LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.392	87	94	107	rBV	264141	280194	15.57%	0.647%
2	1.611	140	162	167	rBV6	40780	129526	7.20%	0.299%
3	1.649	167	174	190	rVB	191143	257629	14.32%	0.595%
4	2.257	352	363	380	rBV	414496	640453	35.60%	1.479%
5	2.694	485	499	501	rVV2	51106	75520	4.20%	0.174%
6	2.730	502	510	538	rVV	196386	410802	22.83%	0.949%
7	2.984	574	589	610	rBV	161602	341232	18.97%	0.788%
8	3.874	840	866	881	rVV7	23114	85601	4.76%	0.198%
9	3.981	885	899	914	rVV4	45246	124905	6.94%	0.288%
10	4.080	914	930	946	rVV4	66808	178582	9.93%	0.412%
11	4.173	946	959	1001	rVB2	225614	619327	34.43%	1.430%
12	4.640	1090	1104	1120	rVV	297413	726646	40.39%	1.678%
13	4.723	1123	1130	1159	rVB5	43174	124035	6.89%	0.286%
14	4.977	1194	1209	1224	rBV2	276289	643501	35.77%	1.486%
15	5.071	1224	1238	1264	rVB3	157771	414684	23.05%	0.958%
16	5.212	1264	1282	1299	rBV	359759	892990	49.64%	2.062%
17	5.331	1299	1319	1339	rVB2	622724	1799033	100.00%	4.155%
18	5.472	1351	1363	1371	rBV4	142912	317872	17.67%	0.734%
19	5.534	1372	1382	1396	rVV5	251989	676596	37.61%	1.563%
20	5.614	1396	1407	1424	rVB3	155036	365597	20.32%	0.844%
21	5.775	1445	1457	1476	rVB5	34372	76790	4.27%	0.177%
22	5.881	1476	1490	1501	rBV	608726	1210468	67.28%	2.796%
23	5.939	1502	1508	1530	rVB4	96727	284639	15.82%	0.657%
24	6.209	1578	1592	1605	rBV6	92907	220217	12.24%	0.509%
25	6.324	1616	1628	1639	rBV	426890	840929	46.74%	1.942%
26	6.408	1639	1654	1666	rVV	694655	1580155	87.83%	3.649%
27	6.469	1666	1673	1682	rVV	108630	202931	11.28%	0.469%
28	6.527	1682	1691	1702	rVB	124668	228944	12.73%	0.529%
29	6.636	1714	1725	1739	rVB2	104129	196727	10.94%	0.454%
30	6.730	1740	1754	1767	rVB4	98742	217640	12.10%	0.503%
31	6.829	1767	1785	1796	rBV5	38468	112373	6.25%	0.260%
32	6.919	1796	1813	1830	rVB5	174953	466797	25.95%	1.078%
33	7.045	1830	1852	1863	rBV5	191553	546344	30.37%	1.262%
34	7.099	1864	1869	1879	rVV3	131369	234044	13.01%	0.541%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Title : VOC Analysis

35	7.177	1882	1893	1899	rVV	401229	746553	41.50%	1.724%
36	7.218	1900	1906	1923	rVV3	441987	870092	48.36%	2.009%
37	7.334	1933	1942	1961	rVV	383343	816728	45.40%	1.886%
38	7.427	1965	1971	1987	rVB6	79207	172351	9.58%	0.398%
39	7.524	1987	2001	2004	rBV5	313063	526235	29.25%	1.215%
40	7.559	2005	2012	2029	rVB	877283	1558656	86.64%	3.600%
41	7.697	2045	2055	2062	rBV5	97843	186853	10.39%	0.432%
42	7.845	2090	2101	2112	rBV2	212267	379766	21.11%	0.877%
43	7.913	2113	2122	2141	rVB3	149680	340223	18.91%	0.786%
44	8.041	2142	2162	2170	rBV3	117613	245541	13.65%	0.567%
45	8.090	2170	2177	2193	rBV4	77690	140412	7.80%	0.324%
46	8.225	2210	2219	2228	rBV3	74337	116341	6.47%	0.269%
47	8.312	2235	2246	2262	rBV2	737592	1548037	86.05%	3.575%
48	8.450	2280	2289	2295	rBV	152902	270747	15.05%	0.625%
49	8.540	2308	2317	2326	rBV2	152840	238523	13.26%	0.551%
50	8.601	2327	2336	2346	rBV	189696	310104	17.24%	0.716%
51	8.752	2370	2383	2393	rBV6	82495	169763	9.44%	0.392%
52	8.810	2393	2401	2407	rBV	117772	194347	10.80%	0.449%
53	8.903	2423	2430	2444	rVB2	344442	594370	33.04%	1.373%
54	9.029	2458	2469	2477	rBV	408918	680499	37.83%	1.572%
55	9.086	2477	2487	2498	rVB	880589	1407870	78.26%	3.251%
56	9.443	2592	2598	2620	rVB10	59753	188707	10.49%	0.436%
57	9.713	2672	2682	2692	rBV5	130201	232043	12.90%	0.536%
58	9.813	2705	2713	2725	rBV2	79856	162452	9.03%	0.375%
59	9.948	2737	2755	2764	rBV3	269722	548796	30.51%	1.267%
60	10.041	2776	2784	2793	rBV4	140450	231983	12.89%	0.536%
61	10.083	2794	2797	2810	rVB3	77975	118123	6.57%	0.273%
62	10.160	2812	2821	2831	rBV	186427	310751	17.27%	0.718%
63	10.318	2858	2870	2877	rBV3	123162	227983	12.67%	0.527%
64	10.427	2894	2904	2916	rBV	611907	1103608	61.34%	2.549%
65	10.485	2917	2922	2931	rVB4	112649	171558	9.54%	0.396%
66	10.585	2943	2953	2963	rBV	458299	708108	39.36%	1.635%
67	10.749	2997	3004	3014	rBV3	72782	114552	6.37%	0.265%
68	10.810	3016	3023	3034	rVB5	51301	90445	5.03%	0.209%
69	10.971	3065	3073	3079	rBV4	74229	120203	6.68%	0.278%
70	11.112	3109	3117	3124	rBV	164499	235842	13.11%	0.545%
71	11.279	3158	3169	3176	rBV5	60395	158790	8.83%	0.367%

LSC Area Percent Report

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Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Title : VOC Analysis

72	11.324	3177	3183	3193	rVB3	103346	183654	10.21%	0.424%
73	11.392	3195	3204	3211	rBV4	90996	151200	8.40%	0.349%
74	11.479	3222	3231	3242	rBV	890566	1403736	78.03%	3.242%
75	11.771	3310	3322	3338	rBV3	360362	777583	43.22%	1.796%
76	11.855	3338	3348	3367	rVB2	924833	1764467	98.08%	4.075%
77	12.247	3458	3470	3478	rBV	539966	861628	47.89%	1.990%
78	12.350	3493	3502	3523	rBV3	269080	604203	33.58%	1.395%
79	12.607	3574	3582	3586	rBV4	101938	149105	8.29%	0.344%
80	12.646	3586	3594	3604	rVB2	350929	566836	31.51%	1.309%
81	12.720	3605	3617	3628	rVB2	48916	149517	8.31%	0.345%
82	12.784	3629	3637	3643	rBV3	99190	150753	8.38%	0.348%
83	12.961	3685	3692	3707	rVB	225665	362732	20.16%	0.838%
84	13.118	3725	3741	3750	rBV2	520590	919549	51.11%	2.124%
85	13.234	3770	3777	3783	rBV	71616	94668	5.26%	0.219%
86	13.279	3783	3791	3821	rVB4	188021	465494	25.87%	1.075%
87	13.405	3823	3830	3837	rBV3	75737	106817	5.94%	0.247%
88	13.453	3837	3845	3853	rBV2	116616	174307	9.69%	0.403%
89	13.504	3853	3861	3869	rBV4	176640	270746	15.05%	0.625%
90	13.739	3925	3934	3942	rVV	265384	410397	22.81%	0.948%
91	13.784	3943	3948	3960	rVB8	66465	109986	6.11%	0.254%
92	13.951	3993	4000	4012	rVB9	63074	111300	6.19%	0.257%
93	14.147	4054	4061	4078	rVB2	60519	130162	7.24%	0.301%
94	14.334	4110	4119	4134	rBV7	106072	223261	12.41%	0.516%
95	14.536	4177	4182	4193	rVB5	60309	110788	6.16%	0.256%
96	14.874	4277	4287	4301	rBV	325939	605475	33.66%	1.398%
97	15.060	4336	4345	4358	rVB	156144	263094	14.62%	0.608%
98	15.916	4601	4611	4638	rVB2	76273	174587	9.70%	0.403%
99	16.057	4647	4655	4662	rBV2	81759	134558	7.48%	0.311%
100	16.096	4663	4667	4684	rVB4	60570	107661	5.98%	0.249%

Sum of corrected areas: 43299942

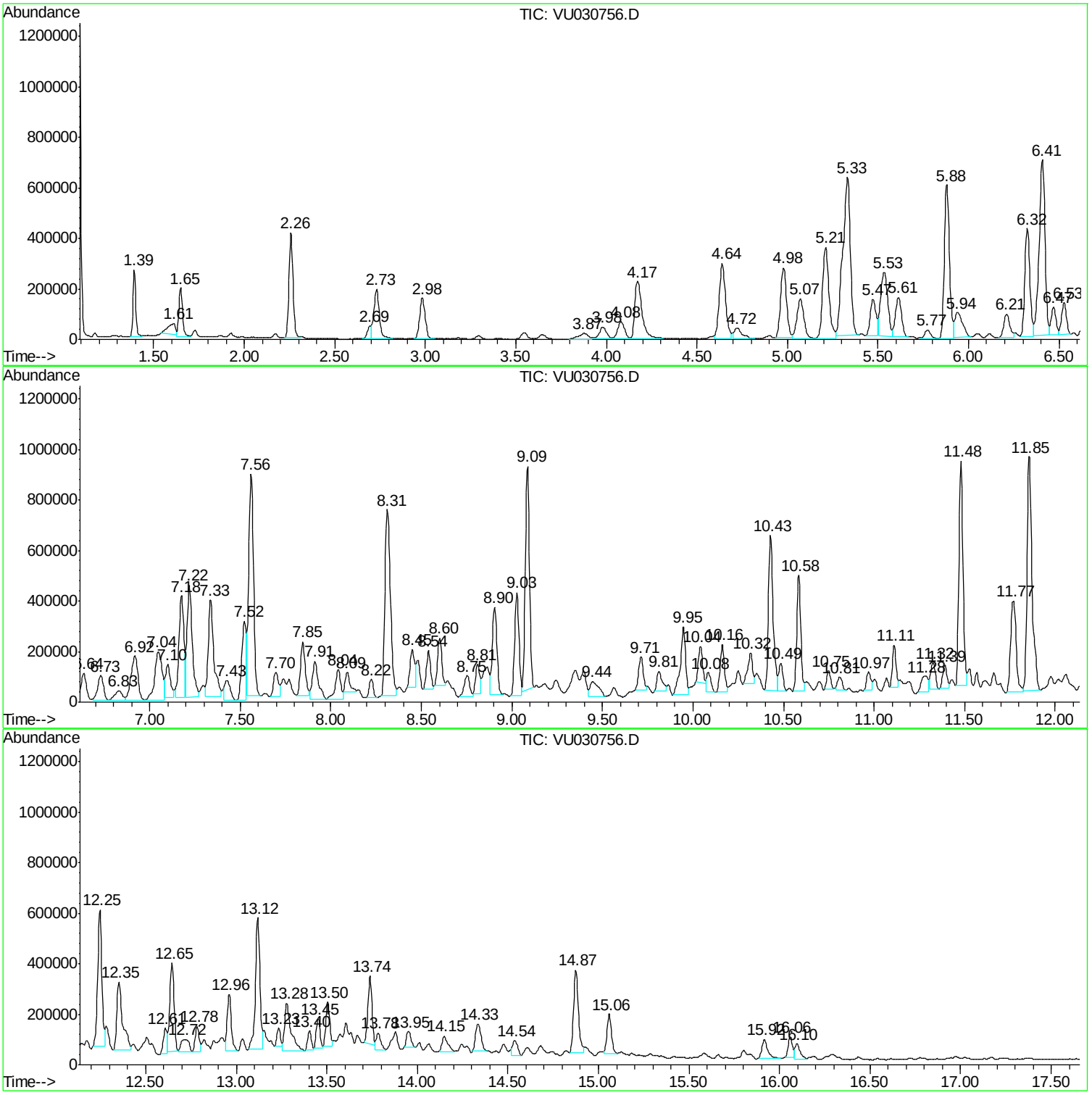
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

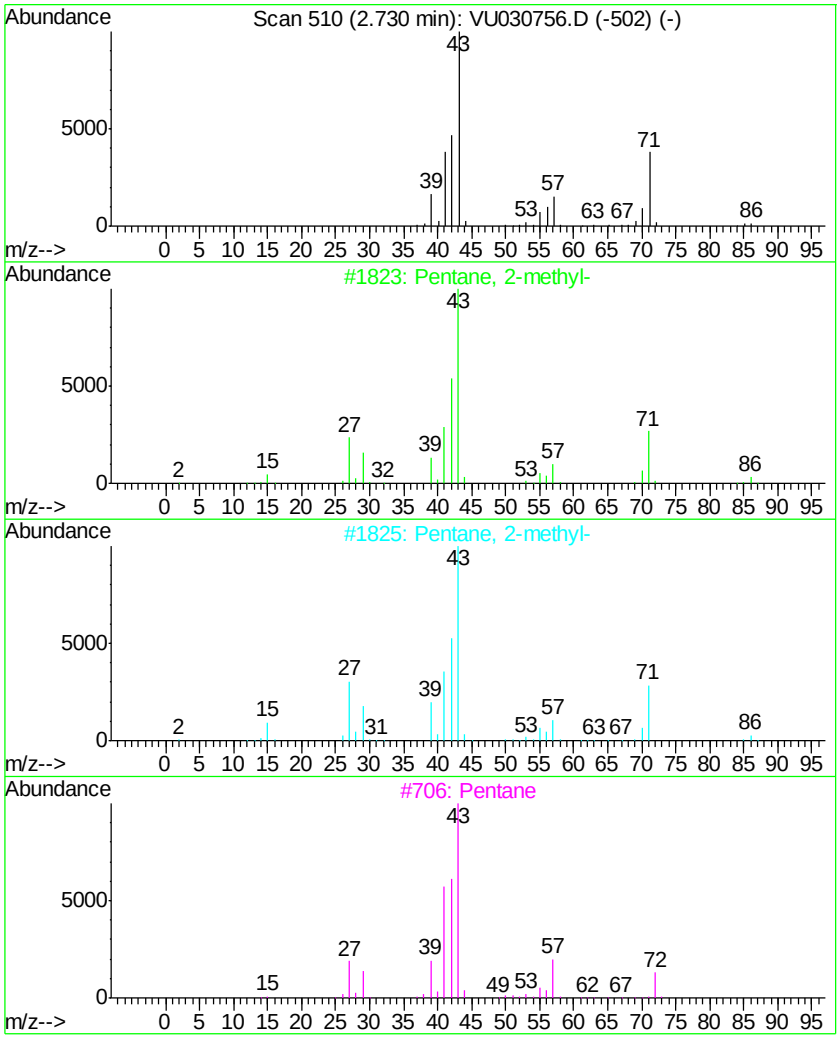
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

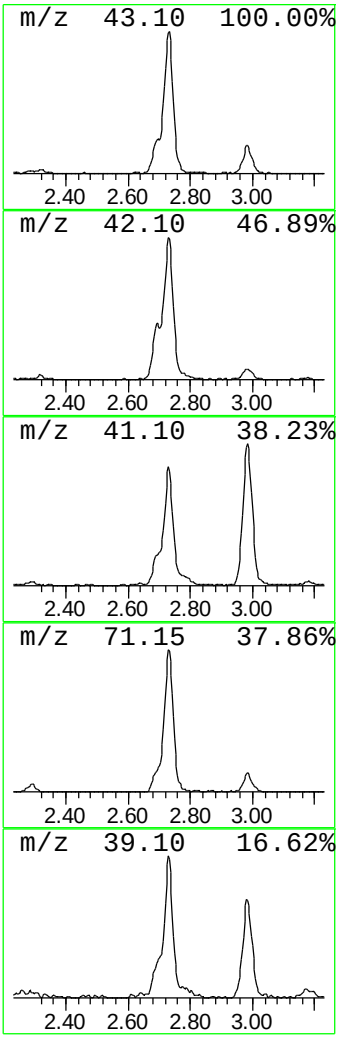
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.73	16.97 ug/L	410802	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	Pentane	72	C5H12	000109-66-0	43
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	40
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

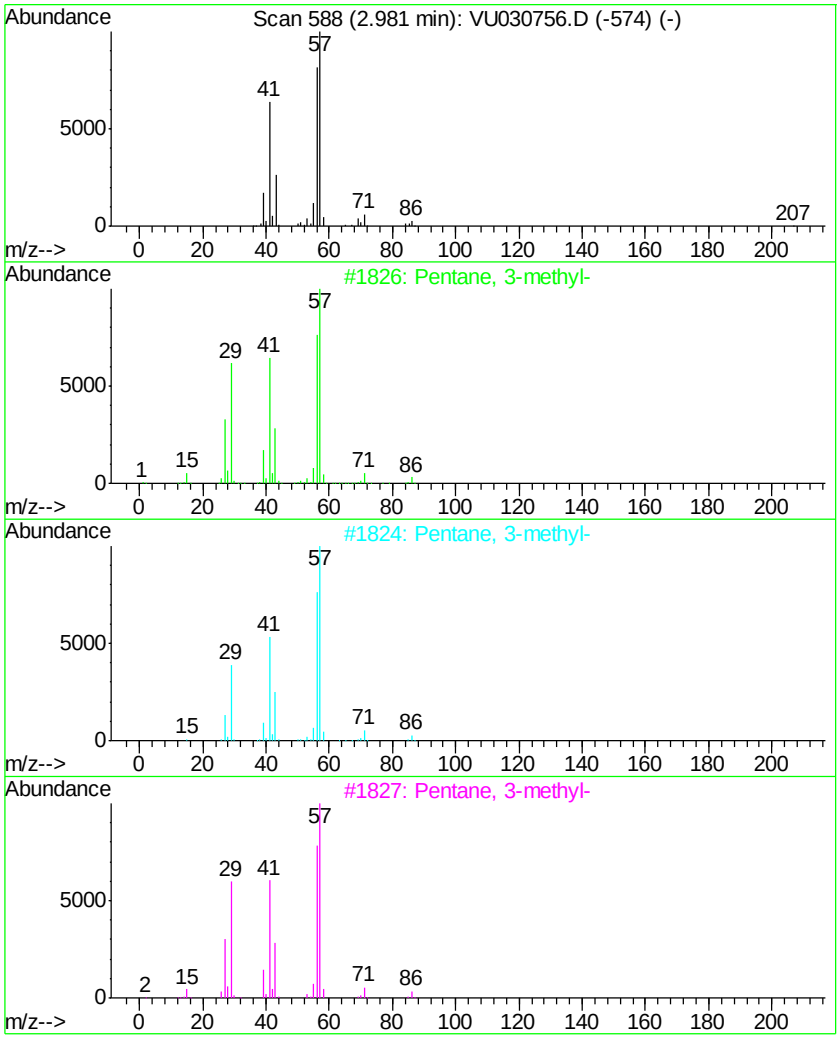
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

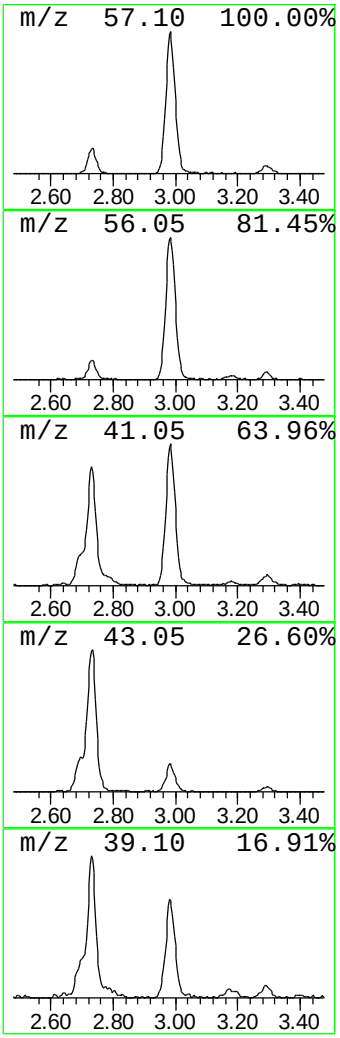
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	14.10 ug/L	341232	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	83
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
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Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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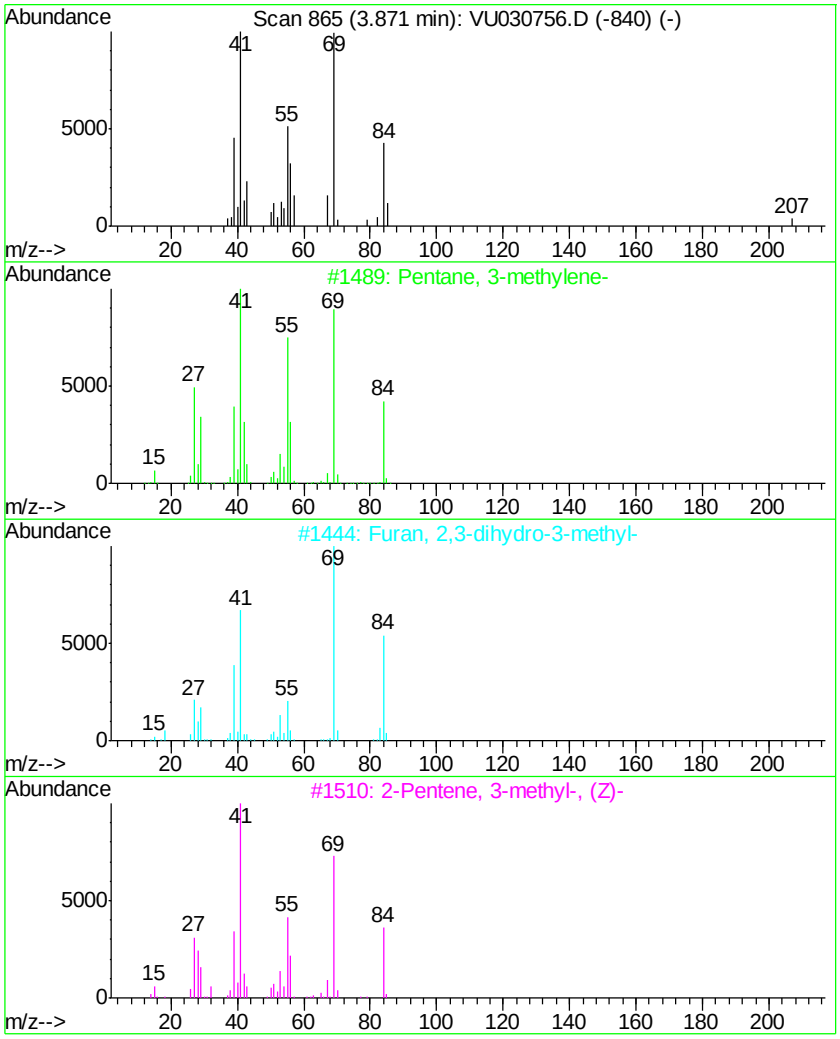
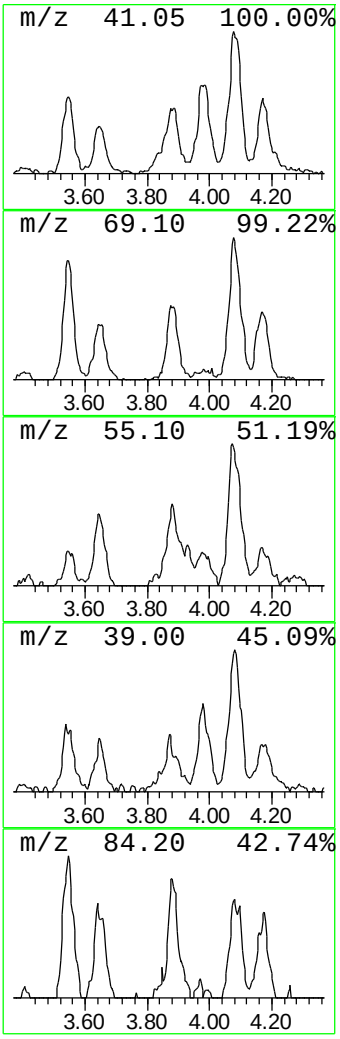
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.87	3.54 ug/L	85601	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methylene-	84	C6H12	000760-21-4	80
2	Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	72
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	70
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	70
5	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

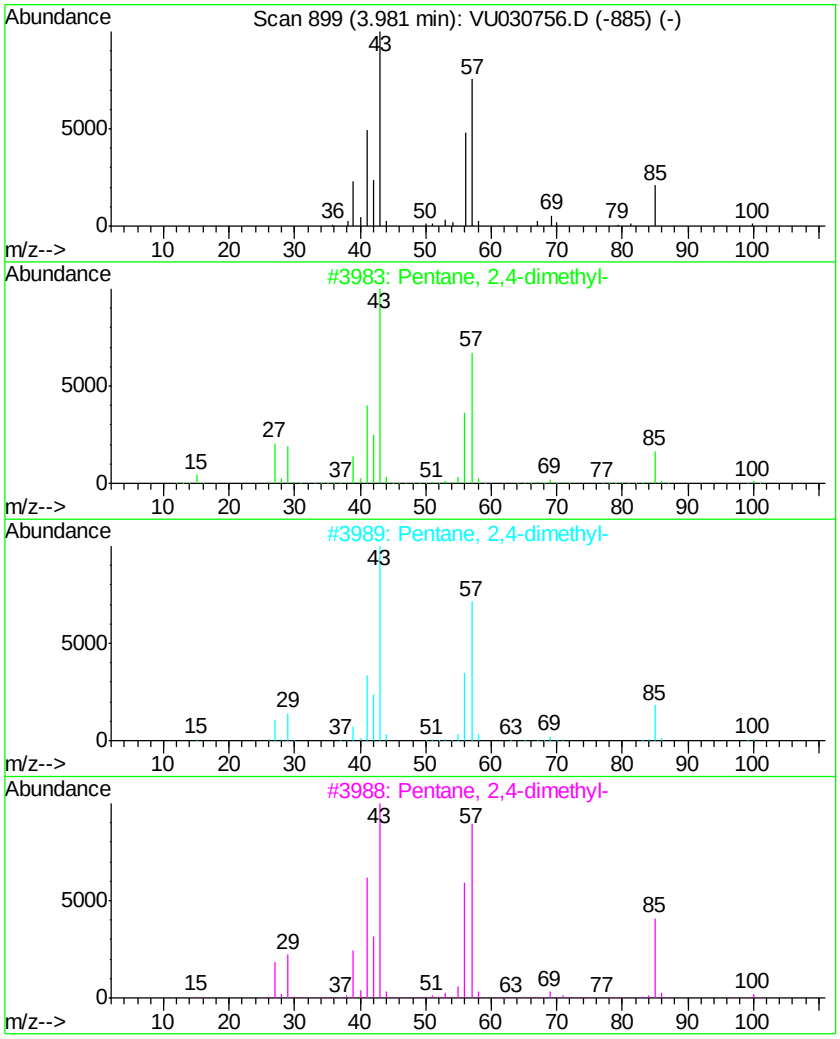
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

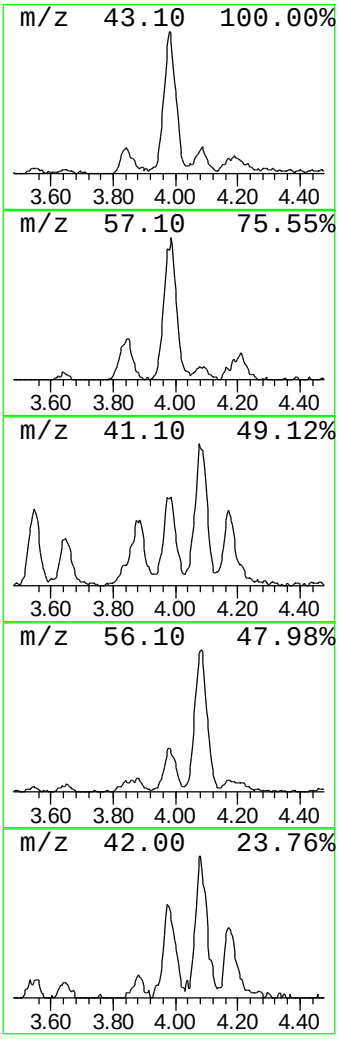
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.98	5.16 ug/L	124905	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	86
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	78
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

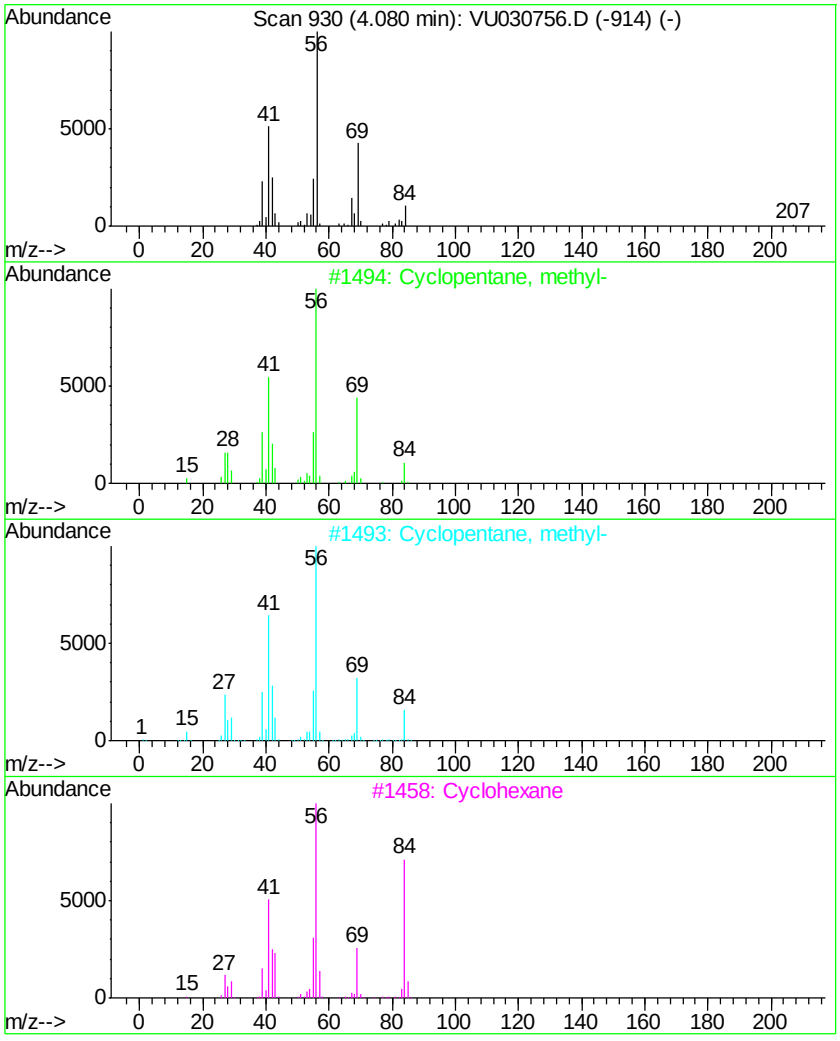
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

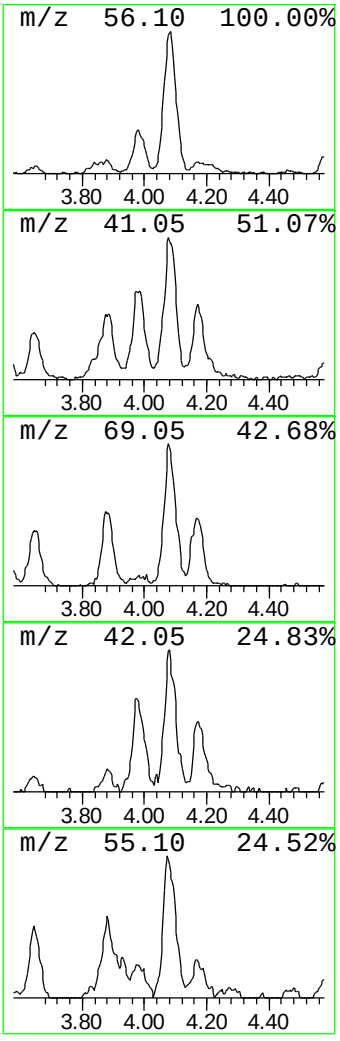
****

Peak Number 5 (DEL) Alkane: Cyclic4.08 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	7.38 ug/L	178582	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclohexane	84	C6H12	000110-82-7	78
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

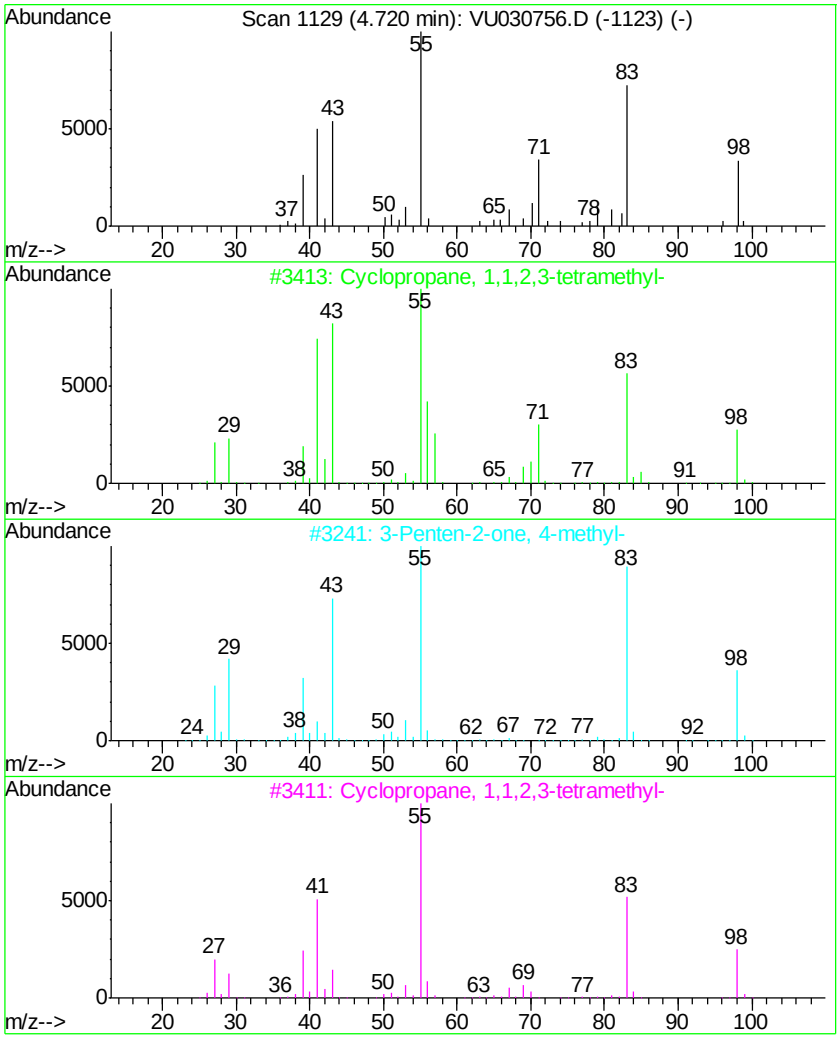
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

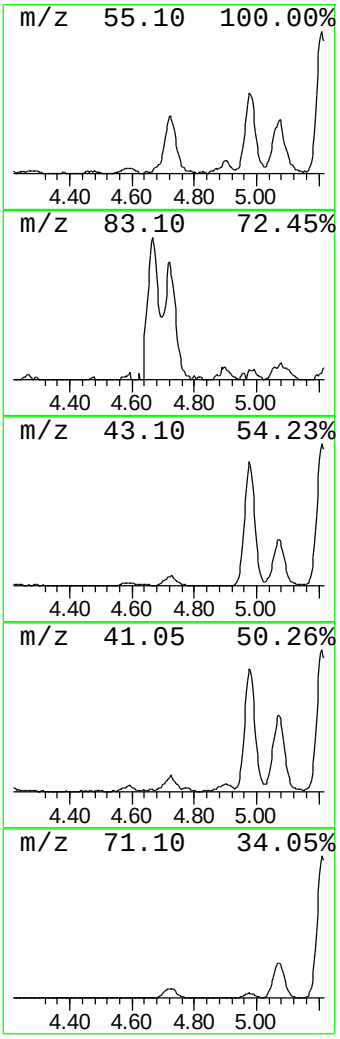
****

Peak Number 6 (DEL) Alkane: Cyclic4.72 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	5.12 ug/L	124035	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	64
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	49
3	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	46
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	46
5	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	43





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Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

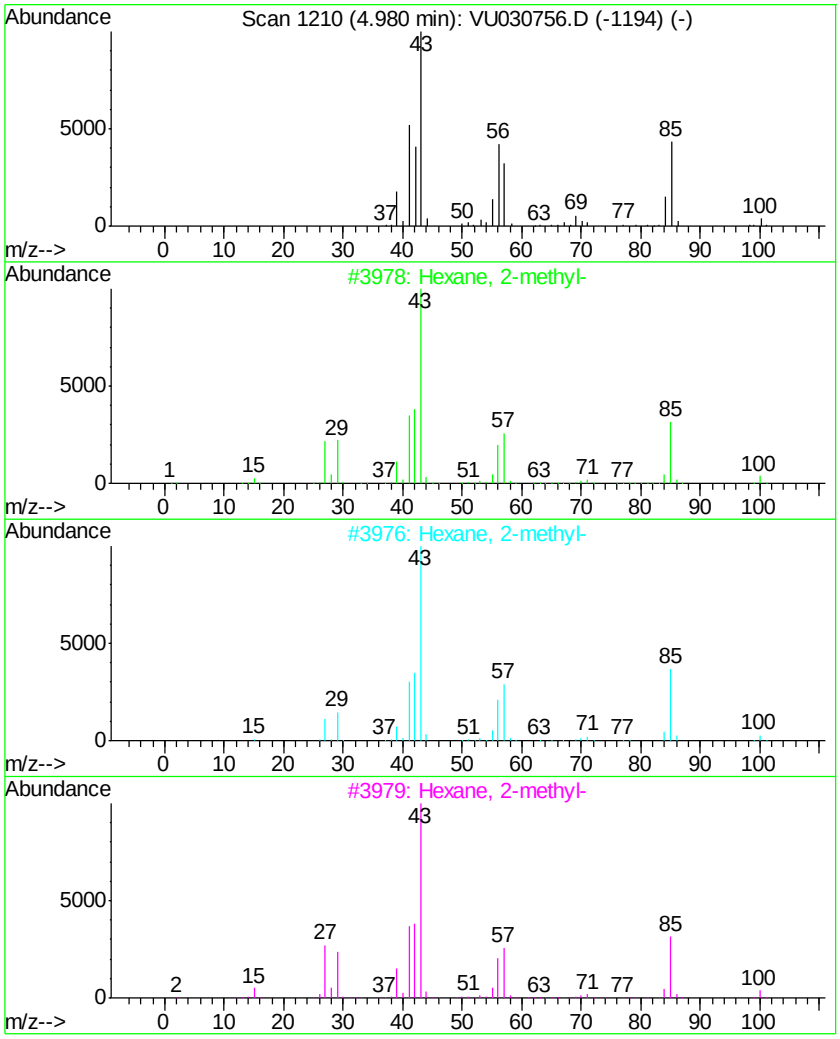
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

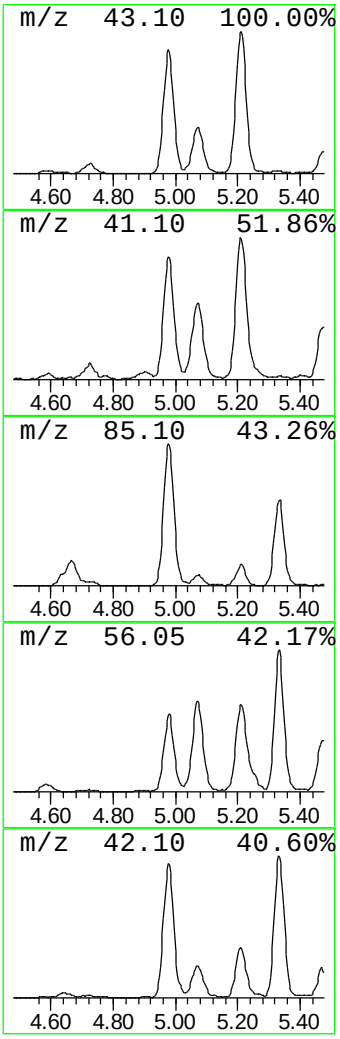
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	26.58 ug/L	643501	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	74
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	72
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	72
4	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	59
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	52





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Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

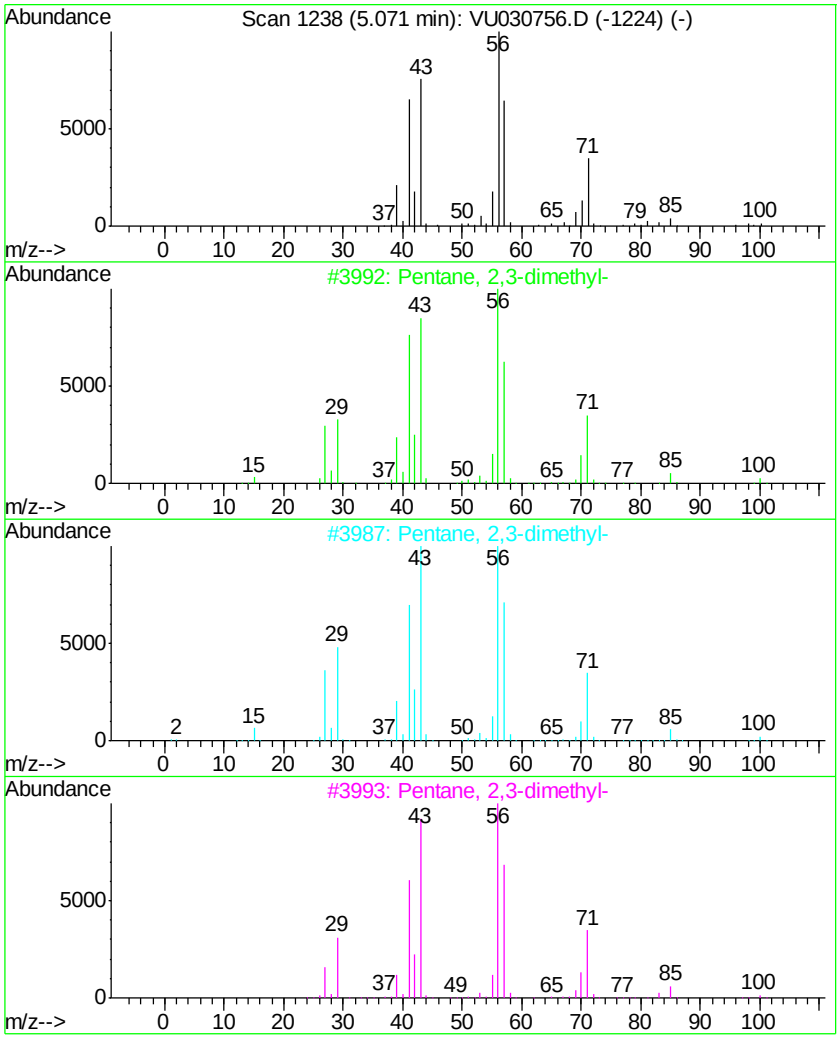
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

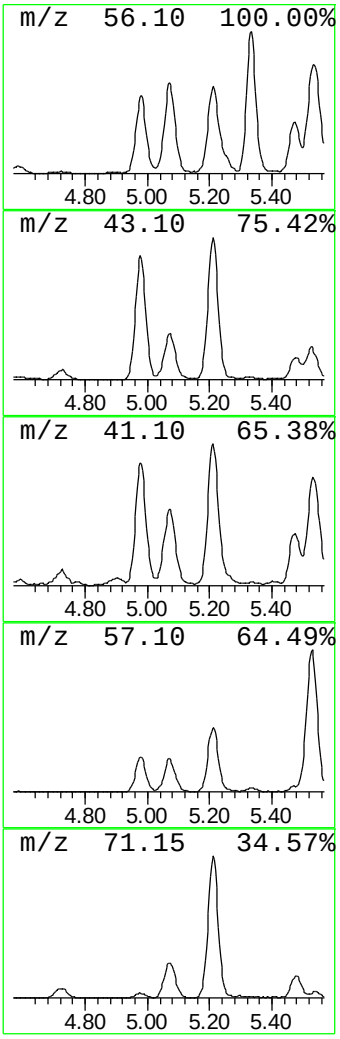
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	17.13 ug/L	414684	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	58
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	58
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	58
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	53





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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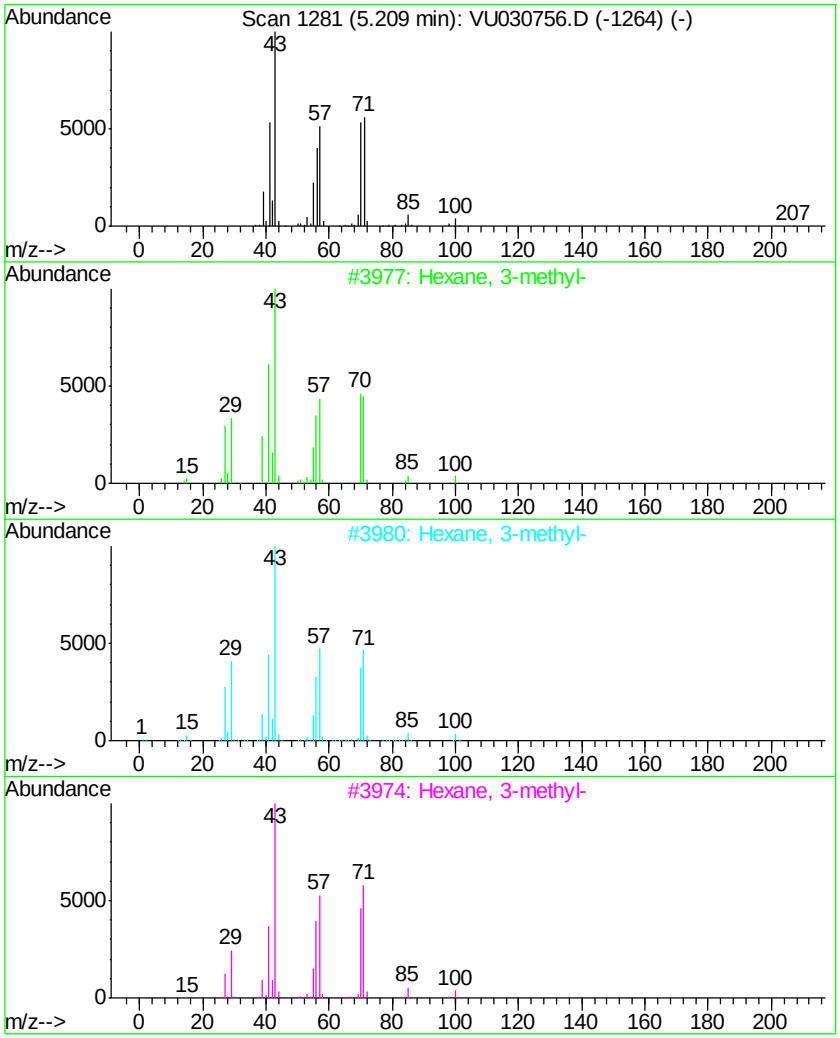
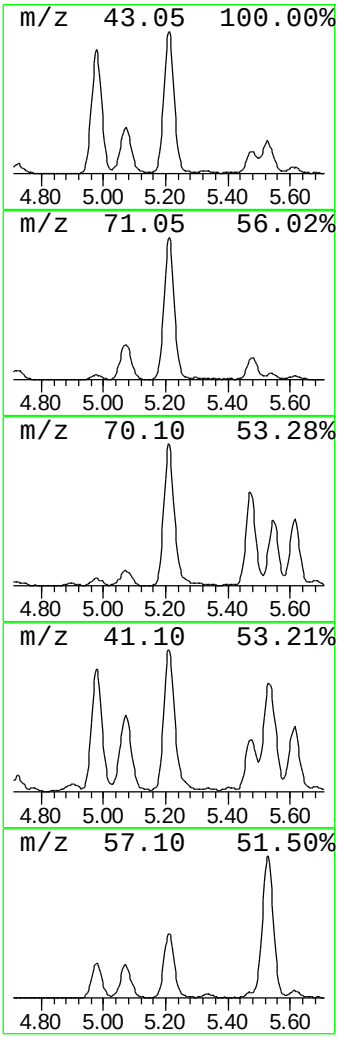
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	36.89 ug/L	892990	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4	Heptane	100	C7H16	000142-82-5	59
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	59





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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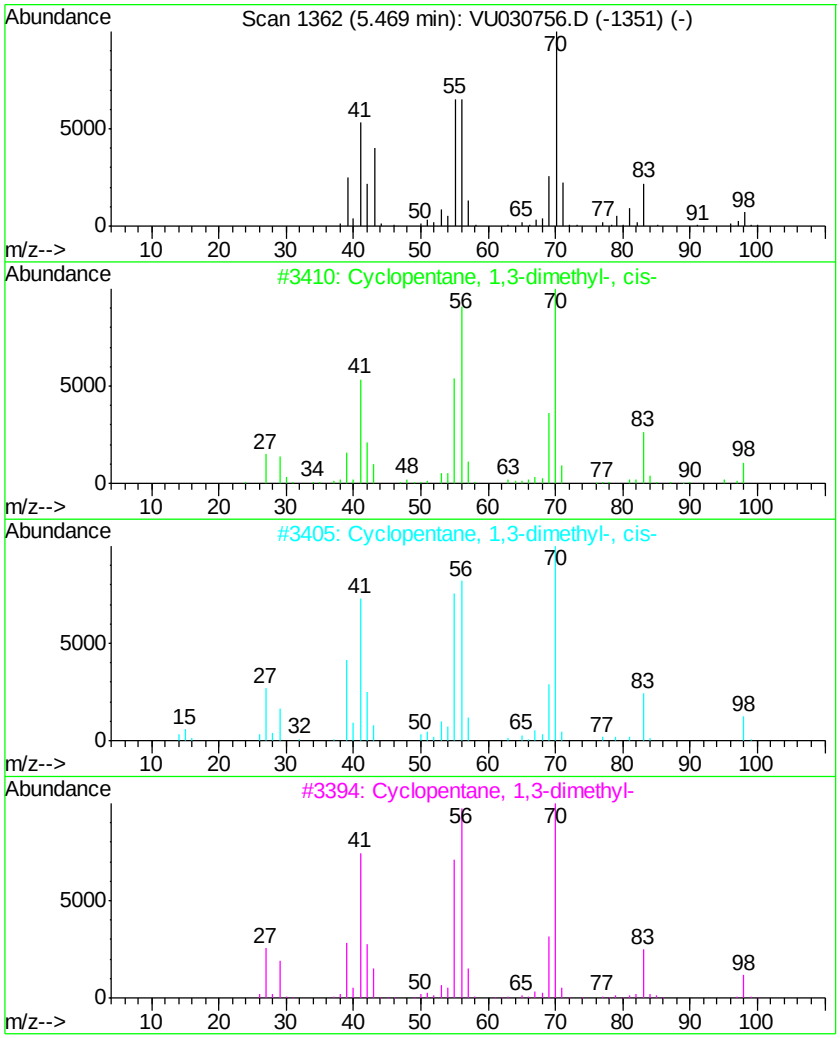
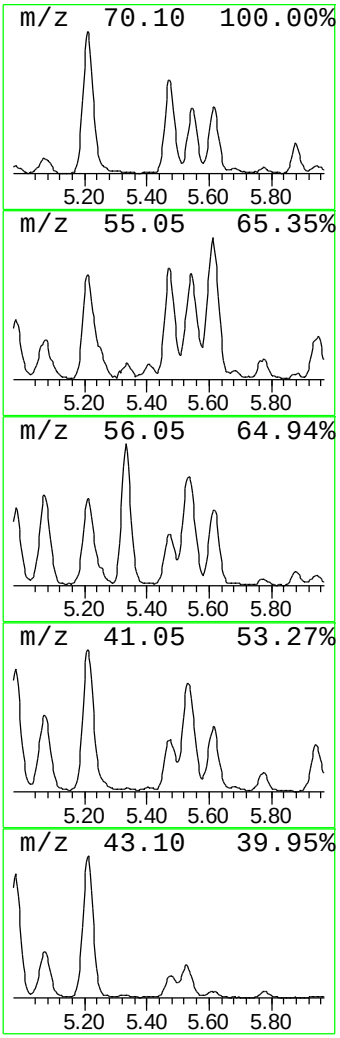
Peak Number 10 (DEL) Alkane: Cyclic5.47 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	13.13 ug/L	317872	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	70
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	70
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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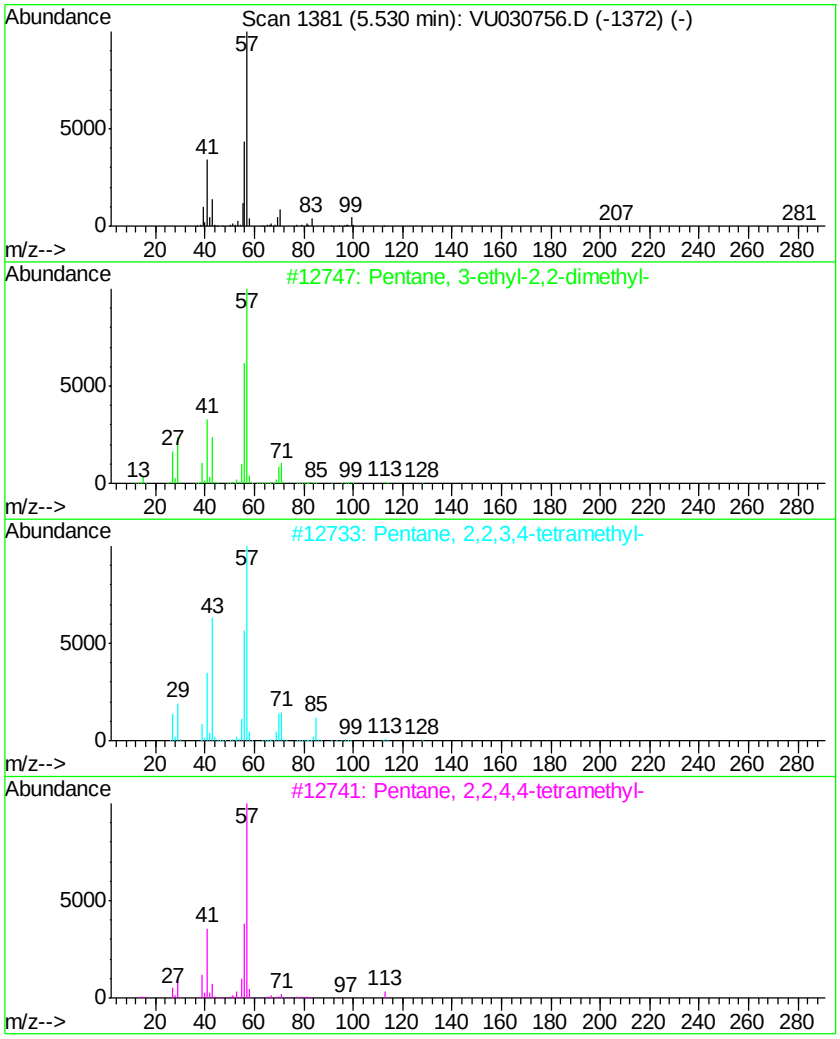
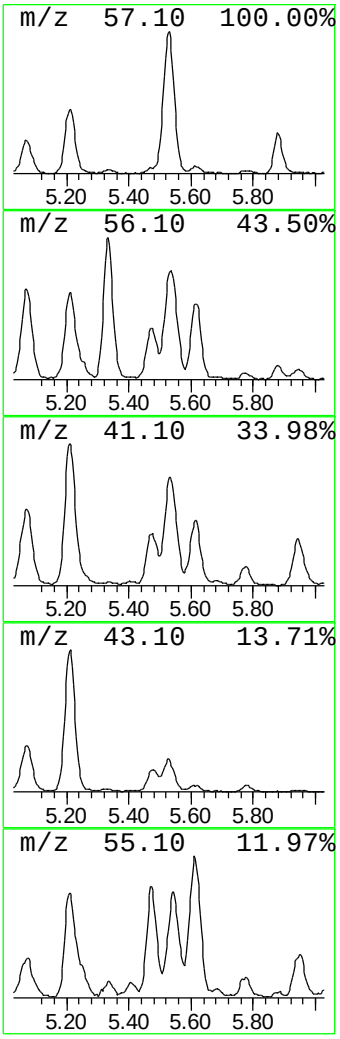
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	27.95 ug/L	676596	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	50
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
3	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	40
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	39
5	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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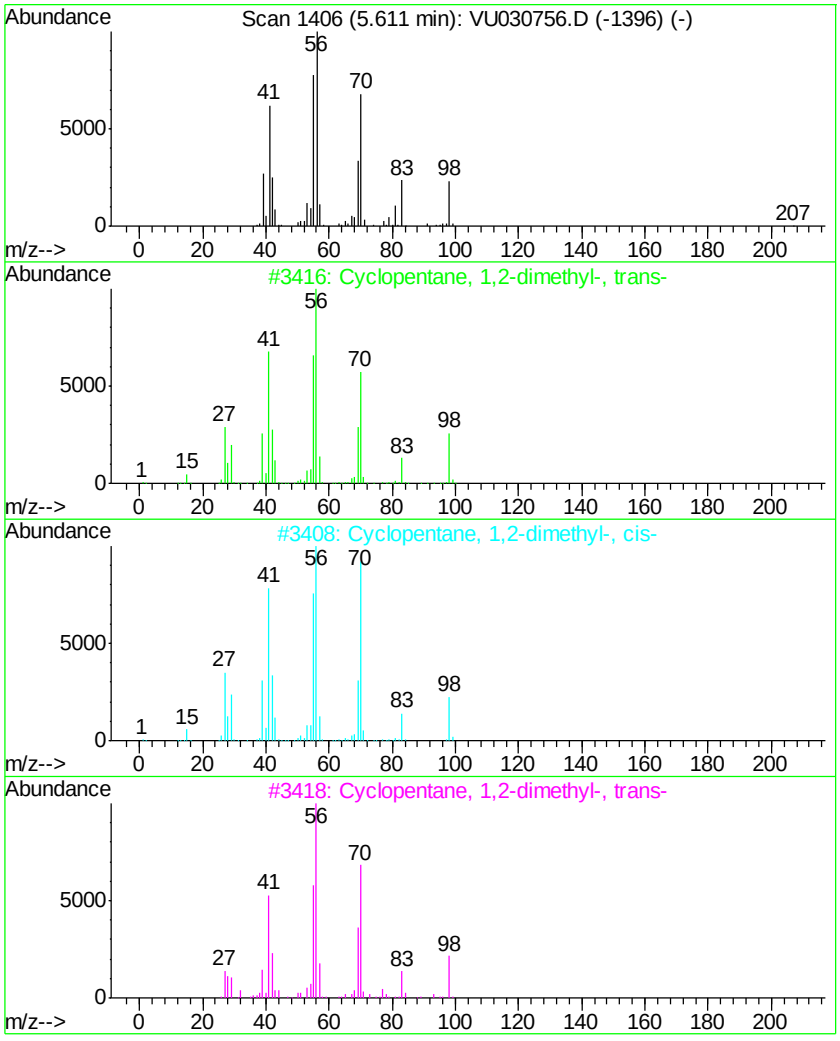
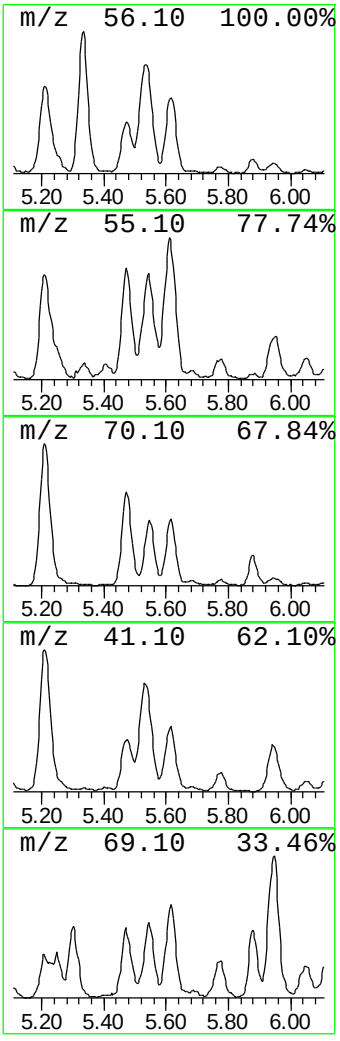
Peak Number 12 (DEL) Alkane: Cyclic5.61 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	15.10 ug/L	365597	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
4	Isopropylcyclobutane	98	C7H14	000872-56-0	87
5	1-Heptene	98	C7H14	000592-76-7	87





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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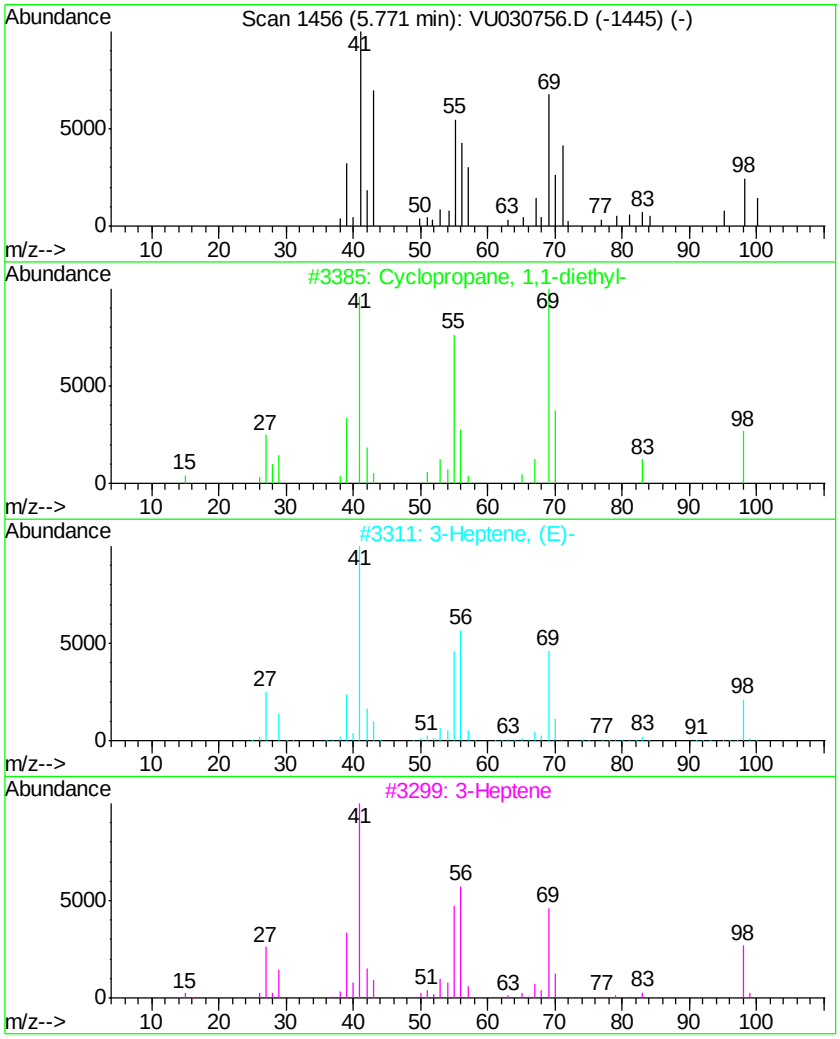
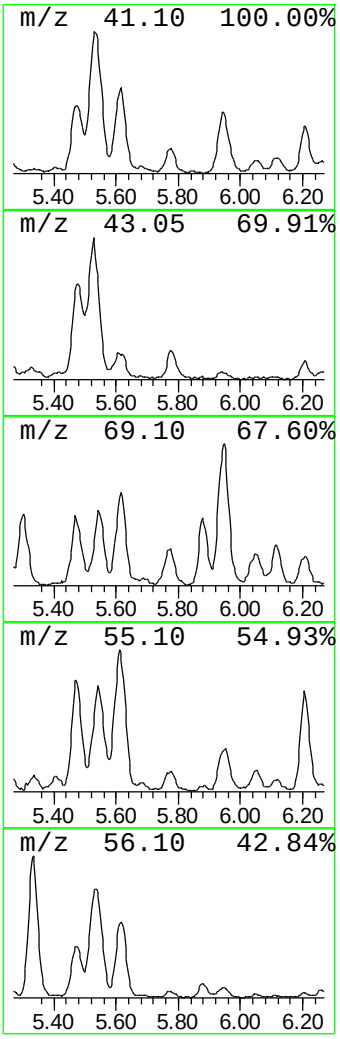
Peak Number 13 (DEL) Alkane: Cyclic5.77 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	3.17 ug/L	76790	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	41
2	3-Heptene, (E)-	98	C7H14	014686-14-7	35
3	3-Heptene	98	C7H14	000592-78-9	35
4	3-Methylpenta-1,3-diene-5-ol, (E)-	98	C6H10O	001572-08-3	30
5	Cyclohexanone	98	C6H10O	000108-94-1	25





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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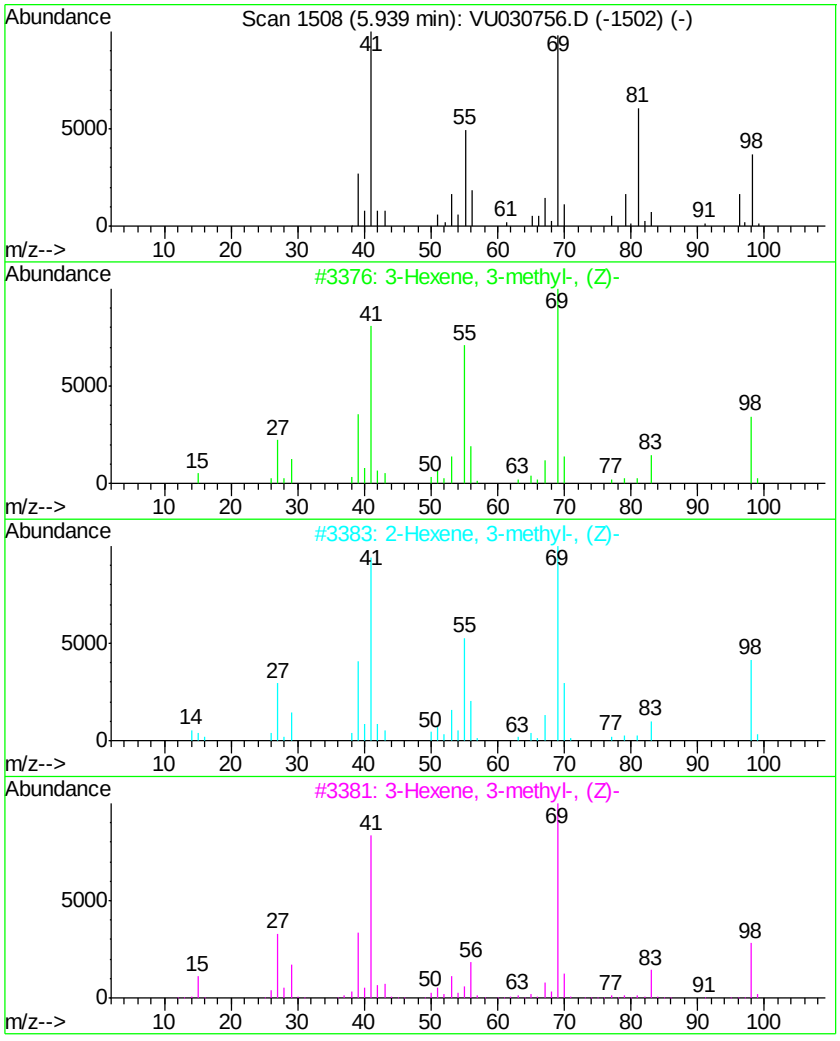
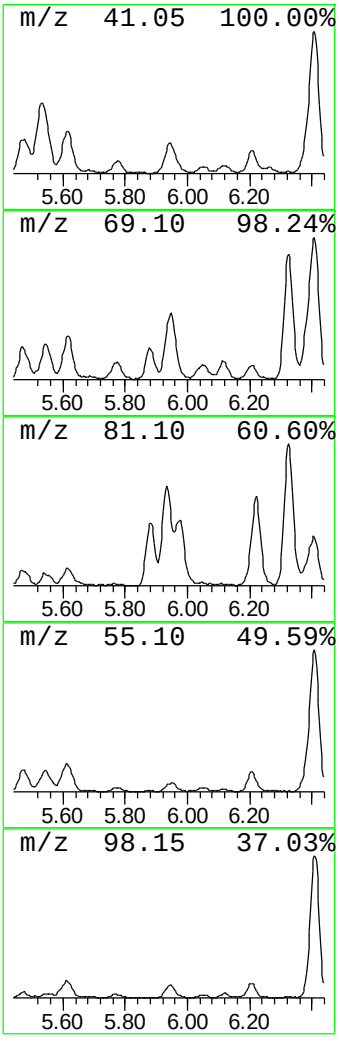
Peak Number 14 (DEL) Alkane: Cyclic5.94 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	11.76 ug/L	284639	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	68
2	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	68
3	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	64
4	3-Hexene, 3-methyl-, (E)-	98	C7H14	003899-36-3	64
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	64





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Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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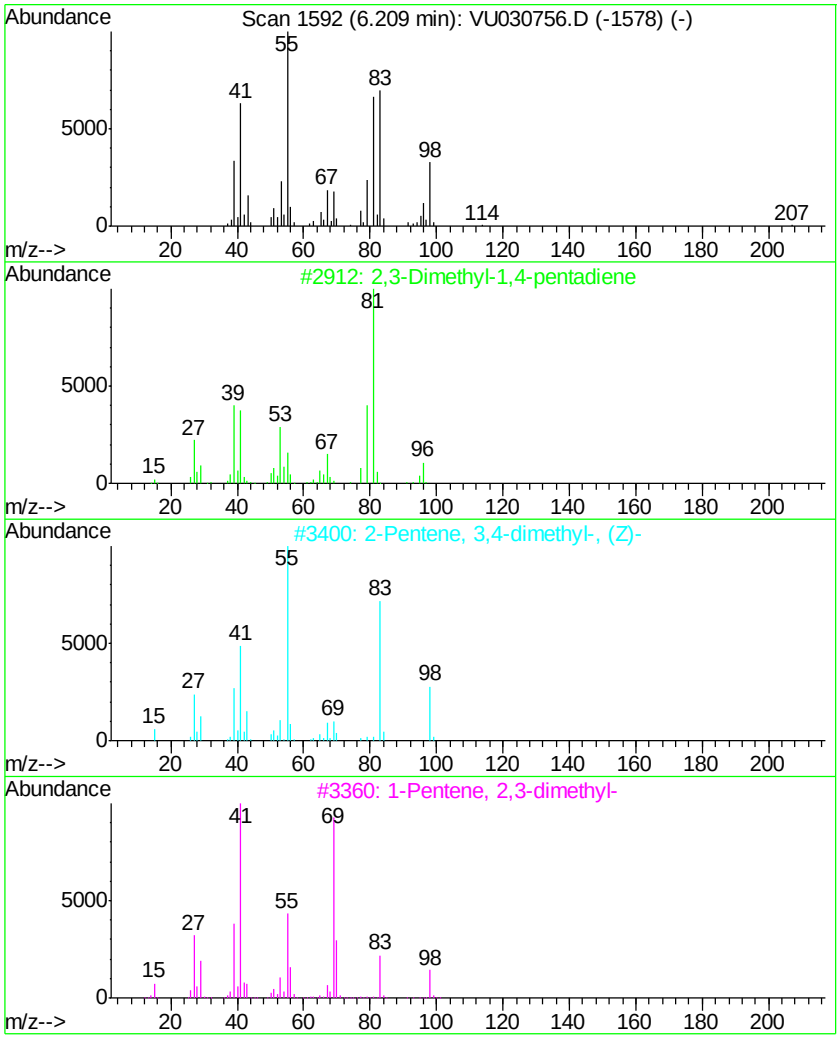
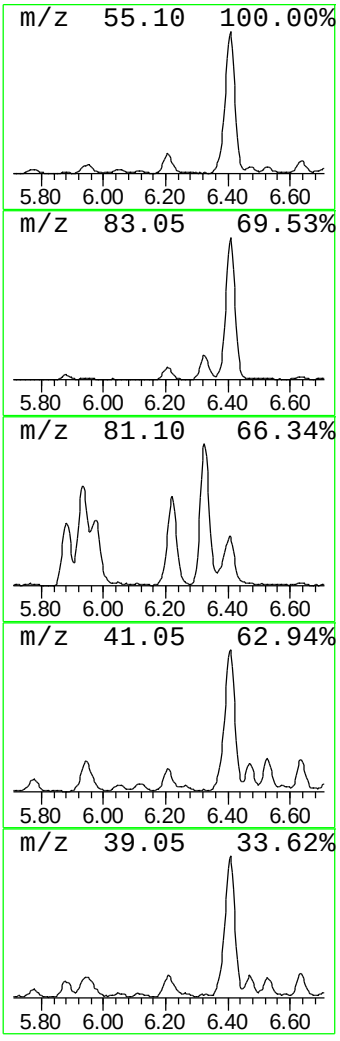
Peak Number 15 2,3-Dimethyl-1,4-pentadiene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	9.10 ug/L	220217	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyl-1,4-pentadiene	96	C7H12	000758-86-1	80
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	53
3	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	50
4	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	49
5	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	49





Library Search Compound Report

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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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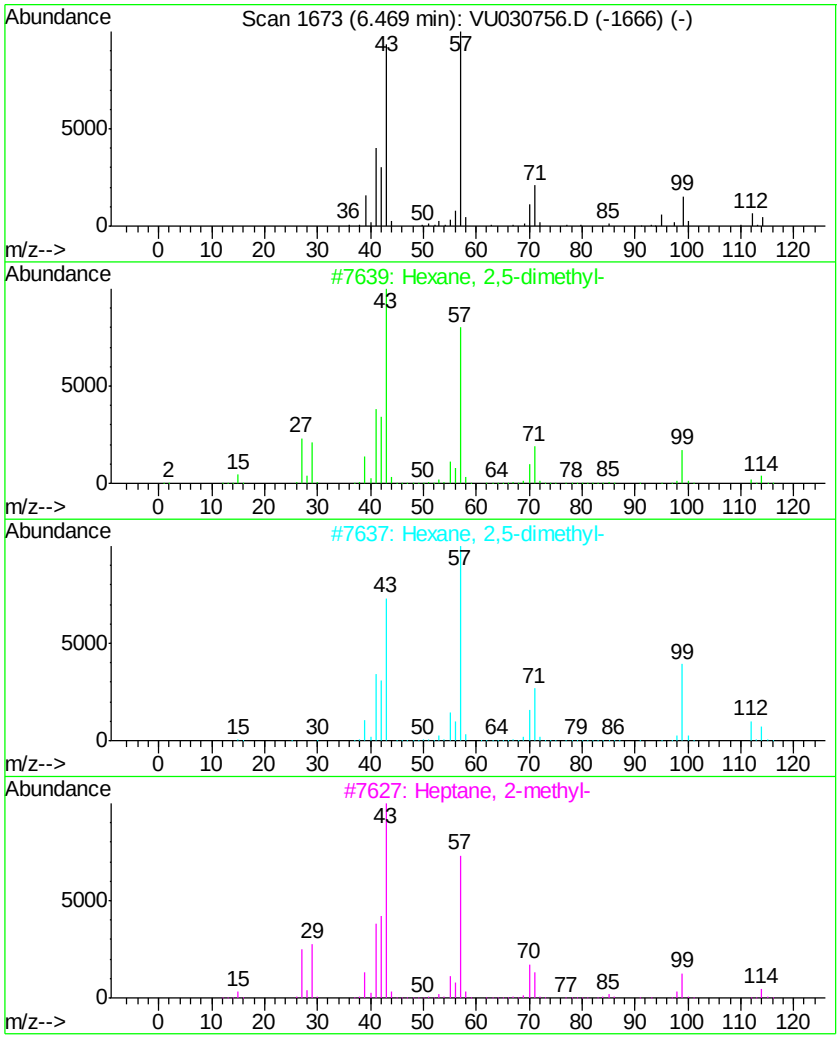
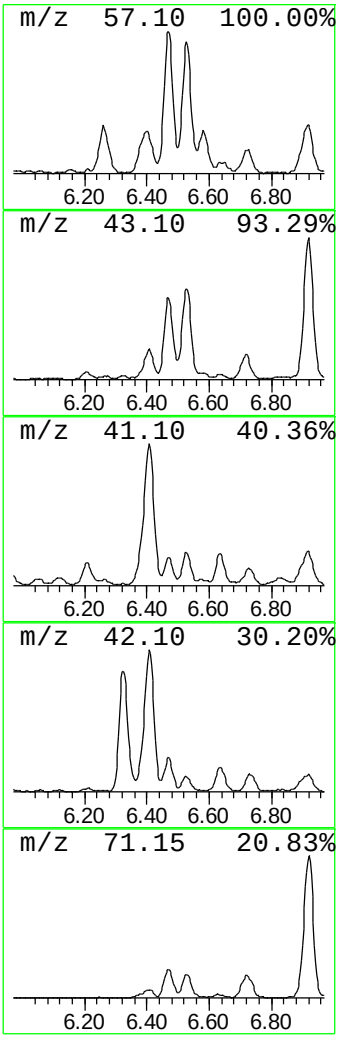
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	8.38 ug/L	202931	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	90
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	52
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	49
5	2-Isopropyl-4H-oxazol-5-one	127	C6H9NO2	1000190-01-9	47





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

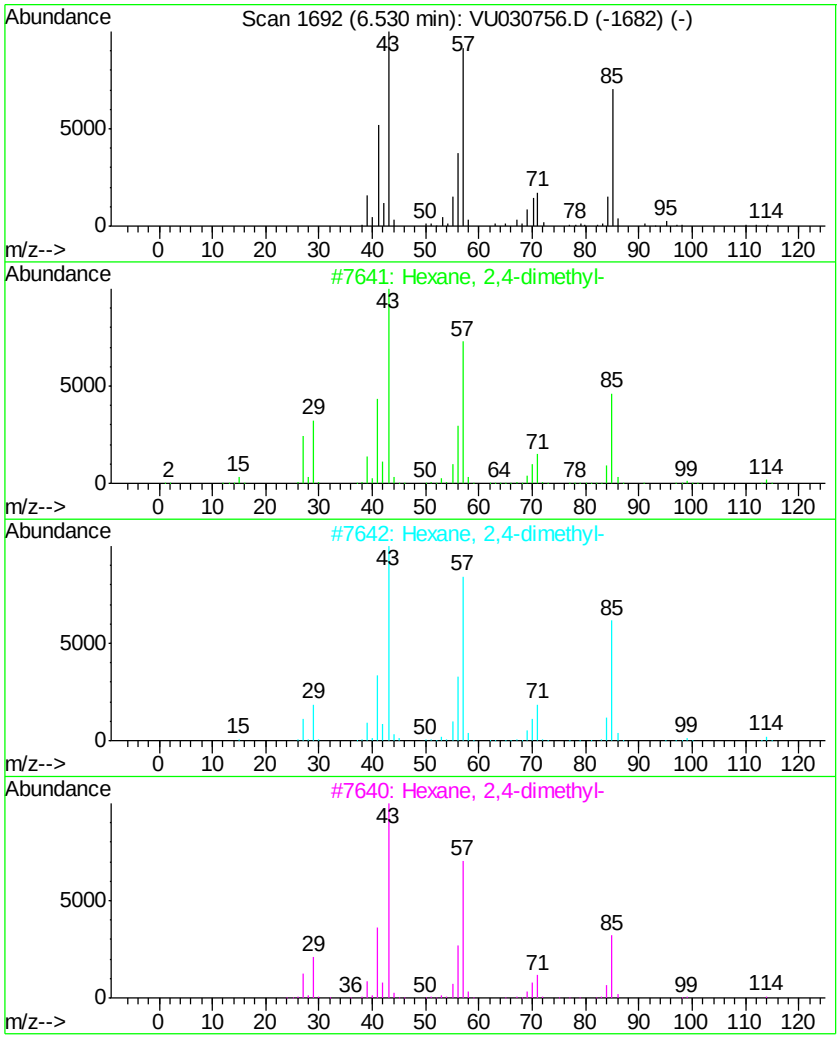
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

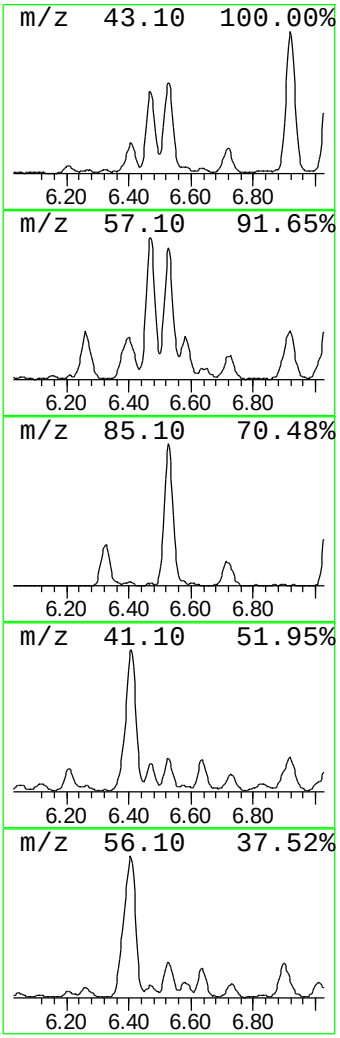
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	9.46 ug/L	228944	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	72
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

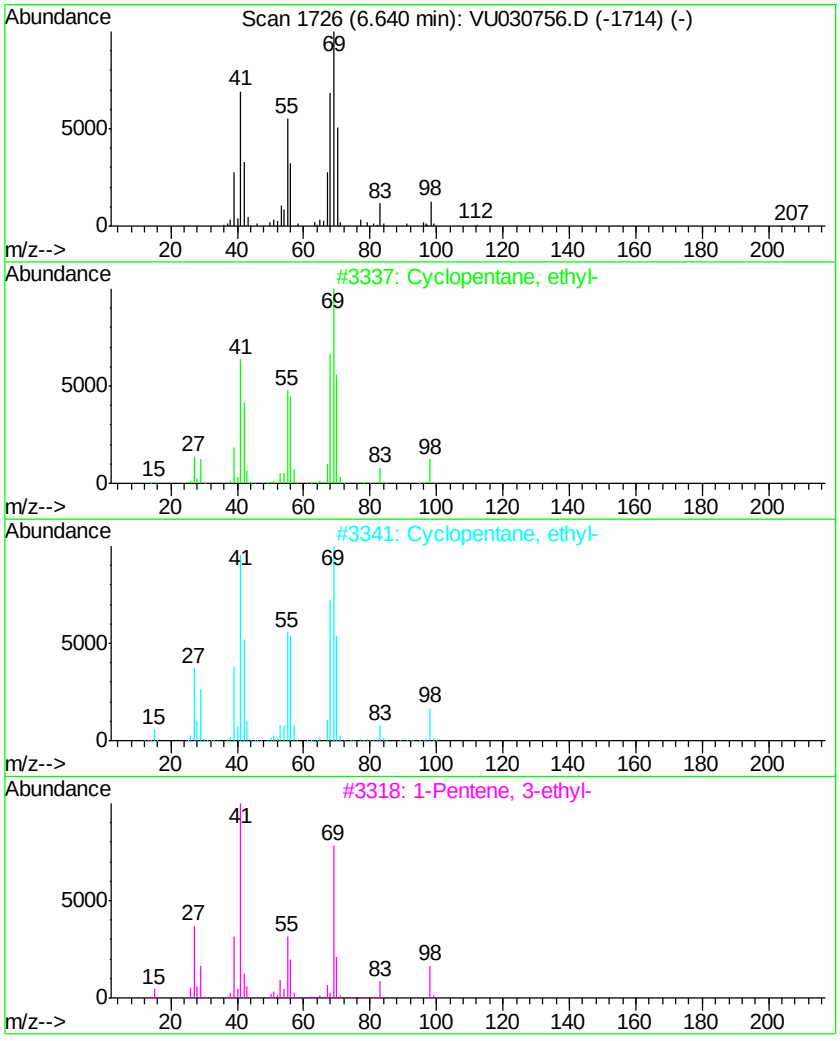
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

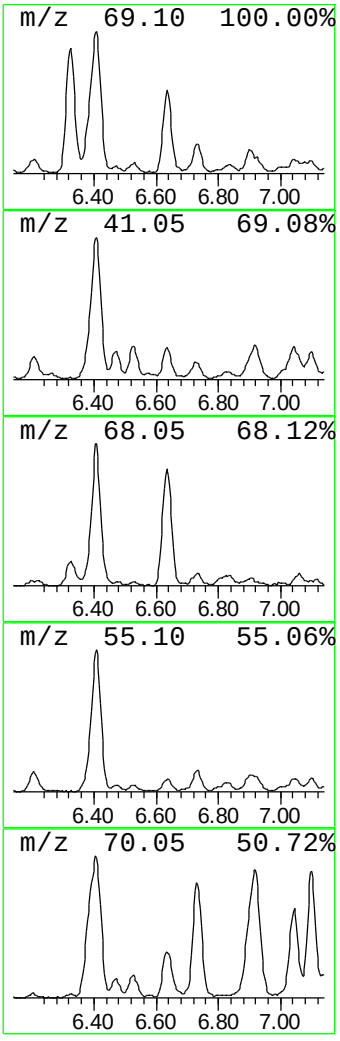
****

Peak Number 18 (DEL) Alkane: Cyclic6.64 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	8.13 ug/L	196727	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	86
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	60
3	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	49
4	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	47
5	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	47





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Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

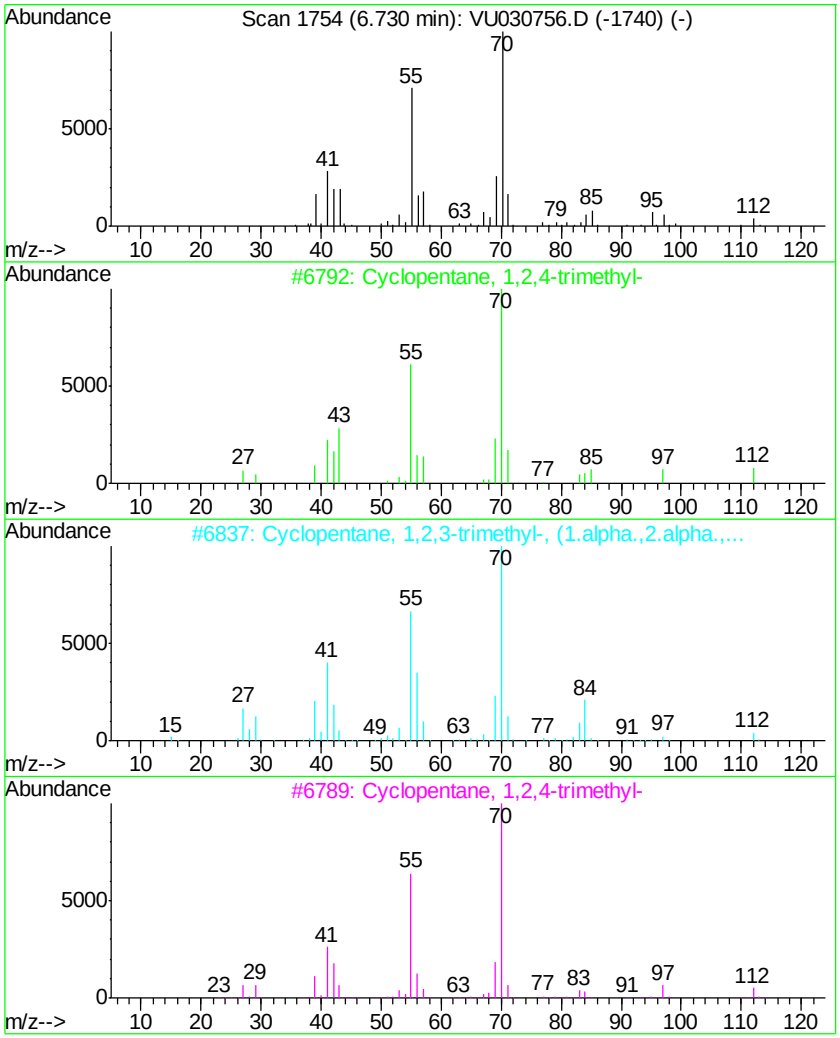
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

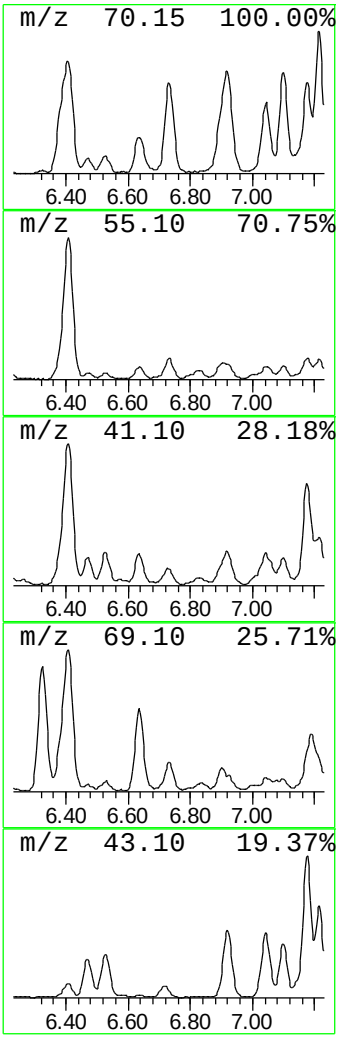
****

Peak Number 19 (DEL) Alkane: Cyclic6.73 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	8.99 ug/L	217640	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
4	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	72
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64





Library Search Compound Report

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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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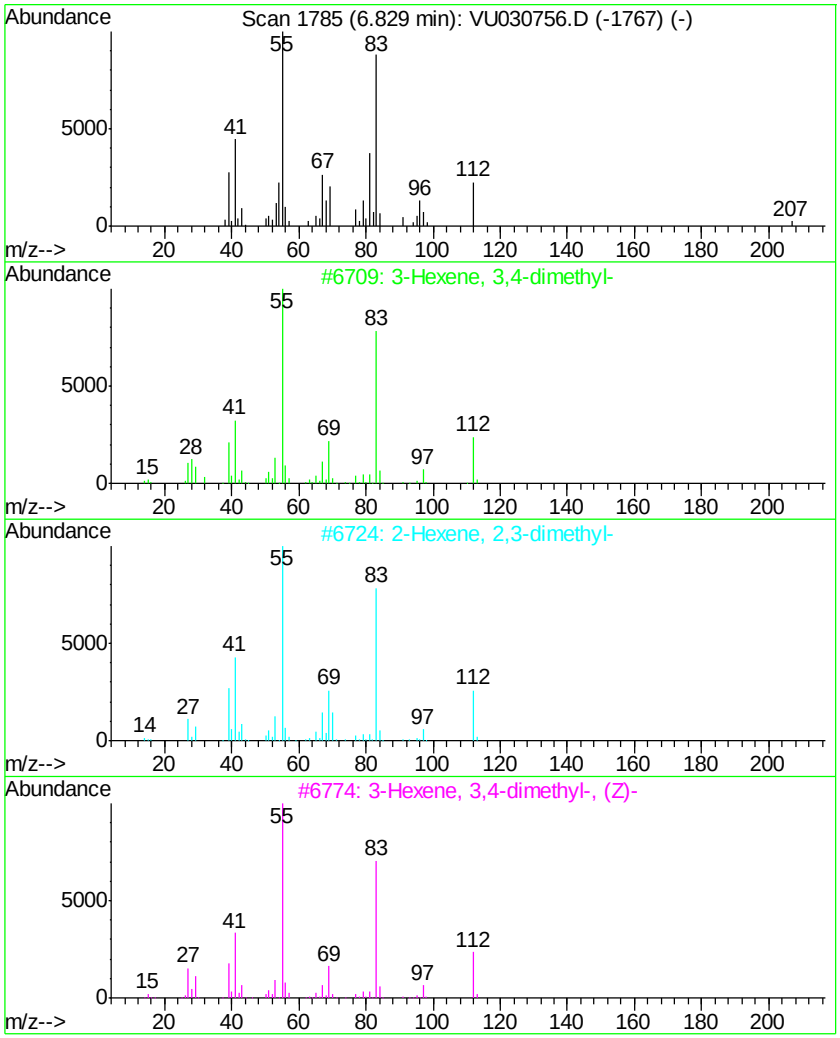
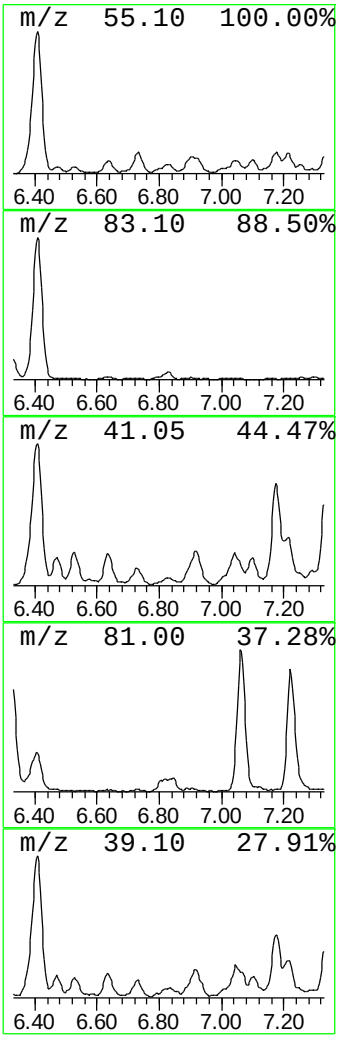
Peak Number 20 (DEL) Alkane: Cyclic6.83 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	4.64 ug/L	112373	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	64
2	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	64
3	3-Hexene, 3,4-dimethyl-, (Z)-	112	C8H16	019550-87-9	62
4	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	62
5	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	58





Library Search Compound Report

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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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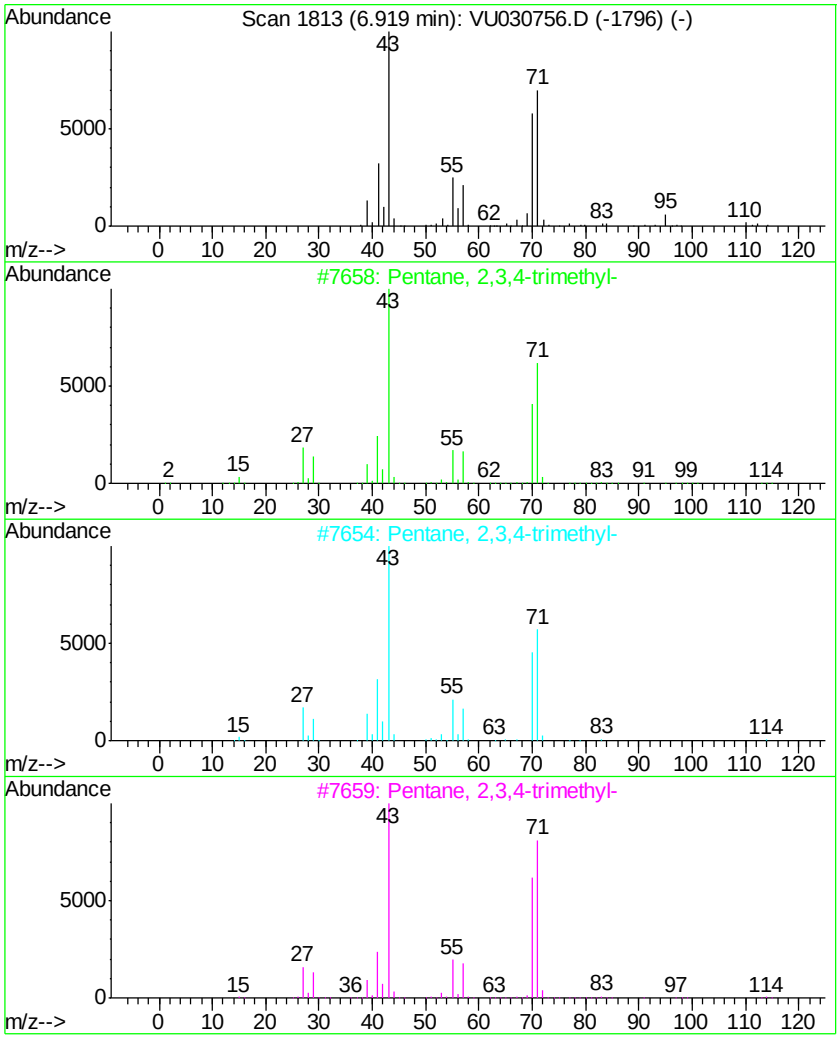
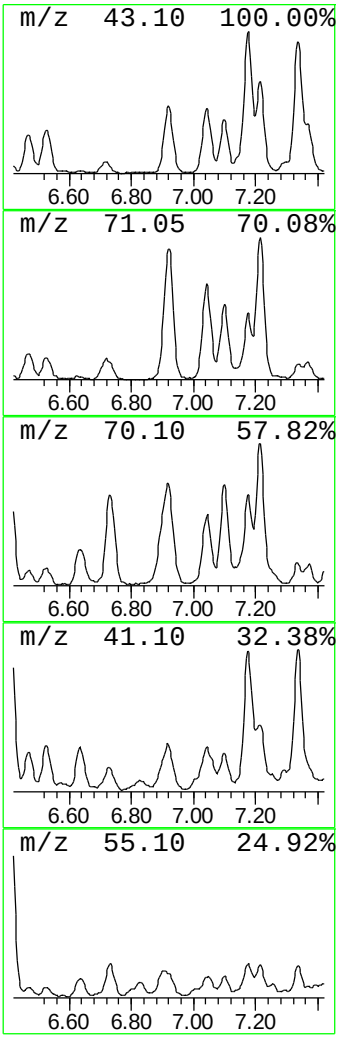
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	19.28 ug/L	466797	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	87
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	87
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	80
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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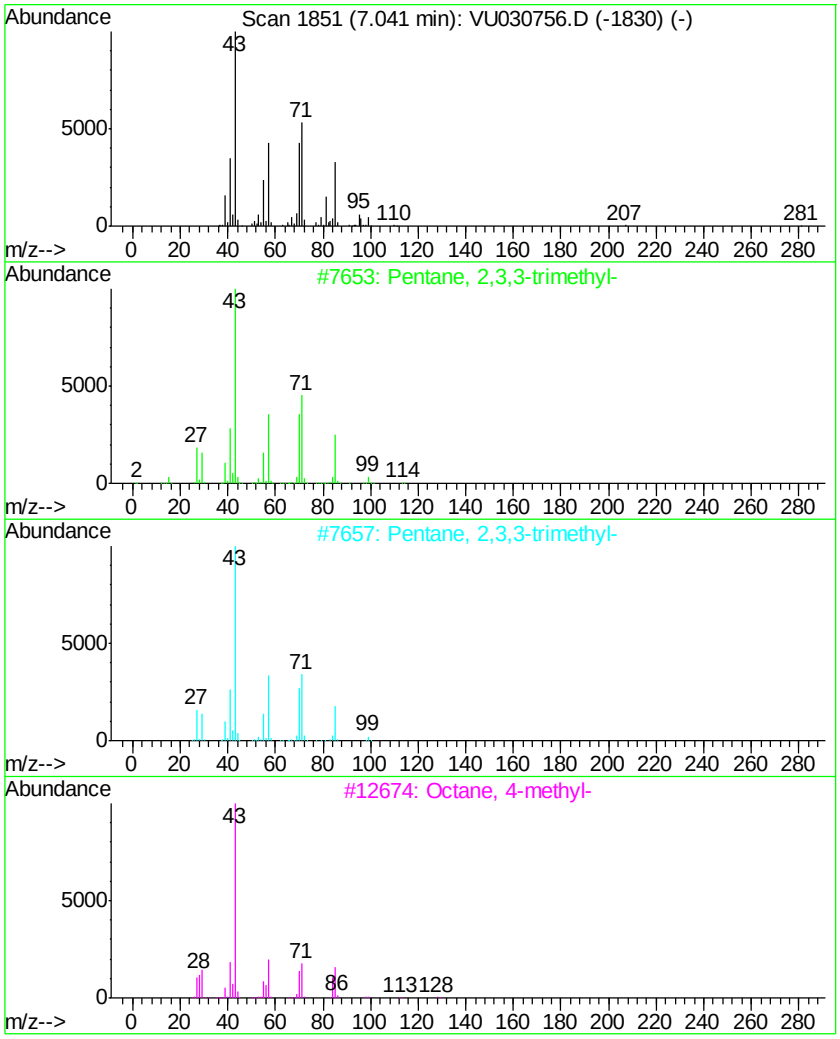
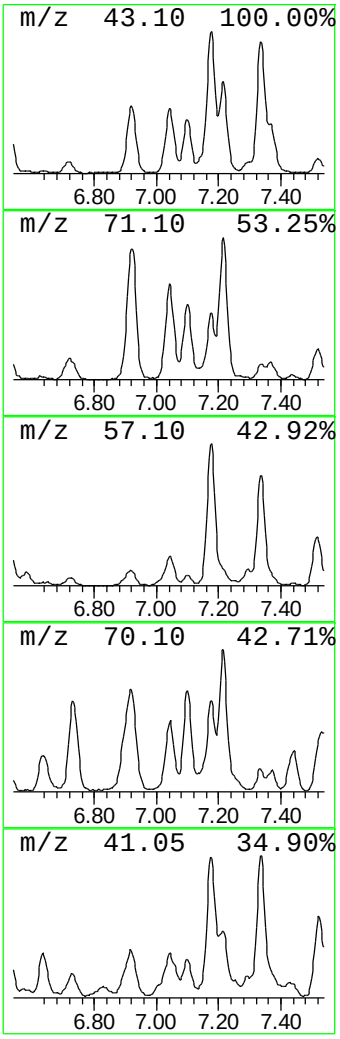
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	22.57 ug/L	546344	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	86
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
3	Octane, 4-methyl-	128	C9H20	002216-34-4	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

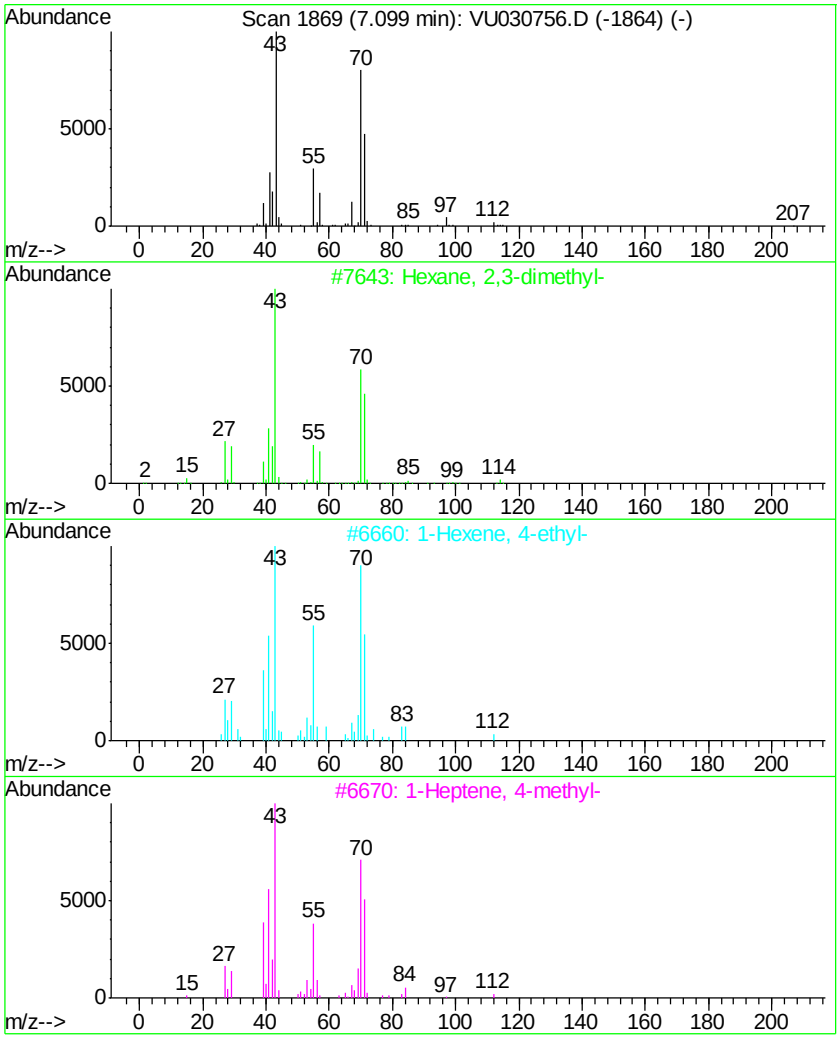
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

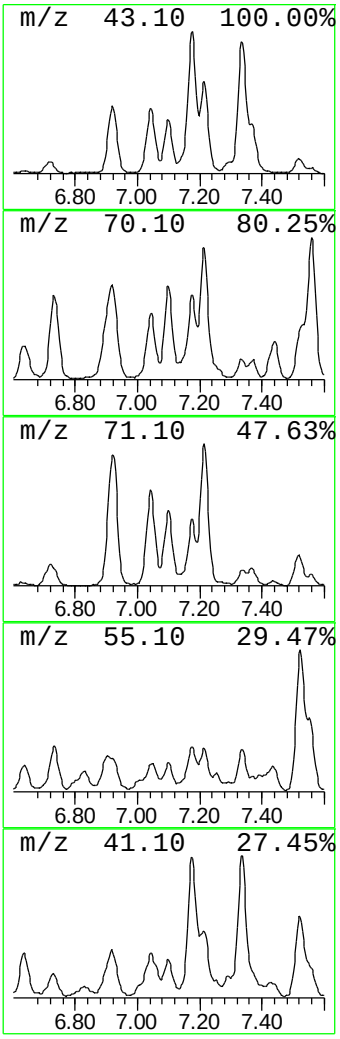
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	9.67 ug/L	234044	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	86
2	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	78
3	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	72
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64
5	Pyrrolidine	71	C4H9N	000123-75-1	64





Library Search Compound Report

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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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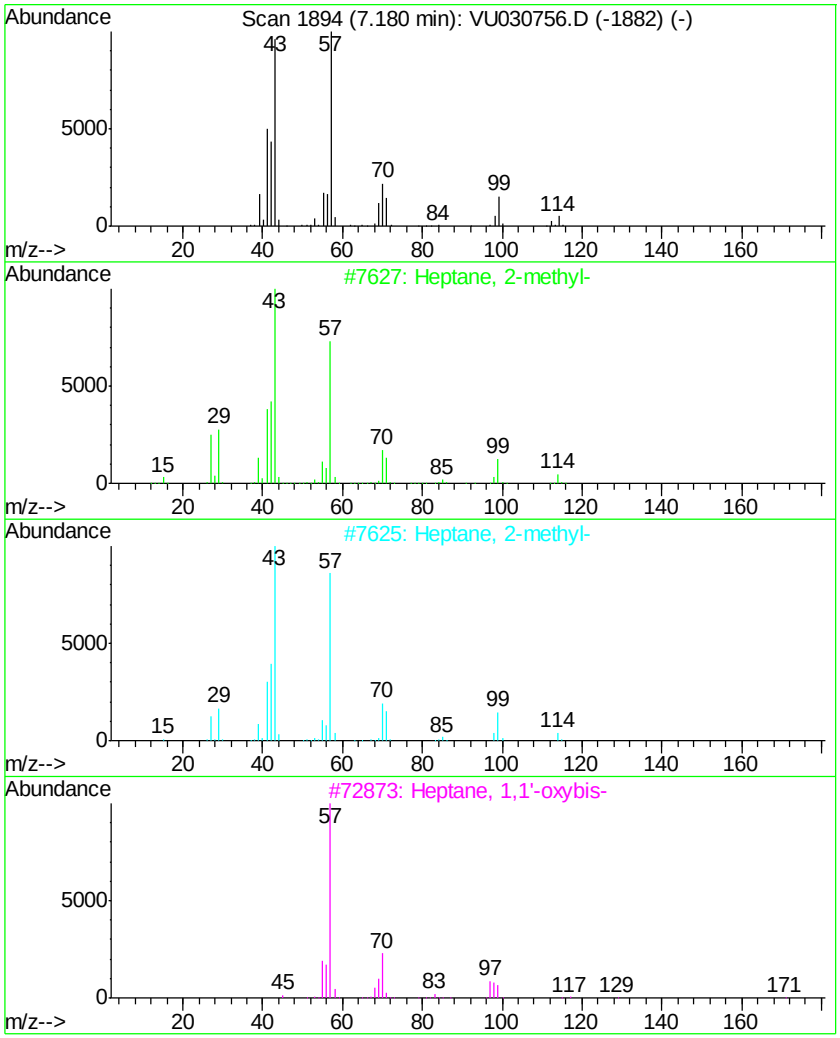
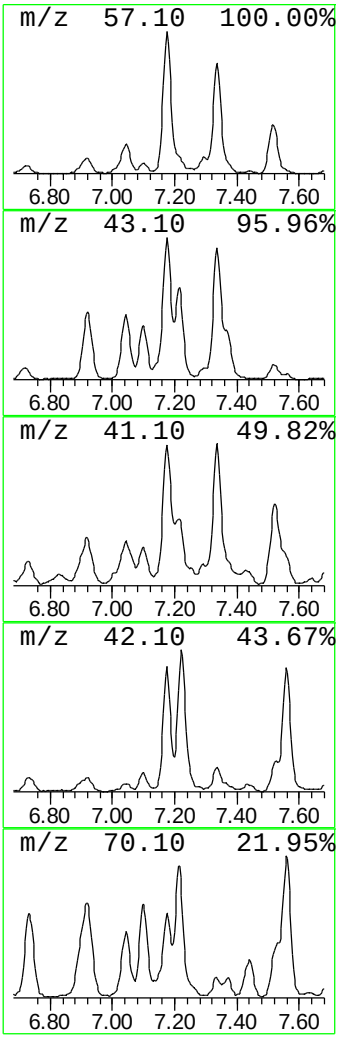
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	30.84 ug/L	746553	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	50
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	49
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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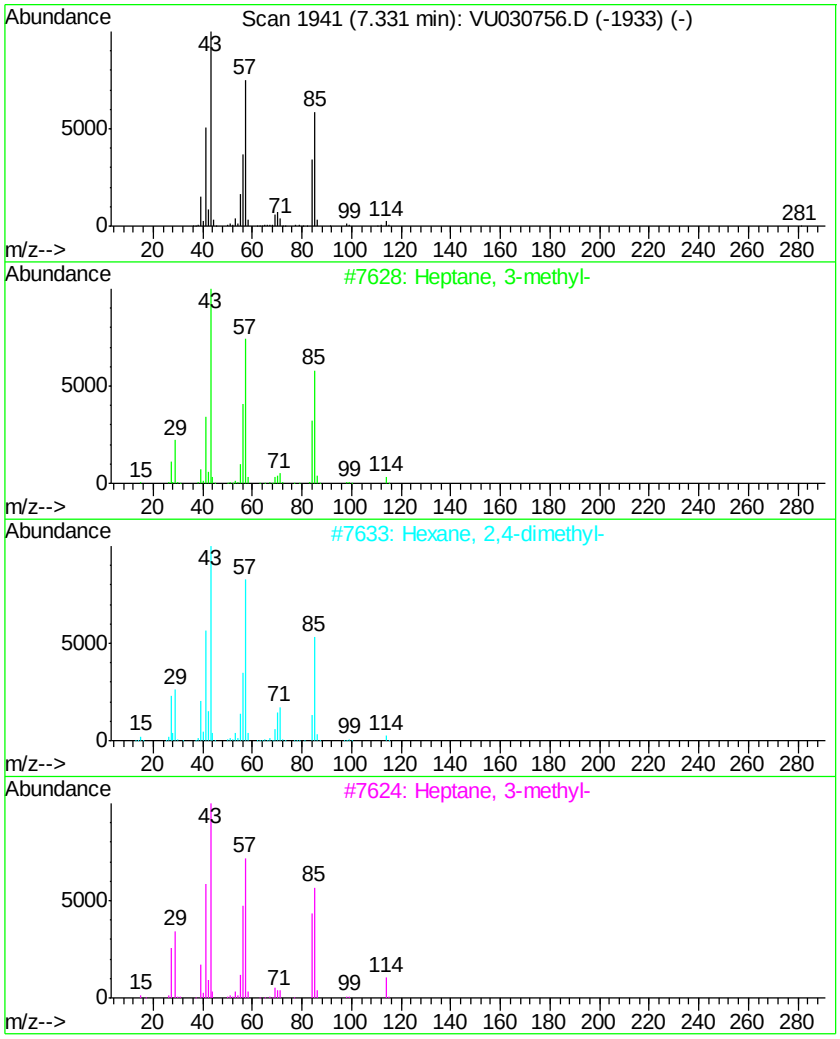
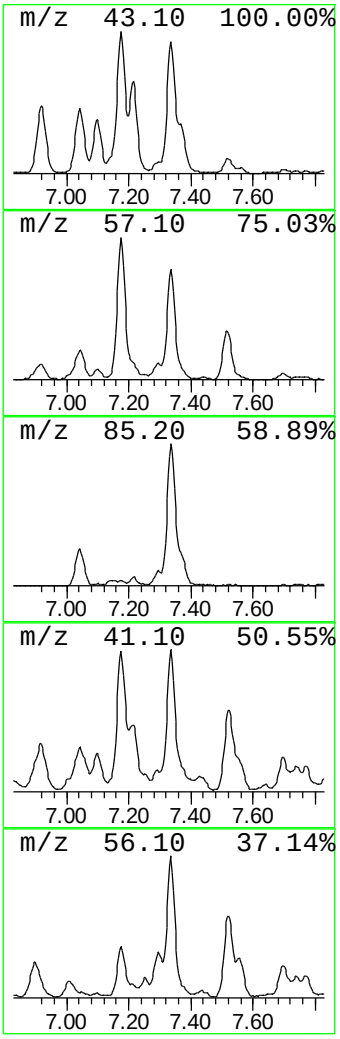
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	33.74 ug/L	816728	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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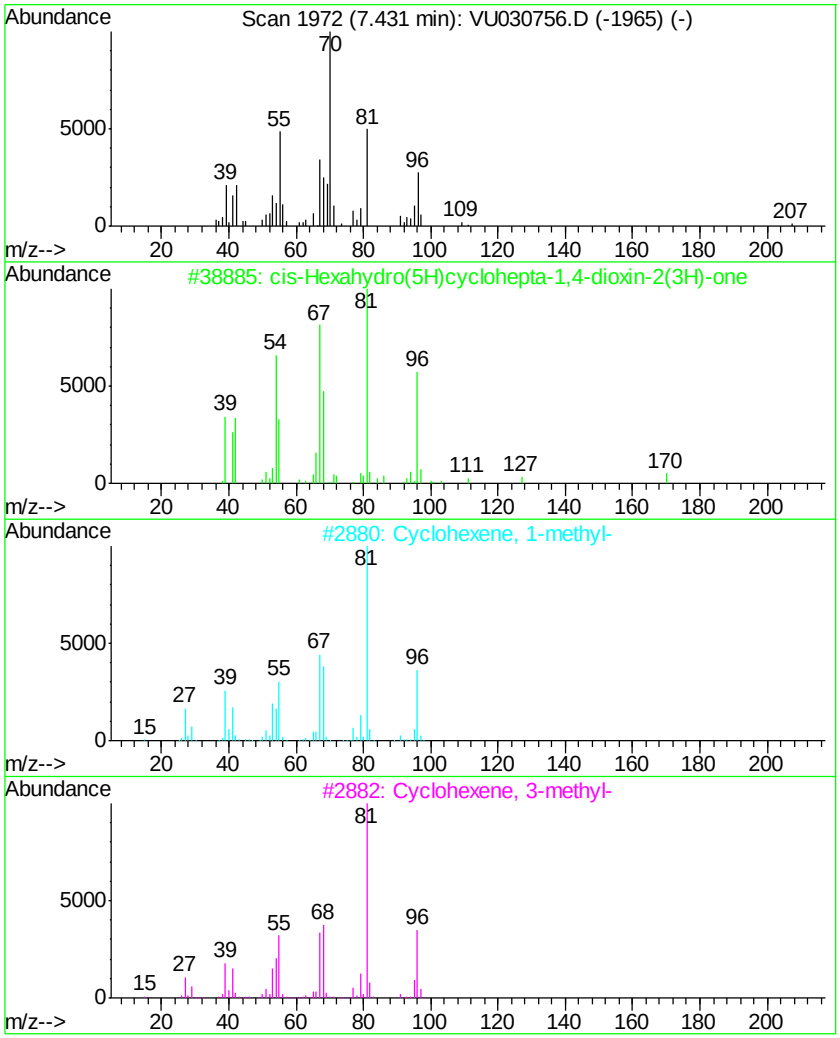
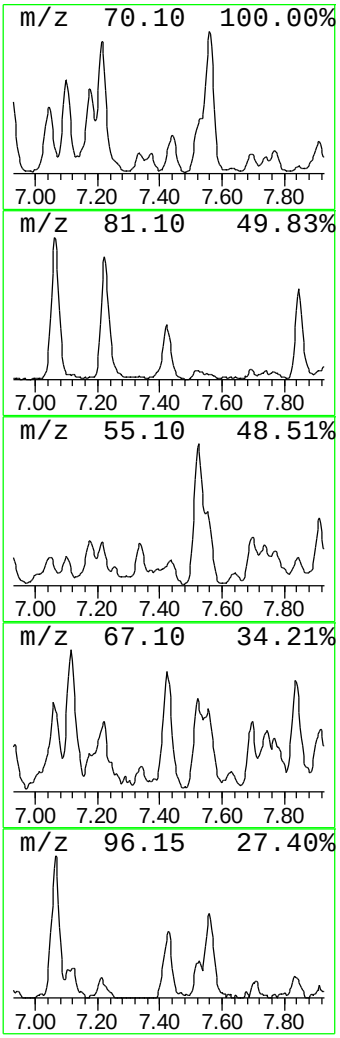
Peak Number 27 cis-Hexahydro(5H)cyclohepta... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	7.12 ug/L	172351	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Hexahydro(5H)cyclohepta-1,4-...	170	C9H14O3	1000108-56-1	50
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	49
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	49
4	7,8-Diazabicyclo[4.2.0]octane, 1...	156	C7H12N2O2	169522-32-1	47
5	Carbonic acid, propyl cyclohexyl...	200	C11H20O3	1000357-81-6	47





Library Search Compound Report

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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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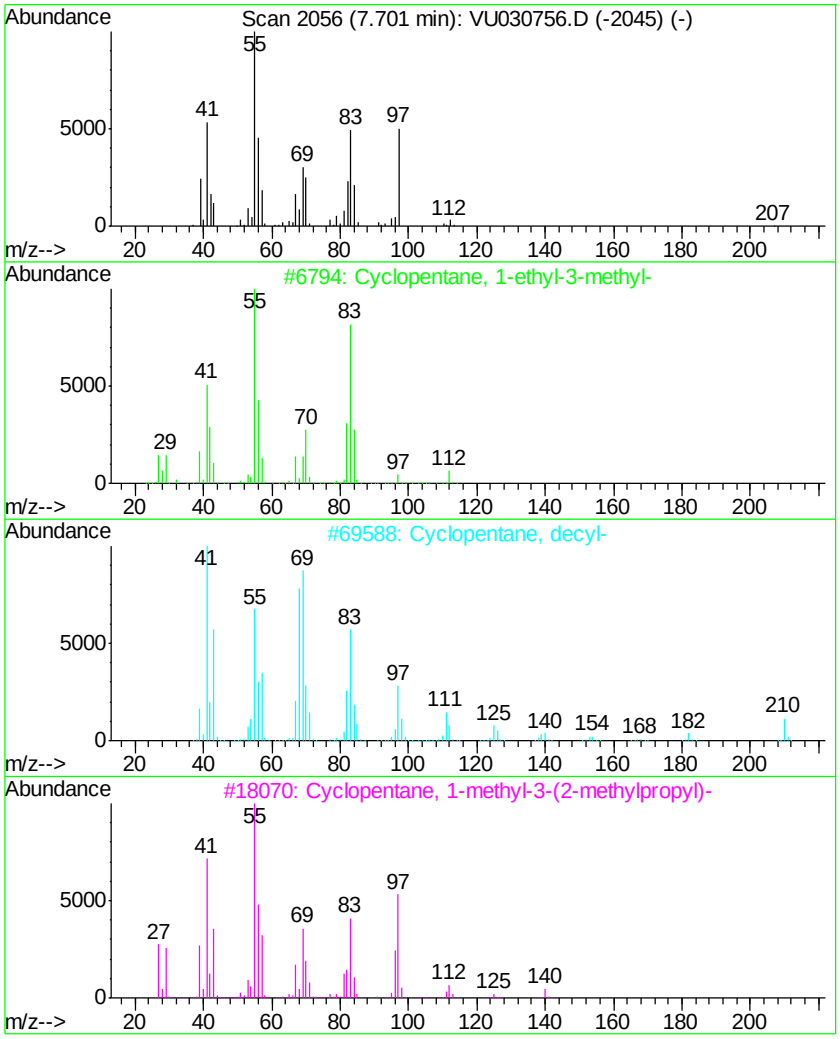
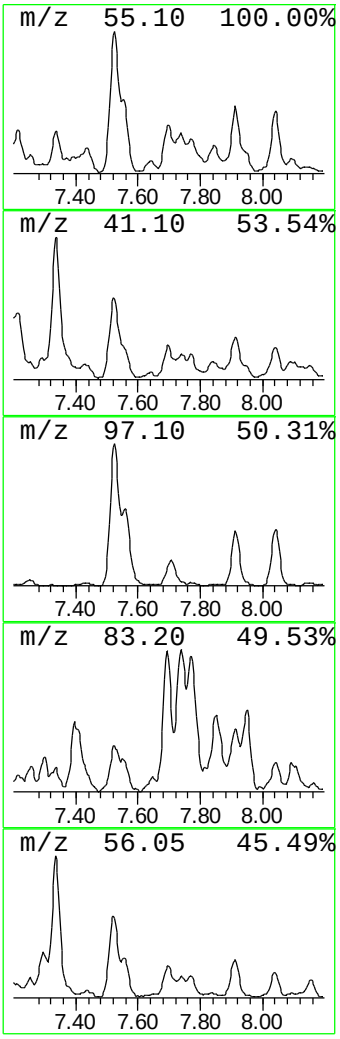
Peak Number 28 (DEL) Alkane: Cyclic7.70 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	6.64 ug/L	186853	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	59
2	Cyclopentane, decyl-	210	C15H30	001795-21-7	53
3	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	50
4	Cyclooctane	112	C8H16	000292-64-8	47
5	Cyclohexanone, 4-methyl-	112	C7H12O	000589-92-4	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

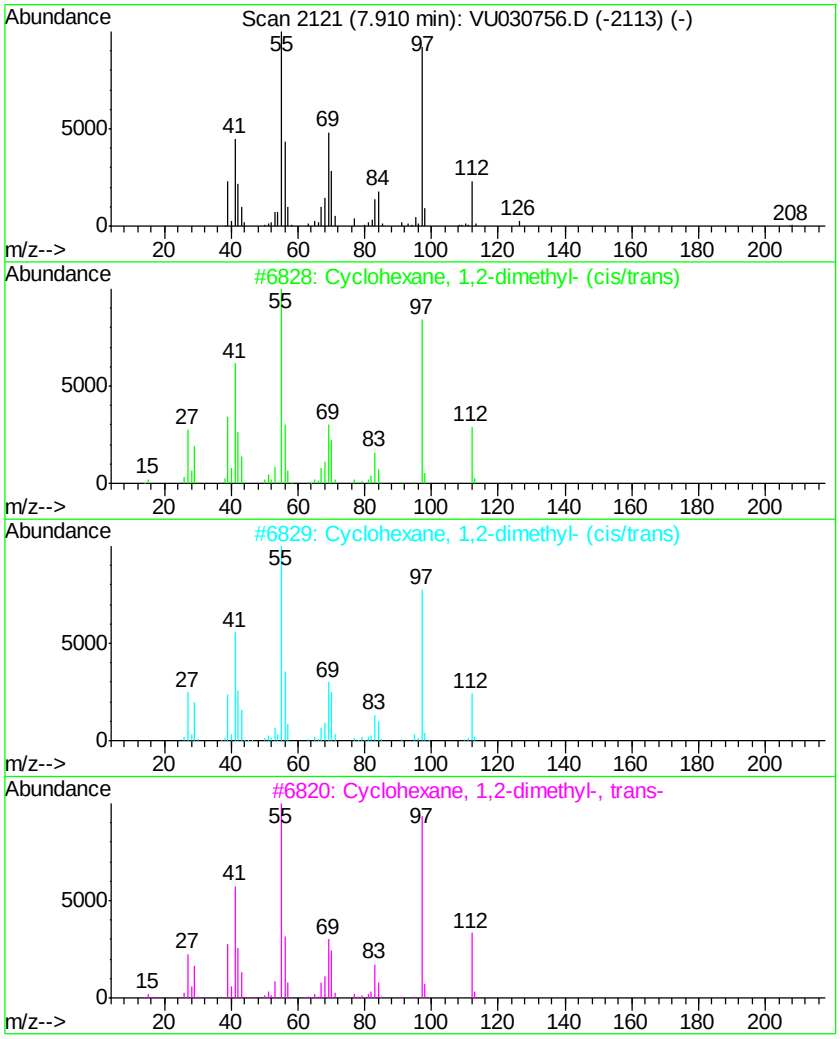
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

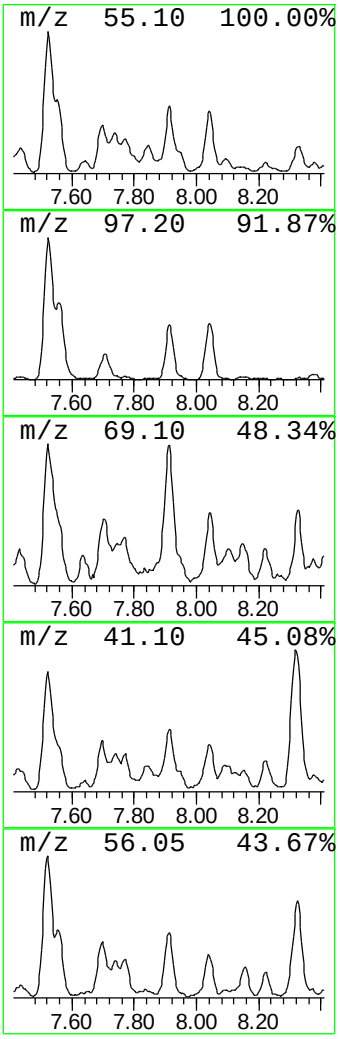
****

Peak Number 29 (DEL) Alkane: Cyclic7.91 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	12.08 ug/L	340223	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	93
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

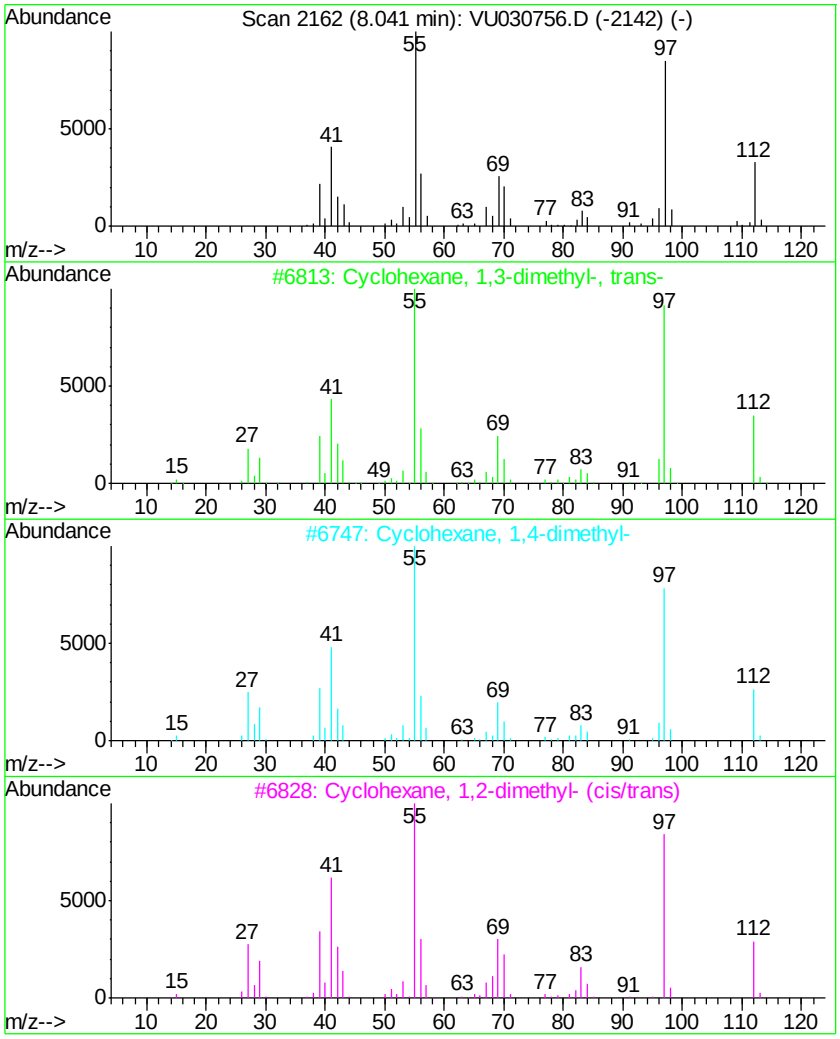
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

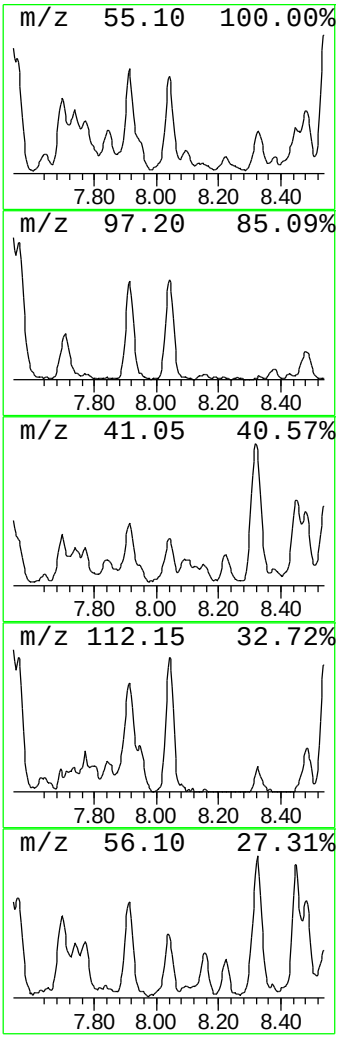
****

Peak Number 30 (DEL) Alkane: Cyclic8.04 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	8.72 ug/L	245541	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

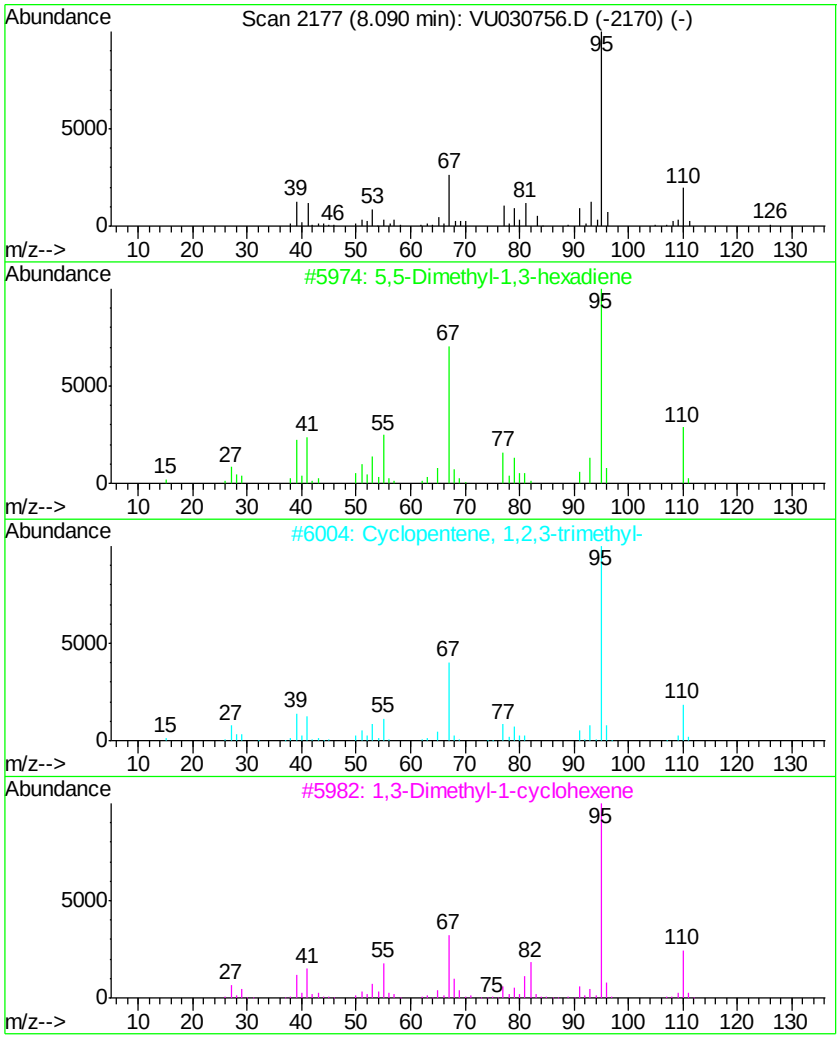
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

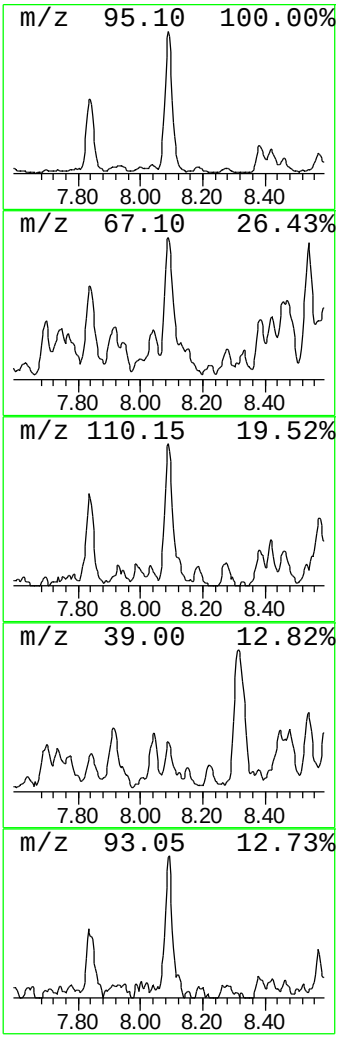
****

Peak Number 31 5,5-Dimethyl-1,3-hexadiene Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	4.99 ug/L	140412	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	91
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	91
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	87
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

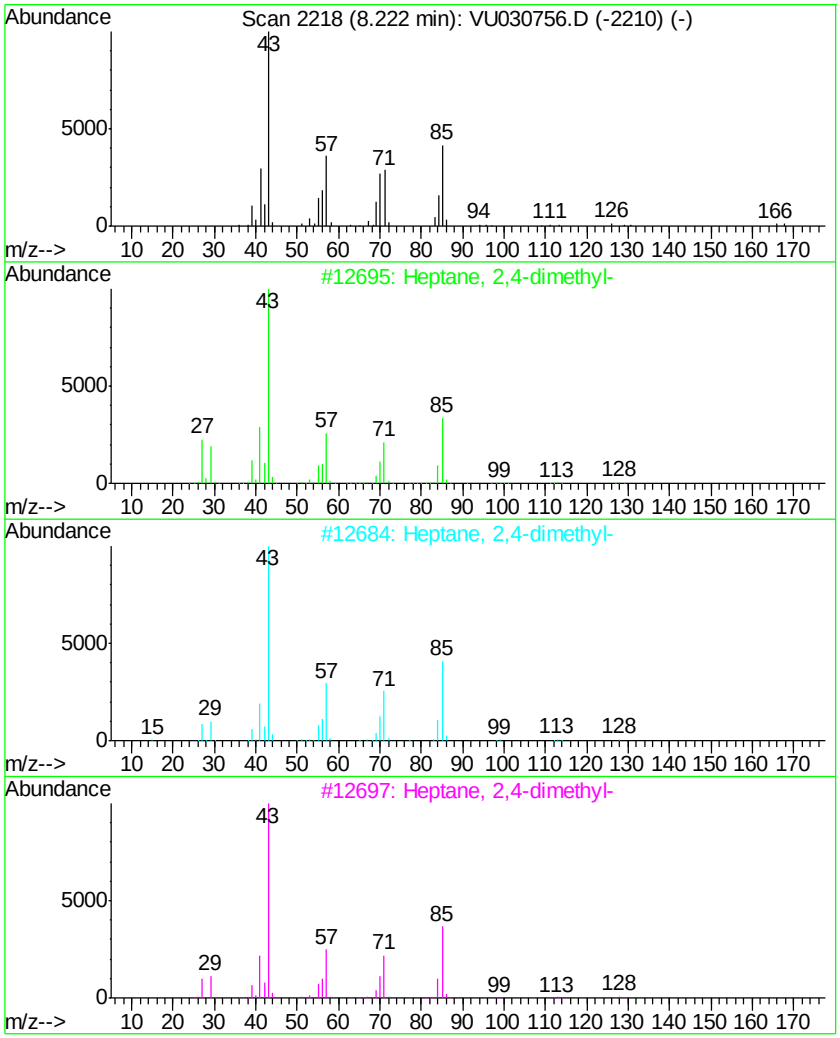
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

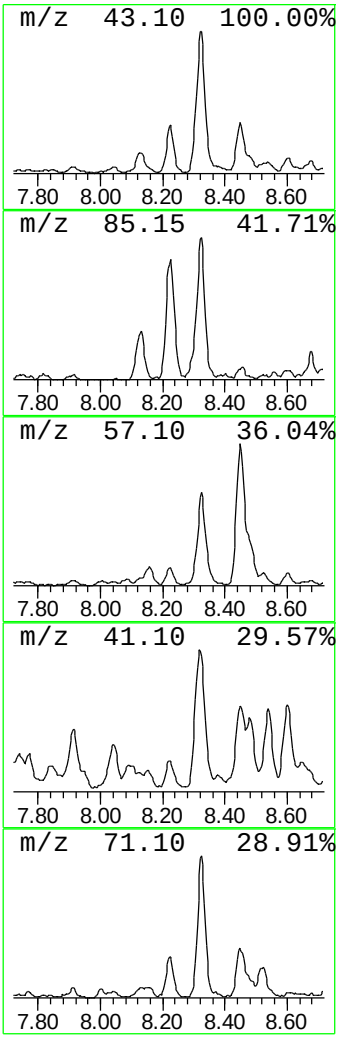
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	4.13 ug/L	116341	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	87
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

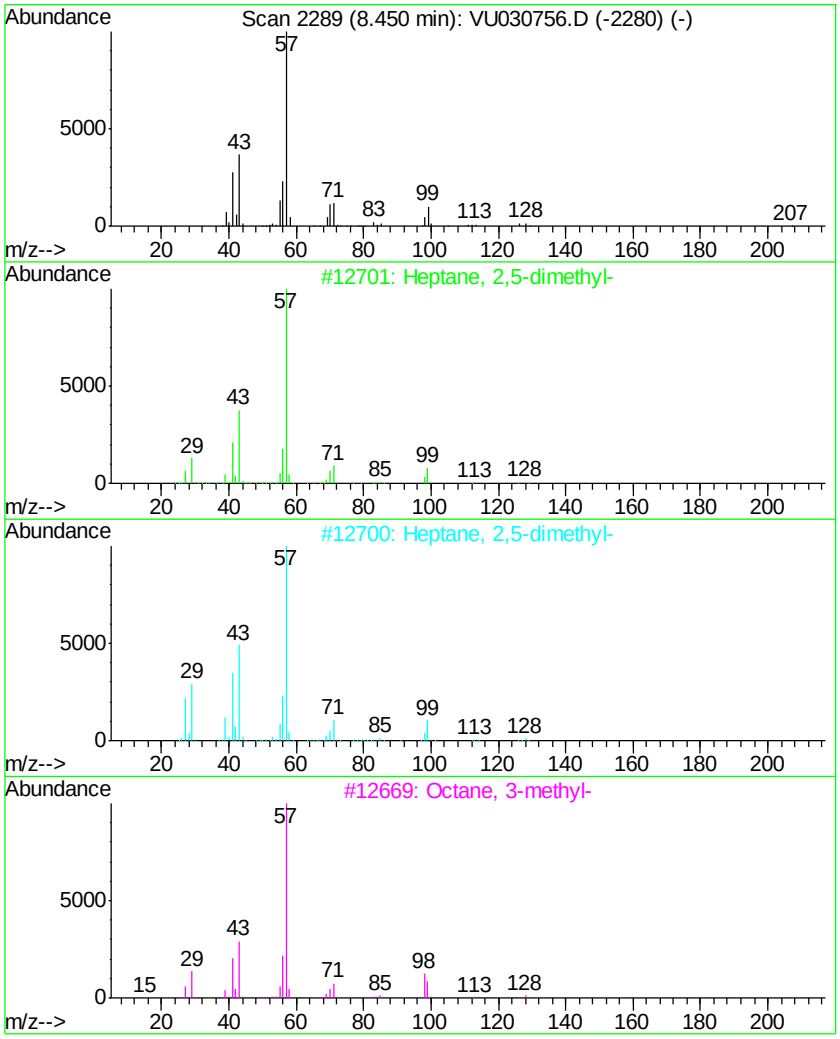
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

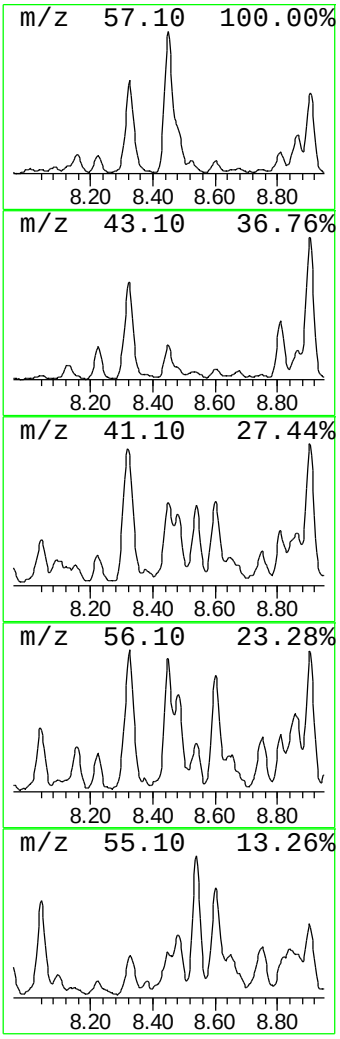
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	9.62 ug/L	270747	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
3	Octane, 3-methyl-	128	C9H20	002216-33-3	72
4	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

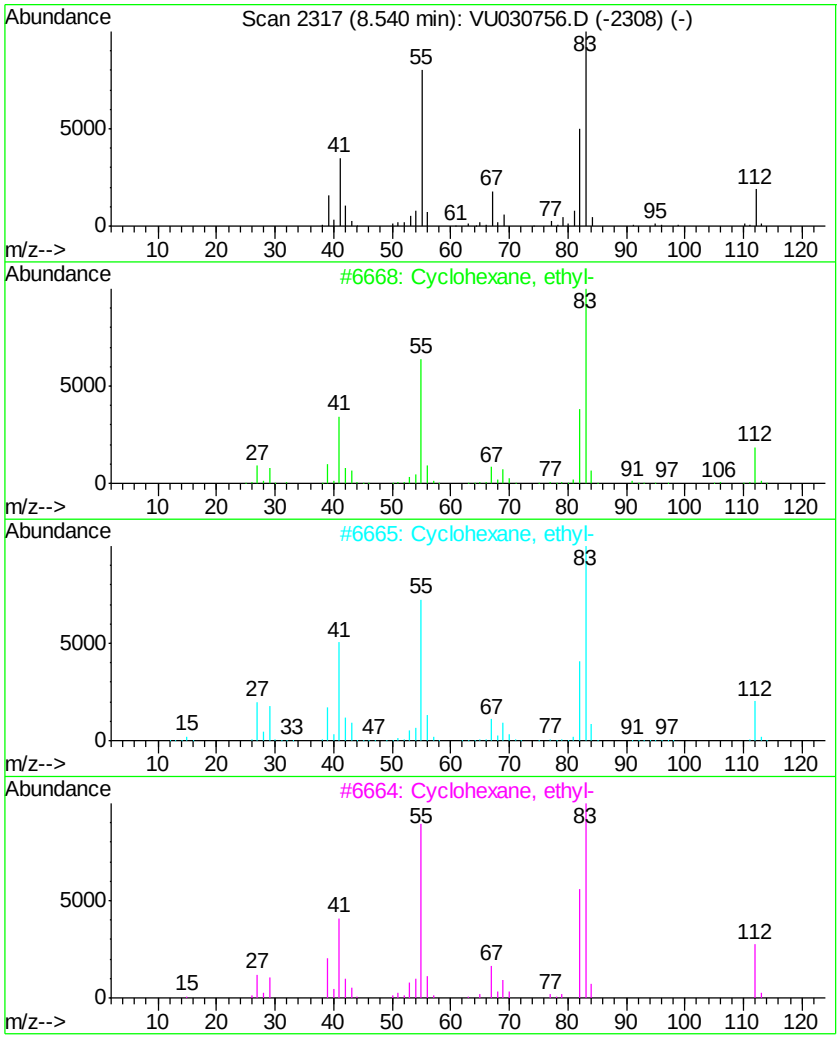
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

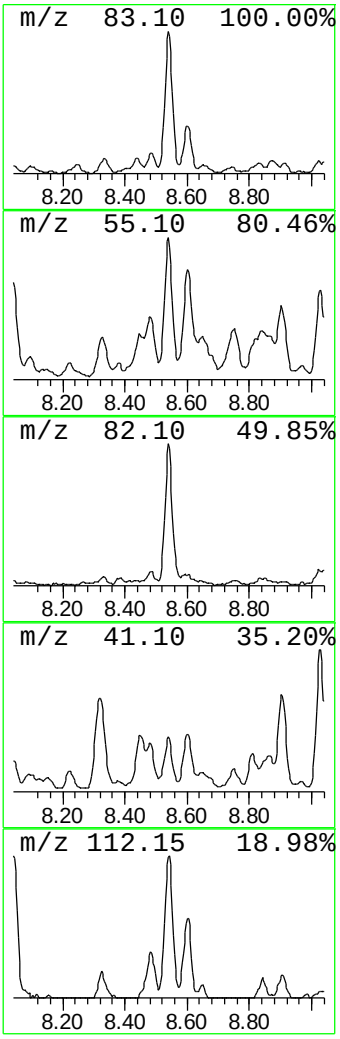
****

Peak Number 34 (DEL) Alkane: Cyclic8.54 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	8.47 ug/L	238523	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	62
4	2H-Pyran-2-carboxaldehyde, 5,6-d...	112	C6H8O2	053897-26-0	52
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

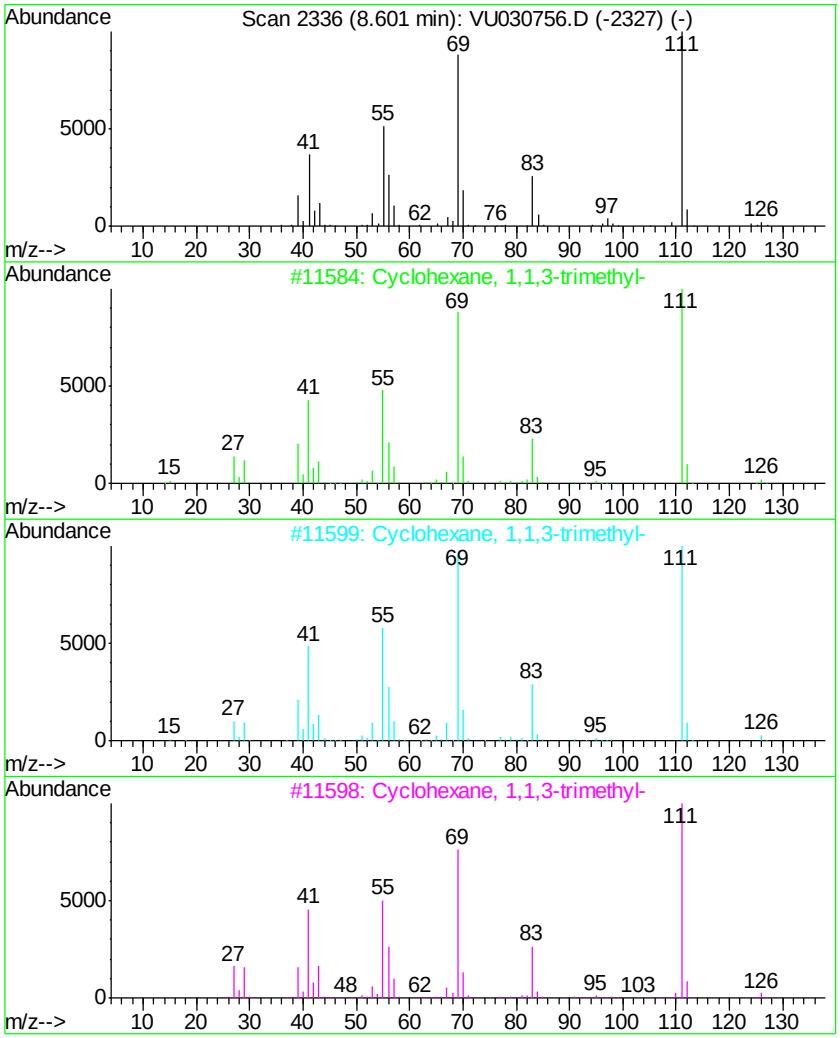
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

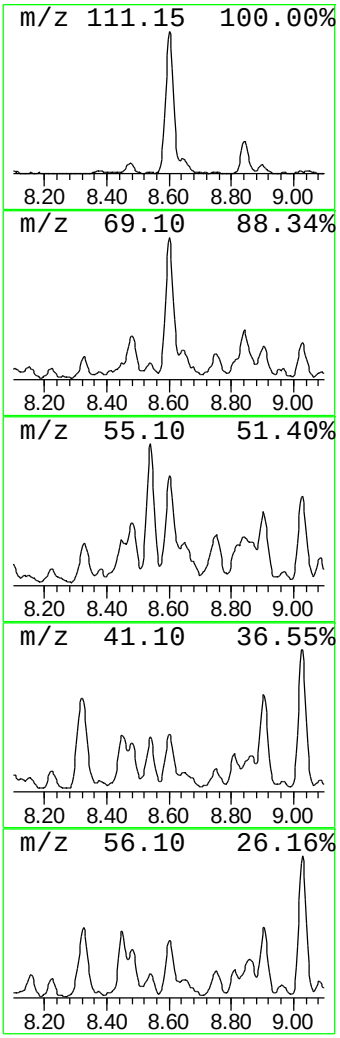
****

Peak Number 35 (DEL) Alkane: Cyclic8.60 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	11.01 ug/L	310104	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
4	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	72
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

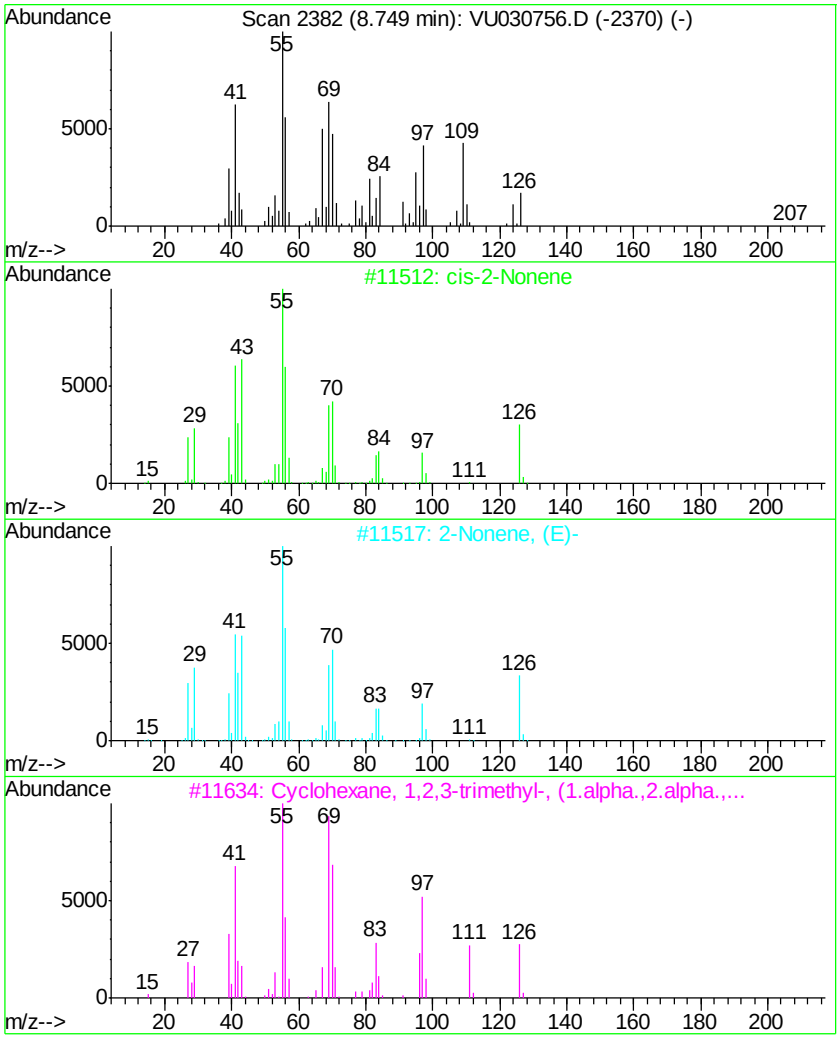
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

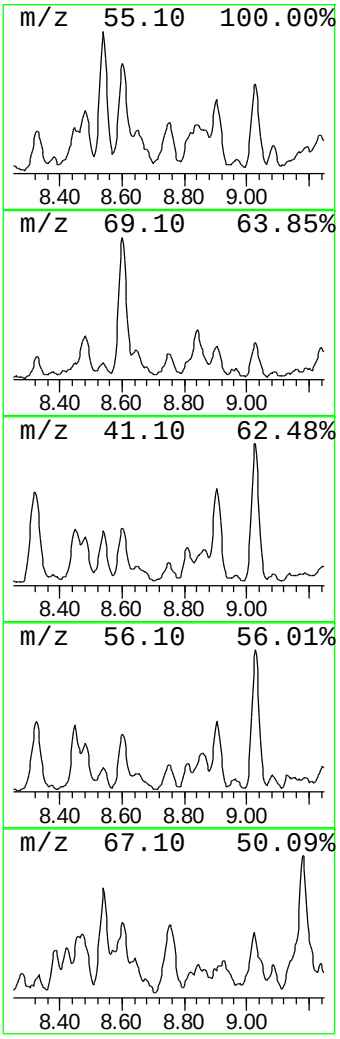
****

Peak Number 36 (DEL) Alkane: Cyclic8.75 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	6.03 ug/L	169763	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-2-Nonene	126	C9H18	006434-77-1	46
2	2-Nonene, (E)-	126	C9H18	006434-78-2	46
3	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	007667-55-2	38
4	cis-3-Nonene	126	C9H18	020237-46-1	38
5	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

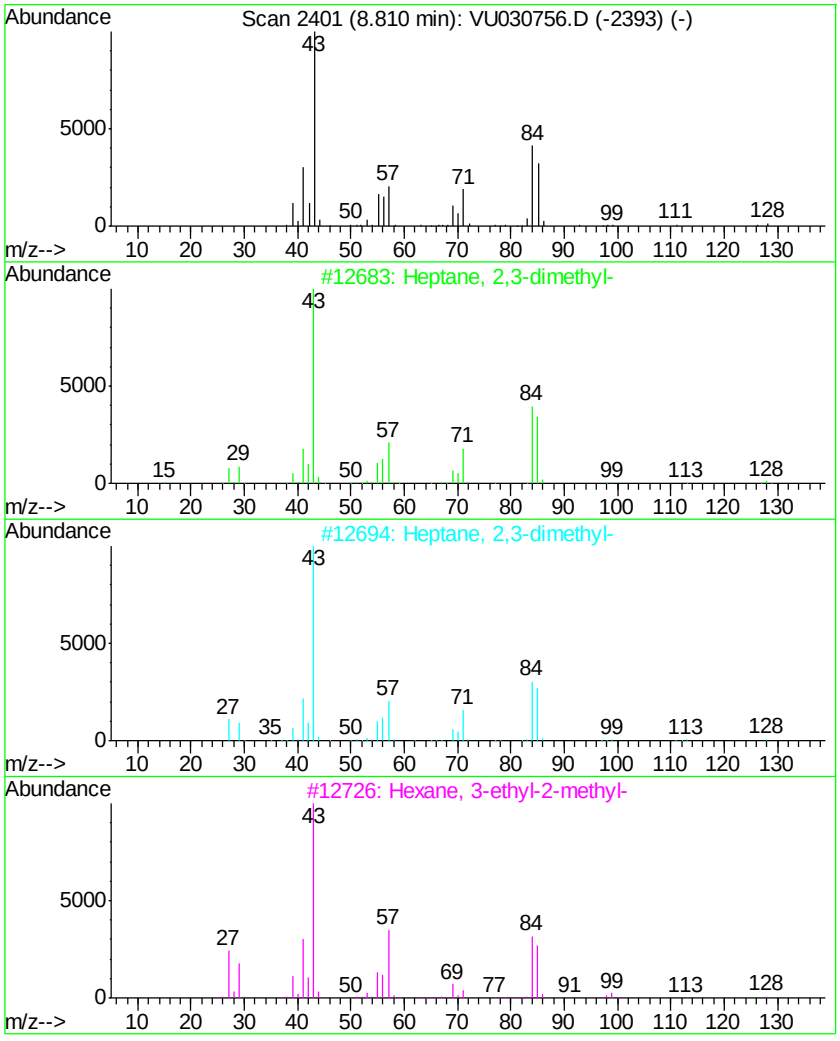
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

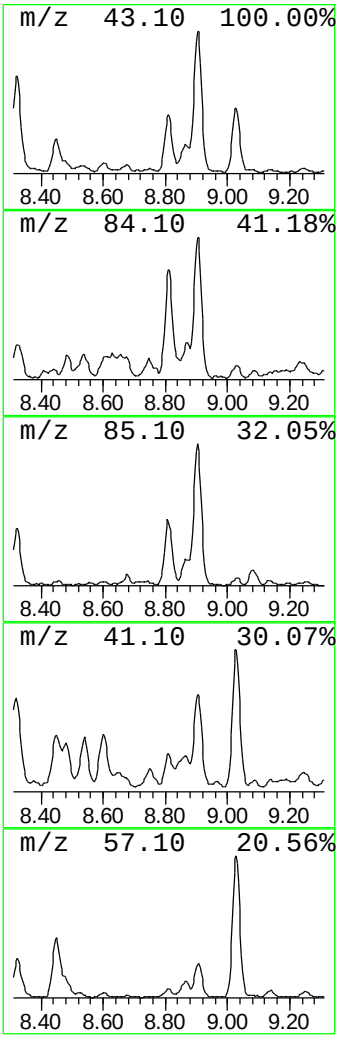
****

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	6.90 ug/L	194347	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
3	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	86
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	83
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

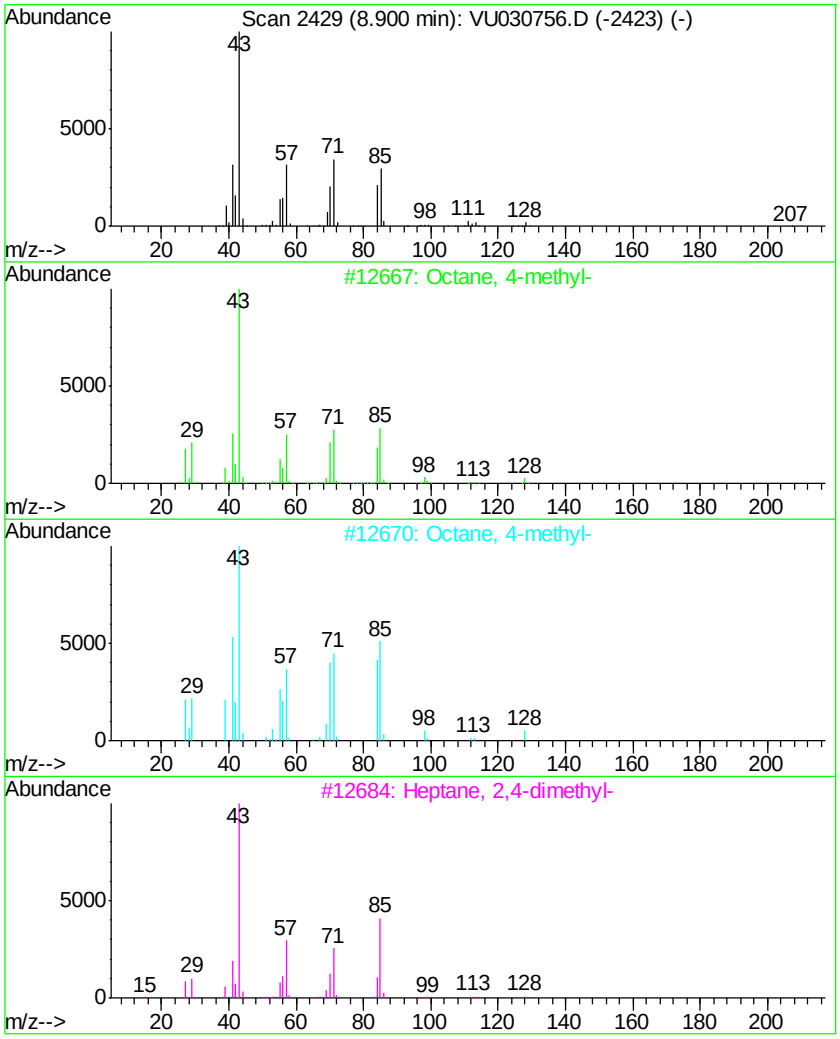
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

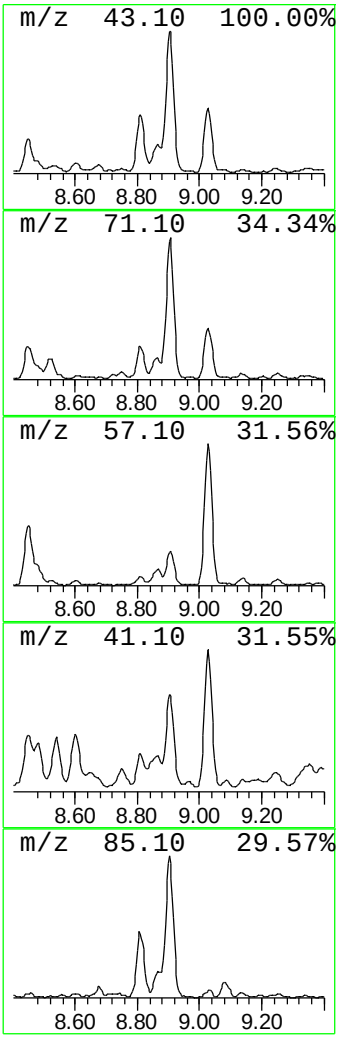
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	21.11 ug/L	594370	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	91
2	Octane, 4-methyl-	128	C9H20	002216-34-4	80
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4	Octane	114	C8H18	000111-65-9	64
5	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

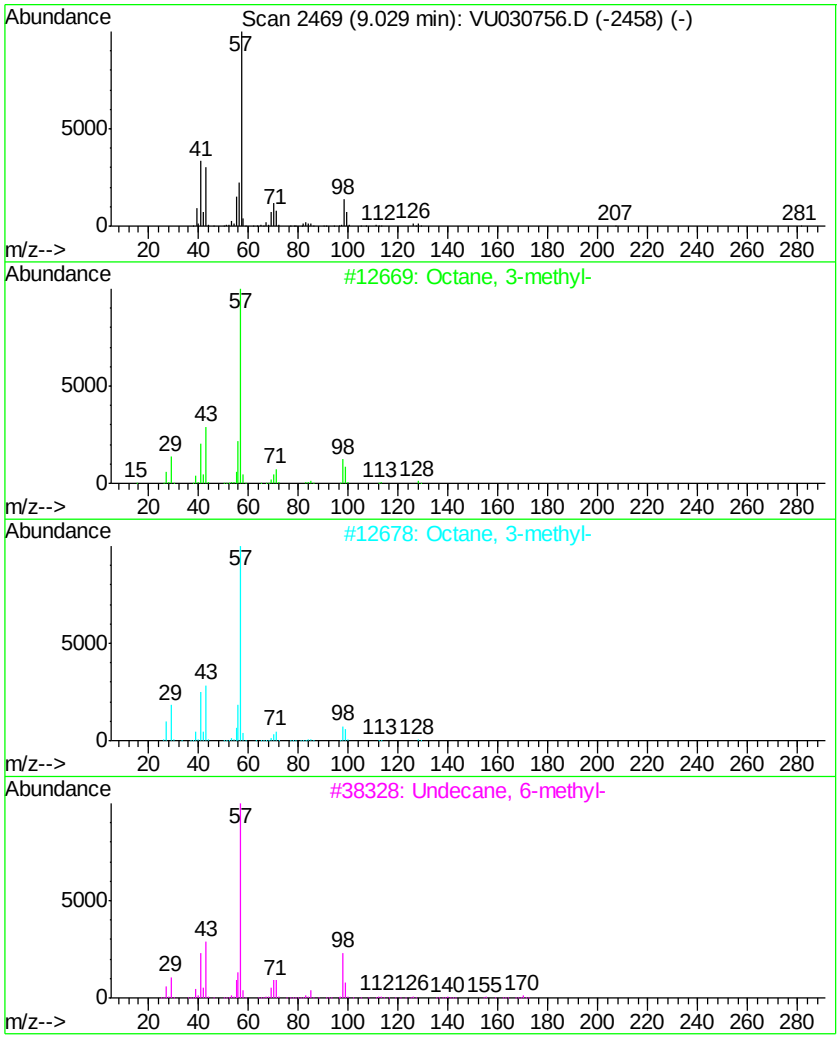
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

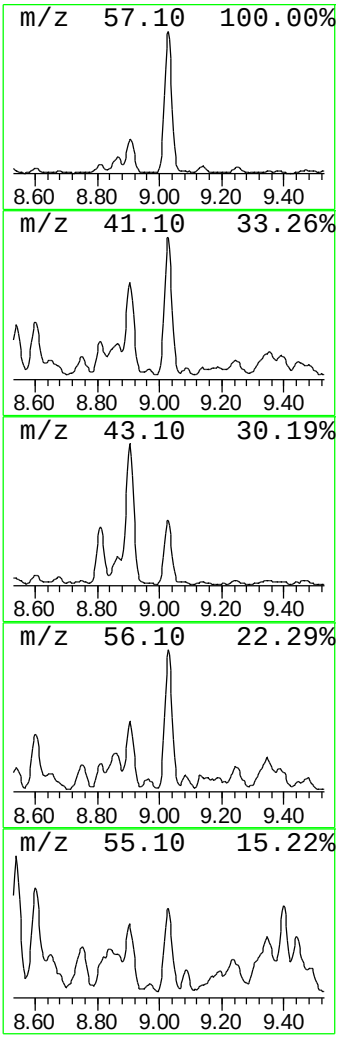
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	24.17 ug/L	680499	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	80
2	Octane, 3-methyl-	128	C9H20	002216-33-3	64
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
4	3-Undecene, 6-methyl-, (E)-	168	C12H24	074630-52-7	59
5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

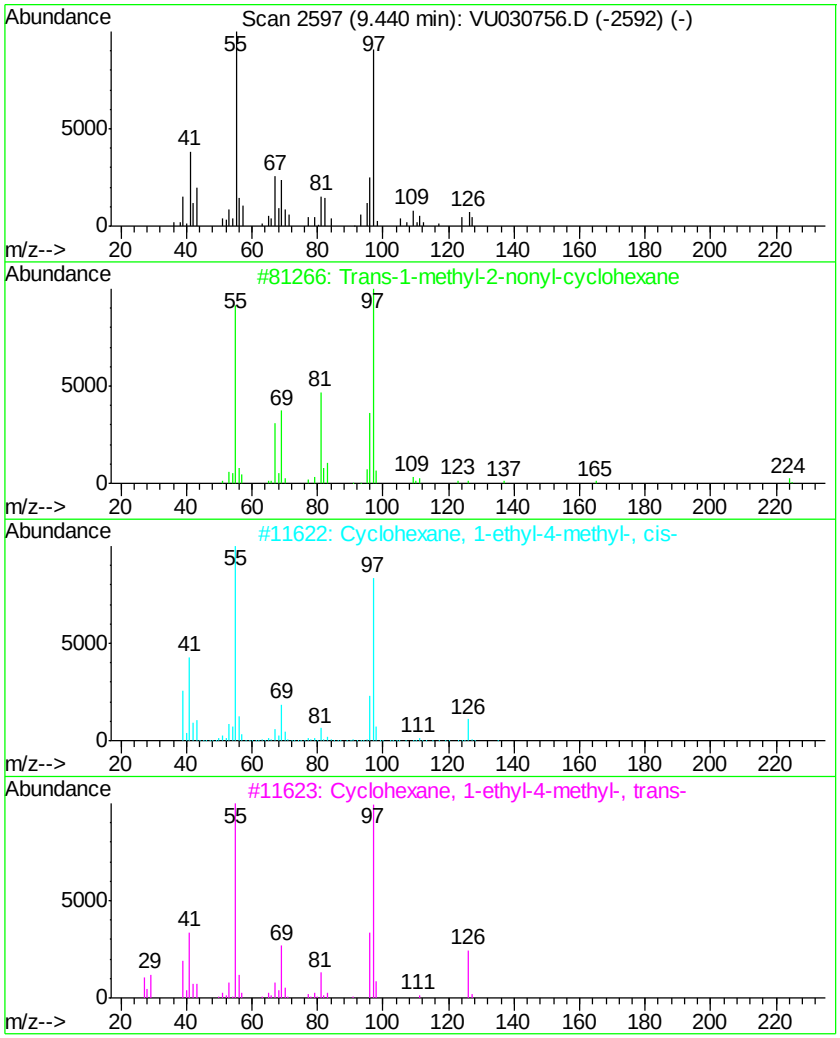
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

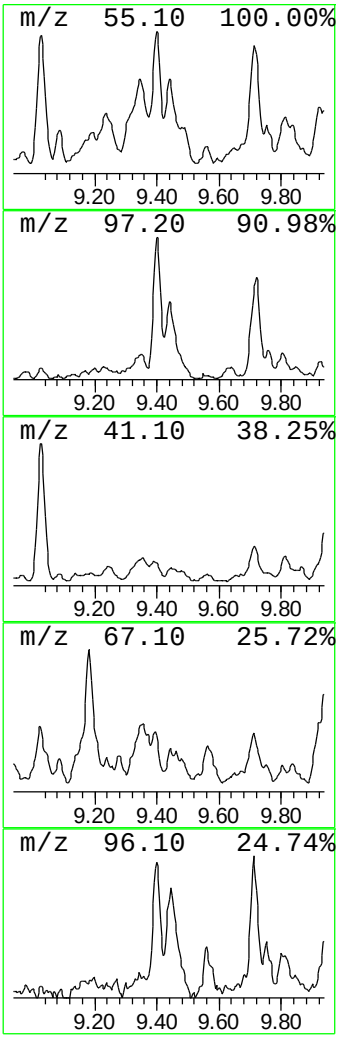
****

Peak Number 40 (DEL) Alkane: Cyclic9.44 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	6.70 ug/L	188707	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	64
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	59
4	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	56
5	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

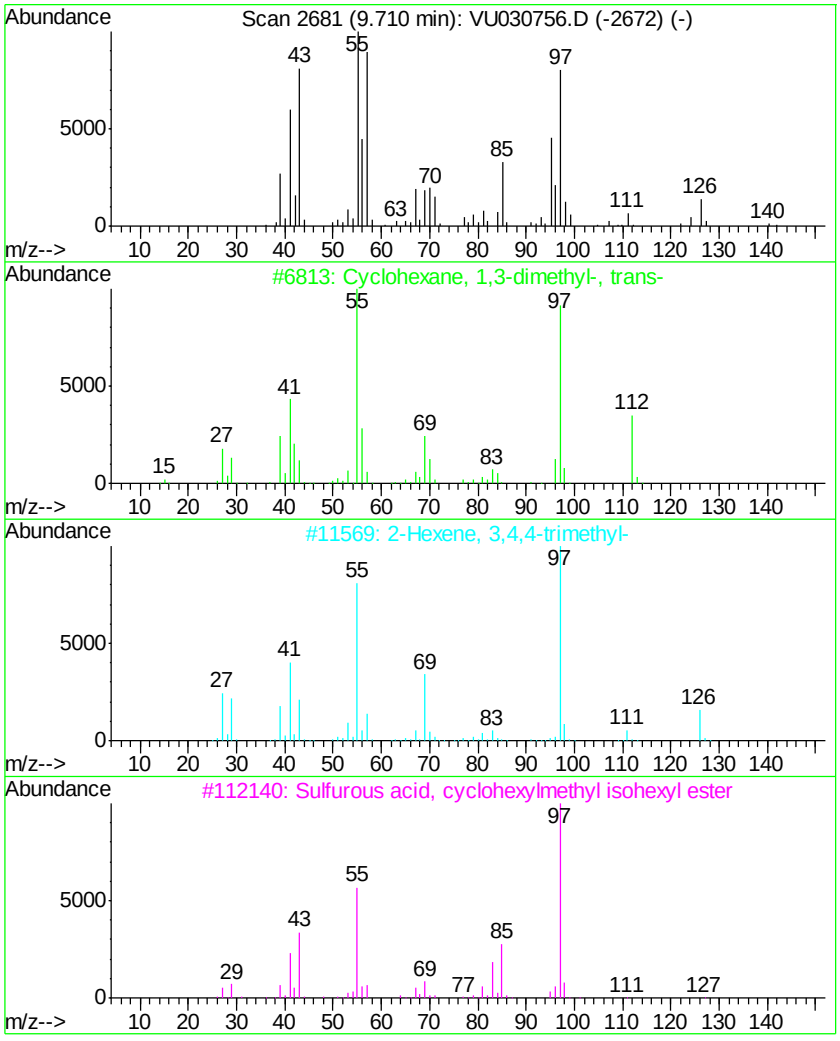
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

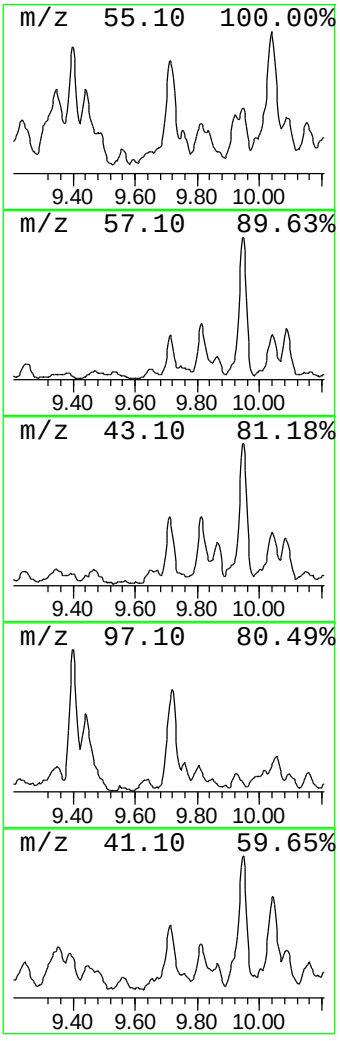
****

Peak Number 41 (DEL) Alkane: Cyclic9.71 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	8.24 ug/L	232043	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	50
2	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	43
3	Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-5	43
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	43
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

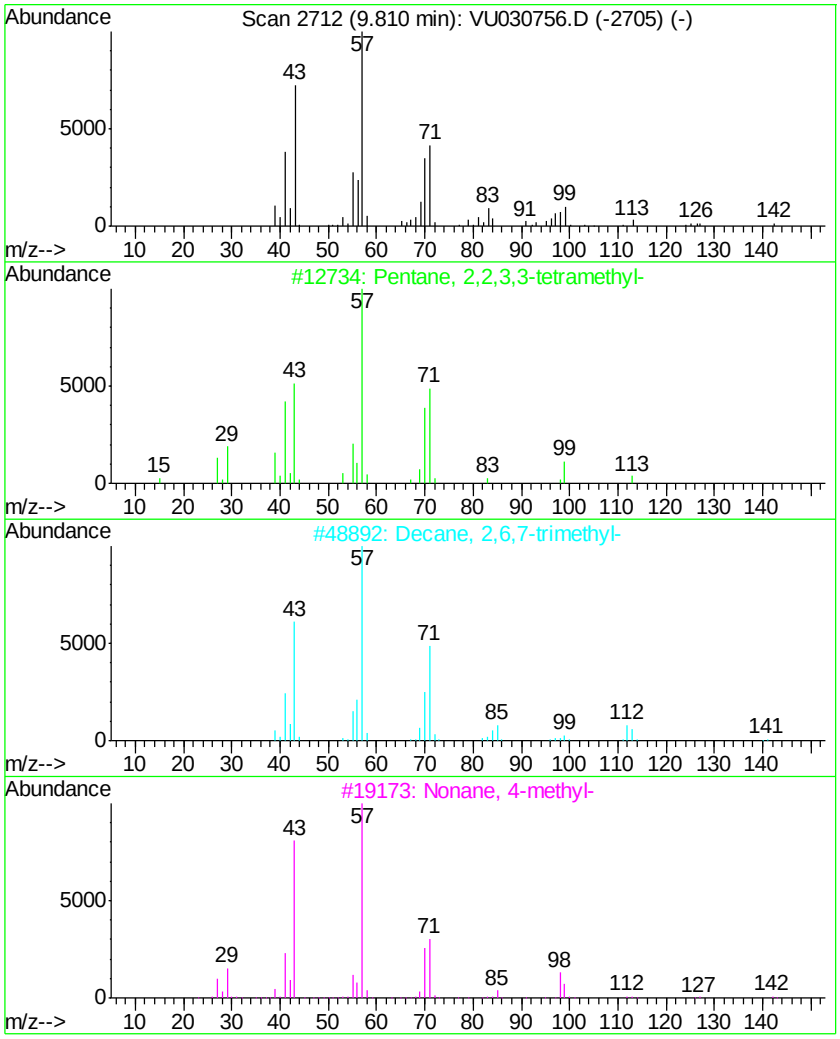
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

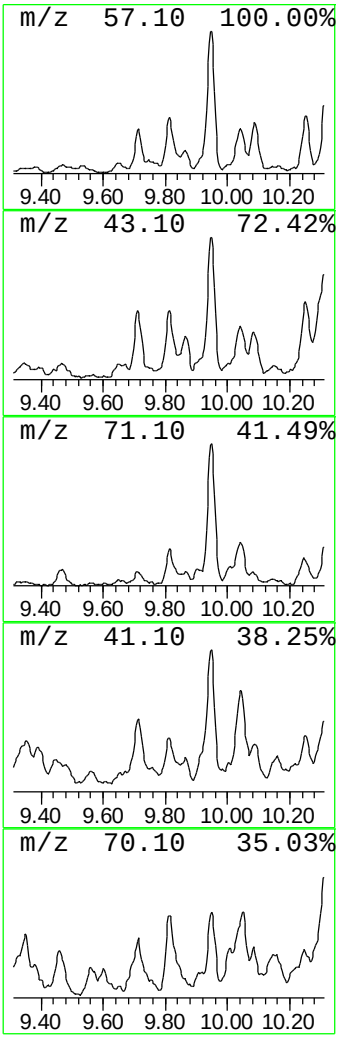
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	5.77 ug/L	162452	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	72
2	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	72
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
4	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	64
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

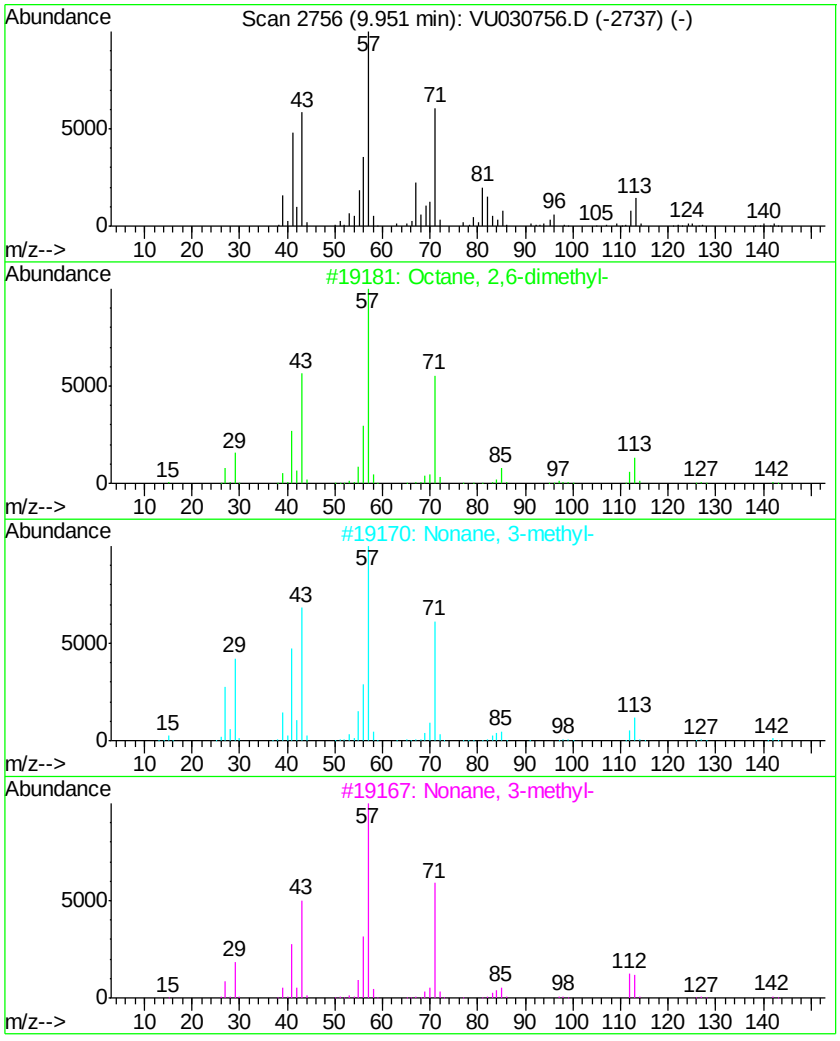
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

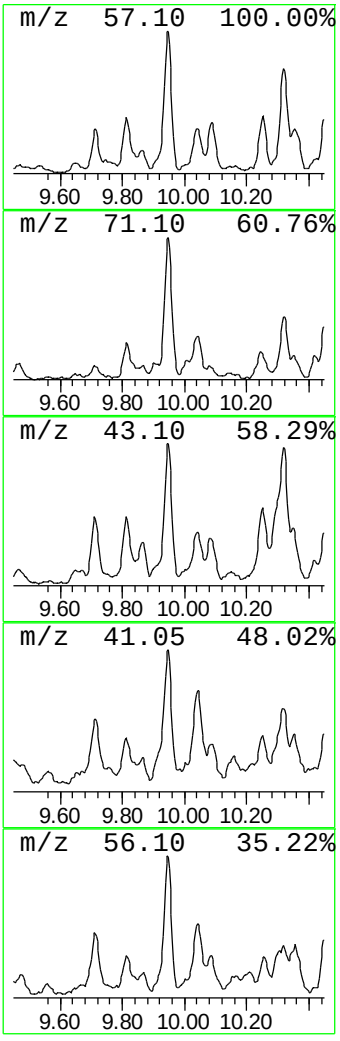
****

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	19.49 ug/L	548796	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	70
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	62
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	58
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

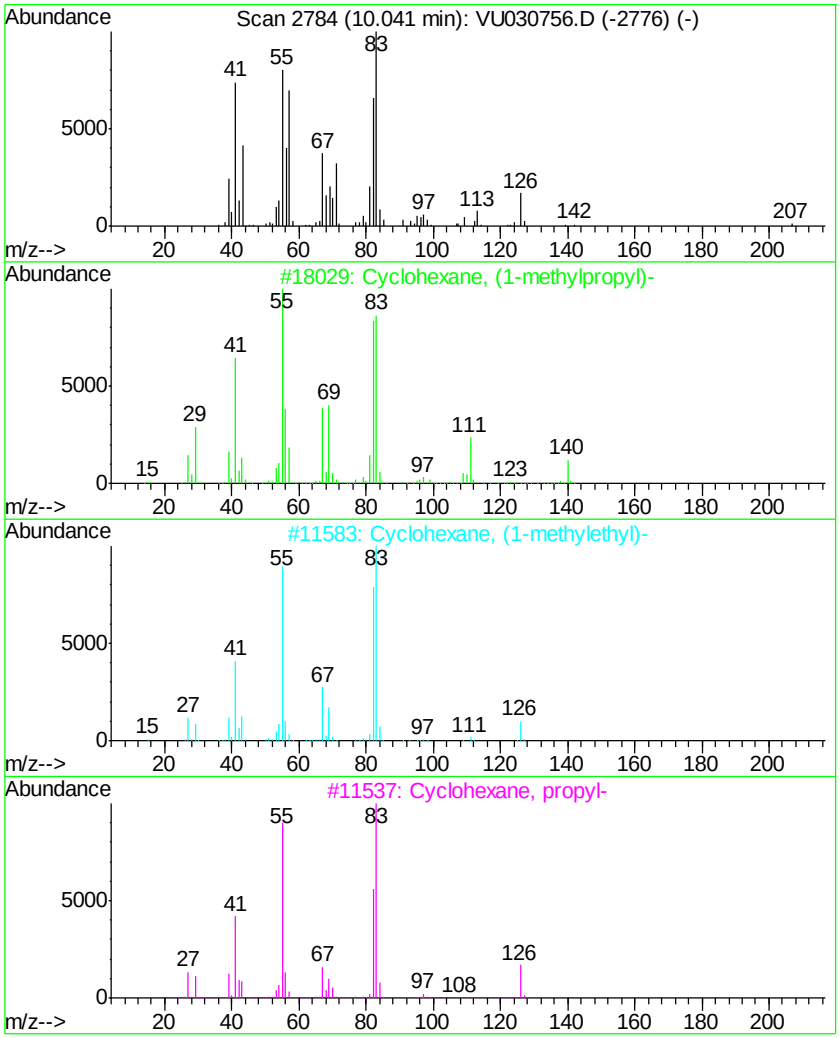
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

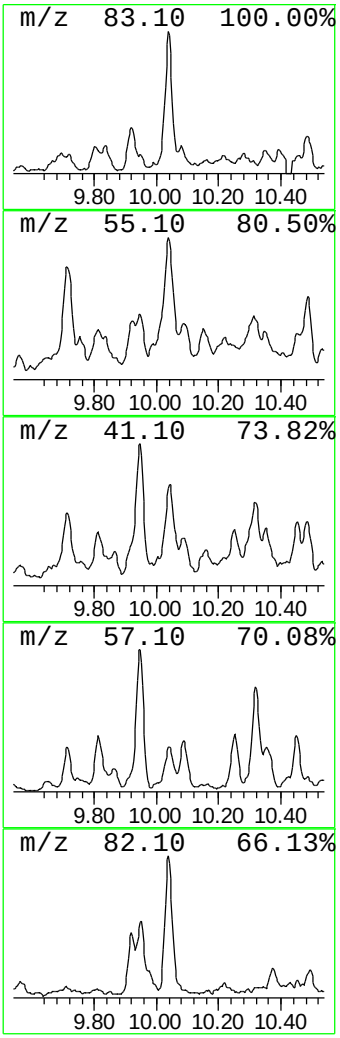
****

Peak Number 44 (DEL) Alkane: Cyclic10.04 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	8.24 ug/L	231983	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	64
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	58
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	58
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

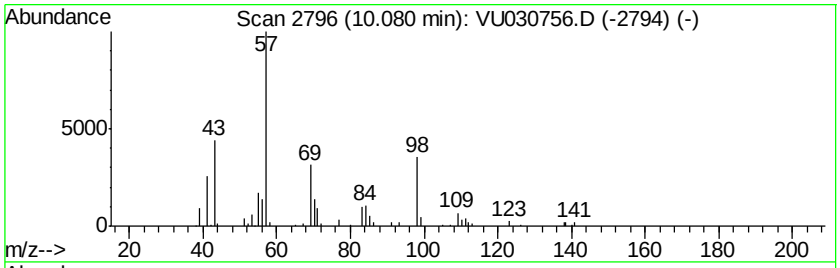
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

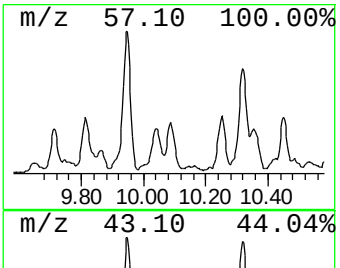
****

Peak Number 45 unknown-01 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	4.20 ug/L	118123	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(2-Methylbutylidene)isobutylami	141	C9H19N	1000250-00-2	42
2	2-Decanol, propanoate	214	C13H26O2	055683-11-9	38
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	36
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	36
5	1-Octyn-3-ol, 4-ethyl-	154	C10H18O	005877-42-9	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

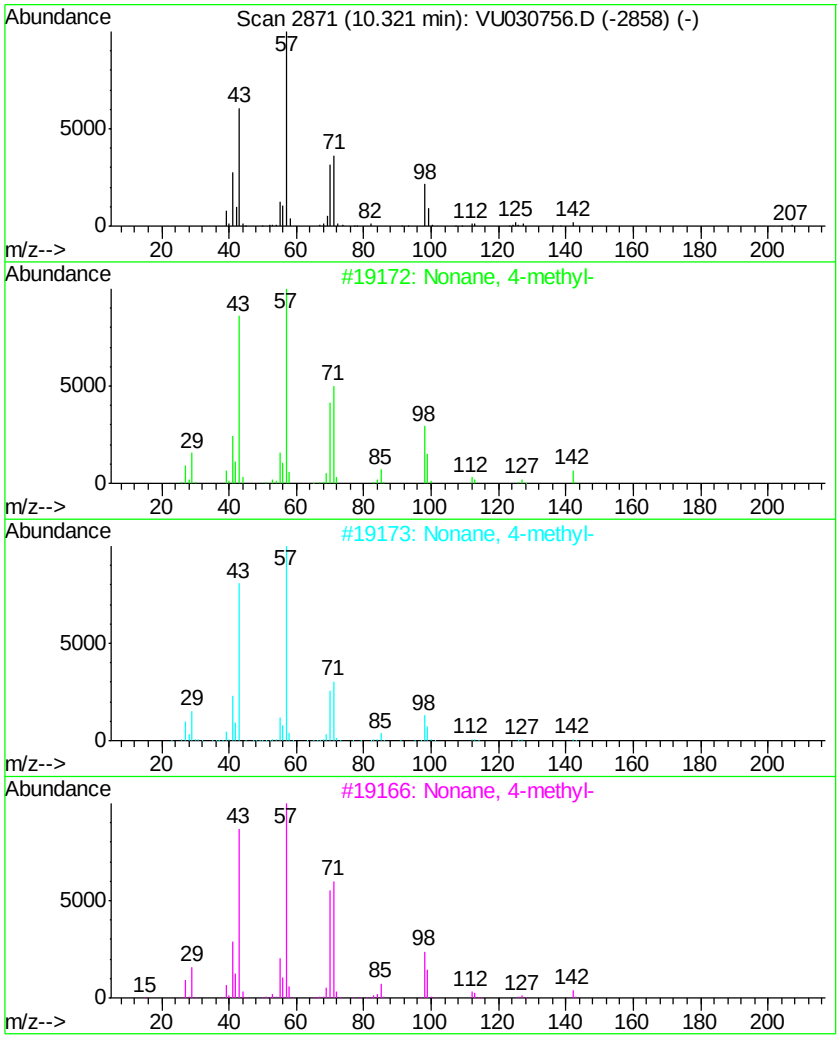
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

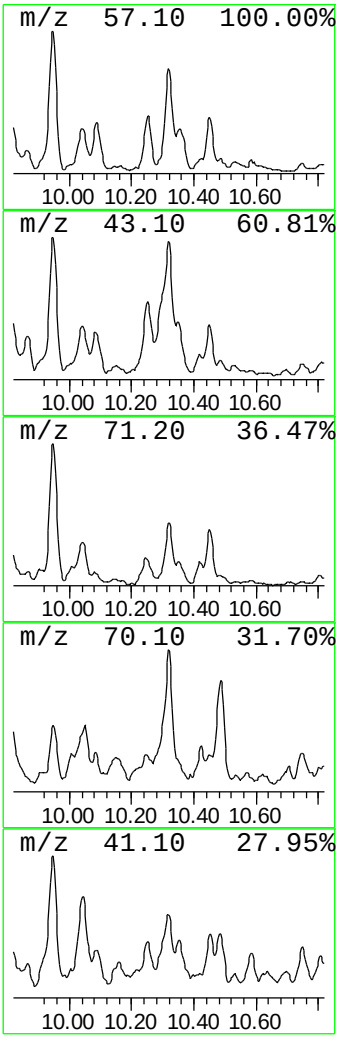
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	8.12 ug/L	227983	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	87
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	72
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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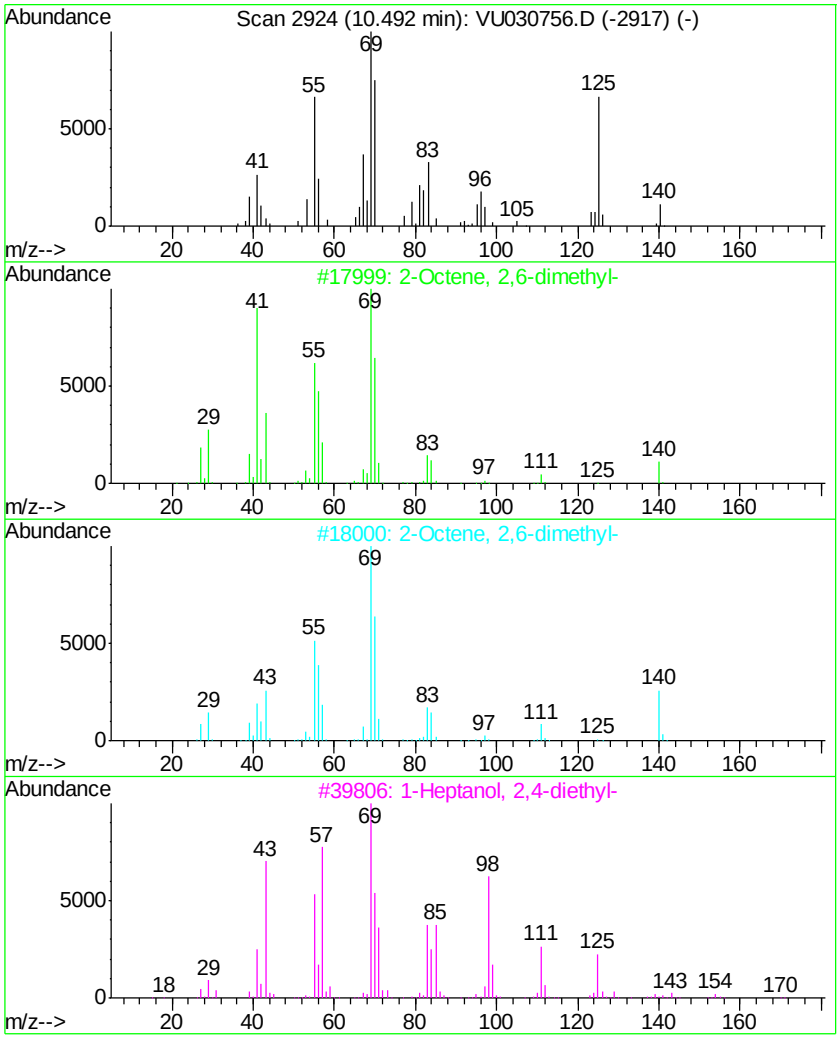
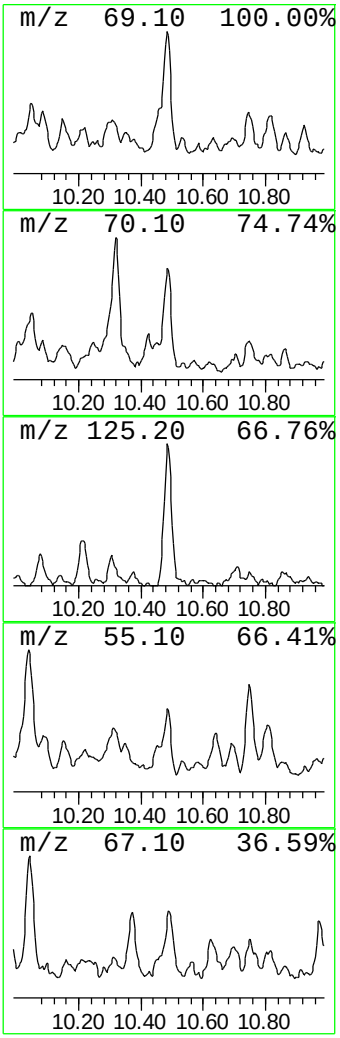
Peak Number 47 (DEL) Alkane: Cyclic10.49 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	6.11 ug/L	171558	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	52
3	1-Heptanol, 2,4-diethyl-	172	C11H24O	080192-55-8	47
4	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	32
5	3,4-Diethyl-2-hexene	140	C10H20	1000113-54-8	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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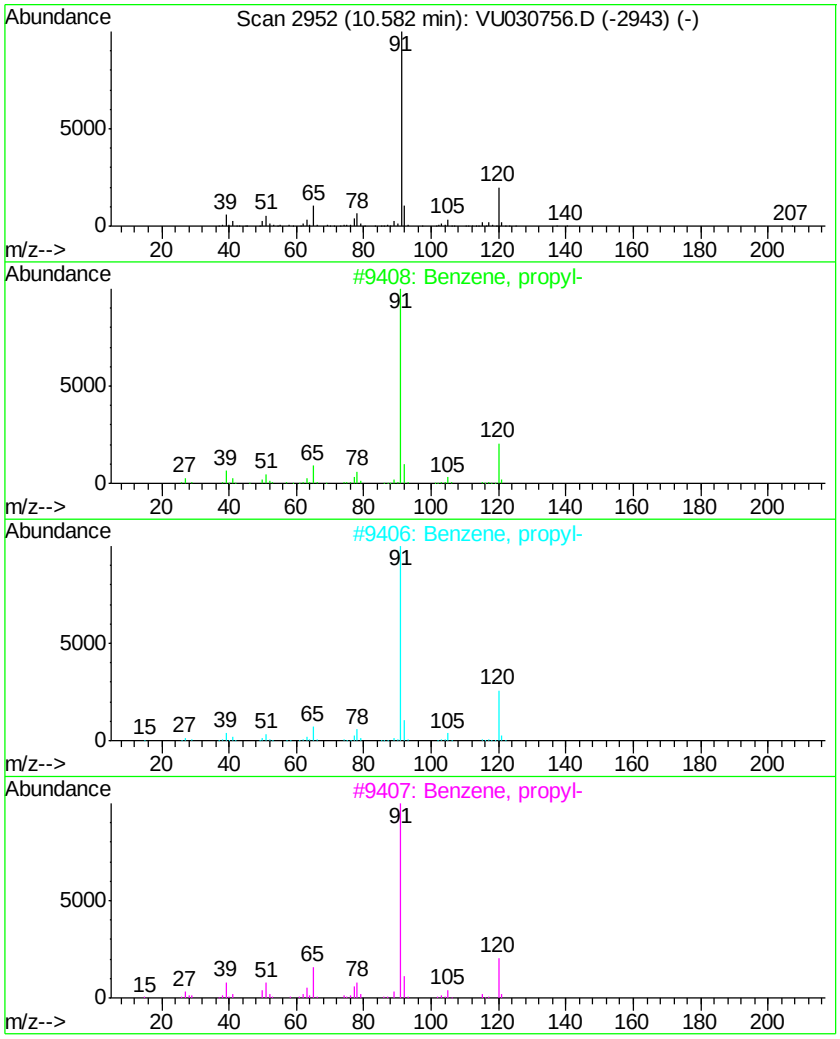
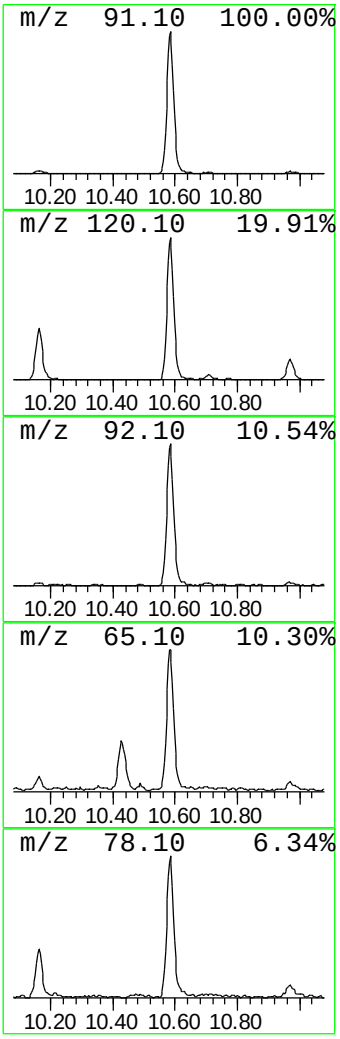
Peak Number 48 Benzene, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	25.22 ug/L	708108	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	81
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

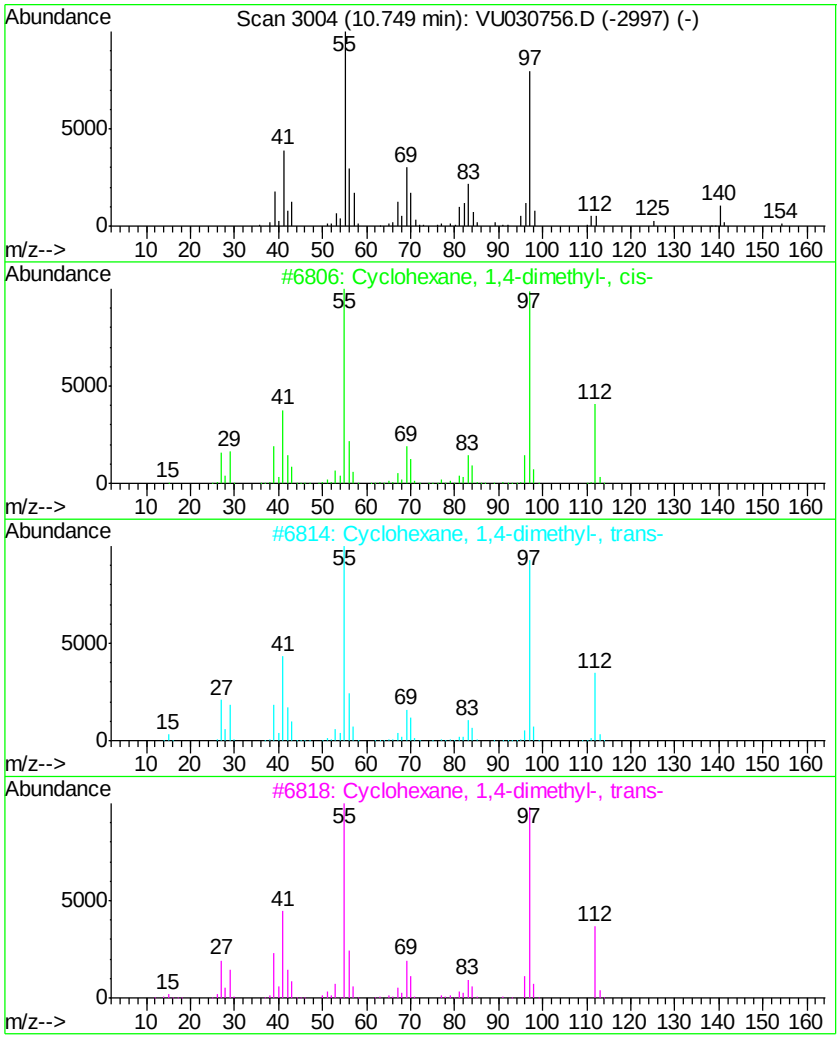
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

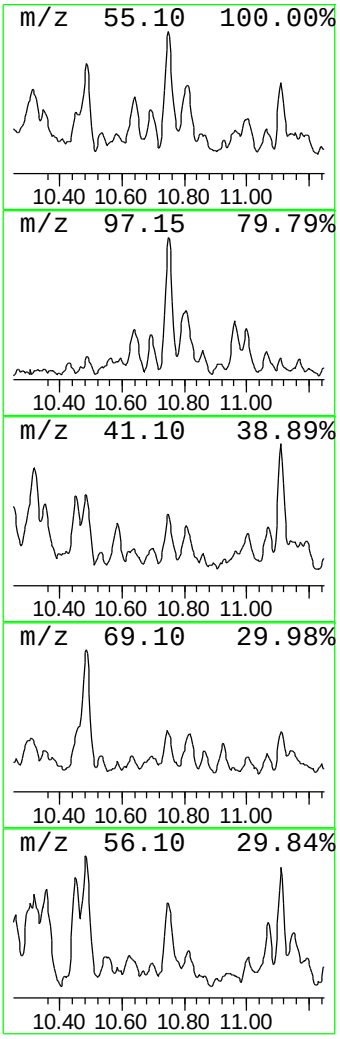
****

Peak Number 49 (DEL) Alkane: Cyclic10.75 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	4.08 ug/L	114552	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	70
5	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

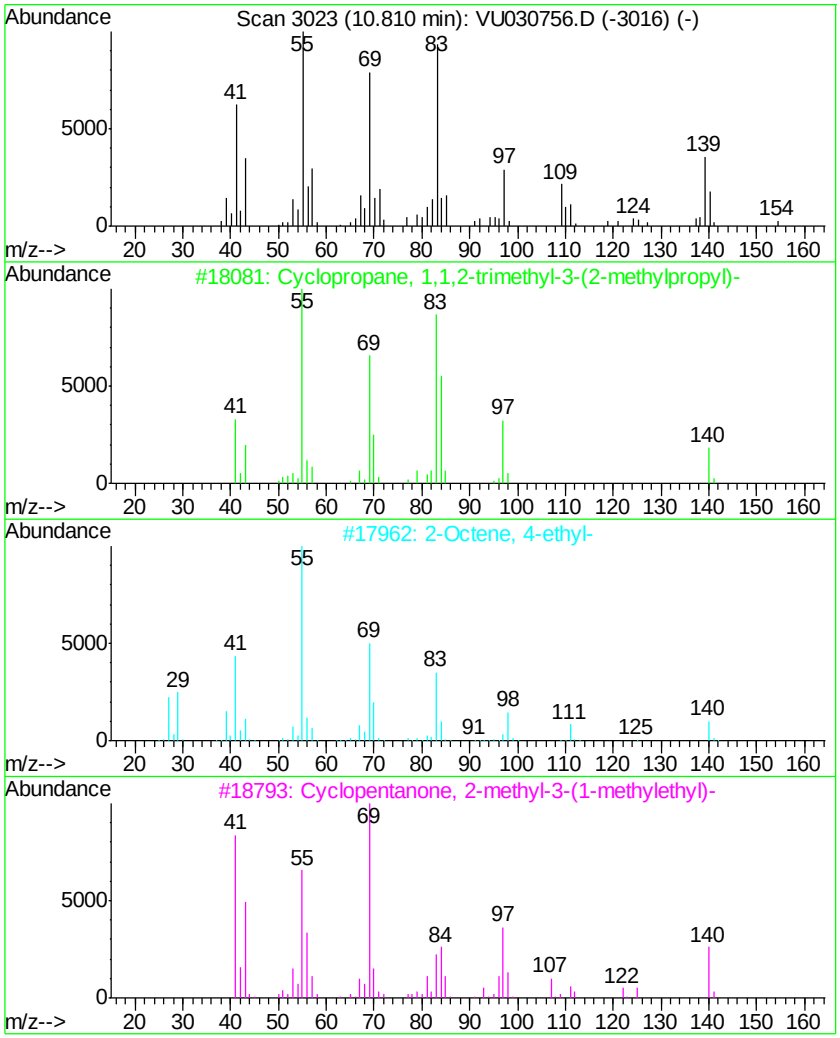
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

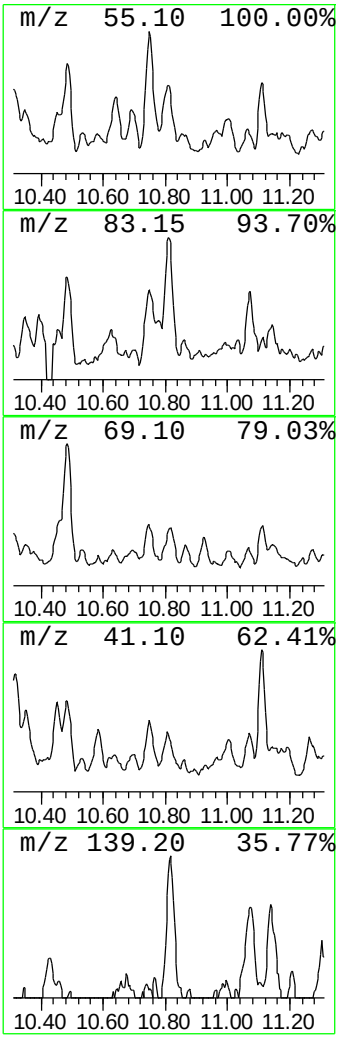
****

Peak Number 50 (DEL) Alkane: Cyclic10.81 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	3.22 ug/L	90445	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1,2-trimethyl-3-...	140	C10H20	041977-43-9	58
2	2-Octene, 4-ethyl-	140	C10H20	053966-52-2	46
3	Cyclopentanone, 2-methyl-3-(1-me...	140	C9H16O	054549-81-4	45
4	2-Methyl-3-ethyl-2-heptene	140	C10H20	019780-61-1	43
5	3-Ethyl-3-octene	140	C10H20	019781-31-8	41





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

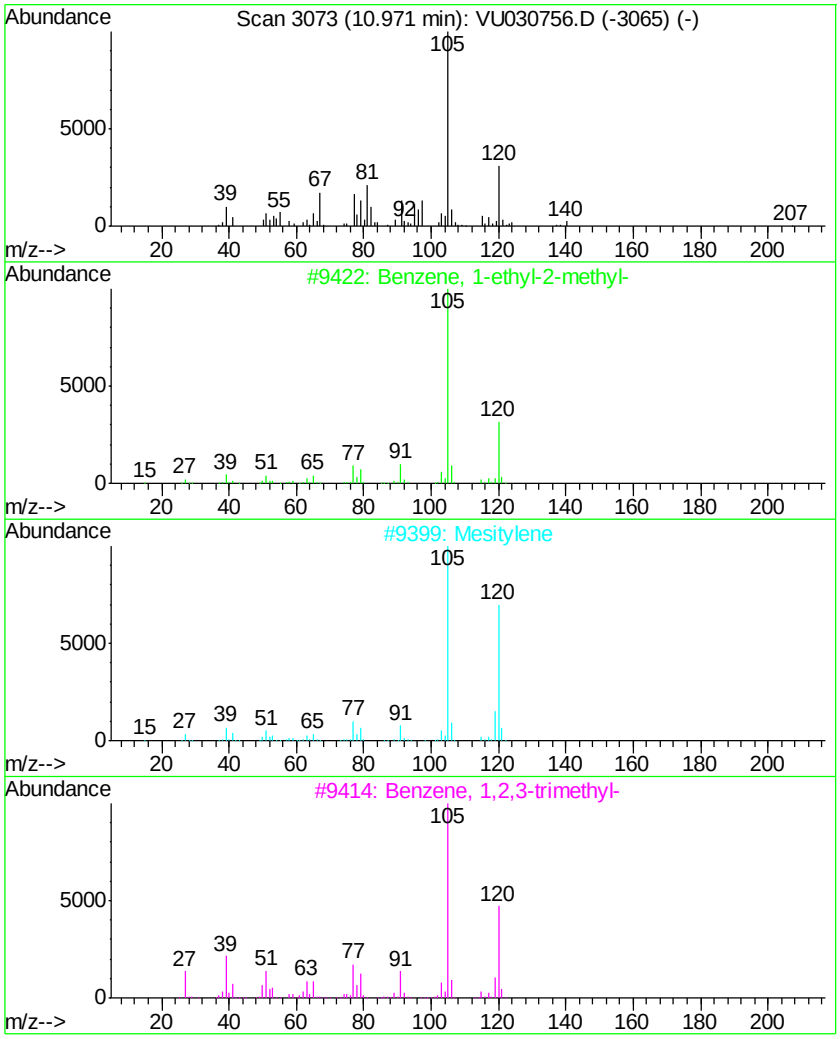
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

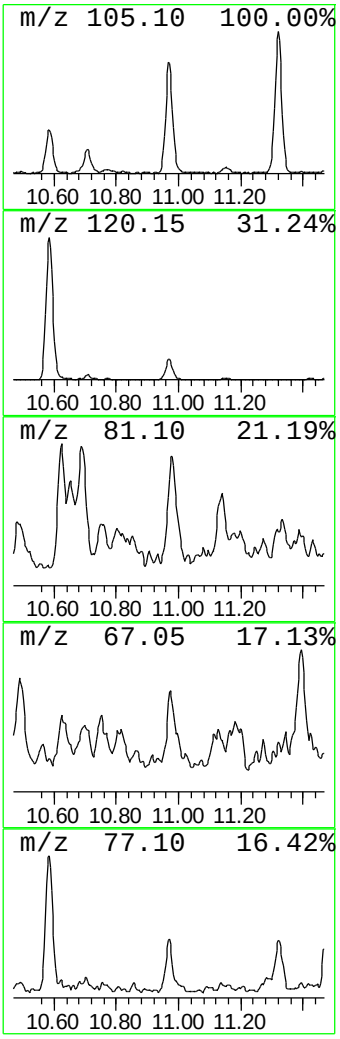
****

Peak Number 51 Benzene, 1-ethyl-2-methyl- Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	4.28 ug/L	120203	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	70
2	Mesitylene	120	C9H12	000108-67-8	70
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
4	Mesitylene	120	C9H12	000108-67-8	70
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

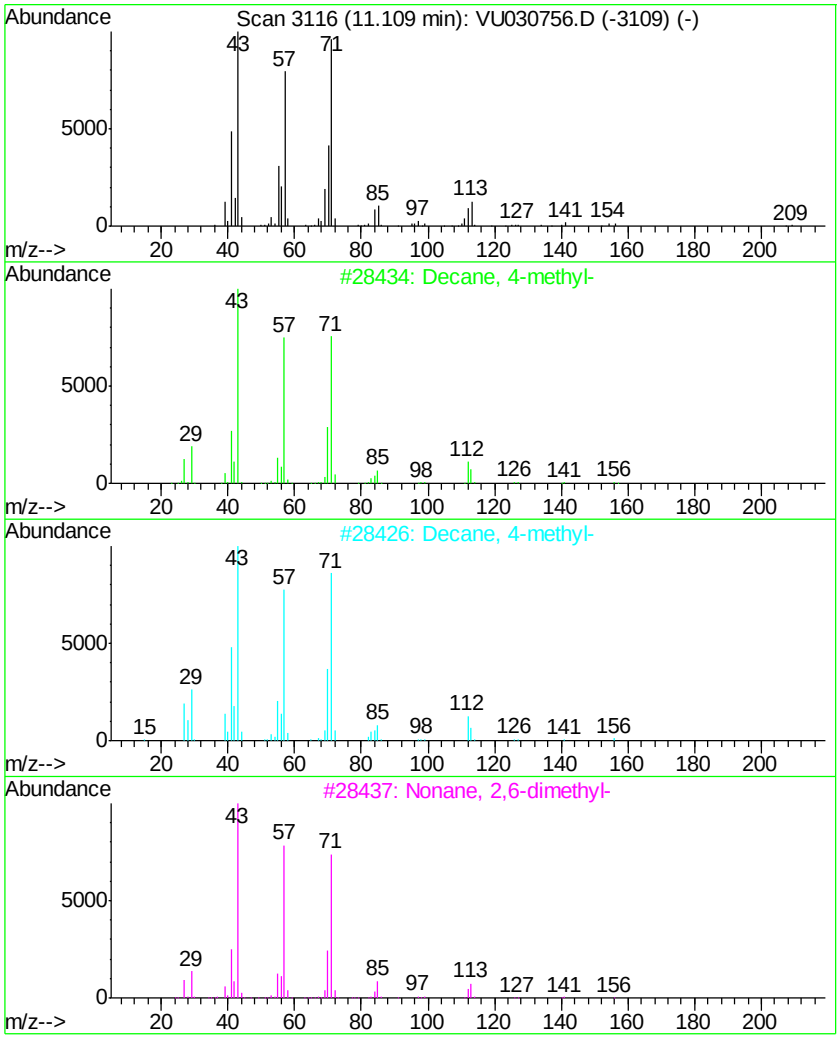
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

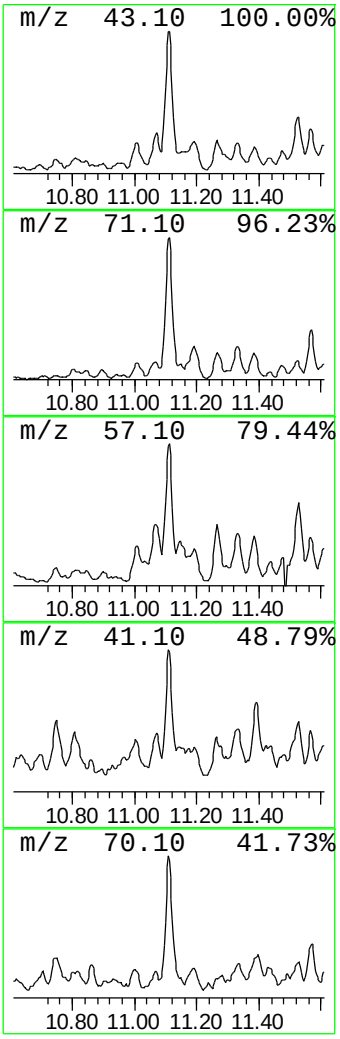
****

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	8.40 ug/L	235842	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	Decane, 4-methyl-	156	C11H24	002847-72-5	83
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
5	Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

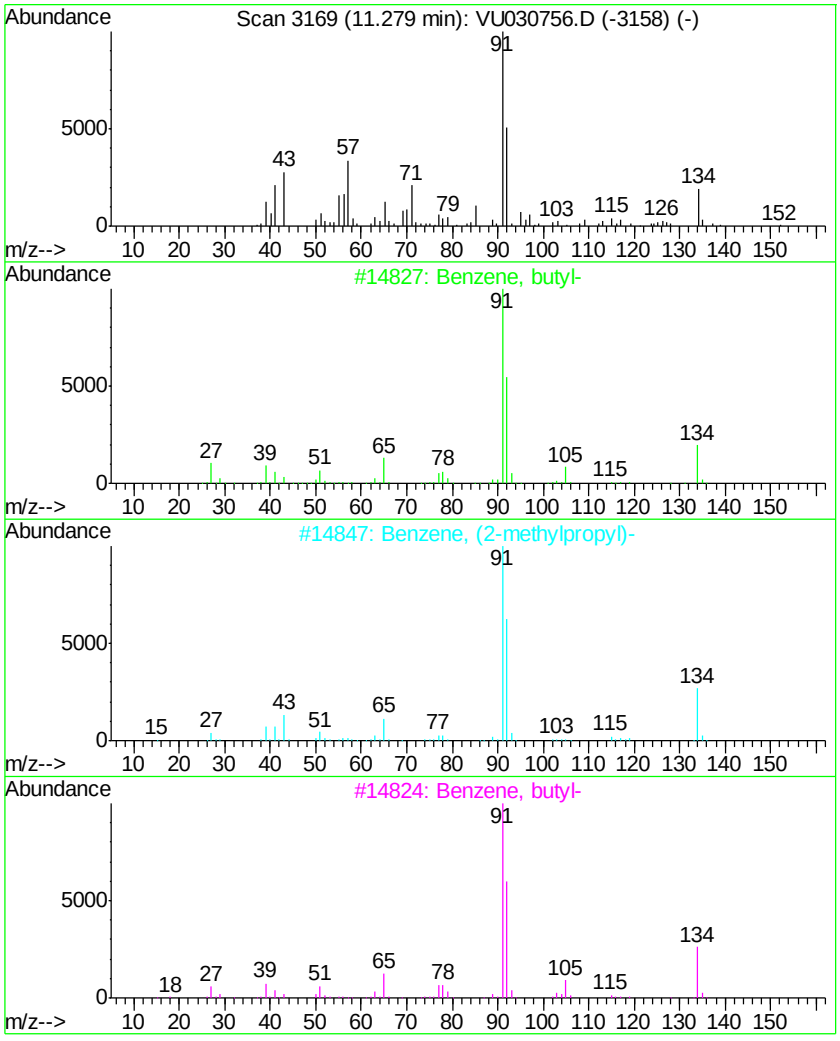
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

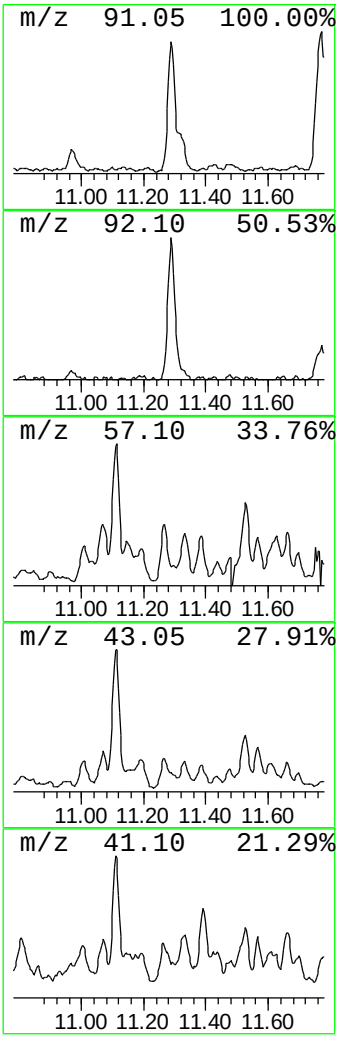
****

Peak Number 53 Benzene, butyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	5.66 ug/L	158790	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, butyl-	134	C10H14	000104-51-8	58
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	52
3	Benzene, butyl-	134	C10H14	000104-51-8	52
4	Benzene, butyl-	134	C10H14	000104-51-8	46
5	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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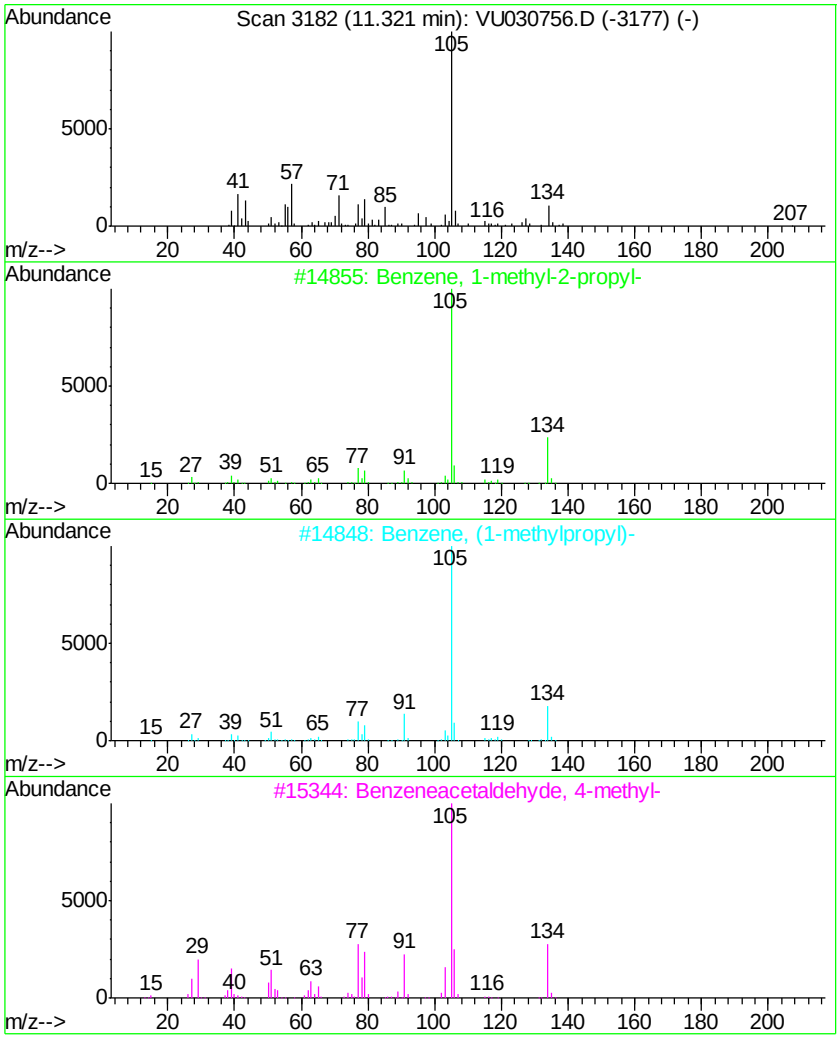
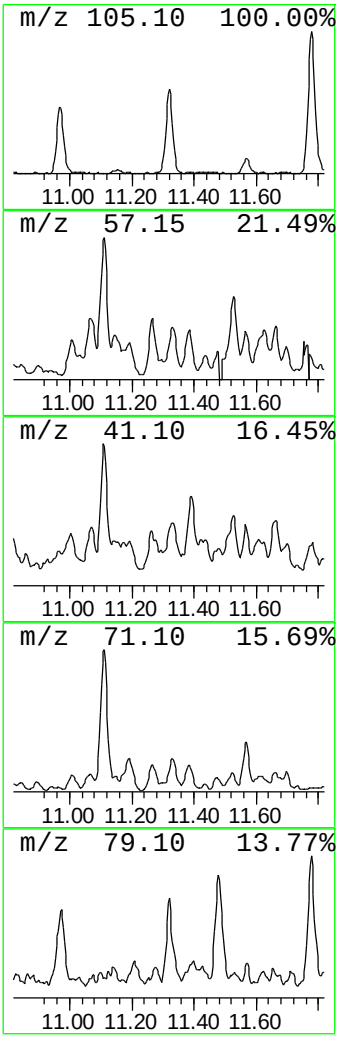
Peak Number 54 unknown-02 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	6.54 ug/L	183654	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	43
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	43
3	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	43
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	41
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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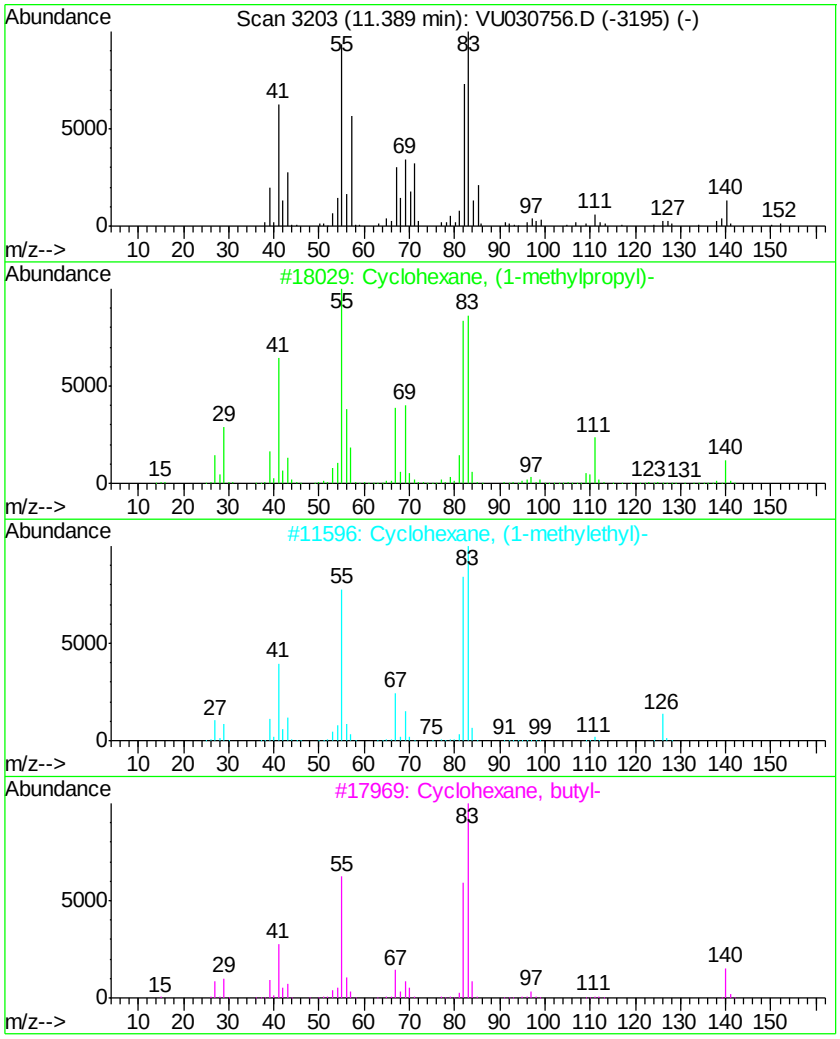
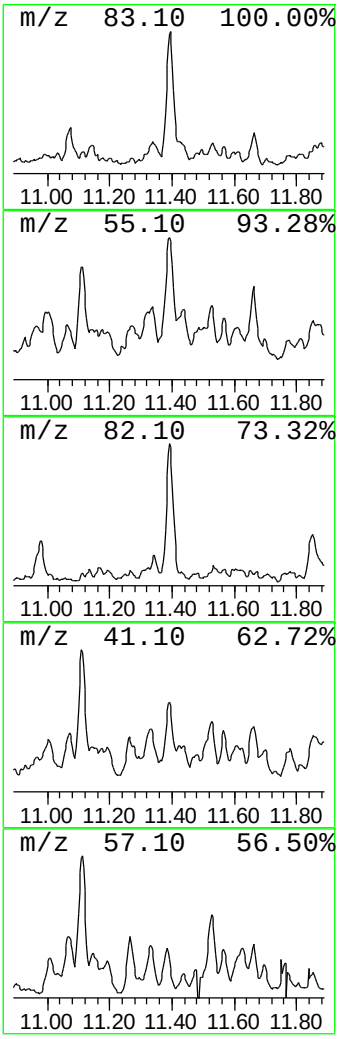
Peak Number 55 (DEL) Alkane: Cyclic11.39 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	5.39 ug/L	151200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	74
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	68
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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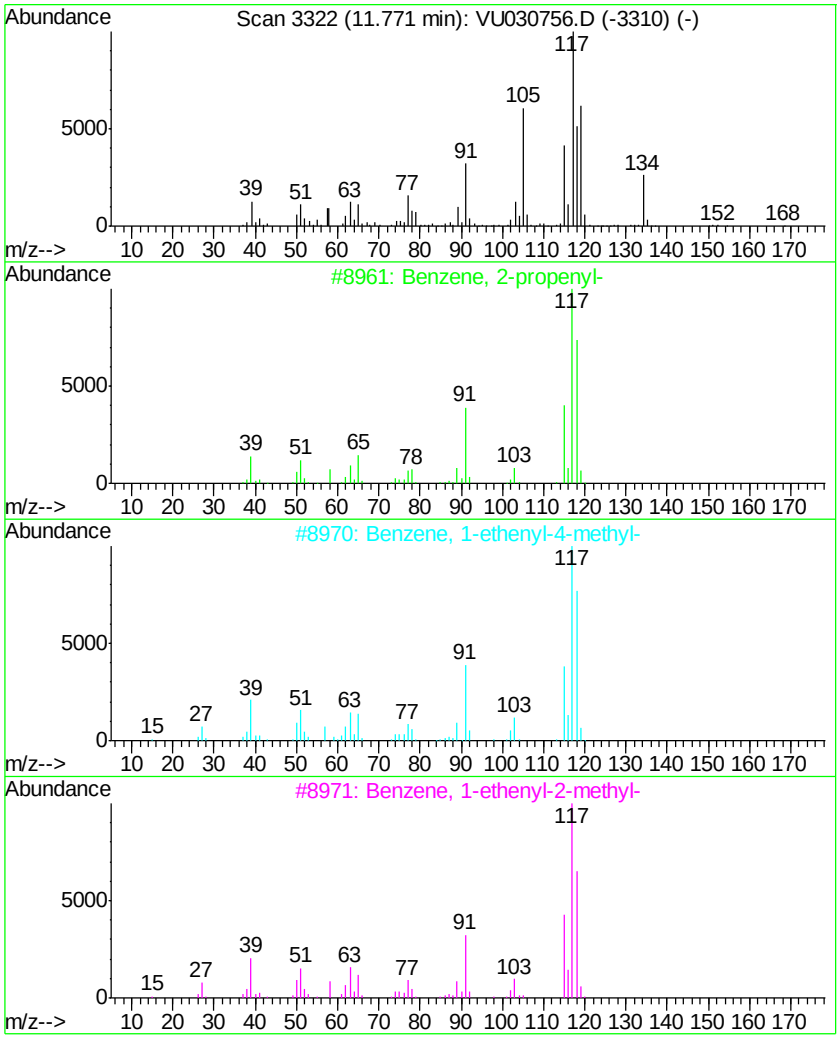
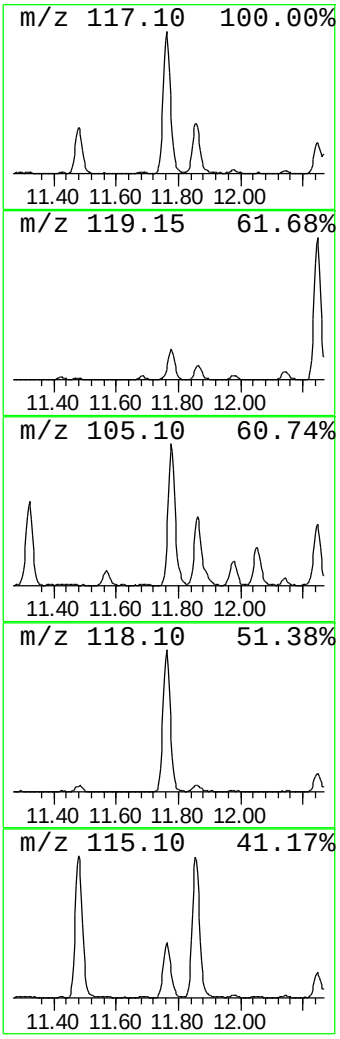
Peak Number 56 Benzene, 2-propenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	27.70 ug/L	777583	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	91
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	86
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	78
4	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	78
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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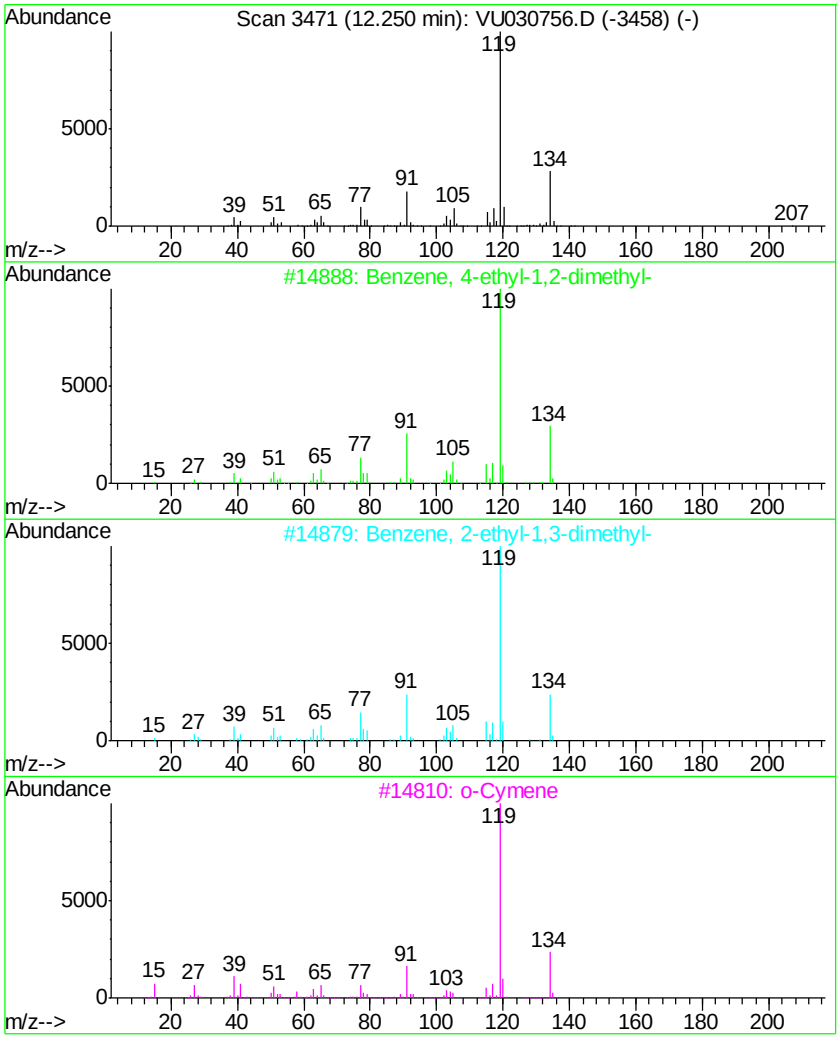
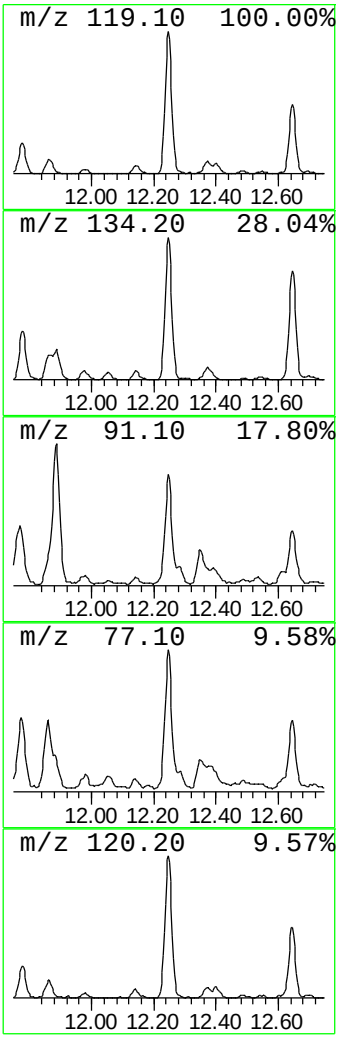
Peak Number 57 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	30.69 ug/L	861628	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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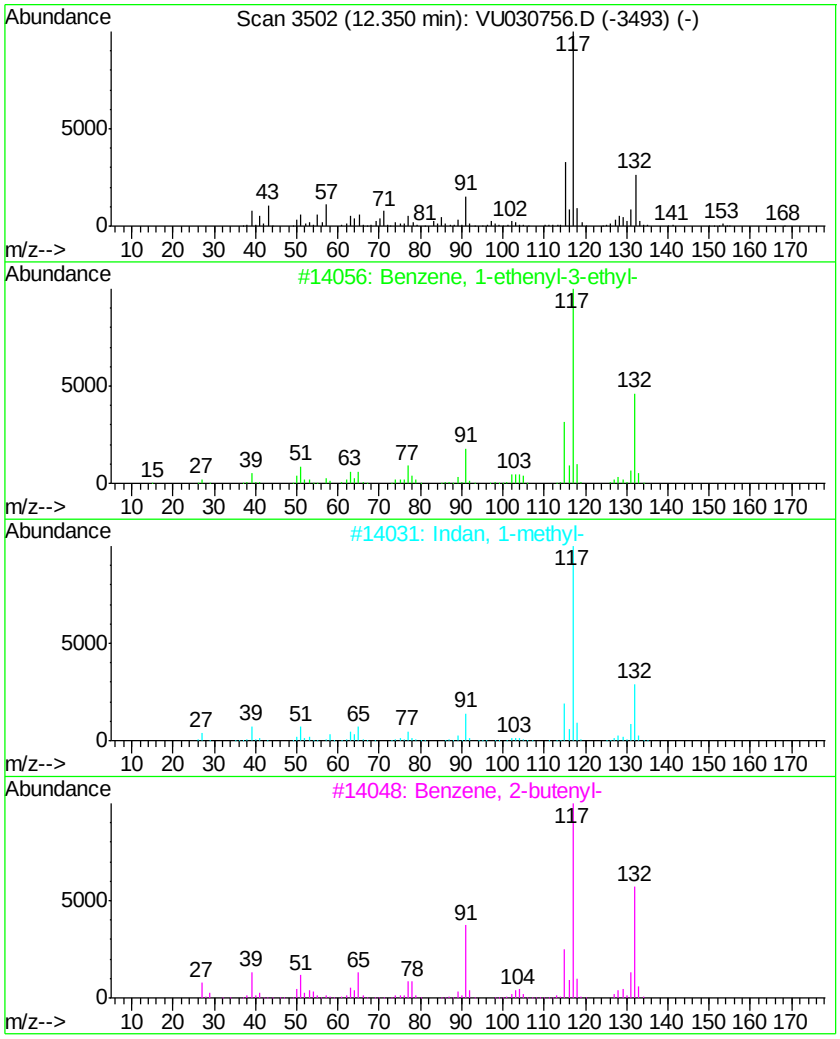
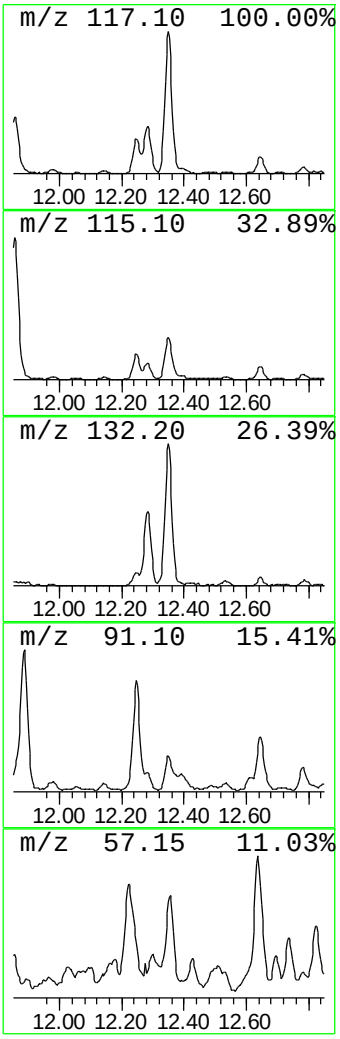
Peak Number 58 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	21.52 ug/L	604203	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	80
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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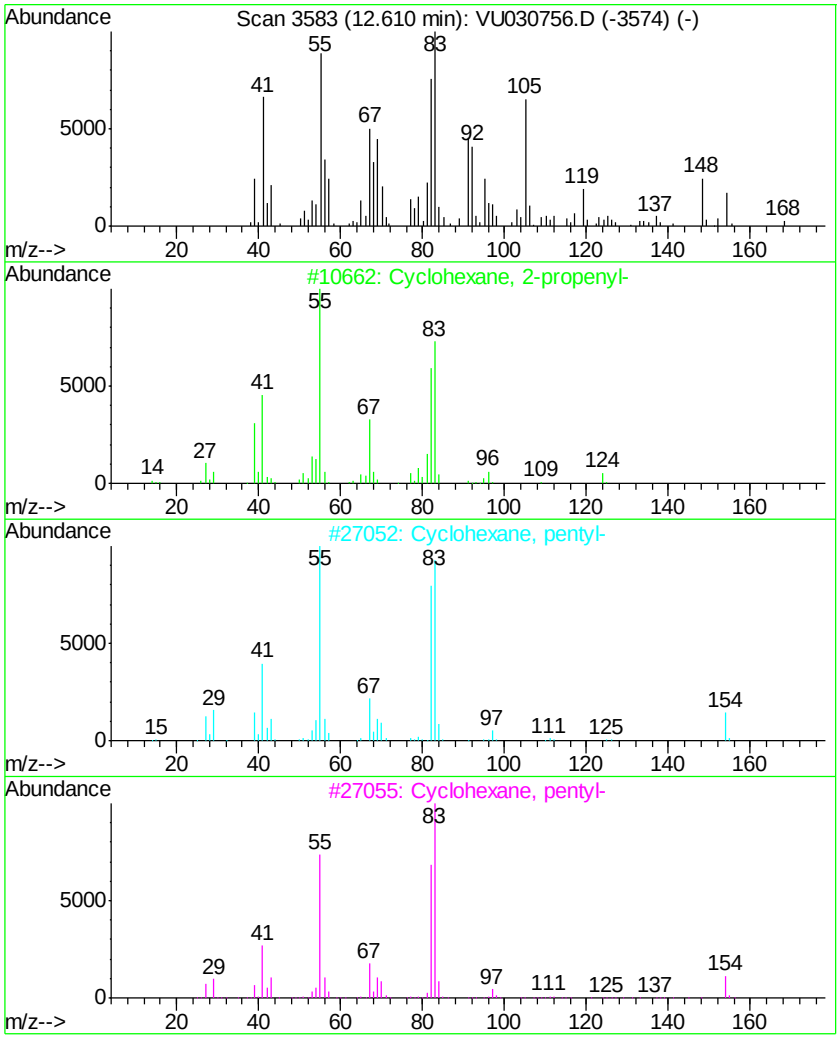
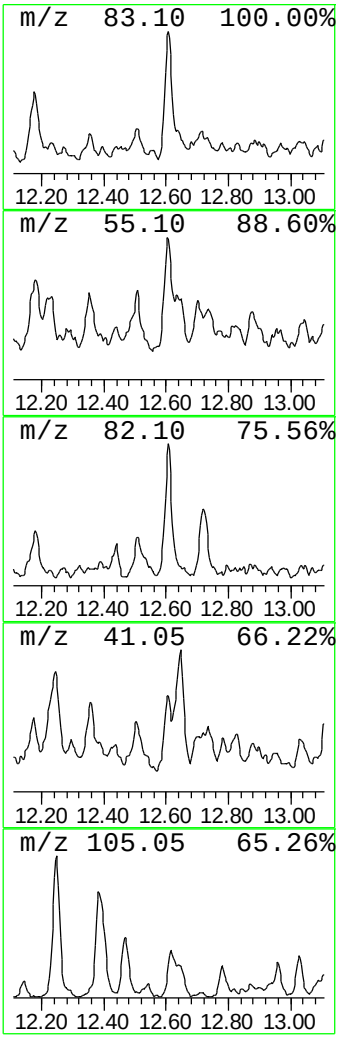
Peak Number 59 Cyclohexane, 2-propenyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	5.31 ug/L	149105	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	46
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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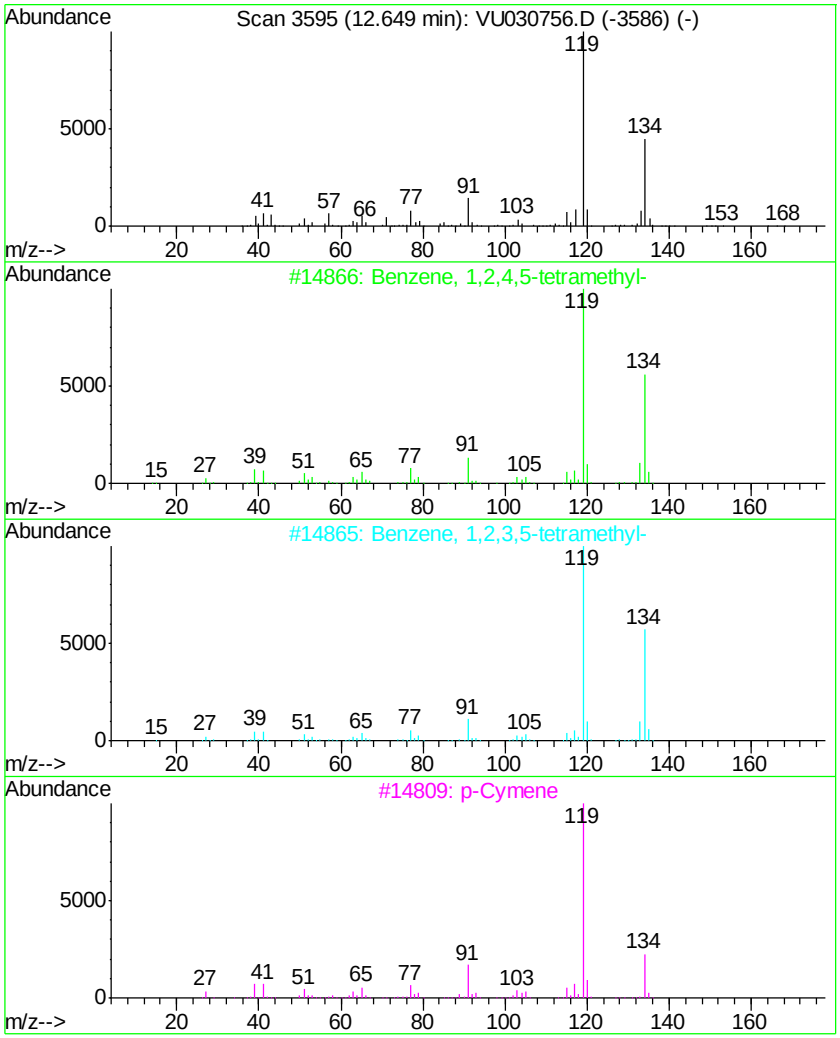
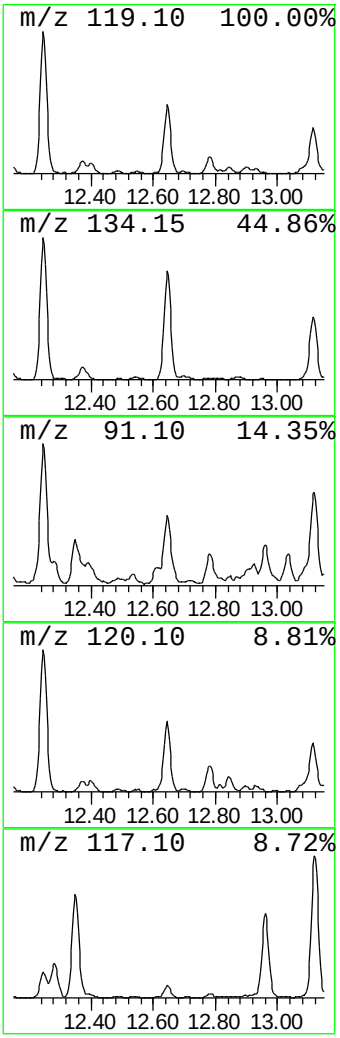
Peak Number 60 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	20.19 ug/L	566836	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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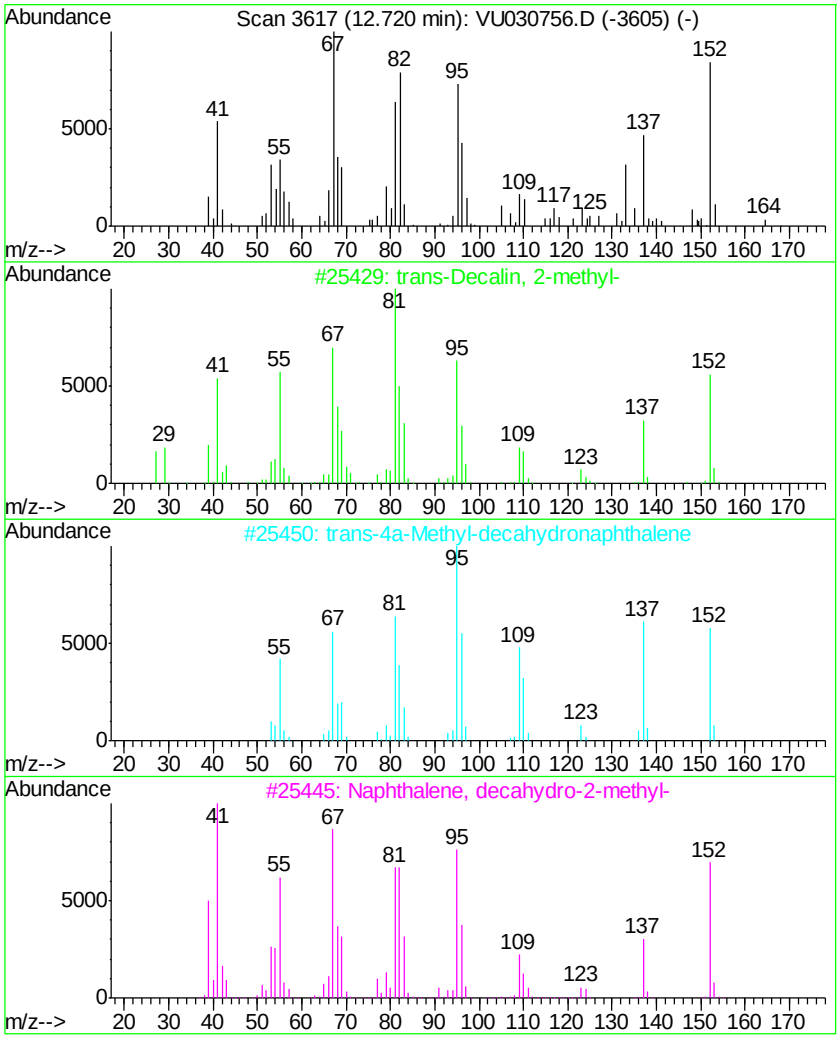
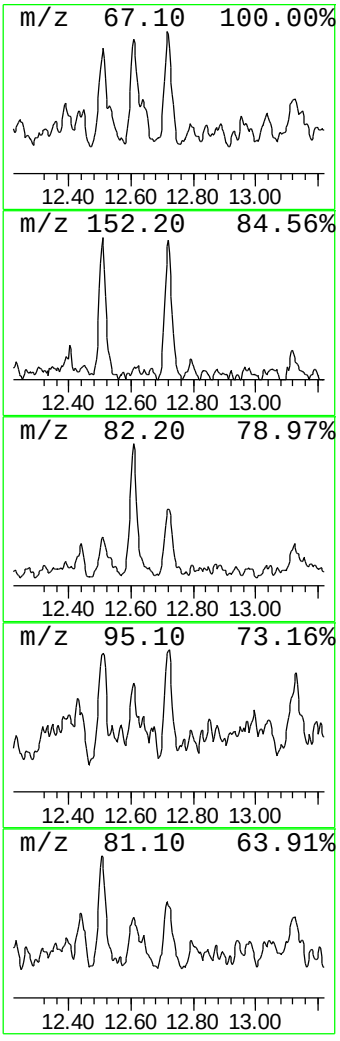
Peak Number 61 trans-Decalin, 2-methyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	5.33 ug/L	149517	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	87
2	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	81
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	80
4	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	80
5	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

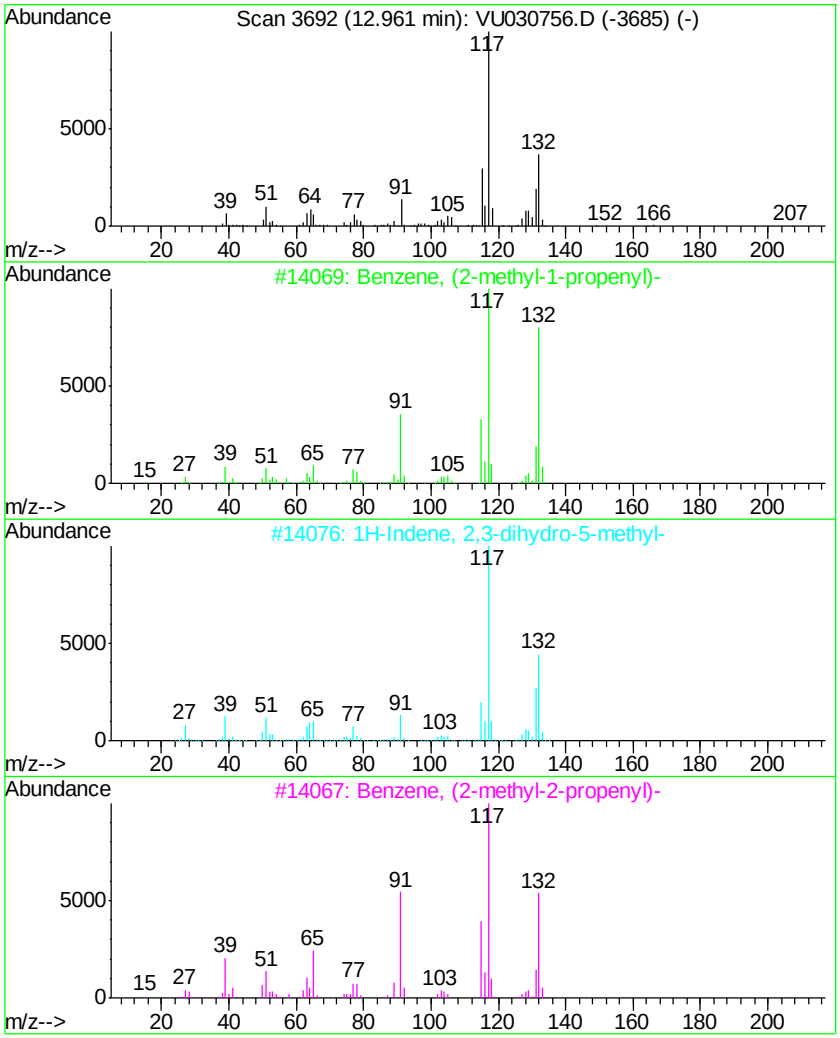
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

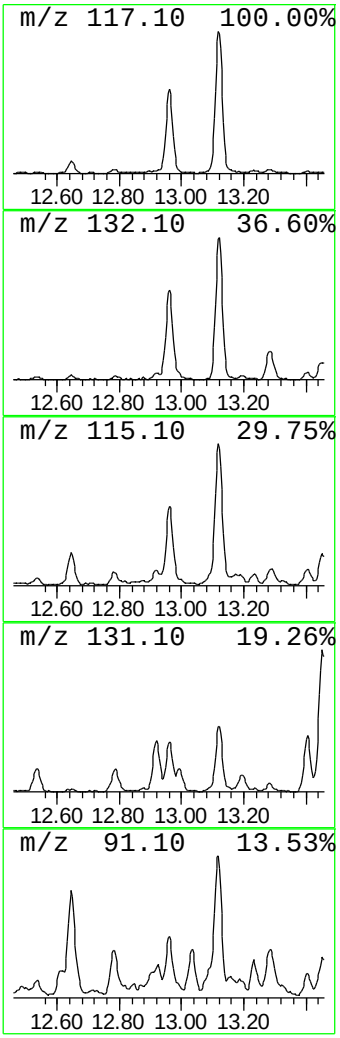
****

Peak Number 63 Benzene, (2-methyl-1-propen... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	12.92 ug/L	362732	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	83
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	72





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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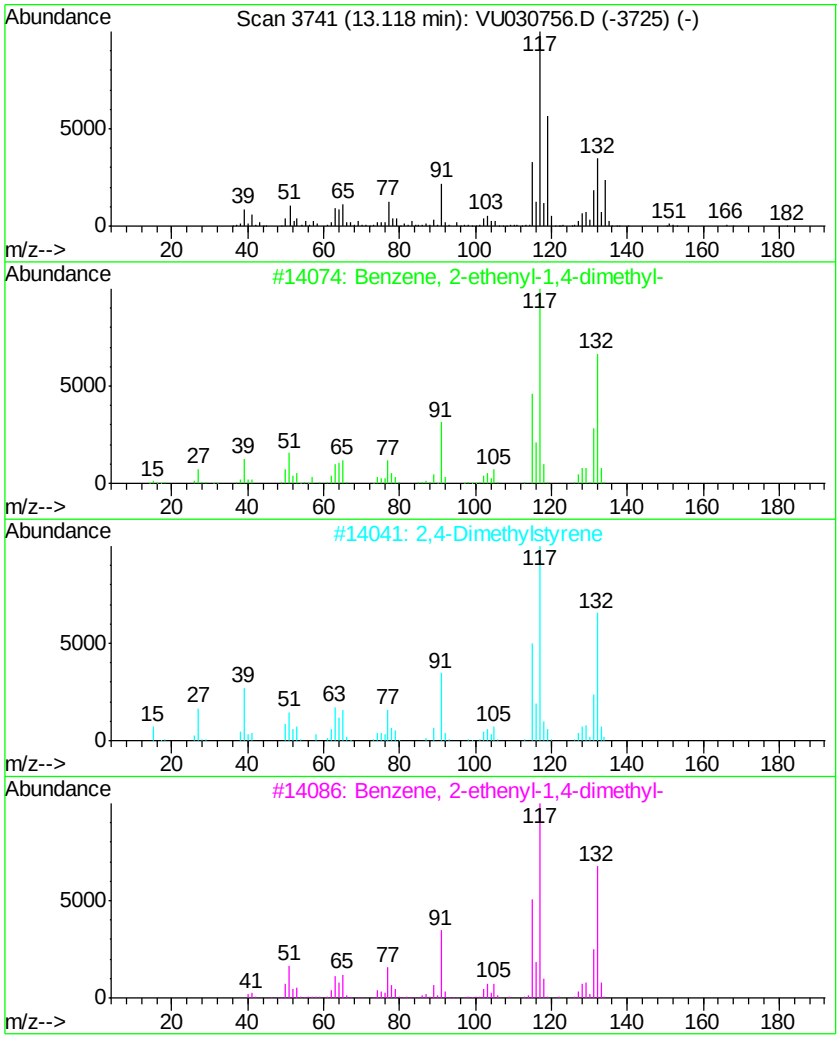
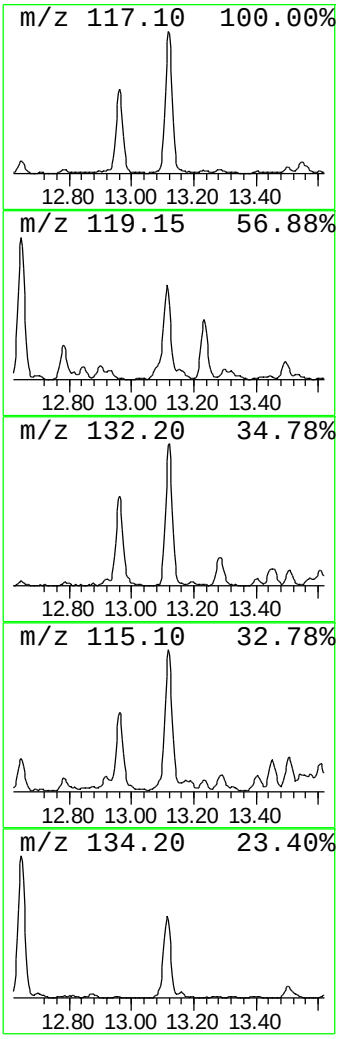
Peak Number 64 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	32.75 ug/L	919549	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	90
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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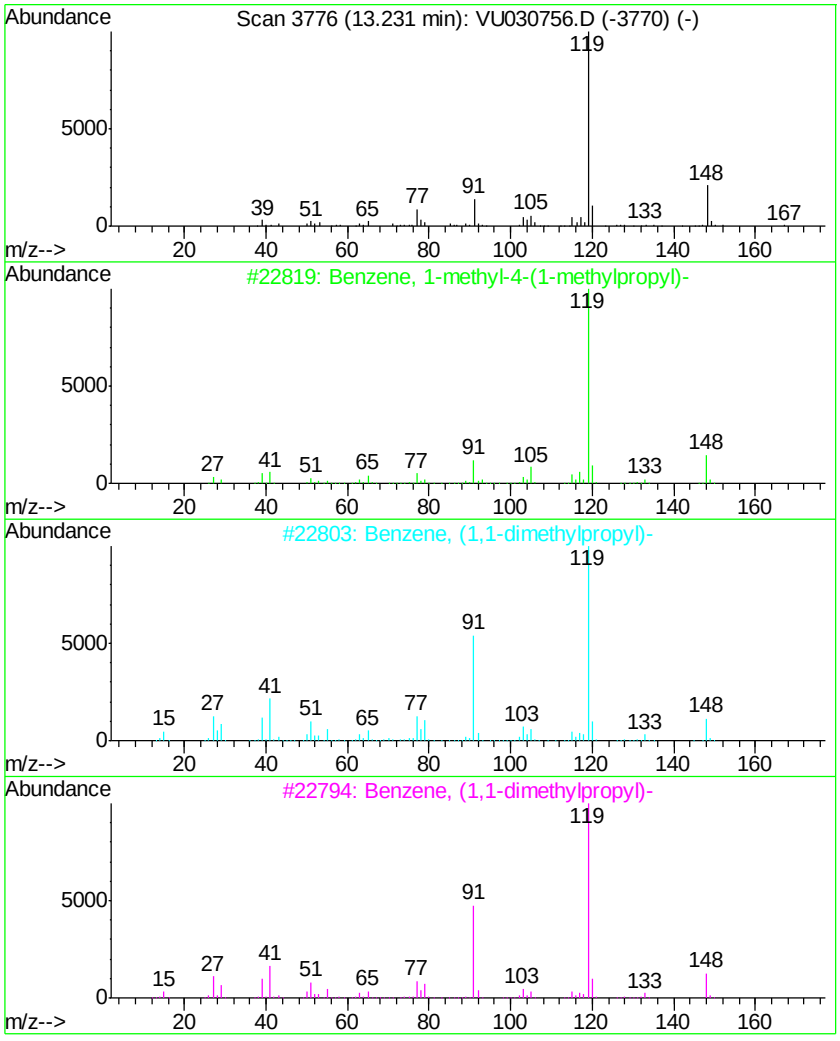
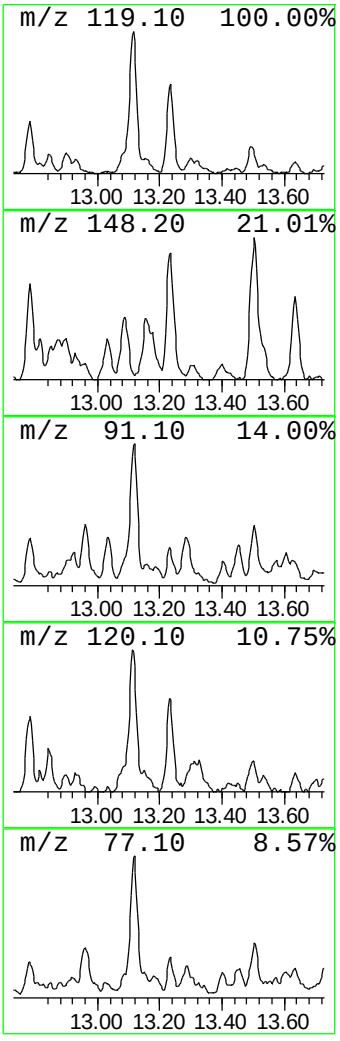
Peak Number 65 Benzene, 1-methyl-4-(1-meth... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	3.37 ug/L	94668	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	90
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	83
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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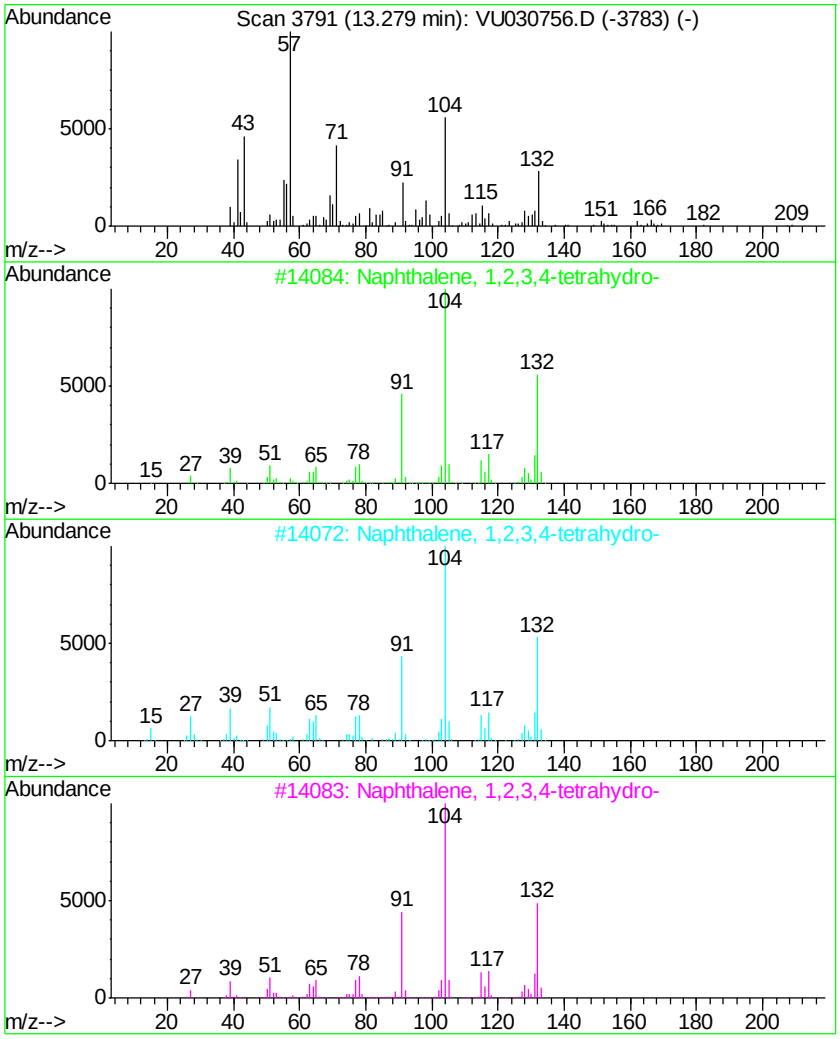
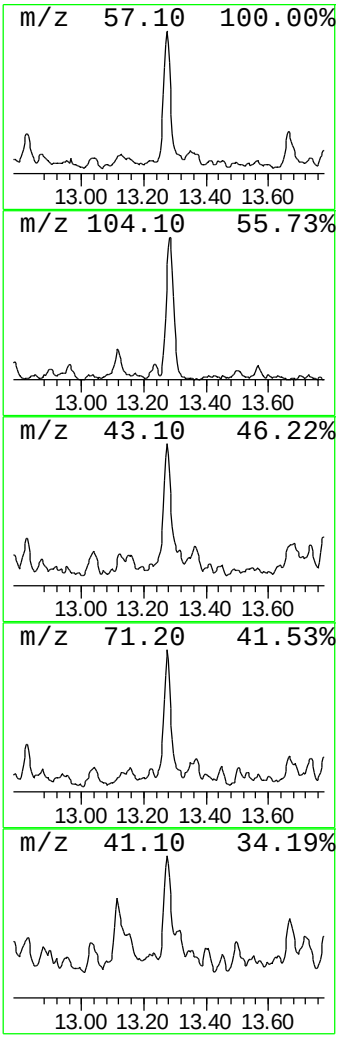
Peak Number 66 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	16.58 ug/L	465494	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	80
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	80
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	80
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	35
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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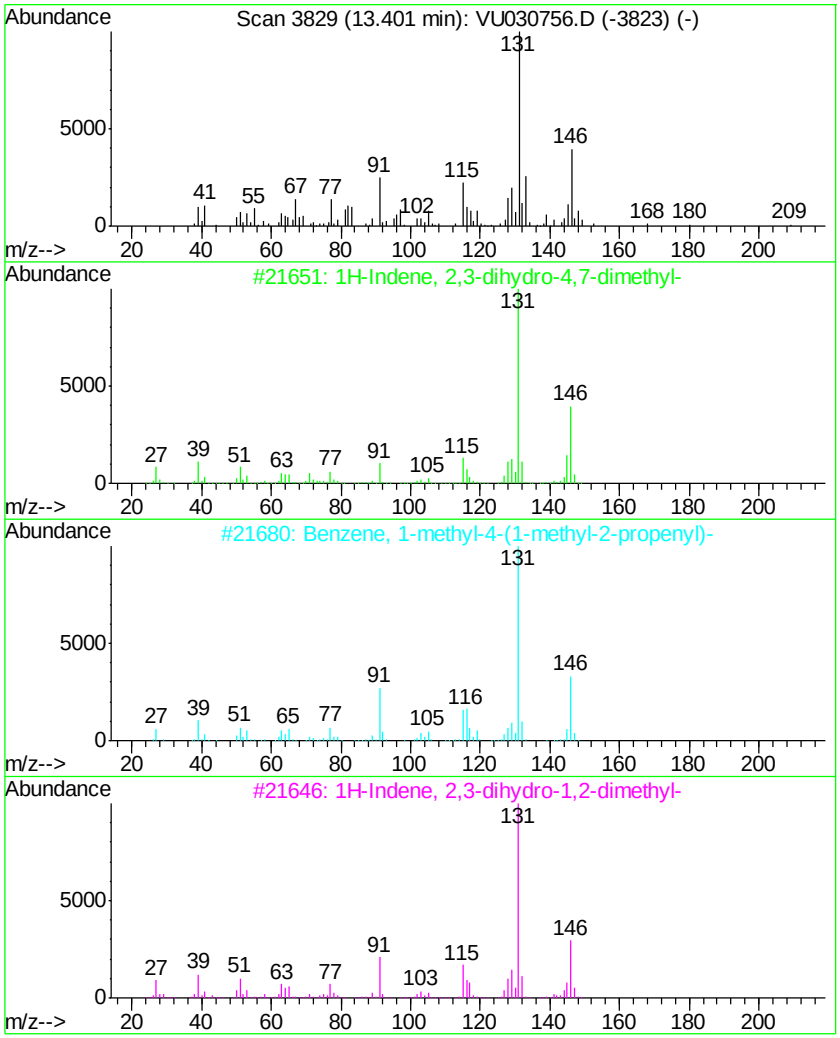
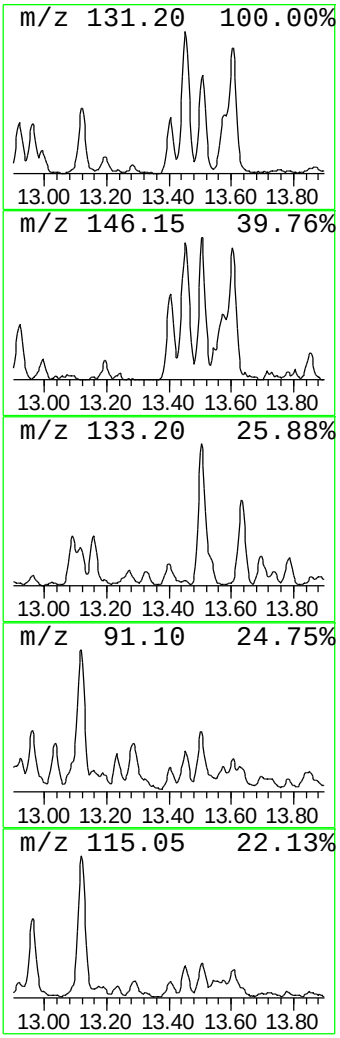
Peak Number 67 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	3.80 ug/L	106817	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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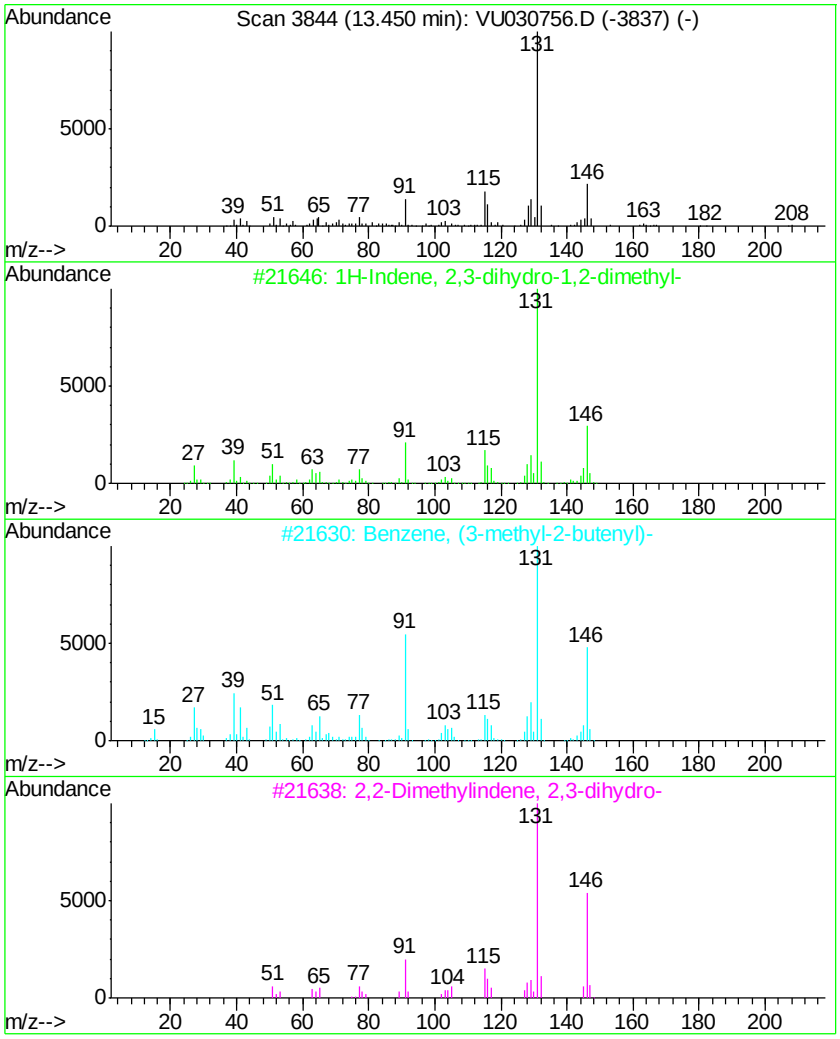
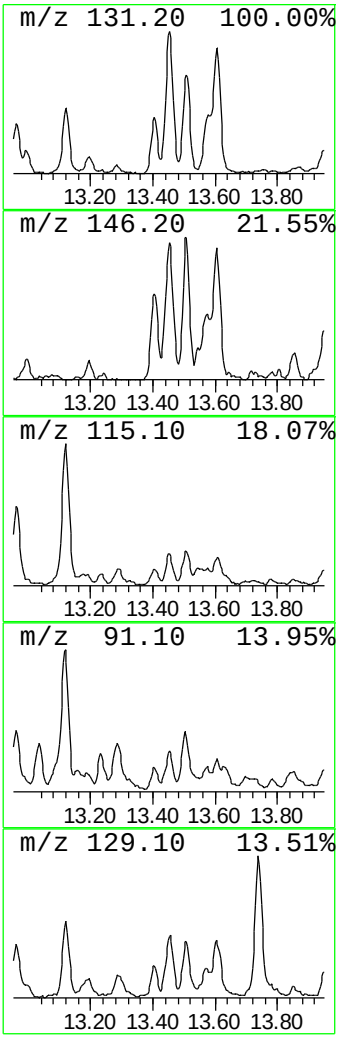
Peak Number 68 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	6.21 ug/L	174307	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





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Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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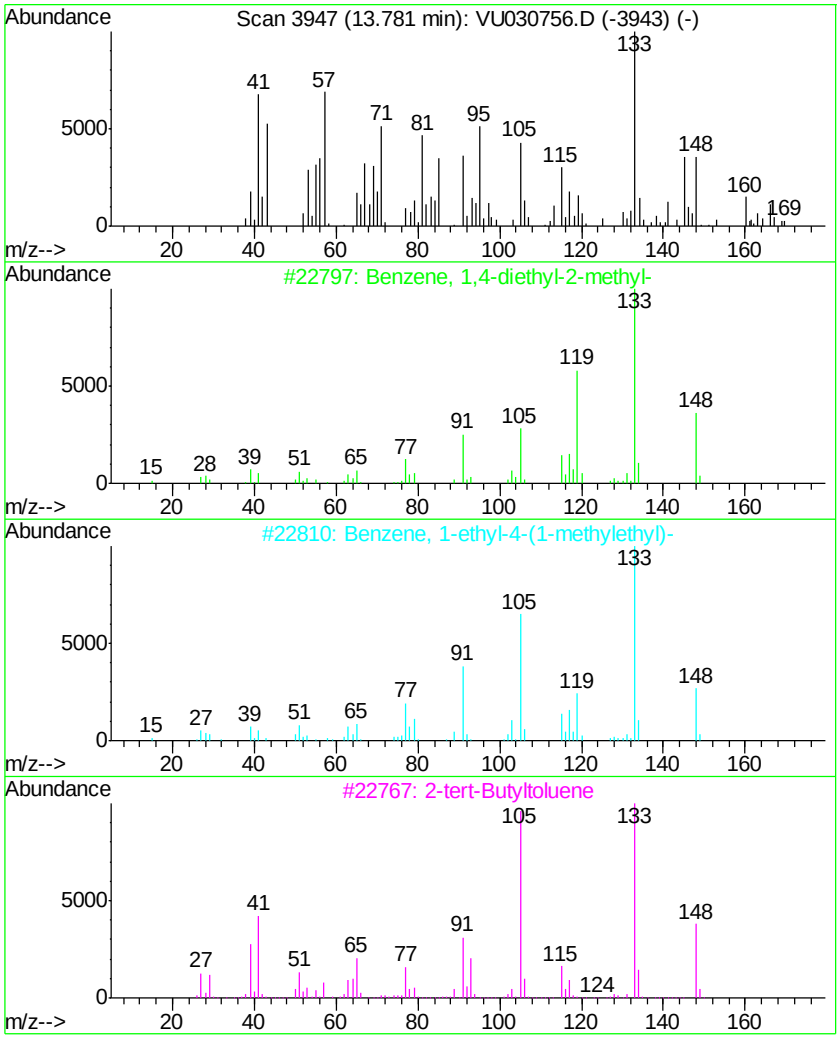
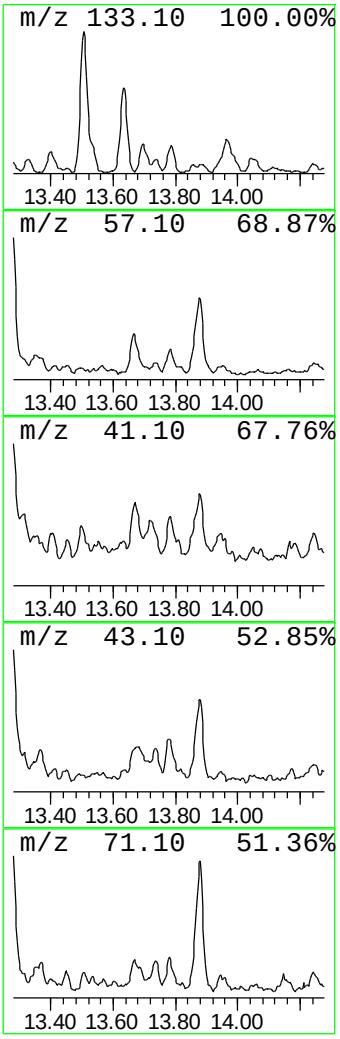
Peak Number 71 unknown-03 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	3.92 ug/L	109986	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	43
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43
3	2-tert-Butyltoluene	148	C11H16	001074-92-6	38
4	Pyrazine, 2,5-dimethyl-3-(1-prop...	148	C9H12N2	055138-73-3	38
5	4-tert-Butyltoluene	148	C11H16	000098-51-1	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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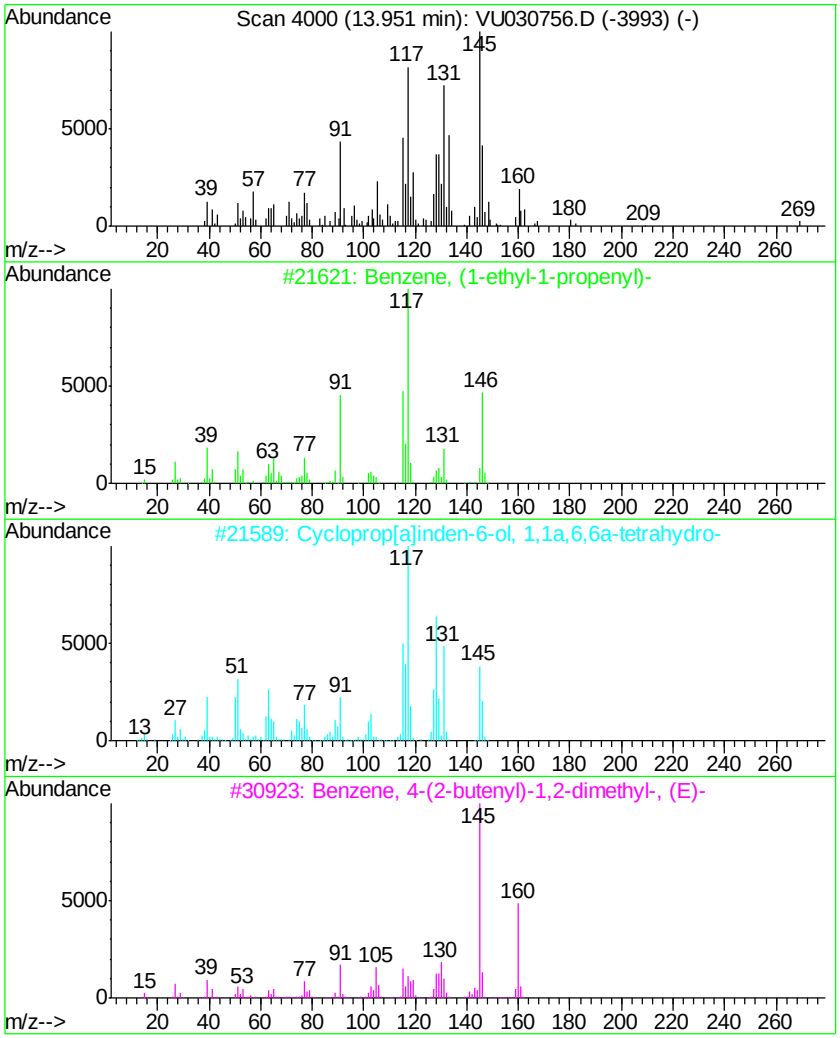
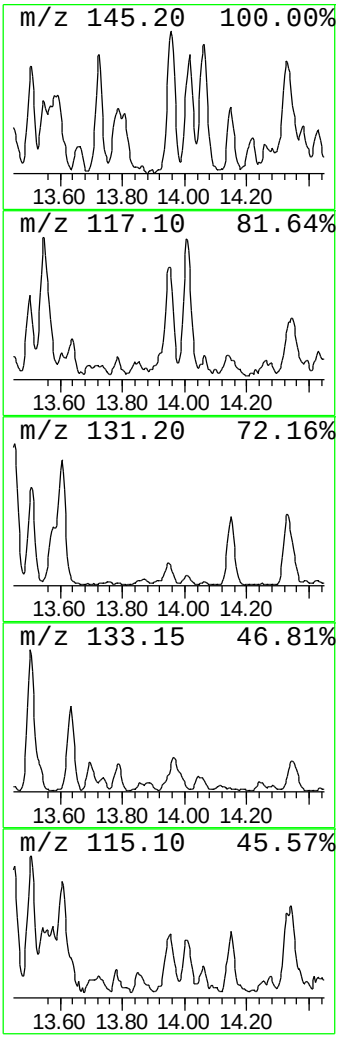
Peak Number 72 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.96 ug/L	111300	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	70
2	Cycloprop[a]inden-6-ol, 1,1a,6,6...	146	C10H10O	022228-27-9	58
3	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	46
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	45
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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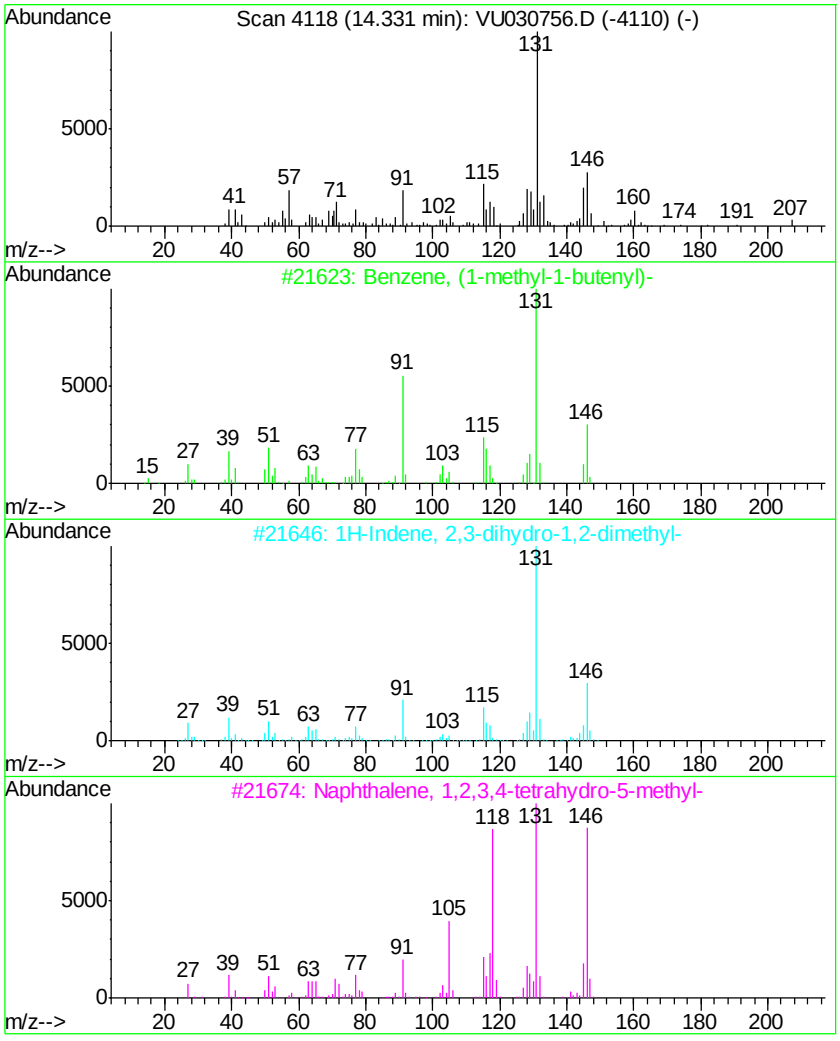
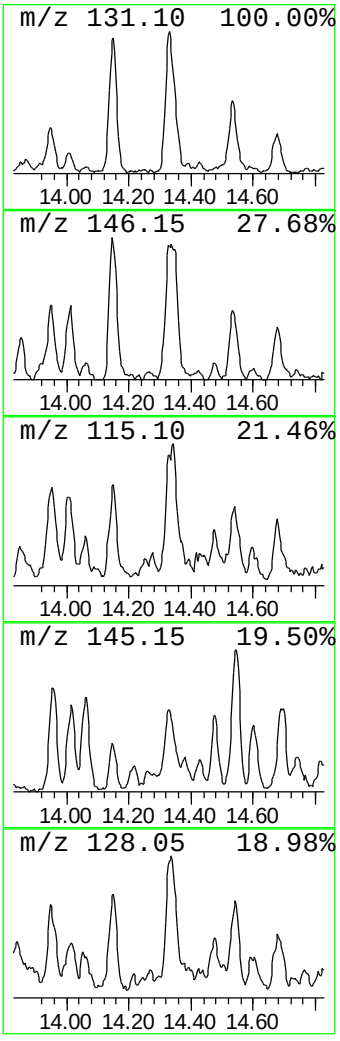
Peak Number 74 Benzene, (1-methyl-1-butenyl)- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	7.95 ug/L	223261	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	68
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	62
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	62
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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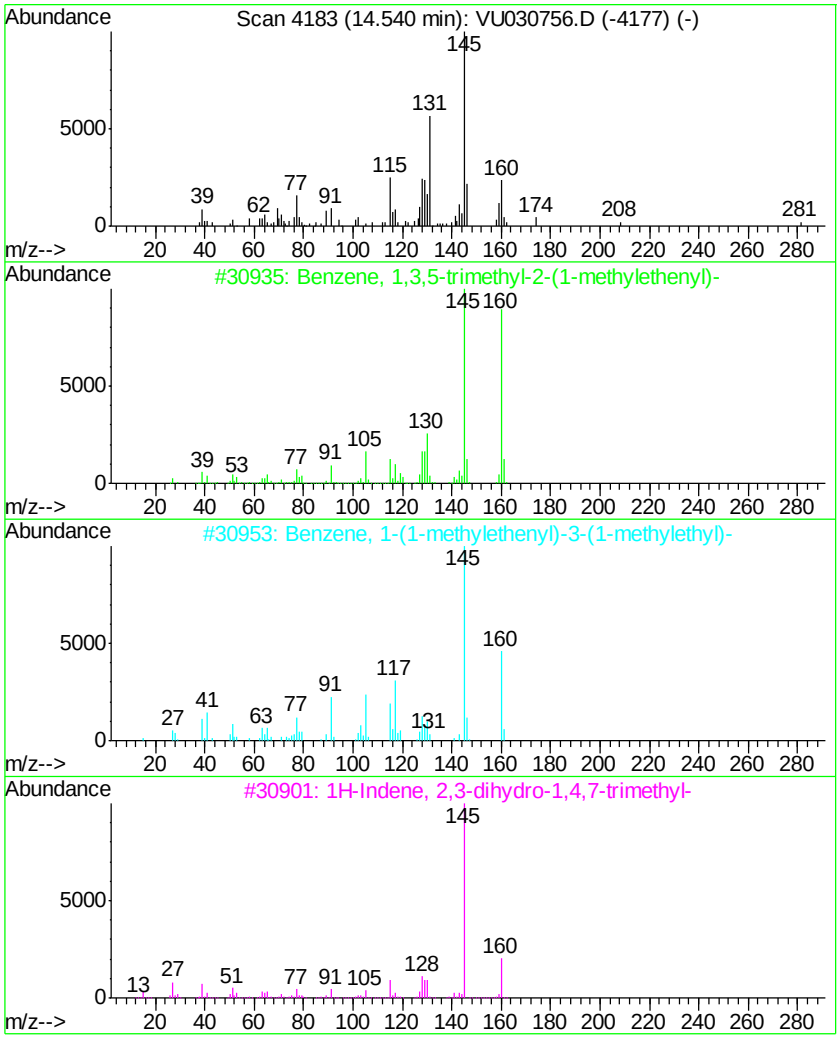
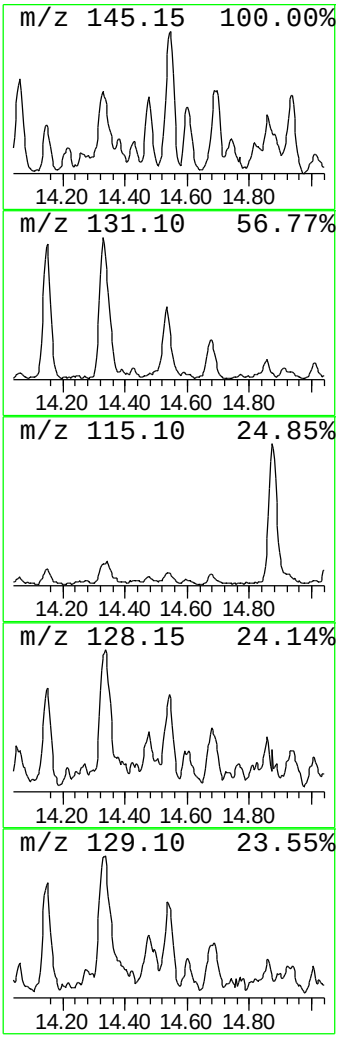
Peak Number 75 unknown-04 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	3.95 ug/L	110788	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	49
2	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	43
3	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	43
4	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	43
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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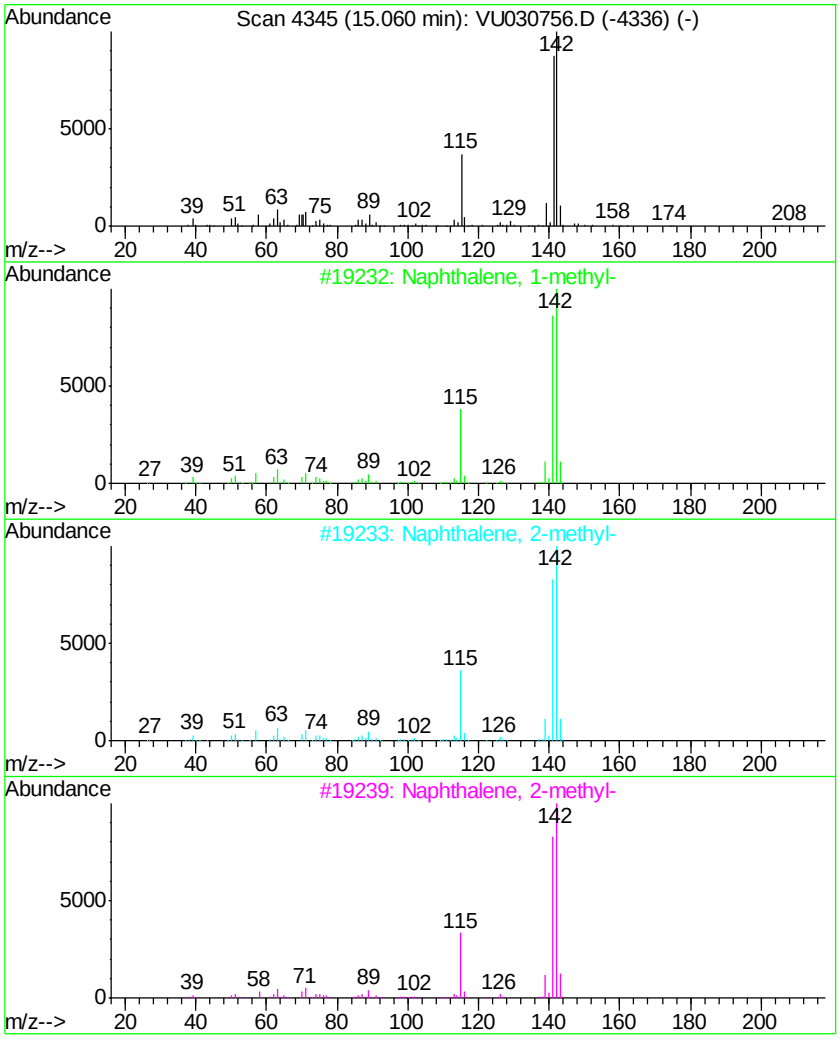
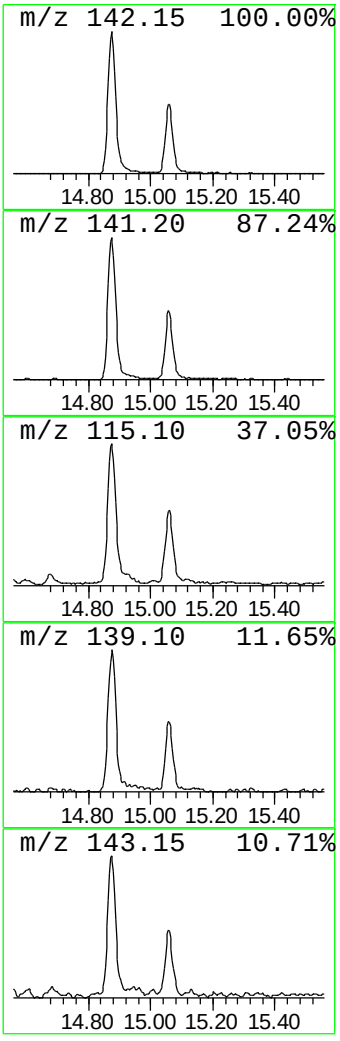
Peak Number 77 Naphthalene, 1-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	9.37 ug/L	263094	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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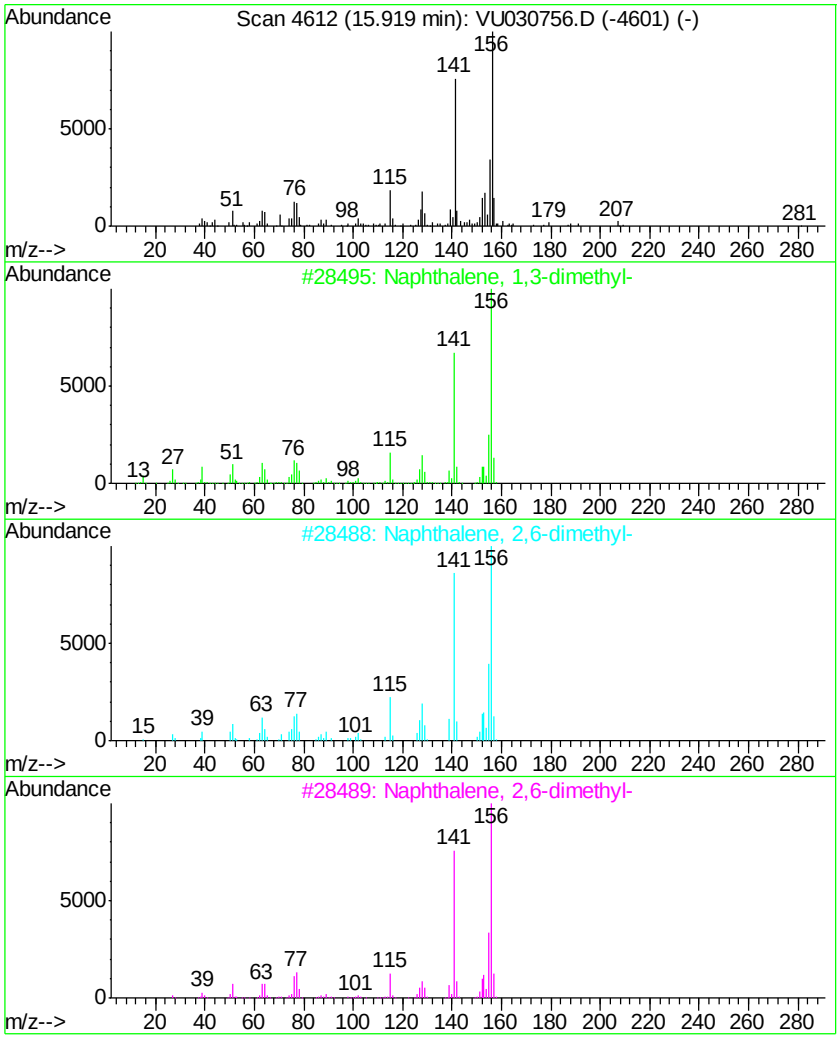
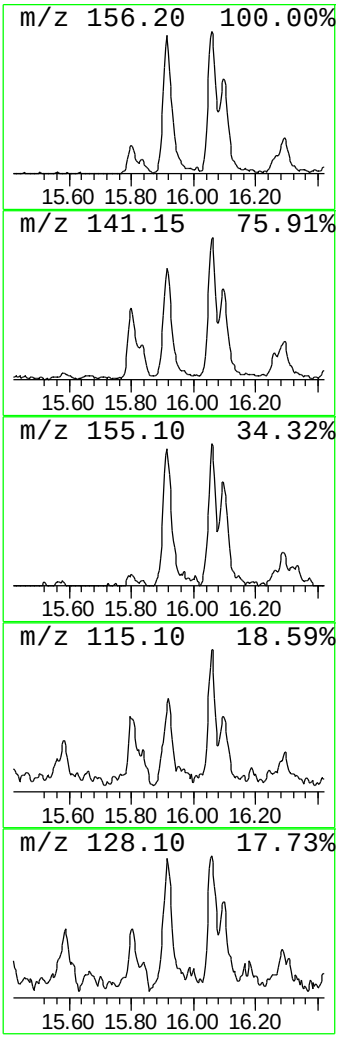
Peak Number 78 Naphthalene, 1,3-dimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	6.22 ug/L	174587	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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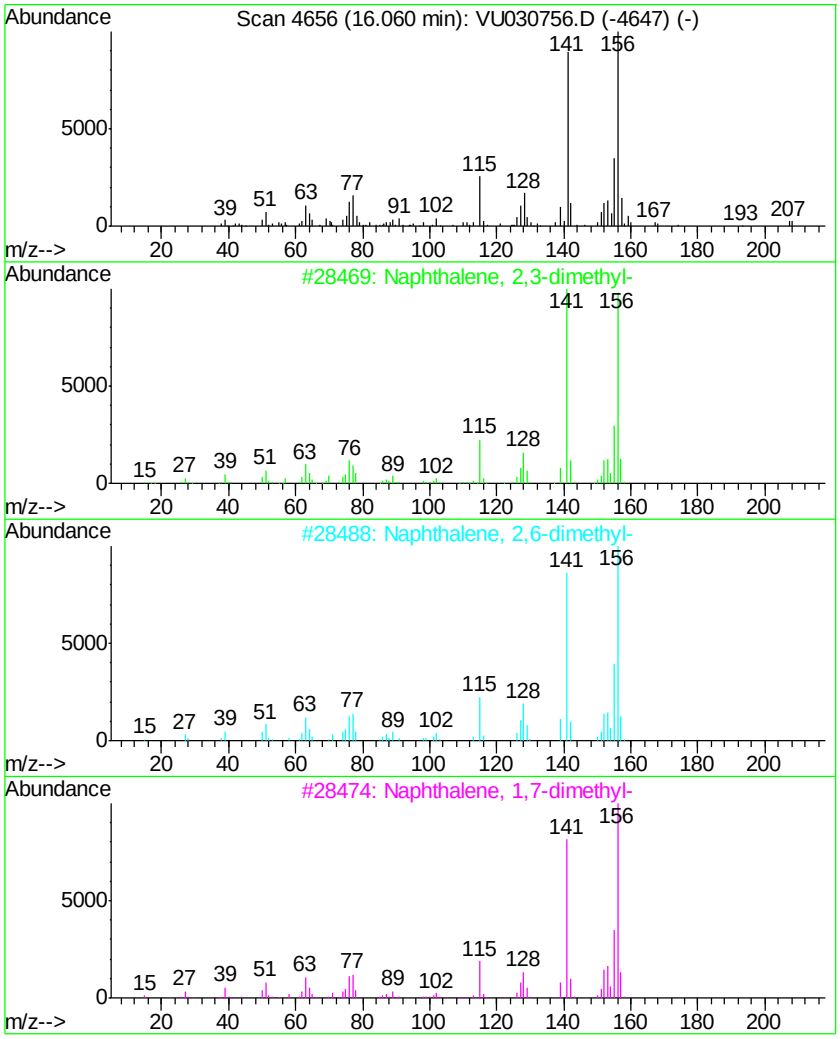
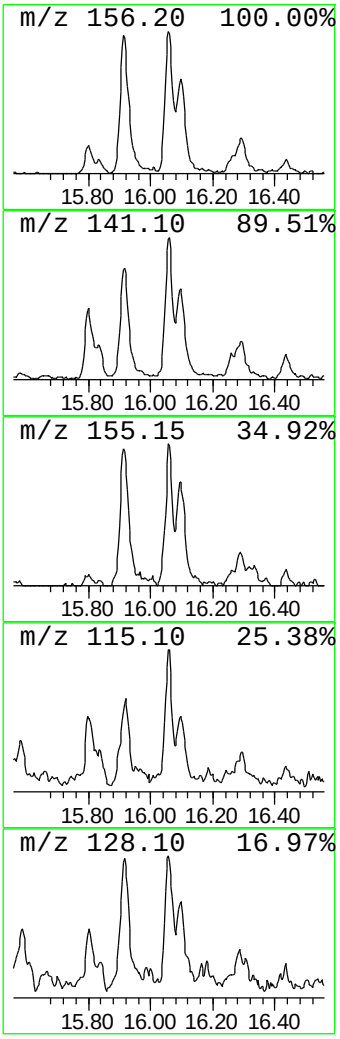
Peak Number 79 Naphthalene, 2,3-dimethyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	4.79 ug/L	134558	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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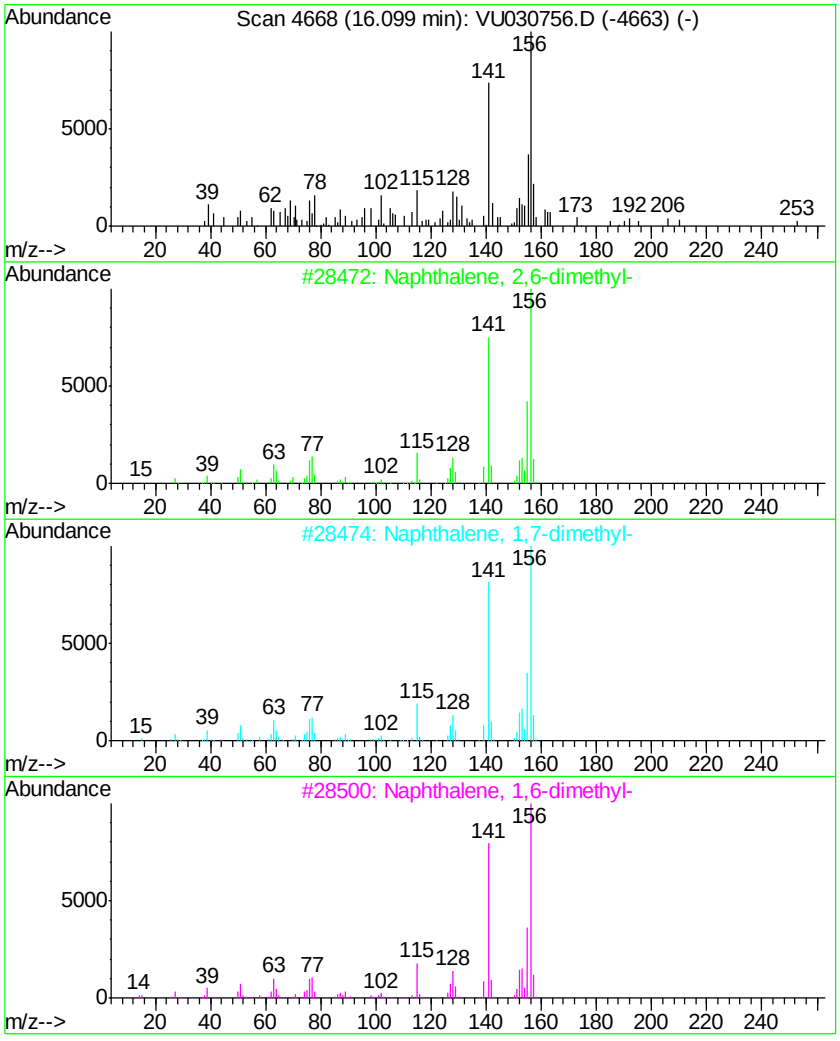
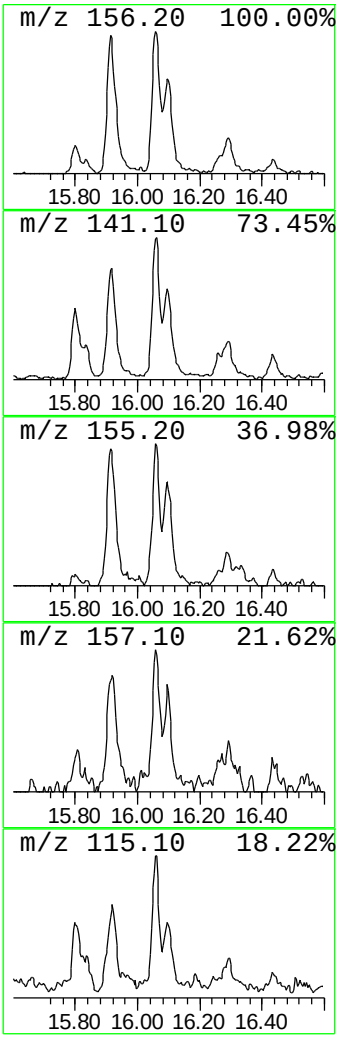
Peak Number 80 Naphthalene, 2,6-dimethyl- Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	3.83 ug/L	107661	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	89
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	89
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	89
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040619\
Data File : VU030756.D
Acq On : 05 Apr 2019 21:14
Operator : JC/SP
Sample : K2168-19DL 5X
Misc : 5.84g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF641DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	2.73	17.0	ug/L	410802	1	5.88	1210470	50.0
(DEL) Alkane: Str...	2.98	14.1	ug/L	341232	1	5.88	1210470	50.0
(DEL) Alkane: Str...	3.87	3.5	ug/L	85601	1	5.88	1210470	50.0
(DEL) Alkane: Str...	3.98	5.2	ug/L	124905	1	5.88	1210470	50.0
(DEL) Alkane: Cyc...	4.08	7.4	ug/L	178582	1	5.88	1210470	50.0
(DEL) Alkane: Cyc...	4.72	5.1	ug/L	124035	1	5.88	1210470	50.0
(DEL) Alkane: Str...	4.98	26.6	ug/L	643501	1	5.88	1210470	50.0
(DEL) Alkane: Str...	5.07	17.1	ug/L	414684	1	5.88	1210470	50.0
(DEL) Alkane: Str...	5.21	36.9	ug/L	892990	1	5.88	1210470	50.0
(DEL) Alkane: Cyc...	5.47	13.1	ug/L	317872	1	5.88	1210470	50.0
(DEL) Alkane: Str...	5.53	27.9	ug/L	676596	1	5.88	1210470	50.0
(DEL) Alkane: Cyc...	5.61	15.1	ug/L	365597	1	5.88	1210470	50.0
(DEL) Alkane: Cyc...	5.77	3.2	ug/L	76790	1	5.88	1210470	50.0
(DEL) Alkane: Cyc...	5.94	11.8	ug/L	284639	1	5.88	1210470	50.0
2,3-Dimethyl-1,4-...	6.21	9.1	ug/L	220217	1	5.88	1210470	50.0
(DEL) Alkane: Str...	6.47	8.4	ug/L	202931	1	5.88	1210470	50.0
(DEL) Alkane: Str...	6.53	9.5	ug/L	228944	1	5.88	1210470	50.0
(DEL) Alkane: Cyc...	6.64	8.1	ug/L	196727	1	5.88	1210470	50.0
(DEL) Alkane: Cyc...	6.73	9.0	ug/L	217640	1	5.88	1210470	50.0
(DEL) Alkane: Cyc...	6.83	4.6	ug/L	112373	1	5.88	1210470	50.0
(DEL) Alkane: Str...	6.92	19.3	ug/L	466797	1	5.88	1210470	50.0
(DEL) Alkane: Str...	7.04	22.6	ug/L	546344	1	5.88	1210470	50.0
(DEL) Alkane: Str...	7.10	9.7	ug/L	234044	1	5.88	1210470	50.0
(DEL) Alkane: Str...	7.18	30.8	ug/L	746553	1	5.88	1210470	50.0
(DEL) Alkane: Str...	7.33	33.7	ug/L	816728	1	5.88	1210470	50.0
cis-Hexahydro(5H)...	7.43	7.1	ug/L	172351	1	5.88	1210470	50.0
(DEL) Alkane: Cyc...	7.70	6.6	ug/L	186853	2	9.09	1407870	50.0
(DEL) Alkane: Cyc...	7.91	12.1	ug/L	340223	2	9.09	1407870	50.0
(DEL) Alkane: Cyc...	8.04	8.7	ug/L	245541	2	9.09	1407870	50.0
5,5-Dimethyl-1,3-...	8.09	5.0	ug/L	140412	2	9.09	1407870	50.0
(DEL) Alkane: Str...	8.22	4.1	ug/L	116341	2	9.09	1407870	50.0
(DEL) Alkane: Str...	8.45	9.6	ug/L	270747	2	9.09	1407870	50.0
(DEL) Alkane: Cyc...	8.54	8.5	ug/L	238523	2	9.09	1407870	50.0
(DEL) Alkane: Cyc...	8.60	11.0	ug/L	310104	2	9.09	1407870	50.0
(DEL) Alkane: Cyc...	8.75	6.0	ug/L	169763	2	9.09	1407870	50.0
(DEL) Alkane: Str...	8.81	6.9	ug/L	194347	2	9.09	1407870	50.0
(DEL) Alkane: Str...	8.90	21.1	ug/L	594370	2	9.09	1407870	50.0
(DEL) Alkane: Str...	9.03	24.2	ug/L	680499	2	9.09	1407870	50.0
(DEL) Alkane: Cyc...	9.44	6.7	ug/L	188707	2	9.09	1407870	50.0
(DEL) Alkane: Cyc...	9.71	8.2	ug/L	232043	2	9.09	1407870	50.0
(DEL) Alkane: Str...	9.81	5.8	ug/L	162452	2	9.09	1407870	50.0
(DEL) Alkane: Str...	9.95	19.5	ug/L	548796	2	9.09	1407870	50.0
(DEL) Alkane: Cyc...	10.04	8.2	ug/L	231983	2	9.09	1407870	50.0
unknown-01	10.08	4.2	ug/L	118123	2	9.09	1407870	50.0
(DEL) Alkane: Str...	10.32	8.1	ug/L	227983	3	11.48	1403740	50.0
(DEL) Alkane: Cyc...	10.49	6.1	ug/L	171558	3	11.48	1403740	50.0
Benzene, propyl-	10.58	25.2	ug/L	708108	3	11.48	1403740	50.0
(DEL) Alkane: Cyc...	10.75	4.1	ug/L	114552	3	11.48	1403740	50.0
(DEL) Alkane: Cyc...	10.81	3.2	ug/L	90445	3	11.48	1403740	50.0

Benzene, 1-ethyl-...	10.97	4.3	ug/L	120203	3	11.48	1403740	50.0
(DEL) Alkane: Str...	11.11	8.4	ug/L	235842	3	11.48	1403740	50.0
Benzene, butyl-	11.28	5.7	ug/L	158790	3	11.48	1403740	50.0
unknown-02	11.32	6.5	ug/L	183654	3	11.48	1403740	50.0
(DEL) Alkane: Cyc...	11.39	5.4	ug/L	151200	3	11.48	1403740	50.0
Benzene, 2-propenyl-	11.77	27.7	ug/L	777583	3	11.48	1403740	50.0
Benzene, 4-ethyl-...	12.25	30.7	ug/L	861628	3	11.48	1403740	50.0
Benzene, 1-etheny...	12.35	21.5	ug/L	604203	3	11.48	1403740	50.0
Cyclohexane, 2-pr...	12.61	5.3	ug/L	149105	3	11.48	1403740	50.0
Benzene, 1,2,4,5-...	12.65	20.2	ug/L	566836	3	11.48	1403740	50.0
trans-Decalin, 2-...	12.72	5.3	ug/L	149517	3	11.48	1403740	50.0
Benzene, (2-methy...	12.96	12.9	ug/L	362732	3	11.48	1403740	50.0
Benzene, 2-etheny...	13.12	32.8	ug/L	919549	3	11.48	1403740	50.0
Benzene, 1-methyl...	13.23	3.4	ug/L	94668	3	11.48	1403740	50.0
Naphthalene, 1,2,...	13.28	16.6	ug/L	465494	3	11.48	1403740	50.0
1H-Indene, 2,3-di...	13.40	3.8	ug/L	106817	3	11.48	1403740	50.0
1H-Indene, 2,3-di...	13.45	6.2	ug/L	174307	3	11.48	1403740	50.0
unknown-03	13.78	3.9	ug/L	109986	3	11.48	1403740	50.0
Benzene, (1-ethyl...	13.95	4.0	ug/L	111300	3	11.48	1403740	50.0
Benzene, (1-methy...	14.33	8.0	ug/L	223261	3	11.48	1403740	50.0
unknown-04	14.54	4.0	ug/L	110788	3	11.48	1403740	50.0
Naphthalene, 1-me...	15.06	9.4	ug/L	263094	3	11.48	1403740	50.0
Naphthalene, 1,3-...	15.92	6.2	ug/L	174587	3	11.48	1403740	50.0
Naphthalene, 2,3-...	16.06	4.8	ug/L	134558	3	11.48	1403740	50.0
Naphthalene, 2,6-...	16.10	3.8	ug/L	107661	3	11.48	1403740	50.0

Instrument :
MSVOA_U
ClientSampleId :
BF641DL