LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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	85	94	105	rBV	336564	353437	16.50%	0.676%
2	1.650	167	174	186	rVB	228207	293533	13.70%	0.561%
3	1.727	189	198	213	rVB	375368	509255	23.77%	0.974%
4	1.926	250	260	282	rVB	309093	461762	21.56%	0.883%
5	2.170	326	336	348	rVV	163374	247866	11.57%	0.474%
6	2.257	352	363	390	rVV	483582	793159	37.03%	1.517%
7	2.730	486	510	521	rBV	525135	1269317	59.26%	2.428%
8	2.984	573	589	610	rBV	352759	751846	35.10%	1.438%
9	3.289	667	684	704	rBV	509144	1084657	50.64%	2.075%
10	3.543	752	763	780	rVB	88735	204868	9.56%	0.392%
11	3.881	841	868	884	rVV4	70475	207870	9.70%	0.398%
12	3.981	888	899	914	rVV3	51086	130541	6.09%	0.250%
13	4.080	914	930	947	rVV2	360372	970831	45.32%	1.857%
14	4.174	947	959	990	rVB	238057	634496	29.62%	1.214%
15	4.640	1091	1104	1121	rVV	318726	776829	36.26%	1.486%
16	4.723	1121	1130	1136	rVV3	50932	112676	5.26%	0.216%
17	4.772	1137	1145	1161	rVB2	77291	168767	7.88%	0.323%
18	4.981	1194	1210	1226	rBV3	555285	1371799	64.04%	2.624%
19	5.071	1226	1238	1264	rVB2	151067	450535	21.03%	0.862%
20	5.212	1265	1282	1299	rBV2	366324	906720	42.33%	1.734%
21	5.331	1299	1319	1350	rVV2	707231	2142100	100.00%	4.097%
22	5.473	1351	1363	1372	rVV4	167469	384585	17.95%	0.736%
23	5.540	1373	1384	1395	rVV5	195714	515266	24.05%	0.986%
24	5.614	1396	1407	1422	rVB3	196455	468277	21.86%	0.896%
25	5.775	1443	1457	1477	rBV	521919	1066559	49.79%	2.040%
26	5.881	1478	1490	1501	rVV	640985	1269238	59.25%	2.428%
27	5.939	1501	1508	1533	rVB4	158926	448356	20.93%	0.858%
28	6.212	1579	1593	1606	rBV4	98503	231028	10.79%	0.442%
29	6.325	1615	1628	1639	rBV	462297	924329	43.15%	1.768%
30	6.408	1639	1654	1666	rVV	817278	1809201	84.46%	3.461%
31	6.527	1682	1691	1703	rVB3	84090	161629	7.55%	0.309%
32	6.637	1714	1725	1739	rVB2	104478	197985	9.24%	0.379%
33	6.733	1739	1755	1767	rVB5	82812	183799	8.58%	0.352%
34	6.916	1796	1812	1828	rVB8	101443	314121	14.66%	0.601%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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	7.058	1831	1856	1863	rBV4	119972	355142	16.58%	0.679%
36	7.177	1882	1893	1899	rBV	354320	609364	28.45%	1.166%
37	7.219	1900	1906	1923	rVB3	371663	708456	33.07%	1.355%
38	7.334	1933	1942	1960	rVB	245372	442950	20.68%	0.847%
39	7.428	1964	1971	1987	rVB7	67396	155296	7.25%	0.297%
40	7.524	1987	2001	2004	rBV3	264426	435517	20.33%	0.833%
41	7.559	2004	2012	2028	rVB	981511	1752450	81.81%	3.352%
42	7.698	2046	2055	2062	rBV4	77007	138642	6.47%	0.265%
43	7.813	2082	2091	2098	rBV	416741	702021	32.77%	1.343%
44	7.910	2113	2121	2141	rVB3	153517	331068	15.46%	0.633%
45	8.042	2142	2162	2170	rBV3	94500	185019	8.64%	0.354%
46	8.312	2235	2246	2263	rBV2	744112	1520001	70.96%	2.908%
47	8.450	2280	2289	2295	rBV2	99008	182383	8.51%	0.349%
48	8.540	2308	2317	2326	rBV	136663	219963	10.27%	0.421%
49	8.601	2327	2336	2345	rBV2	170342	287847	13.44%	0.551%
50	8.810	2393	2401	2407	rBV	90786	150003	7.00%	0.287%
51	8.907	2423	2431	2444	rVB2	307446	508330	23.73%	0.972%
52	9.029	2458	2469	2477	rBV	282243	476039	22.22%	0.911%
53	9.087	2477	2487	2501	rVV	920090	1486644	69.40%	2.844%
54	9.247	2526	2537	2552	rBV	361117	601788	28.09%	1.151%
55	9.370	2563	2575	2589	rBV	619691	1201804	56.10%	2.299%
56	9.440	2589	2597	2621	rVB	511109	878218	41.00%	1.680%
57	9.714	2669	2682	2692	rBV5	112234	224805	10.49%	0.430%
58	9.948	2736	2755	2764	rBV2	244679	495174	23.12%	0.947%
59	10.042	2775	2784	2792	rBV3	137916	242598	11.33%	0.464%
60	10.164	2812	2822	2830	rBV3	89314	154062	7.19%	0.295%
61	10.318	2858	2870	2875	rVV5	118076	227301	10.61%	0.435%
62	10.347	2875	2879	2893	rVB3	121741	197206	9.21%	0.377%
63	10.427	2894	2904	2917	rBV2	627969	1192880	55.69%	2.282%
64	10.485	2918	2922	2932	rVB3	129037	178268	8.32%	0.341%
65	10.585	2944	2953	2961	rBV	181760	280781	13.11%	0.537%
66	10.701	2975	2989	2997	rBV	128745	300912	14.05%	0.576%
67	10.755	2997	3006	3015	rVV4	96723	231873	10.82%	0.444%
68	10.810	3015	3023	3034	rVB	497317	737668	34.44%	1.411%
69	10.968	3064	3072	3081	rBV	177414	295809	13.81%	0.566%
70	11.109	3109	3116	3121	rVV	190339	263367	12.29%	0.504%
71	11.144	3122	3127	3138	rVB	218690	328055	15.31%	0.628%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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	11.328	3178	3184	3195	rVB5	88819	157816	7.37%	0.302%
73	11.392	3196	3204	3211	rBV4	91555	147713	6.90%	0.283%
74	11.479	3222	3231	3242	rBV	947102	1495816	69.83%	2.861%
75	11.566	3252	3258	3265	rBV	129852	174874	8.16%	0.335%
76	11.604	3266	3270	3280	rVB	84062	113655	5.31%	0.217%
77	11.697	3294	3299	3311	rVB4	84140	123082	5.75%	0.235%
78	11.775	3312	3323	3338	rBV4	122061	303700	14.18%	0.581%
79	11.855	3338	3348	3368	rVB3	1016902	1874968	87.53%	3.586%
80	12.019	3391	3399	3407	rBV	493075	732260	34.18%	1.401%
81	12.247	3458	3470	3478	rBV	228133	387320	18.08%	0.741%
82	12.353	3495	3503	3511	rBV2	166142	271174	12.66%	0.519%
83	12.504	3540	3550	3557	rBV10	58558	119011	5.56%	0.228%
84	12.607	3573	3582	3586	rBV5	128826	192504	8.99%	0.368%
85	12.643	3587	3593	3603	rVB2	215072	351349	16.40%	0.672%
86	13.032	3707	3714	3722	rBV5	74112	126255	5.89%	0.242%
87	13.119	3733	3741	3759	rVB2	643441	1006826	47.00%	1.926%
88	13.276	3783	3790	3800	rBV2	206898	344965	16.10%	0.660%
89	13.504	3853	3861	3869	rBV4	126886	201520	9.41%	0.385%
90	13.784	3942	3948	3962	rVB6	96615	159694	7.46%	0.305%
91	13.877	3973	3977	3986	rVB	148458	194142	9.06%	0.371%
92	14.138	4049	4058	4065	rBV2	301068	449115	20.97%	0.859%
93	14.331	4111	4118	4130	rVB5	125488	208233	9.72%	0.398%
94	14.874	4278	4287	4301	rBV2	454530	874343	40.82%	1.672%
95	15.061	4338	4345	4348	rBV2	148174	204631	9.55%	0.391%
96	15.659	4524	4531	4540	rVB2	118528	166827	7.79%	0.319%
97	15.909	4600	4609	4621	rBV2	273763	489311	22.84%	0.936%
98	15.974	4623	4629	4639	rVB	122537	173417	8.10%	0.332%
99	16.057	4647	4655	4661	rBV	240258	372531	17.39%	0.713%
100	16.093	4661	4666	4684	rVB2	205067	364596	17.02%	0.697%

Sum of corrected areas: 52278589

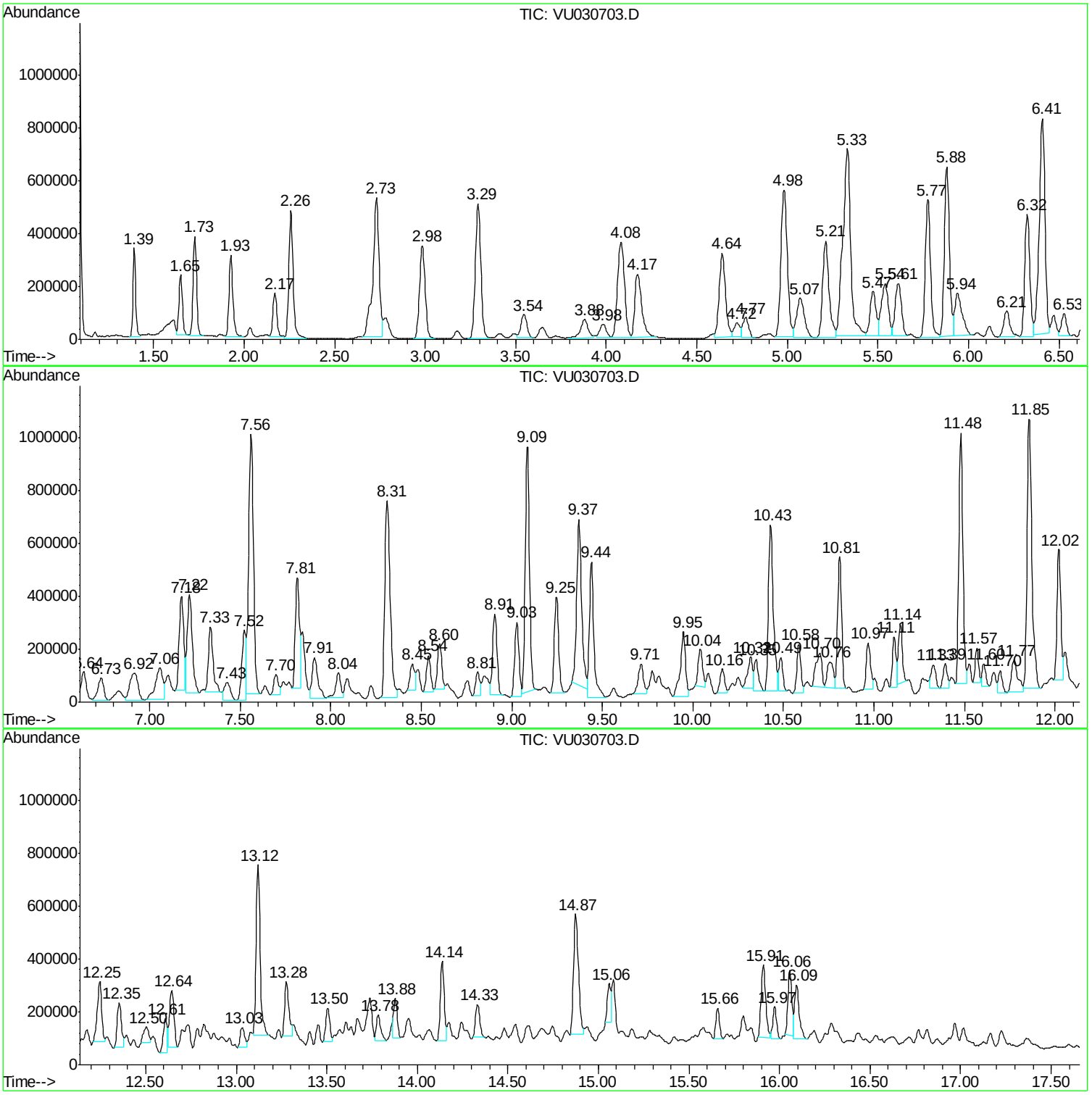
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

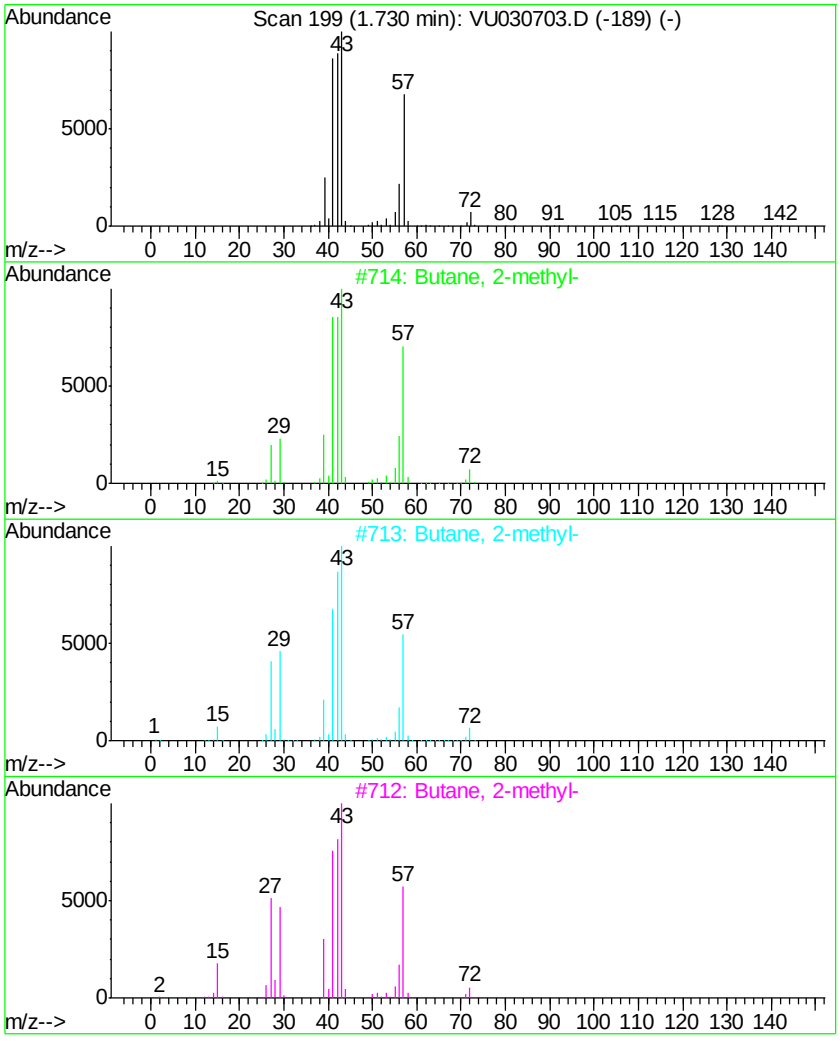
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

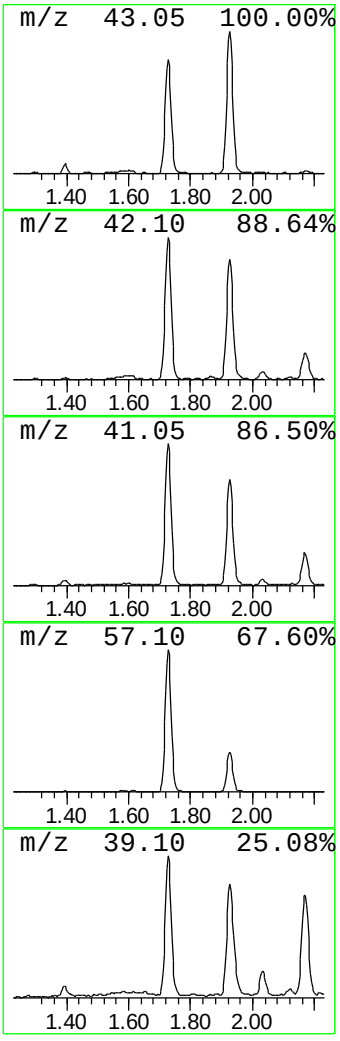
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.73	20.06 ug/L	509255	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

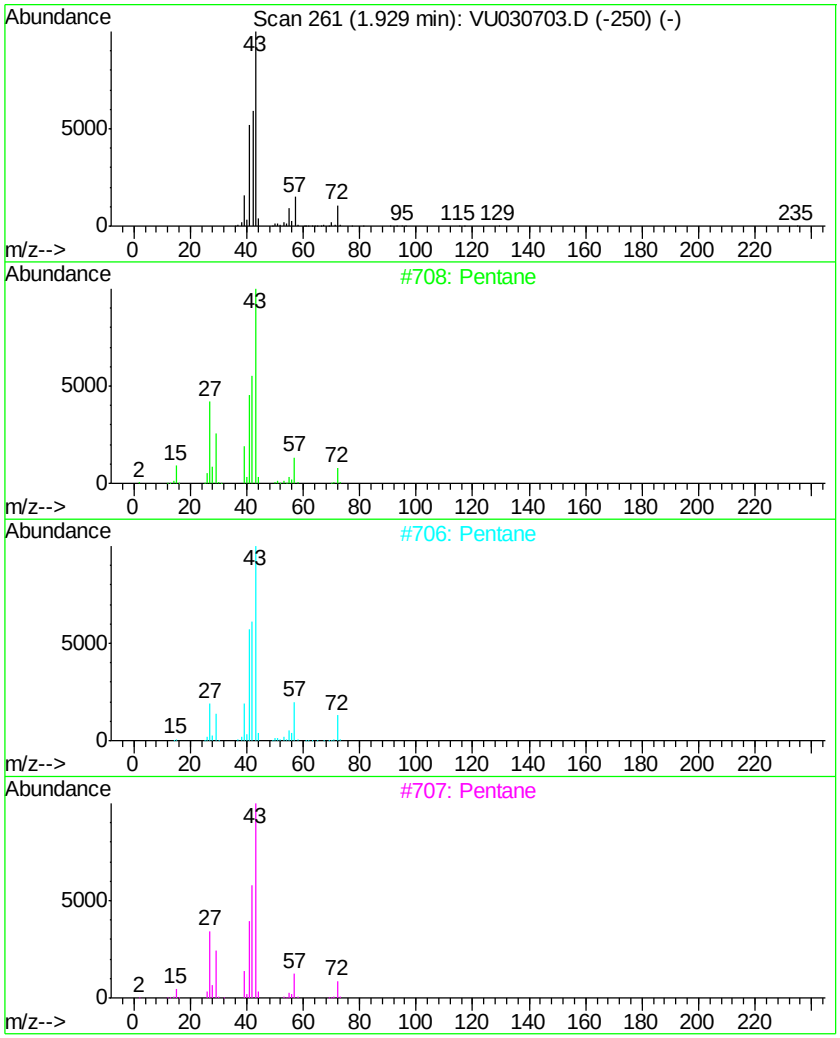
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

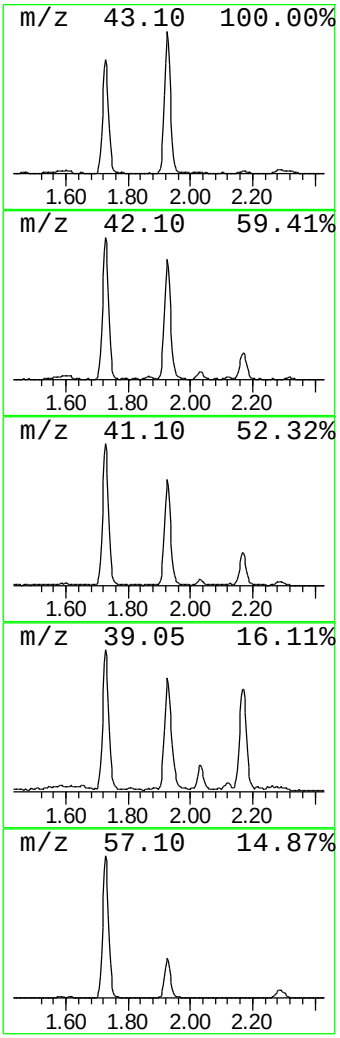
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.93	18.19 ug/L	461762	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	87
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	64
5	Butane, 2-methyl-	72	C5H12	000078-78-4	45





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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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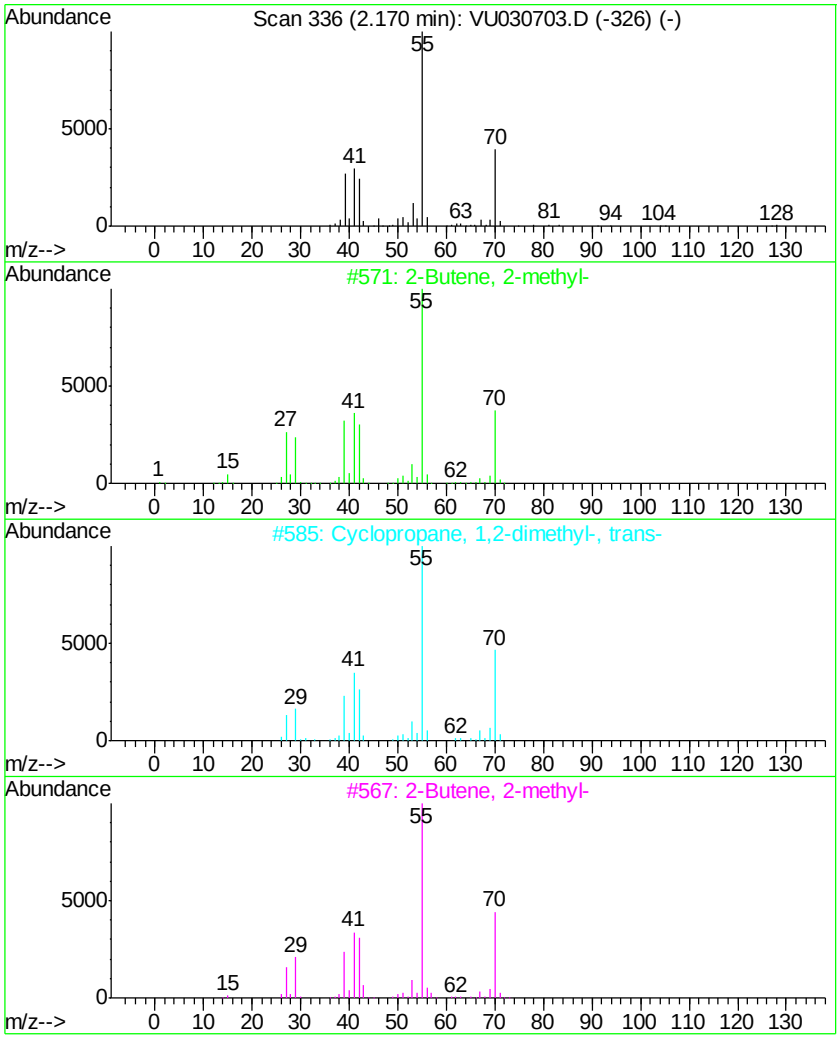
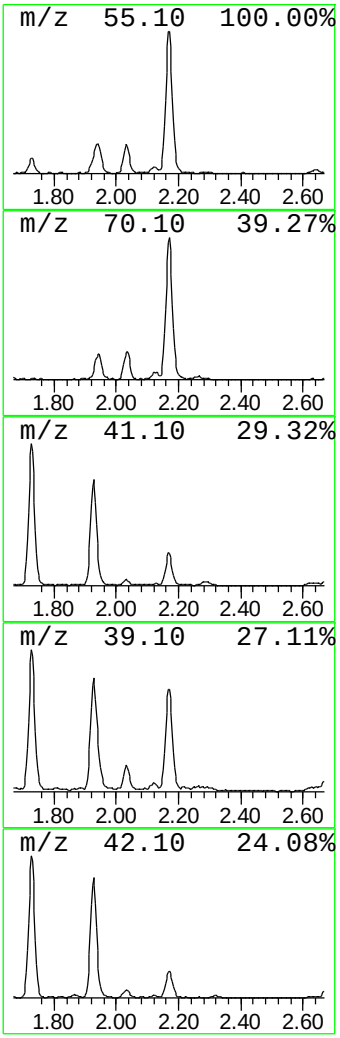
Peak Number 3 (DEL) Alkane: Cyclic2.17 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	9.76 ug/L	247866	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	80
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80





Library Search Compound Report

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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
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Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

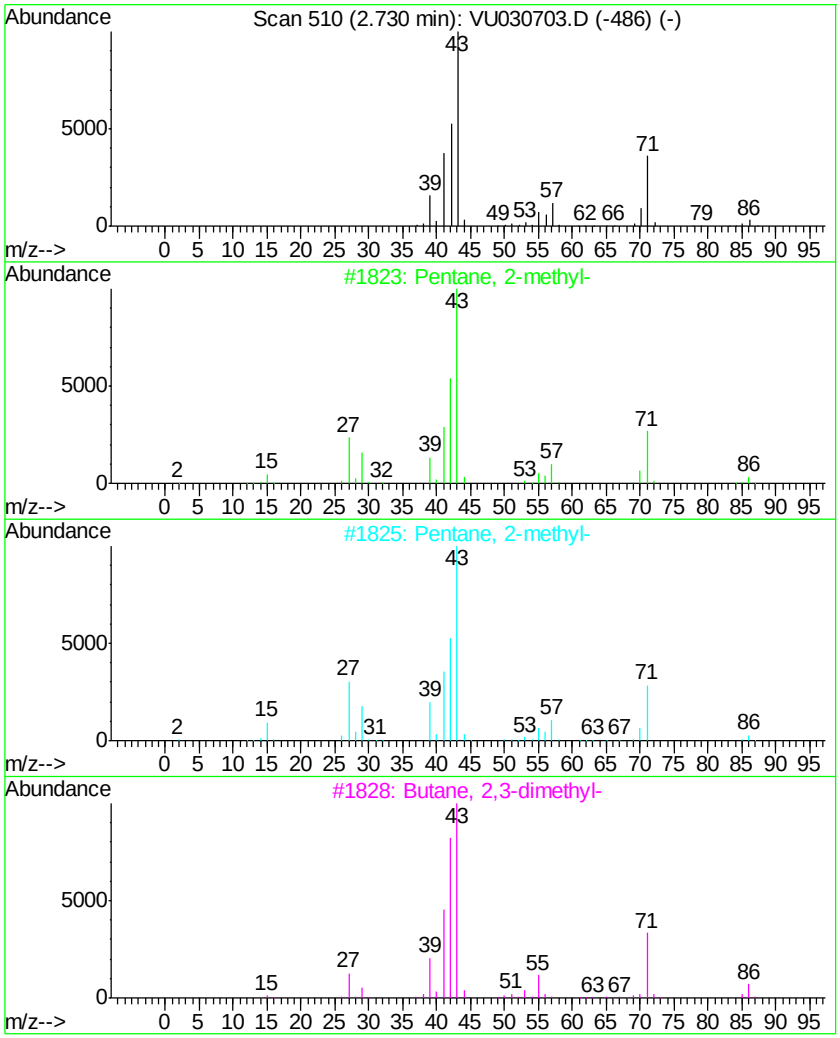
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

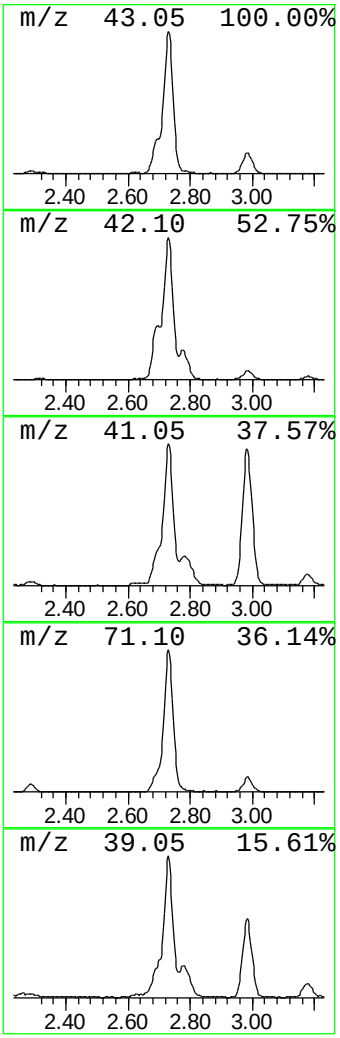
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.73	50.00 ug/L	1269320	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	38
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	37





Library Search Compound Report

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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

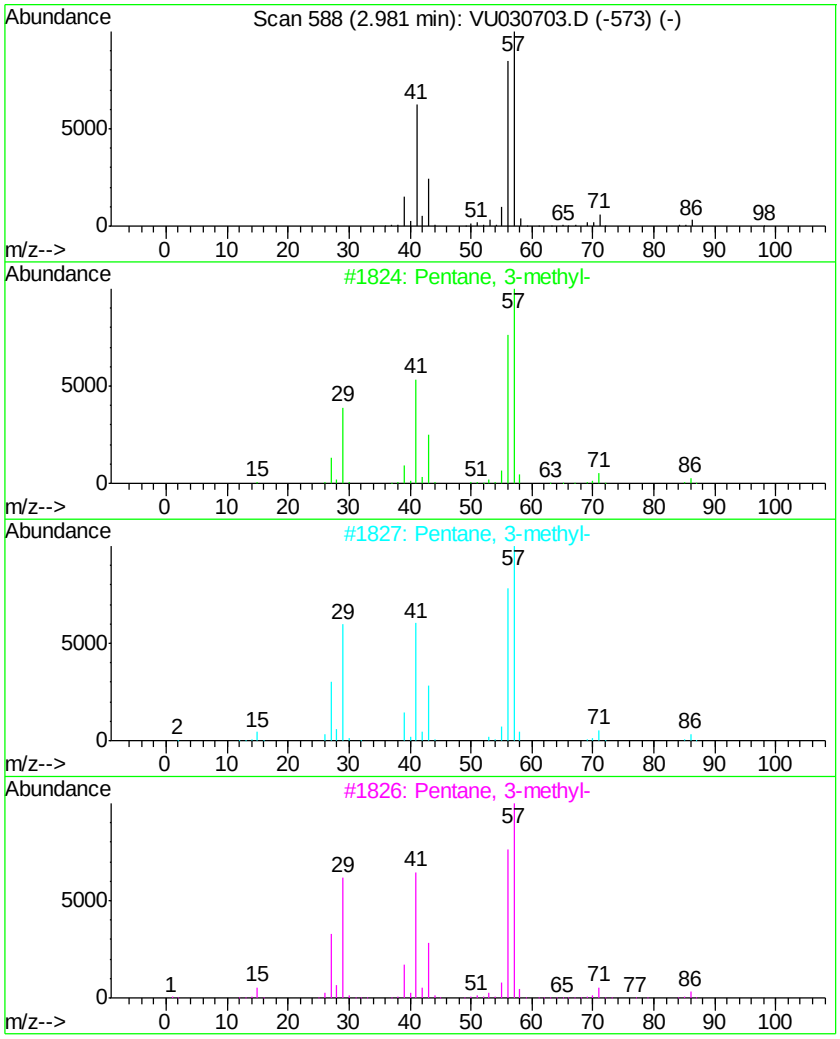
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

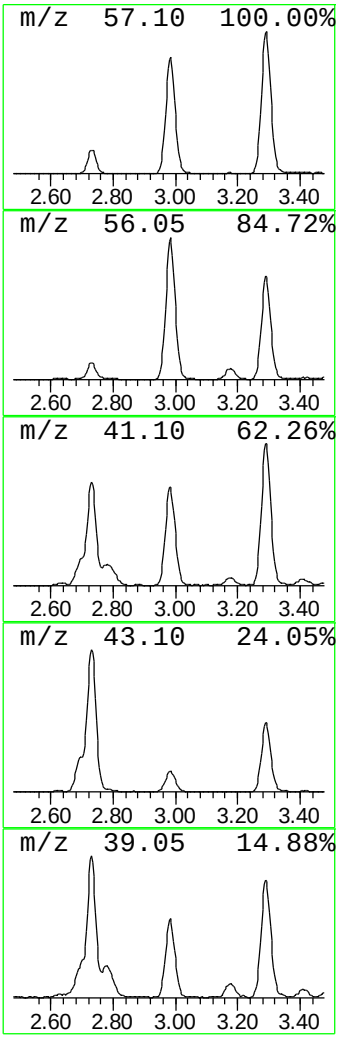
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	29.62 ug/L	751846	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	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	83
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

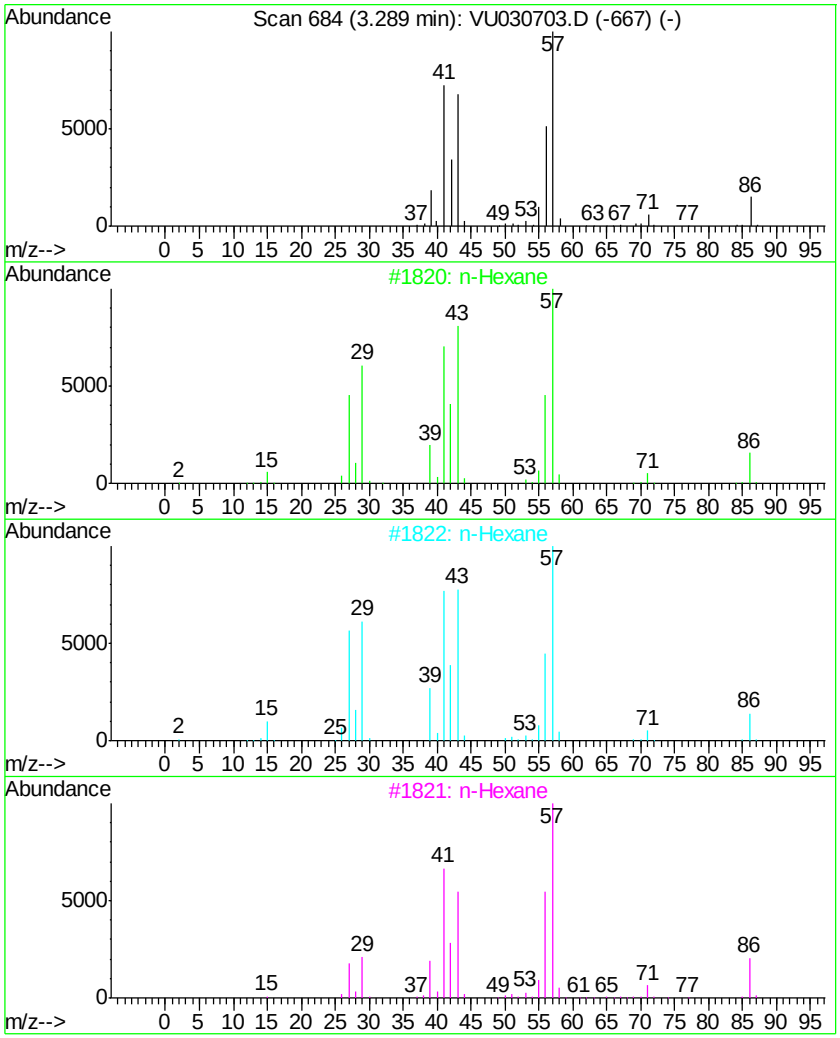
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

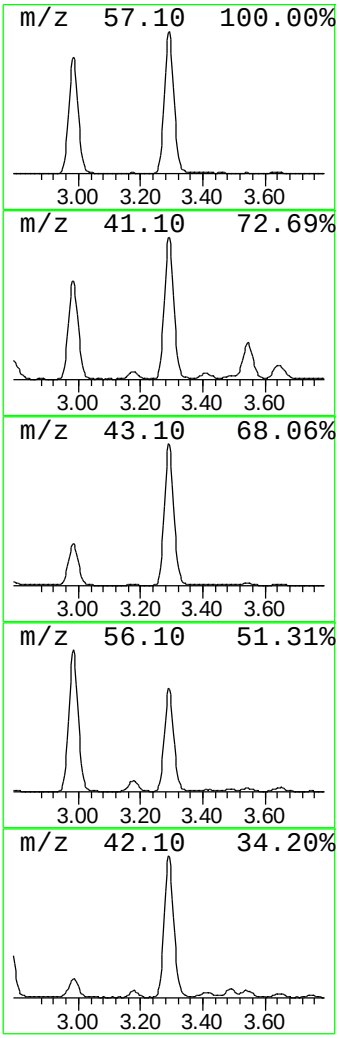
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.29	42.73 ug/L	1084660	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	91
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	42





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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

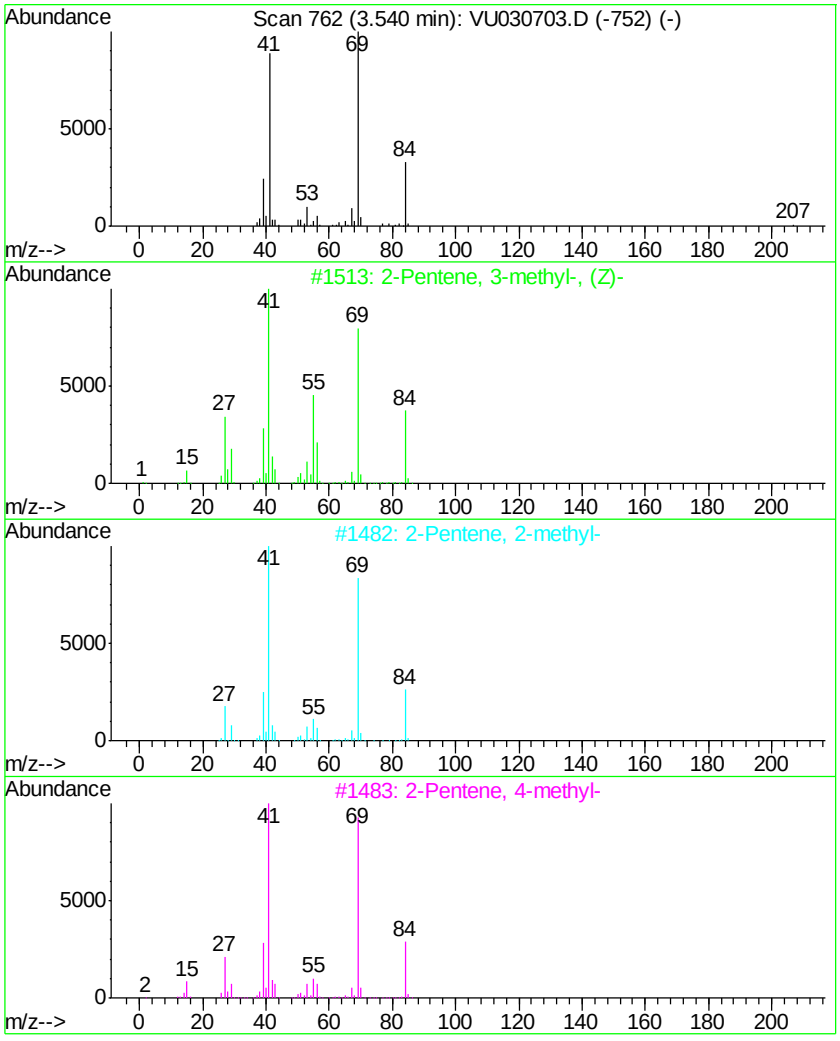
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

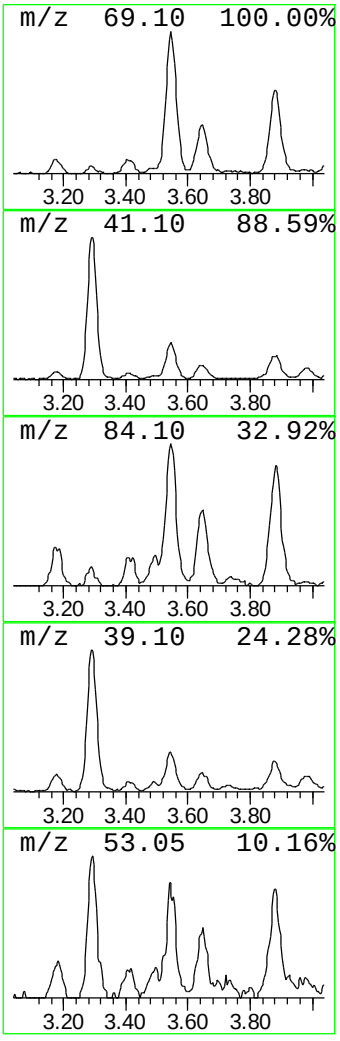
****

Peak Number 7 (DEL) Alkane: Cyclic3.54 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	8.07 ug/L	204868	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	86
2	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	86
3	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	86
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	86
5	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	78





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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

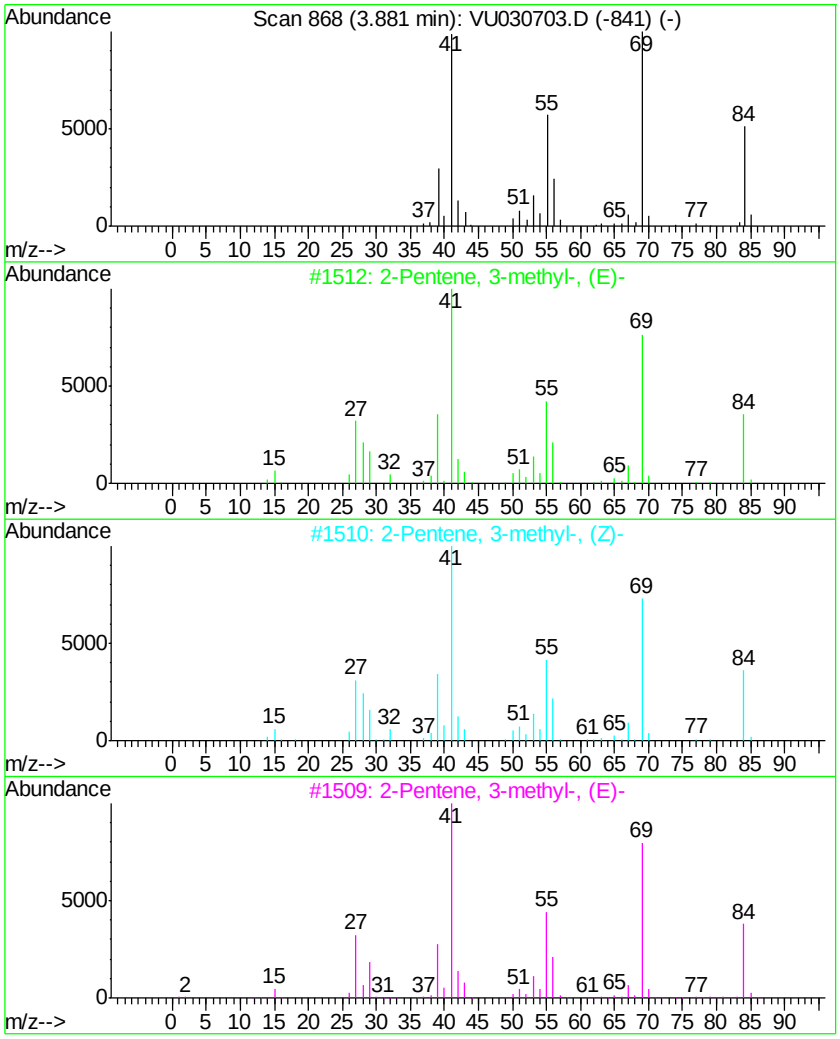
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

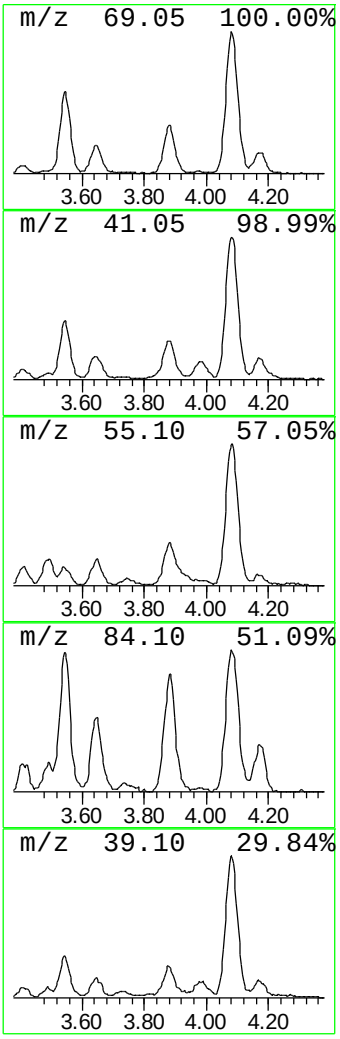
****

Peak Number 8 (DEL) Alkane: Cyclic3.88 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	8.19 ug/L	207870	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91





Library Search Compound Report

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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

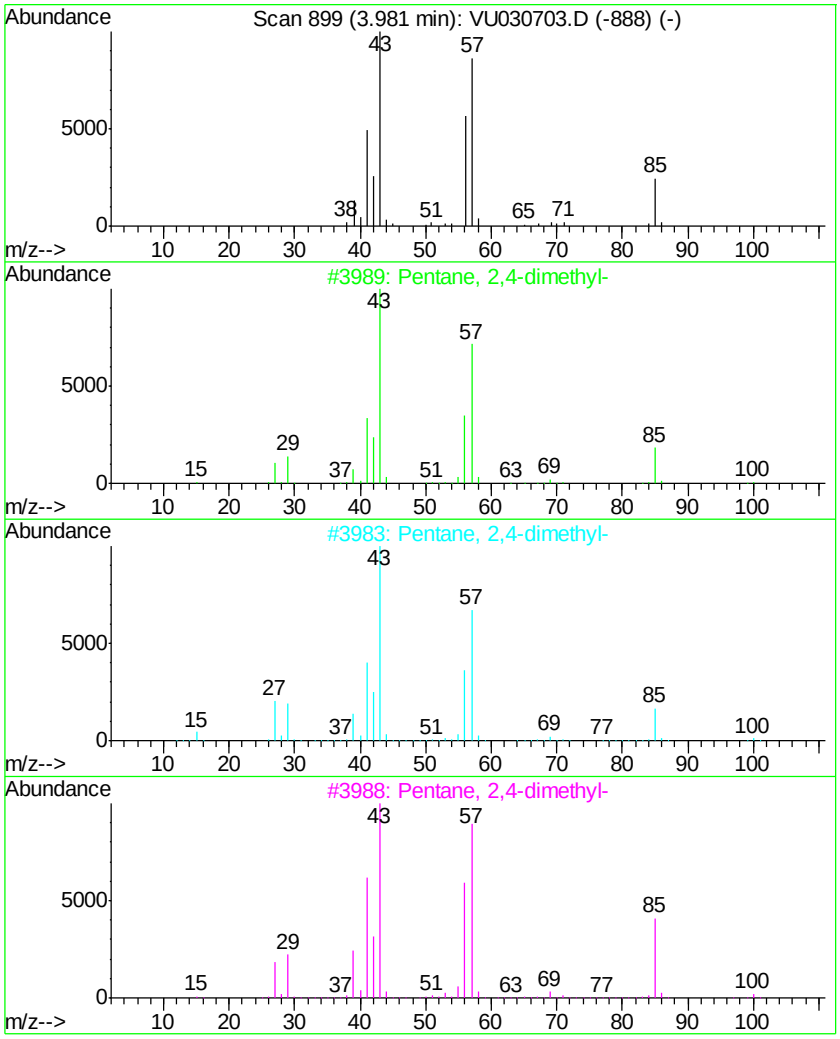
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

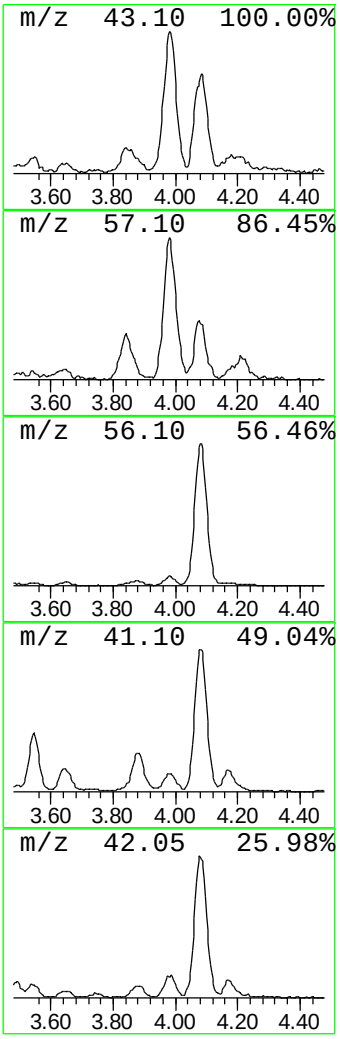
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.98	5.14 ug/L	130541	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	59
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	53
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	50
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	50





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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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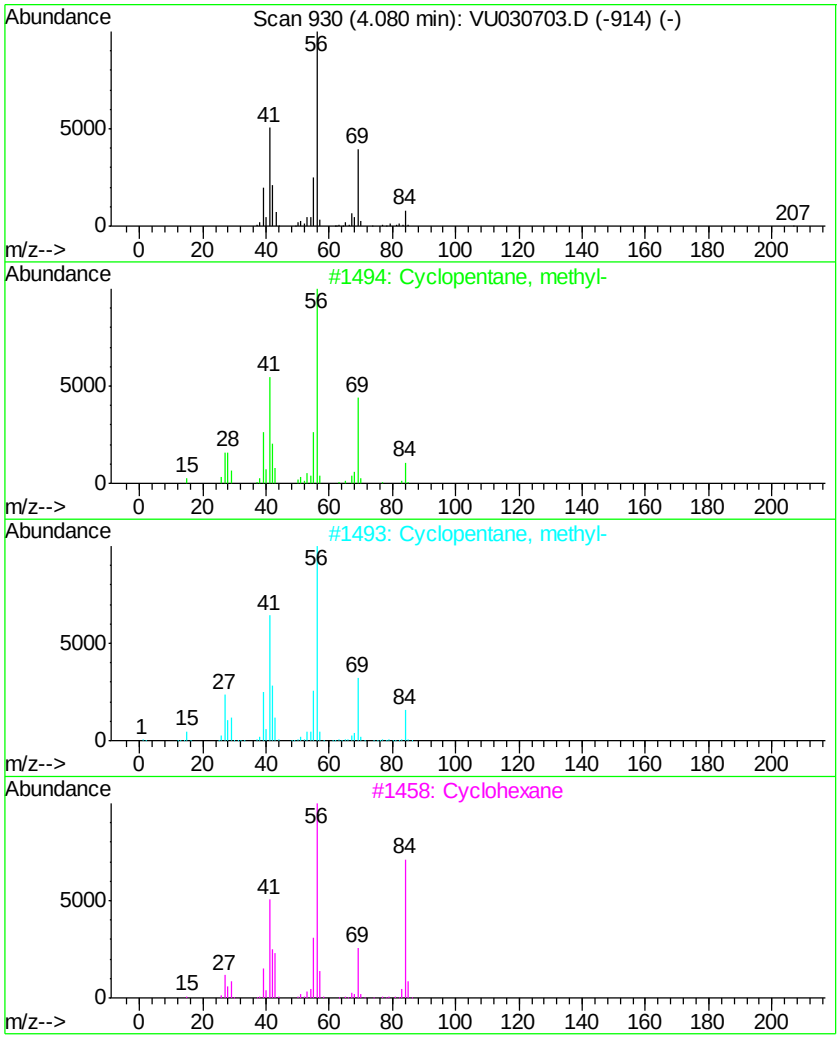
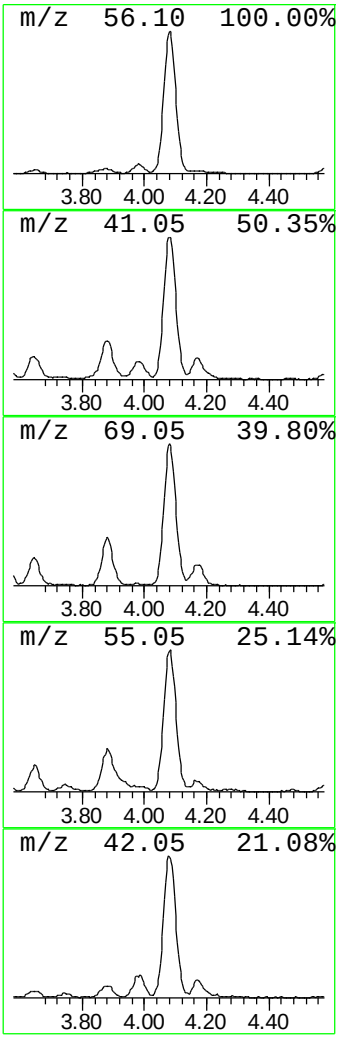
Peak Number 10 (DEL) Alkane: Cyclic4.08 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	38.24 ug/L	970831	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclopropane, propyl-	84	C6H12	002415-72-7	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

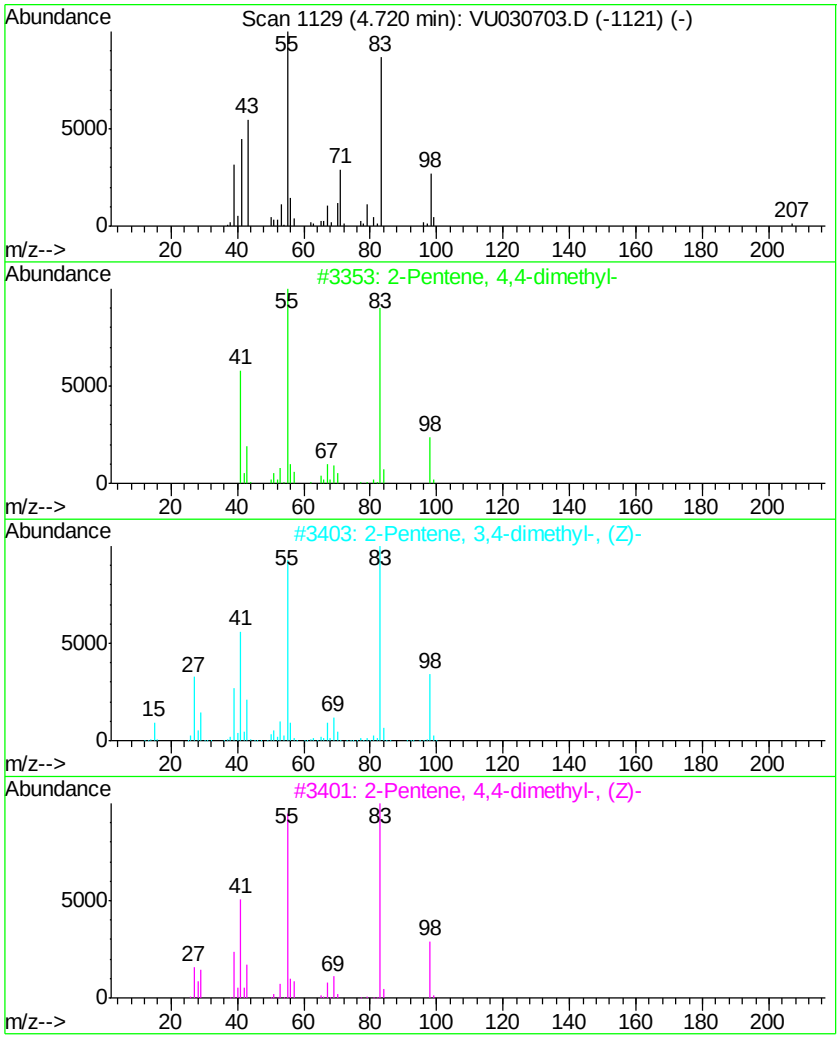
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

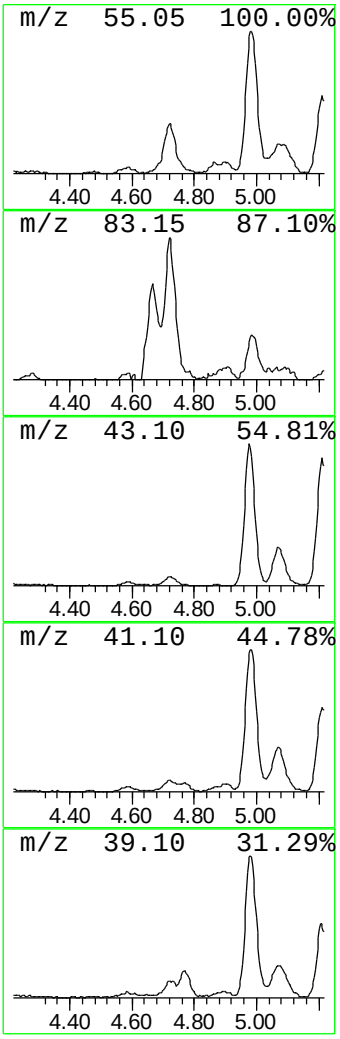
****

Peak Number 11 (DEL) Alkane: Cyclic4.72 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	4.44 ug/L	112676	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	72
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	72
3	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	72
4	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	72
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	68





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Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

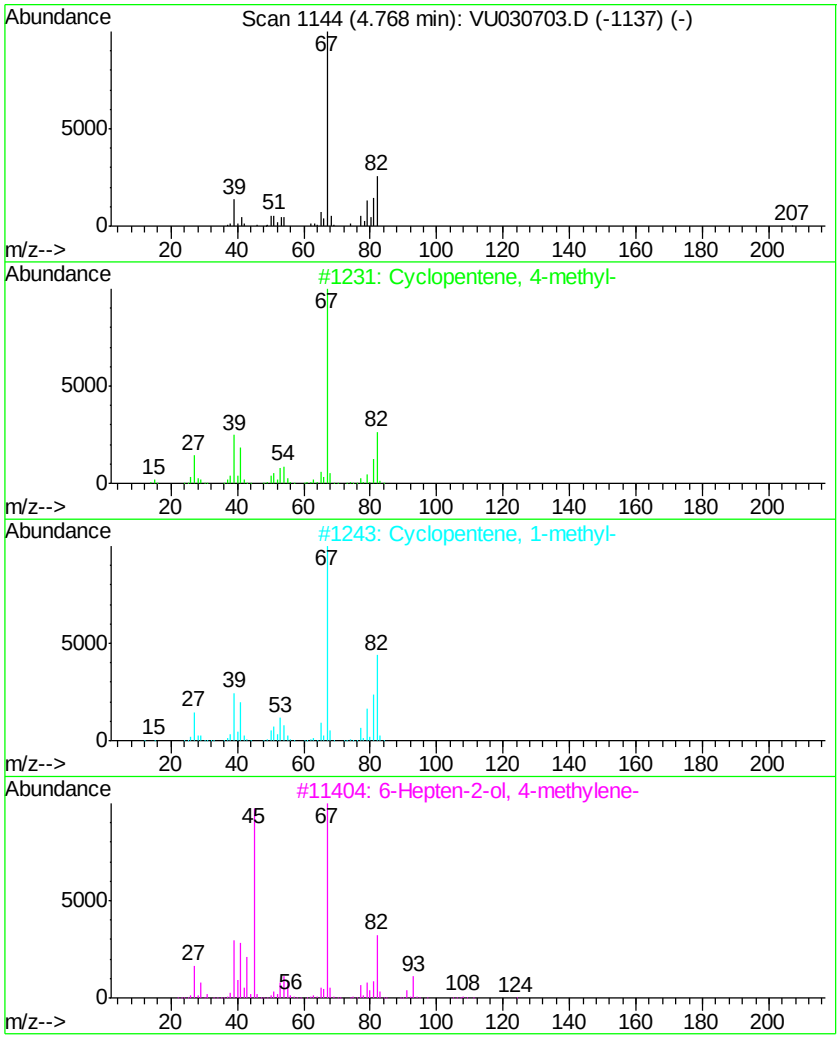
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

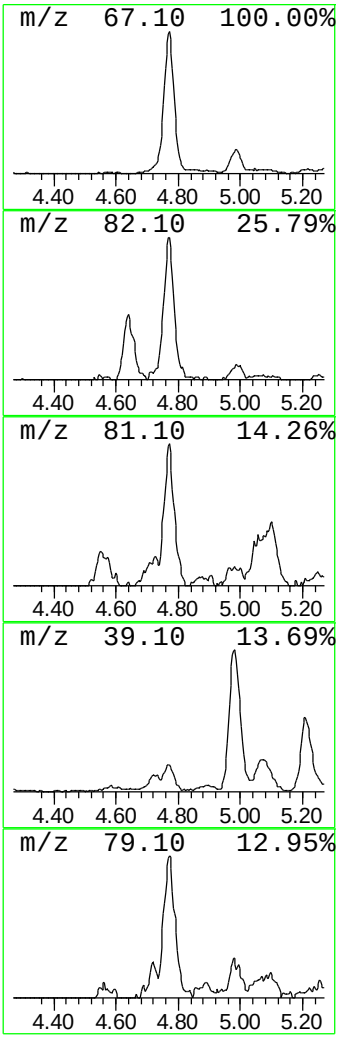
****

Peak Number 12 Cyclopentene, 4-methyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	6.65 ug/L	168767	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	86
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	83
3	6-Hepten-2-ol, 4-methylene-	126	C8H14O	042201-30-9	83
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	80
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	80





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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

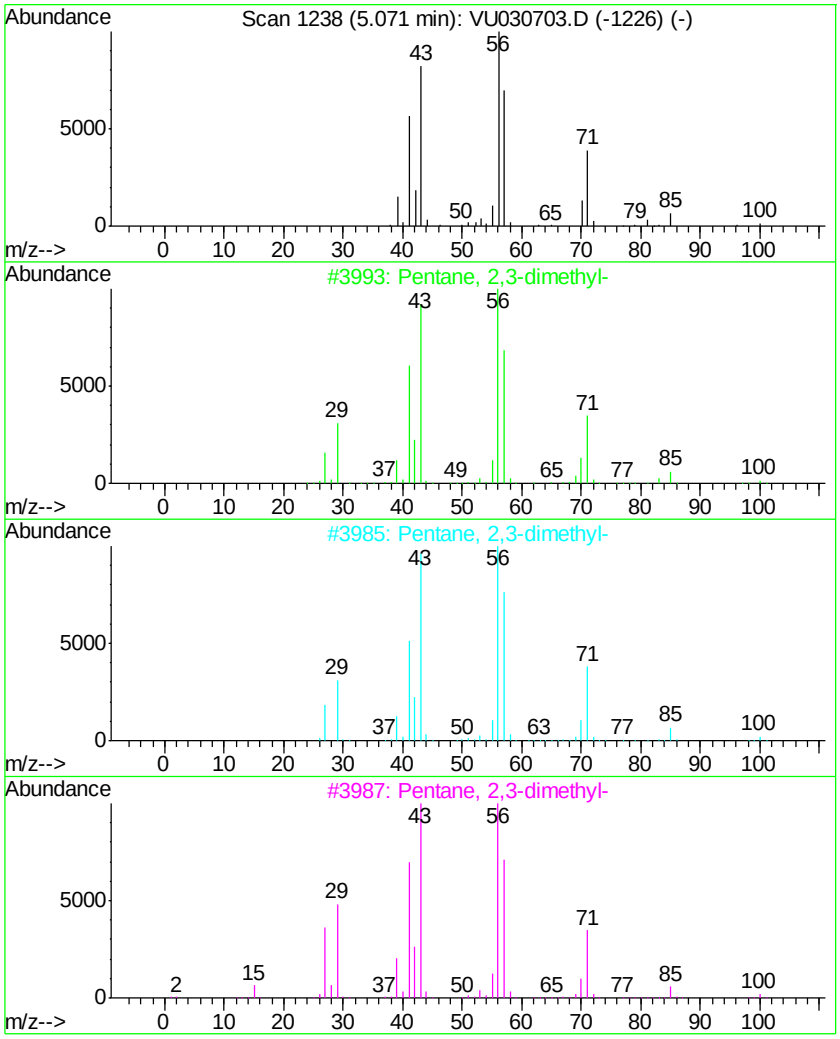
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

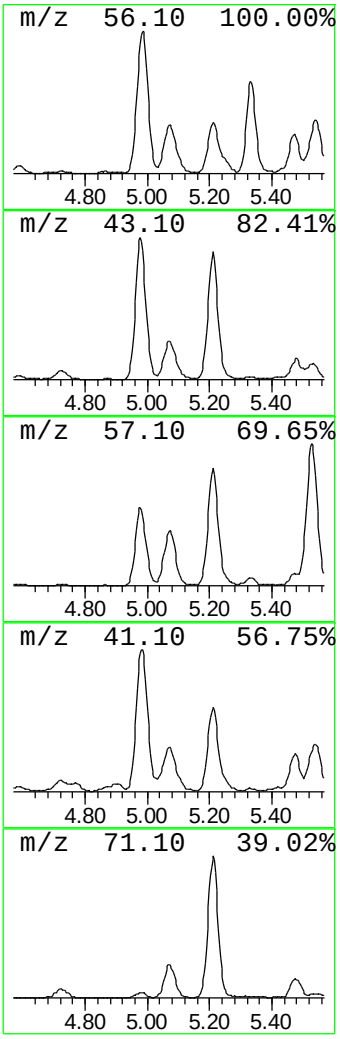
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	17.75 ug/L	450535	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	52
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	52
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	38
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	38





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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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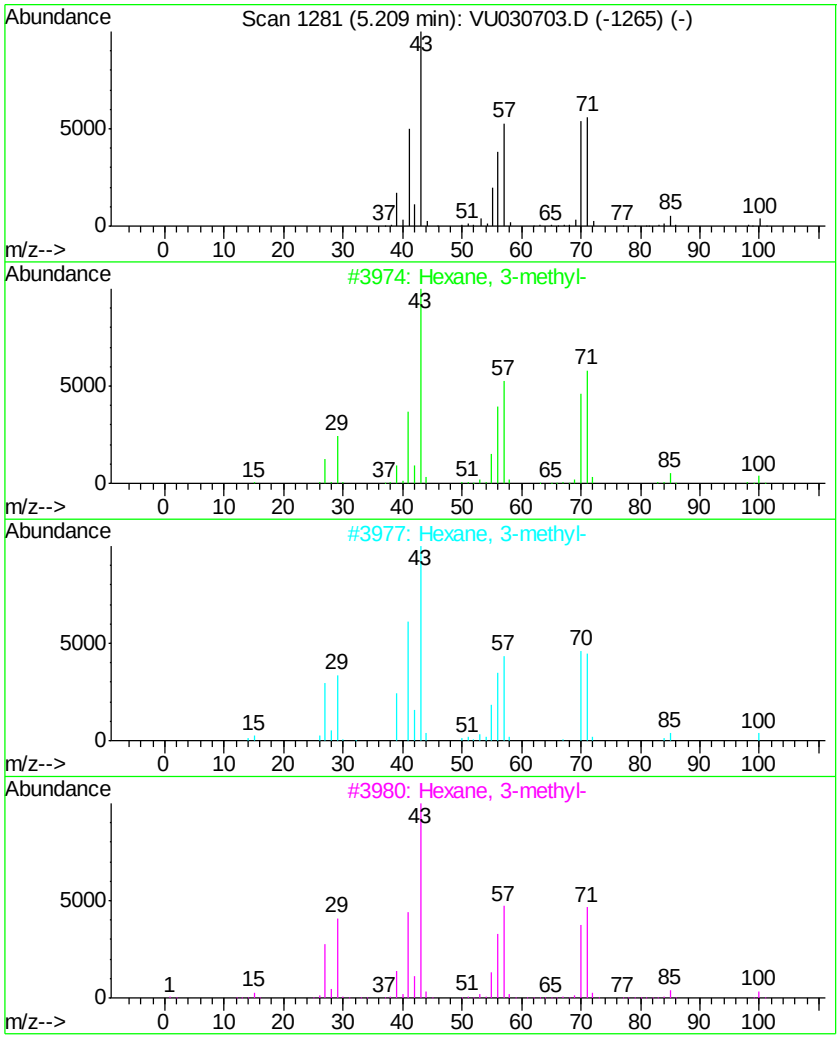
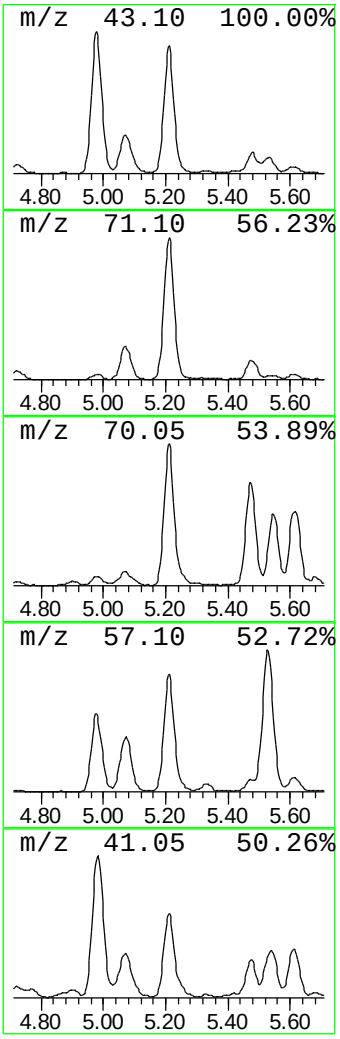
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	35.72 ug/L	906720	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	90
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
5	Heptane	100	C7H16	000142-82-5	64





Library Search Compound Report

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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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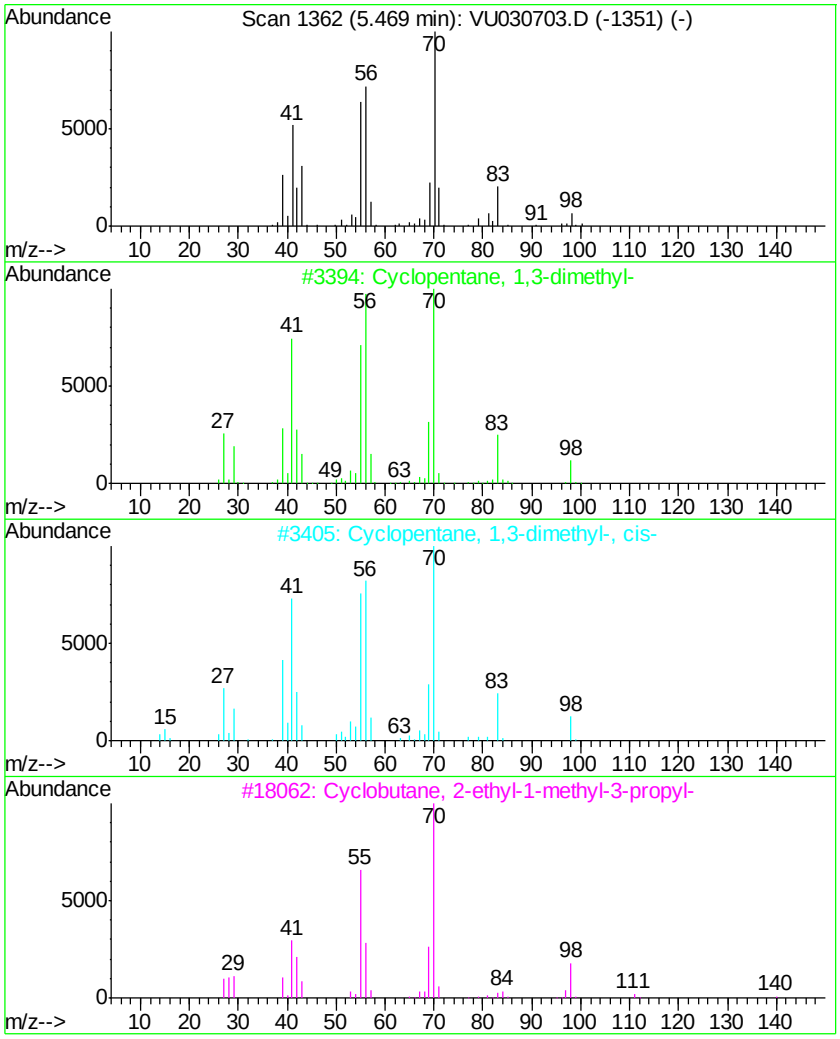
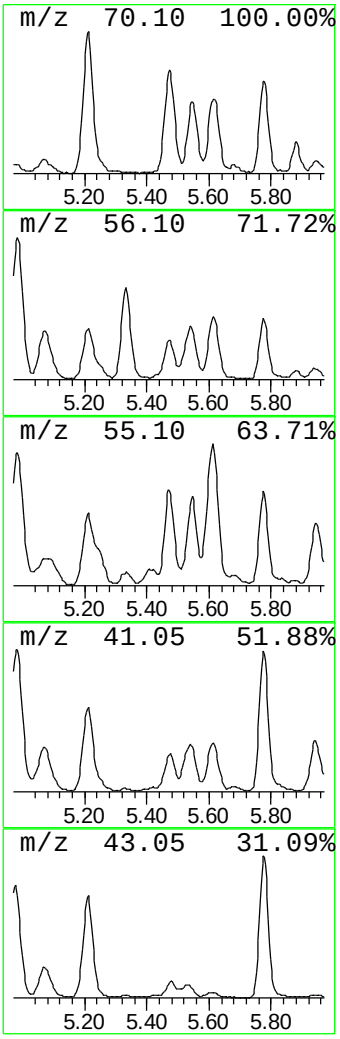
Peak Number 15 (DEL) Alkane: Cyclic5.47 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	15.15 ug/L	384585	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
3	Cyclobutane, 2-ethyl-1-methyl-3-...	140	C10H20	061233-72-5	53
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	52
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	52





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Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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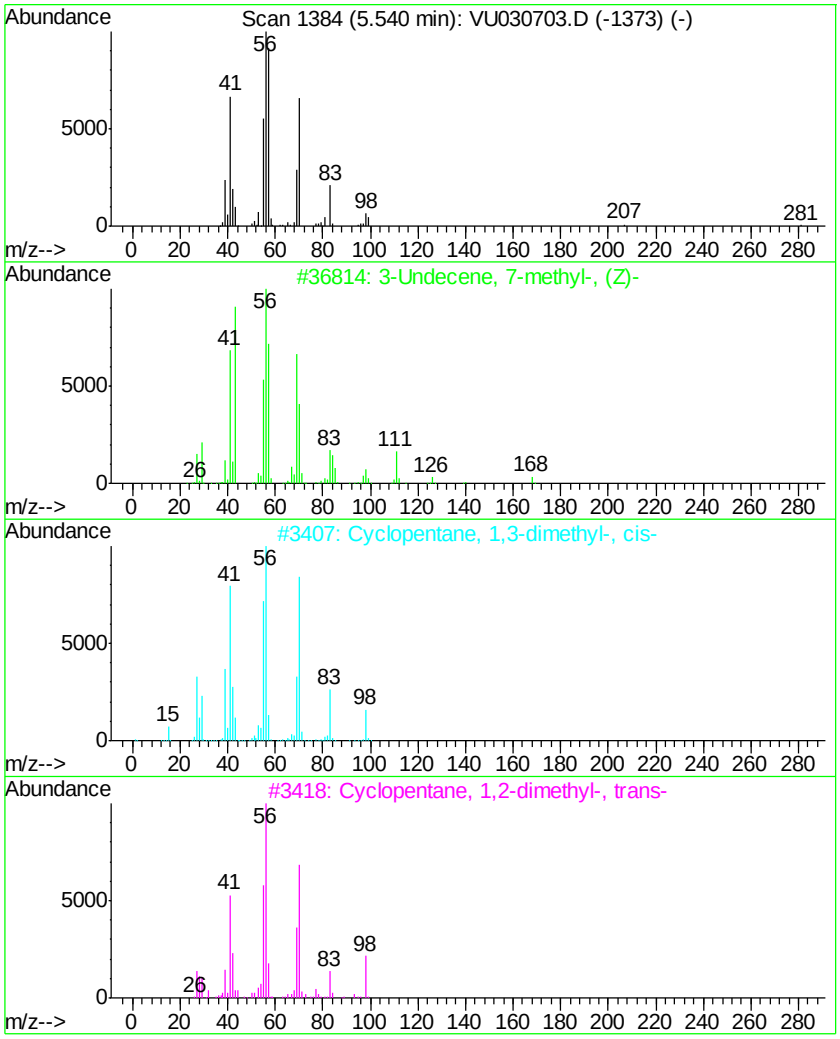
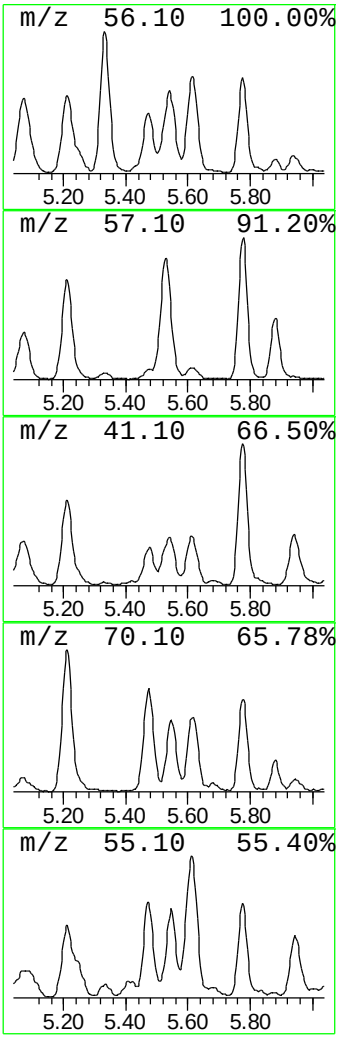
Peak Number 16 (DEL) Alkane: Cyclic5.54 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	20.30 ug/L	515266	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Undecene, 7-methyl-, (Z)-	168	C12H24	074630-49-2	78
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

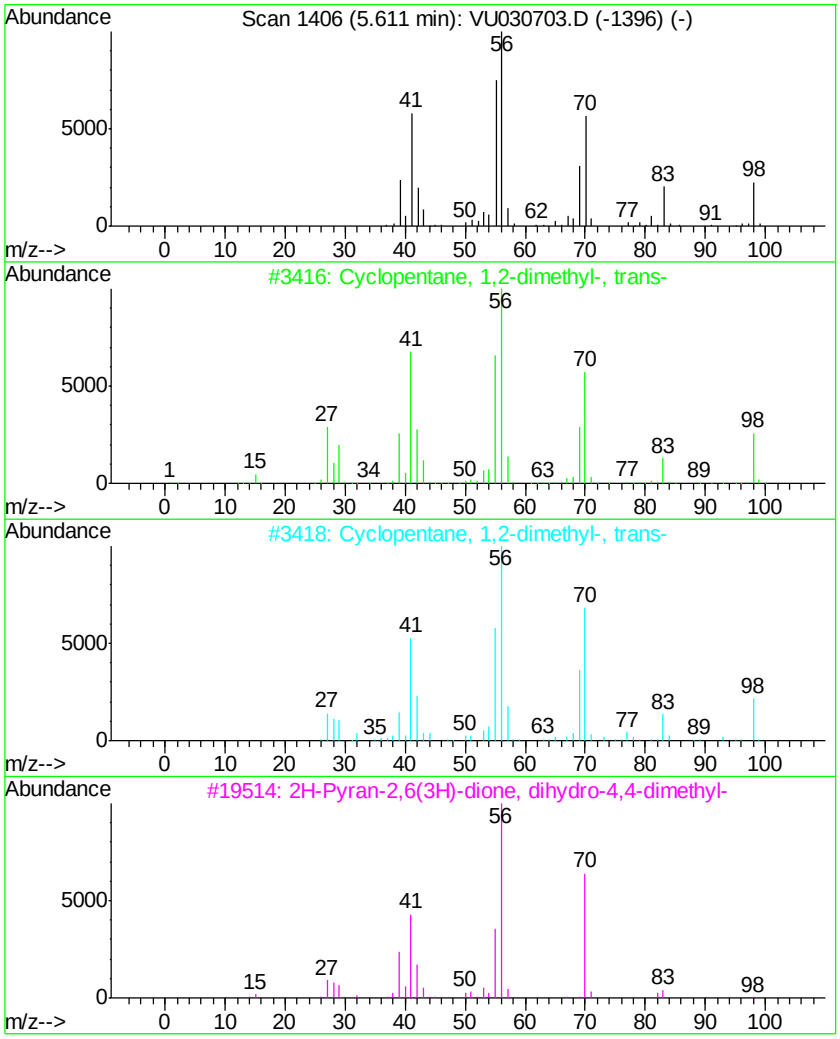
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

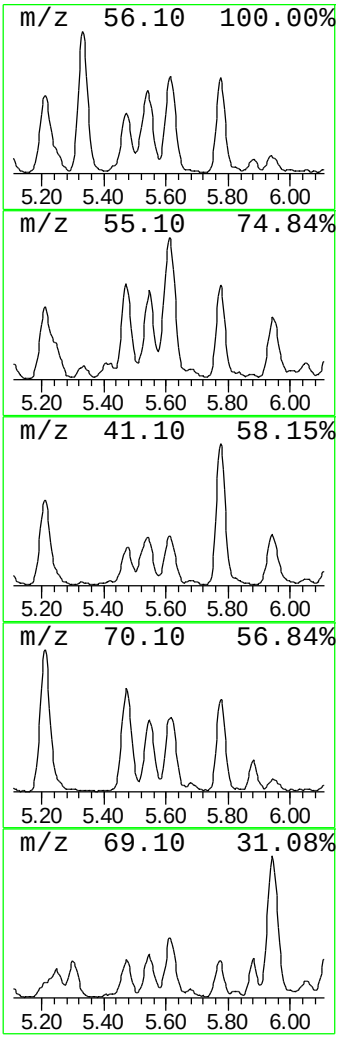
****

Peak Number 17 (DEL) Alkane: Cyclic5.61 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	18.45 ug/L	468277	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	87
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	86
3	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	64
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	58
5	Isopropylcyclobutane	98	C7H14	000872-56-0	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

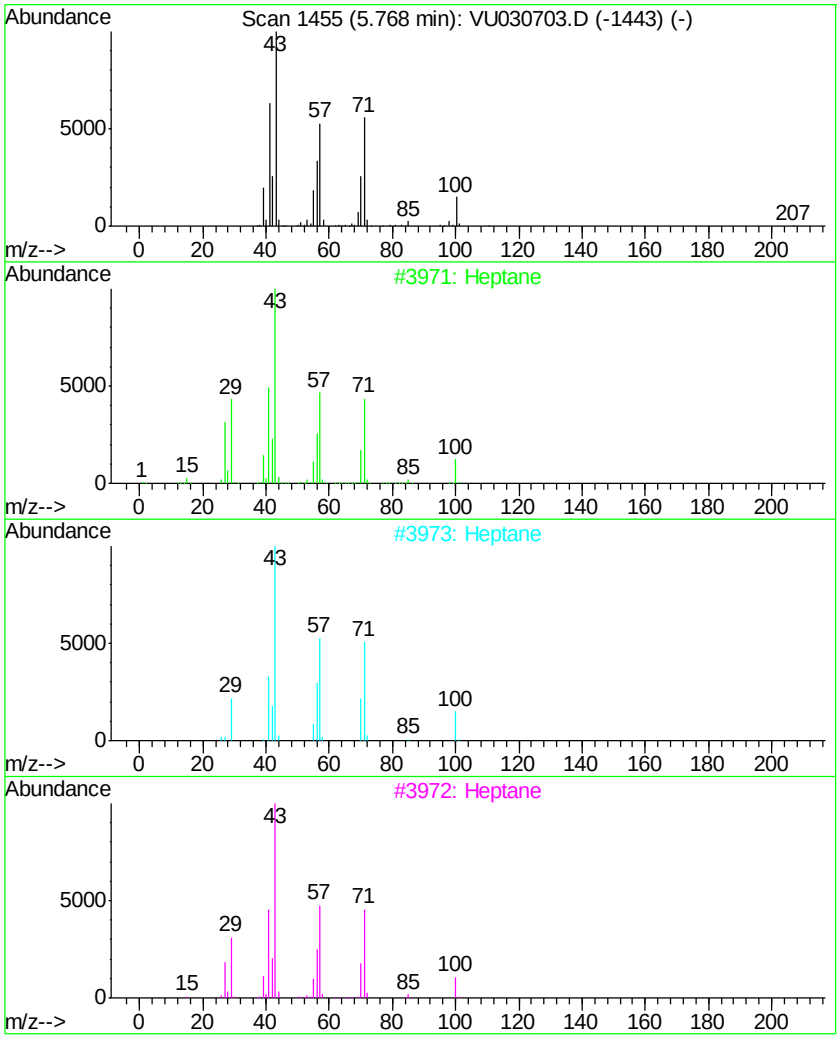
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

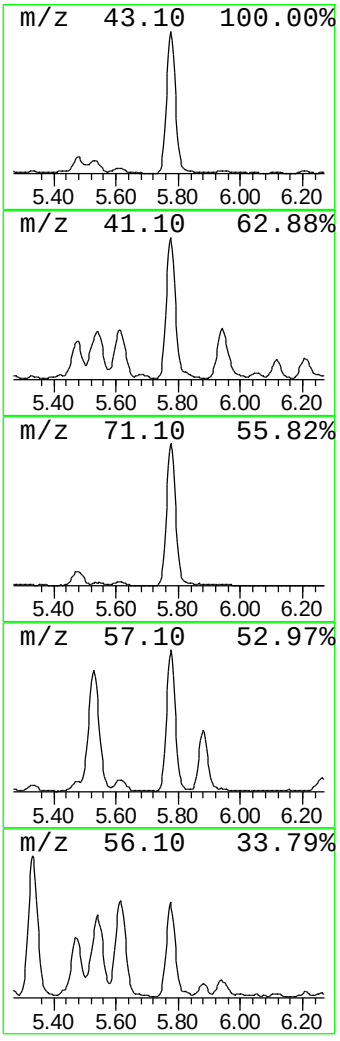
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	42.02 ug/L	1066560	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	91
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	91
5	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

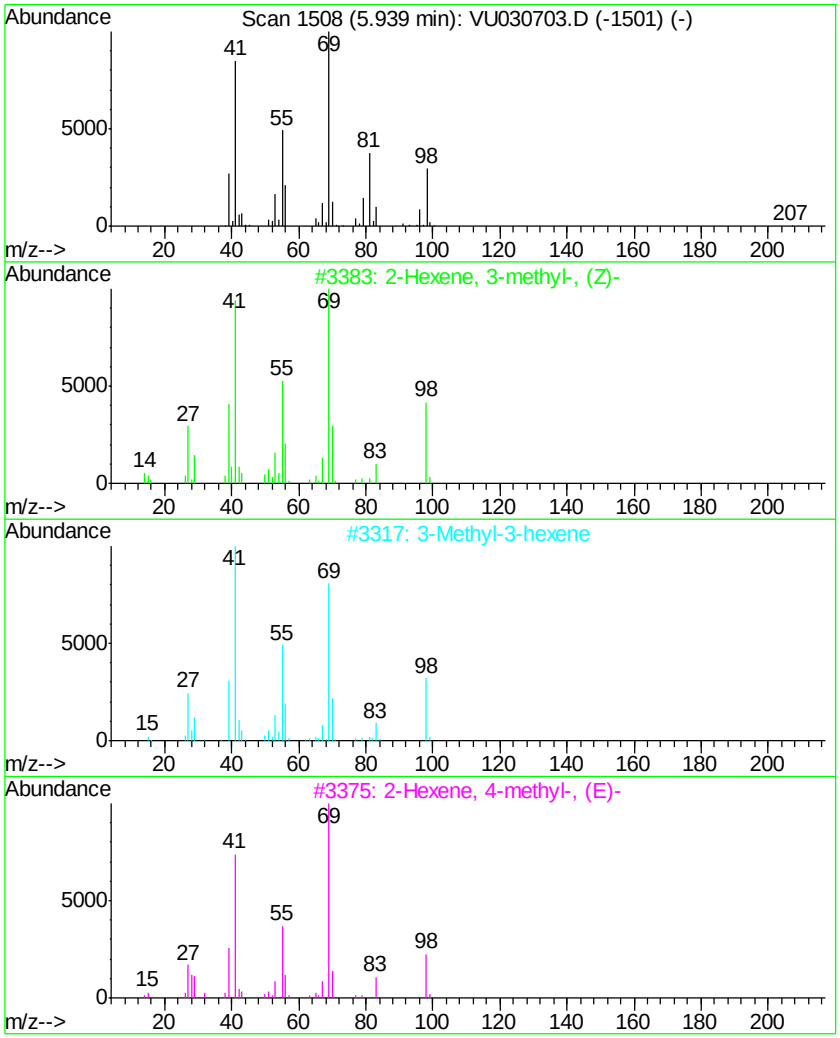
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

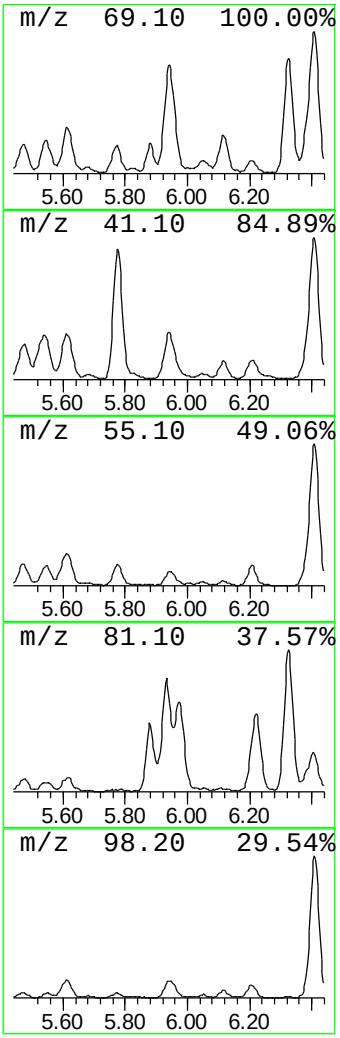
****

Peak Number 19 (DEL) Alkane: Cyclic5.94 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	17.66 ug/L	448356	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	87
2	3-Methyl-3-hexene	98	C7H14	003404-65-7	87
3	2-Hexene, 4-methyl-, (E)-	98	C7H14	003683-22-5	87
4	3-Methyl-3-hexene	98	C7H14	003404-65-7	83
5	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

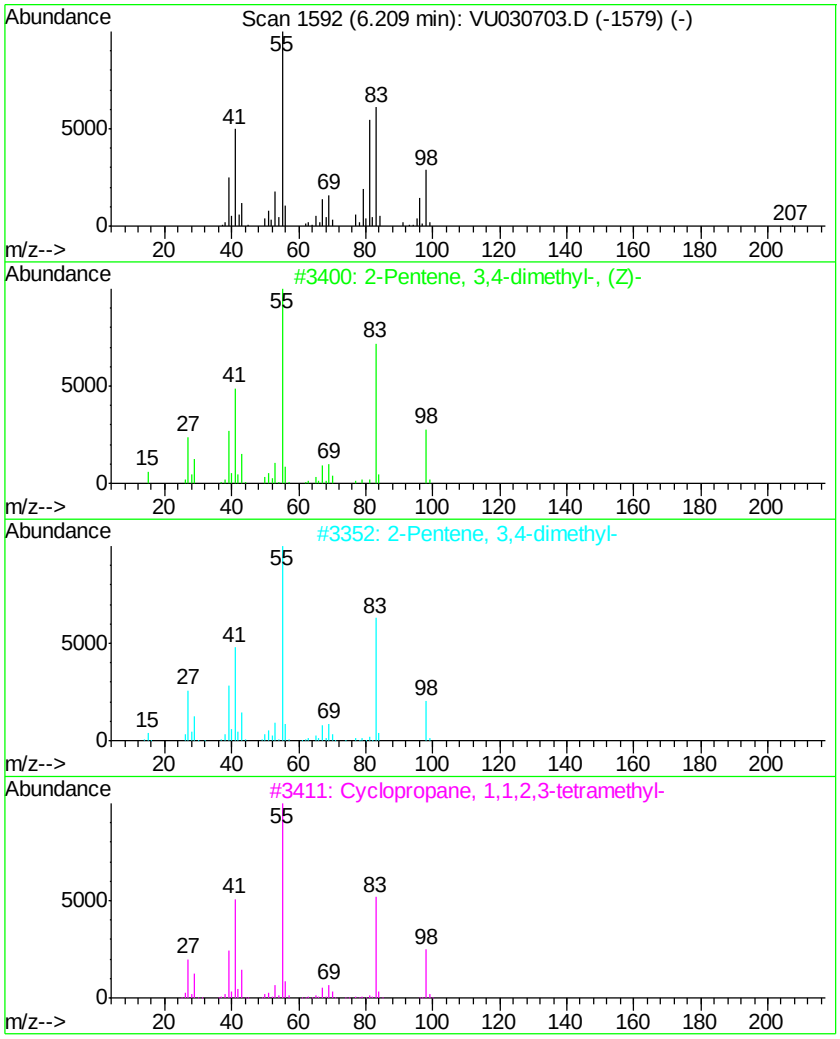
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

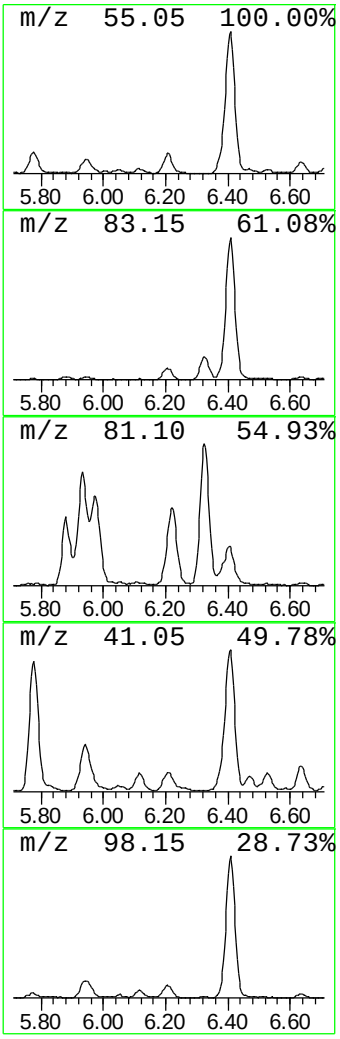
****

Peak Number 20 (DEL) Alkane: Cyclic6.21 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	9.10 ug/L	231028	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	55
2	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	55
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-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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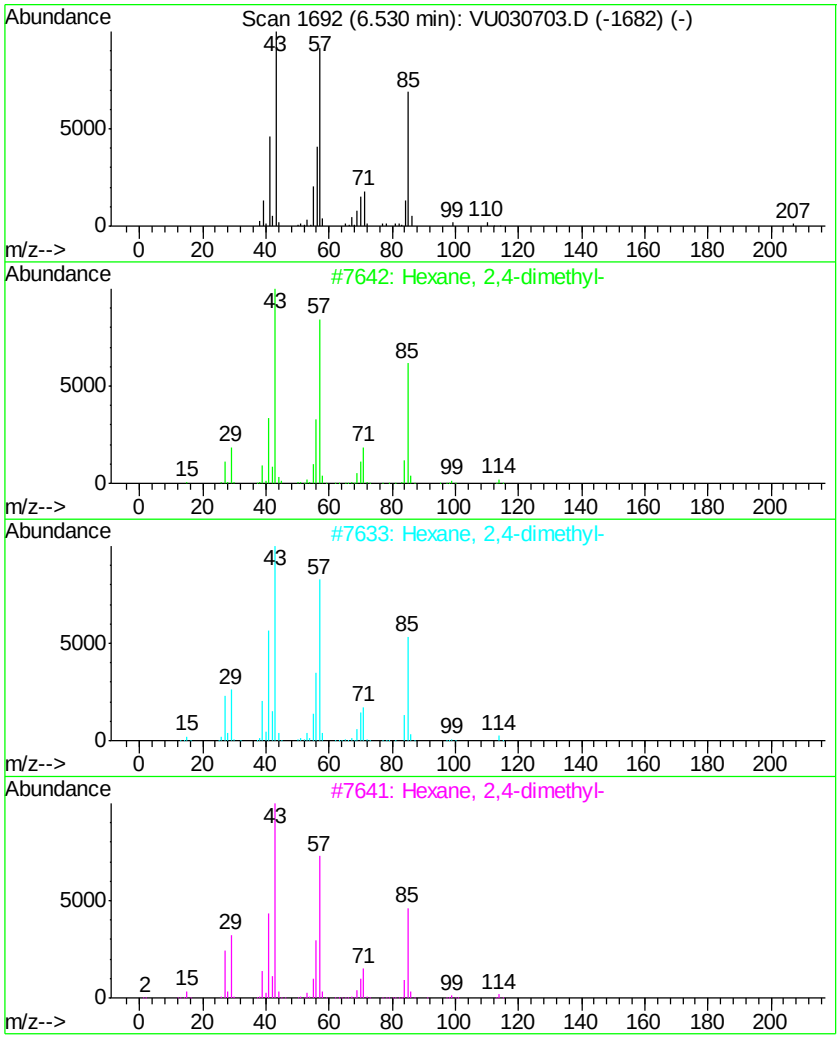
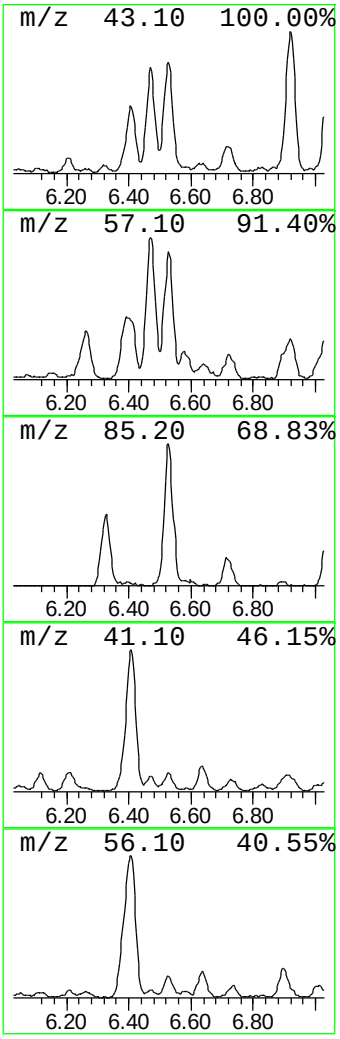
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	6.37 ug/L	161629	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	Heptane, 3-methyl-	114	C8H18	000589-81-1	72
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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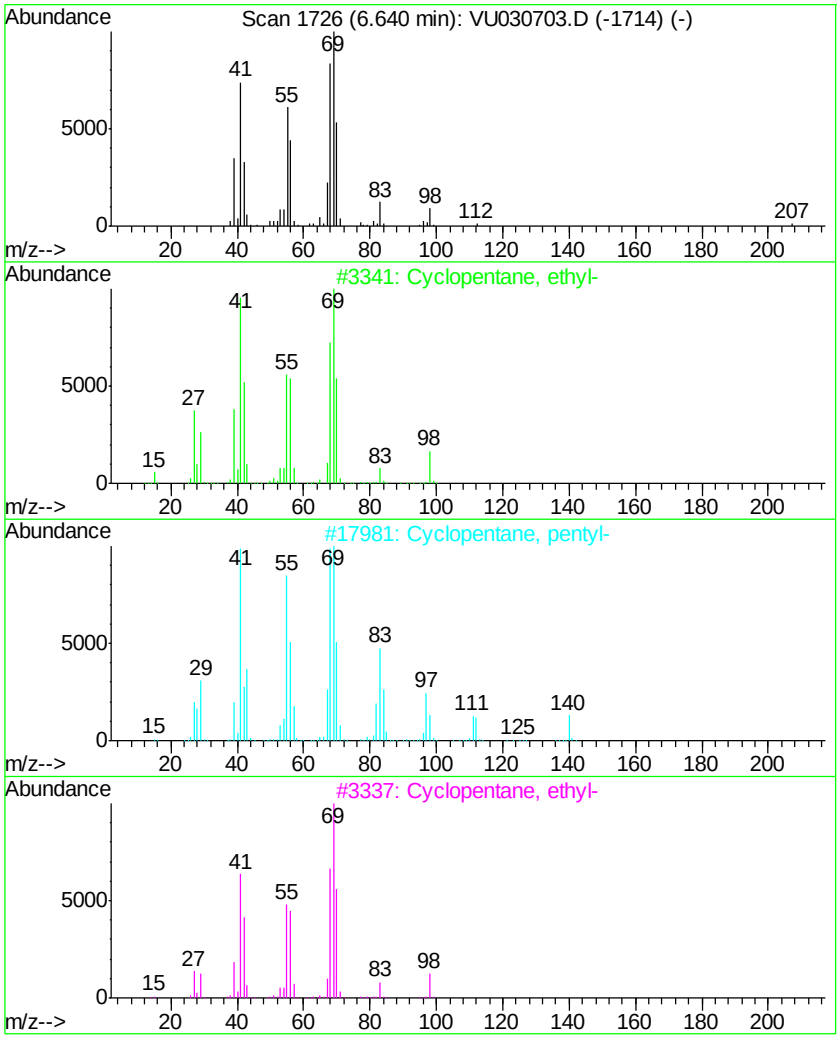
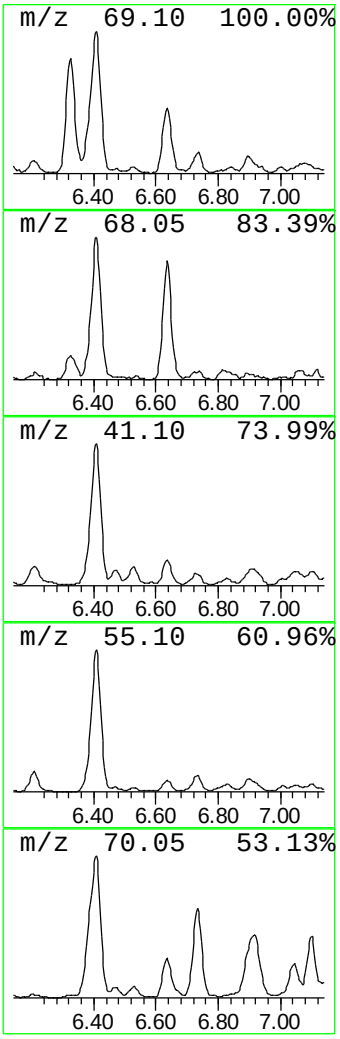
Peak Number 22 (DEL) Alkane: Cyclic6.64 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	7.80 ug/L	197985	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	91
2	Cyclopentane, pentyl-	140	C10H20	003741-00-2	78
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	72
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

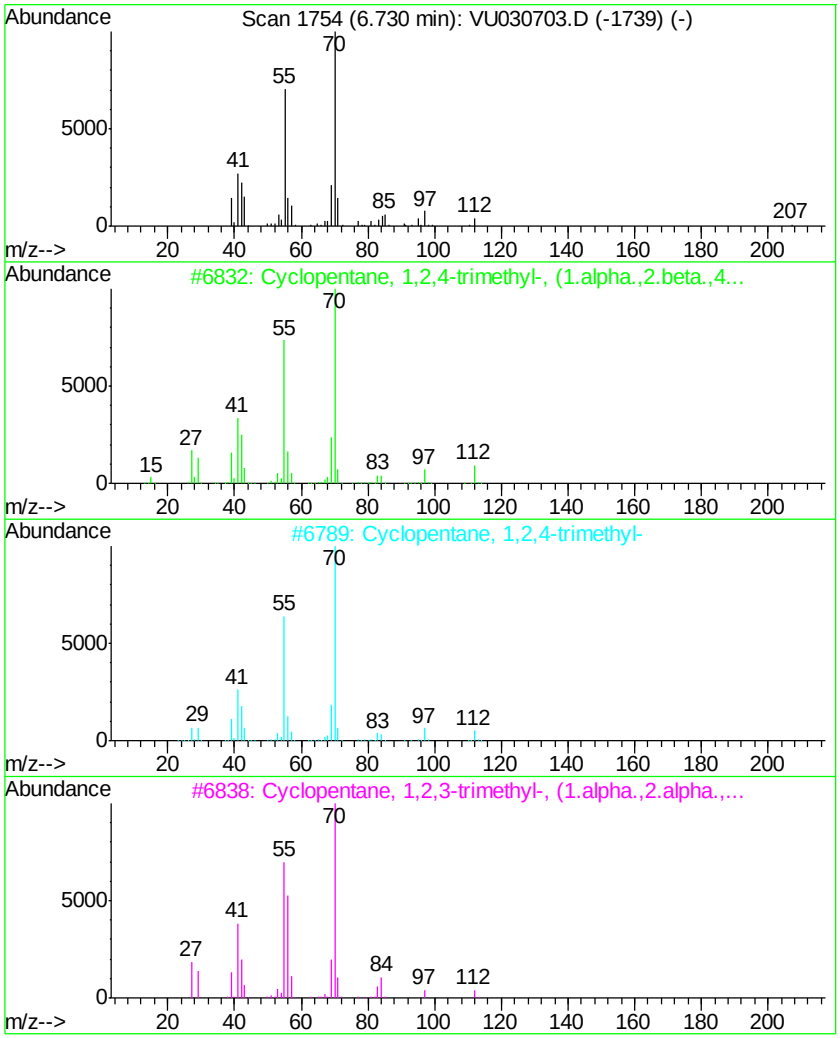
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

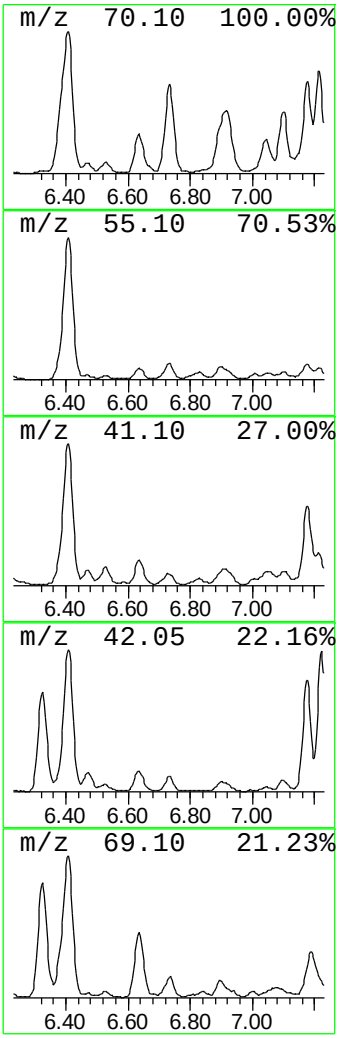
****

Peak Number 23 (DEL) Alkane: Cyclic6.73 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	7.24 ug/L	183799	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	64





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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

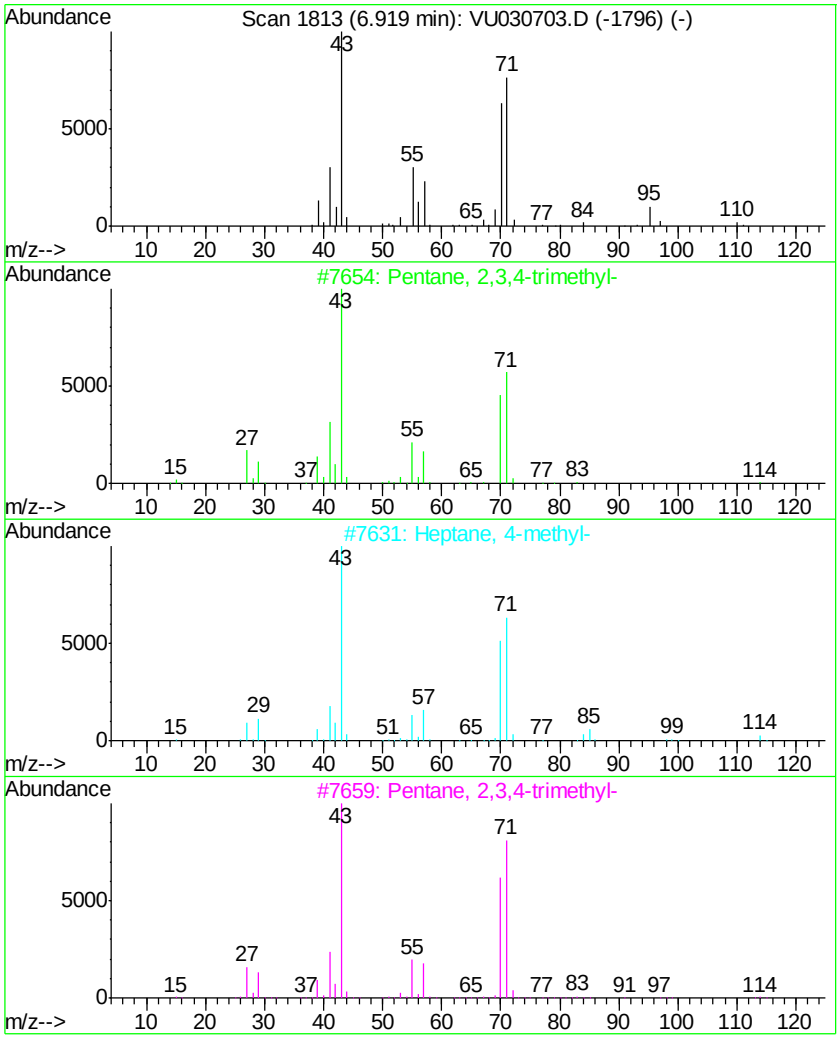
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

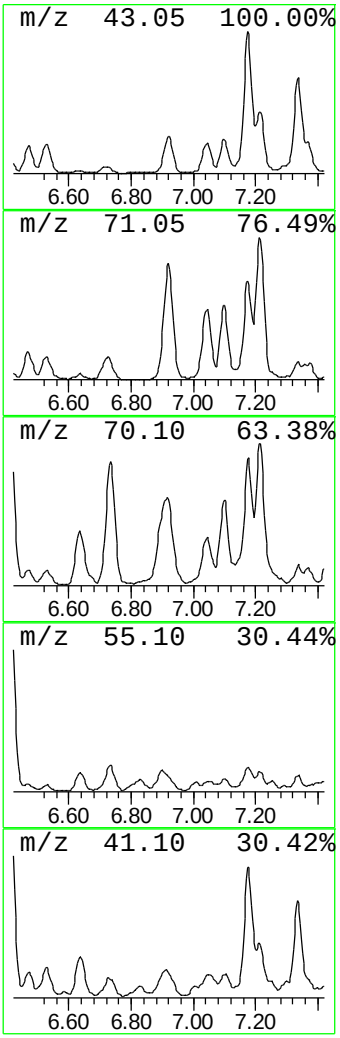
****

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	12.37 ug/L	314121	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	80
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	72





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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

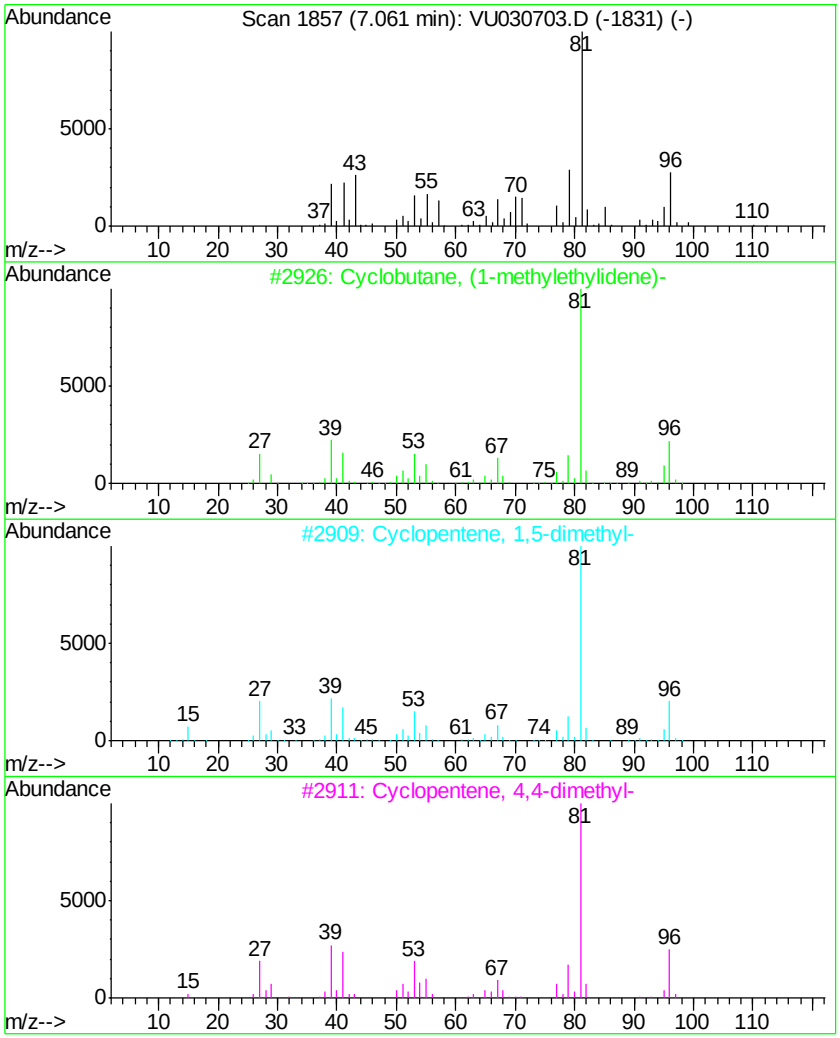
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

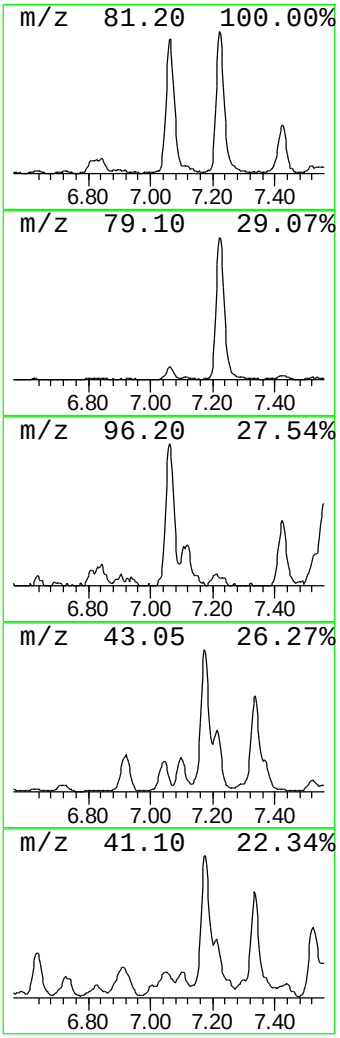
****

Peak Number 25 Cyclobutane, (1-methylethyl... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	13.99 ug/L	355142	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	76
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	70
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	58
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	53
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	50





Library Search Compound Report

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Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

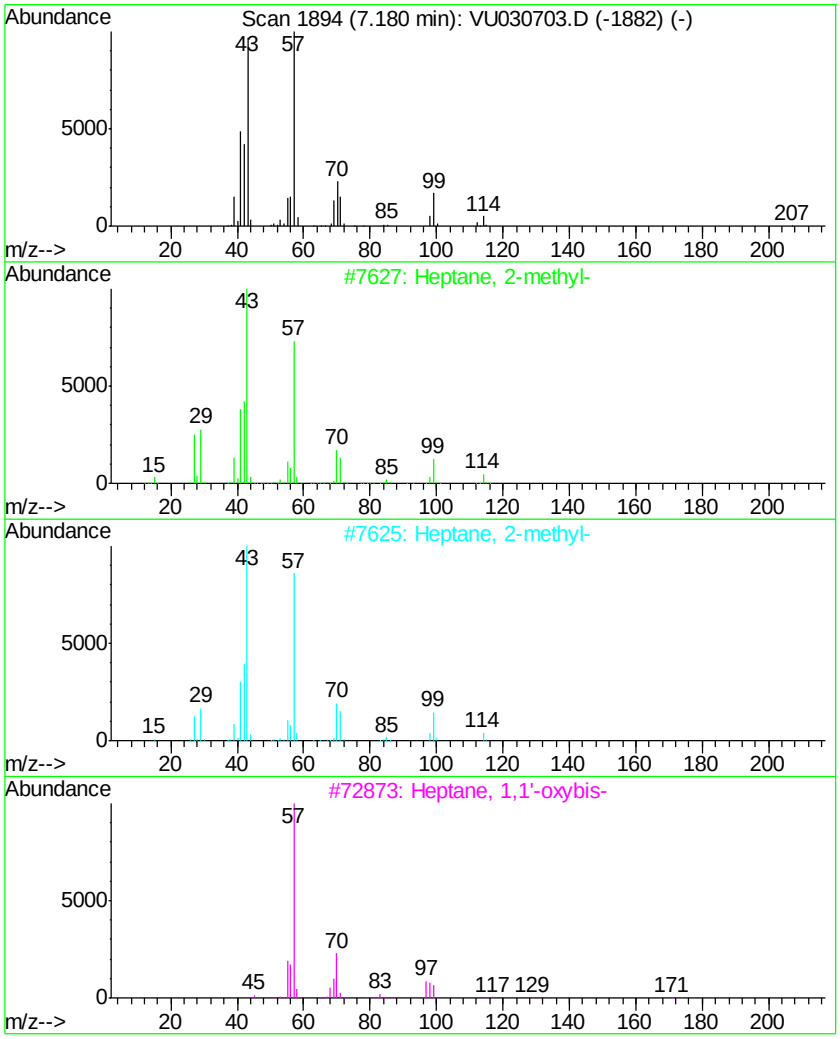
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

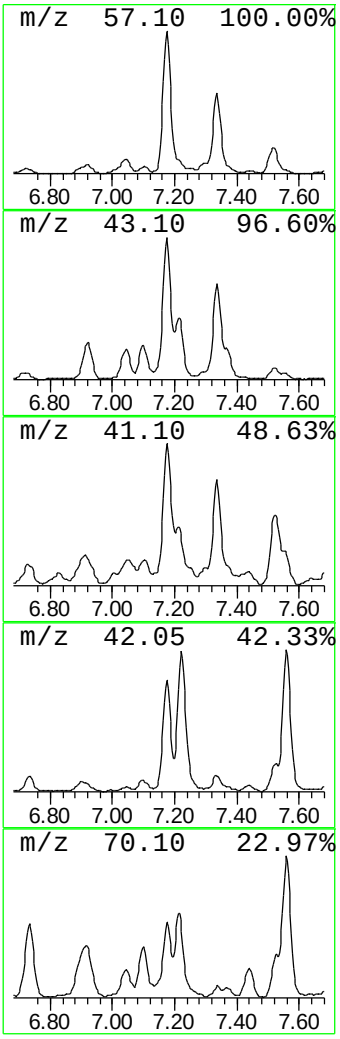
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	24.01 ug/L	609364	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	91
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	64
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5	Heptane, 2-methyl-	114	C8H18	000592-27-8	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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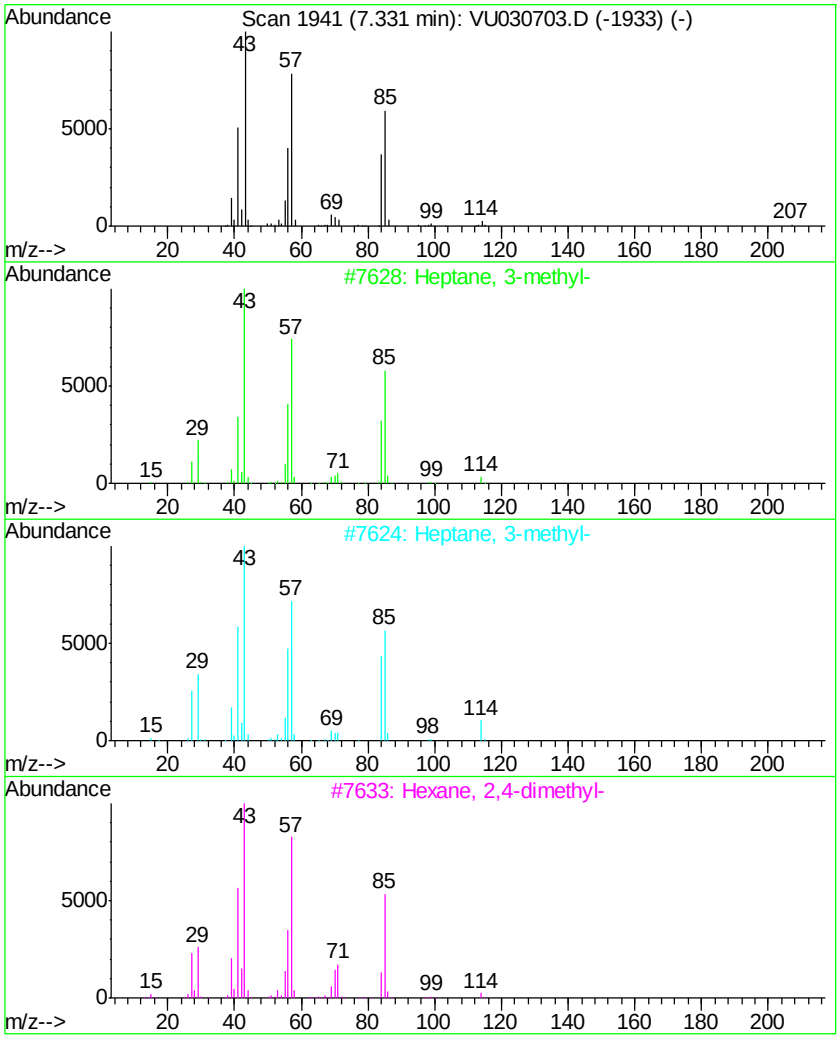
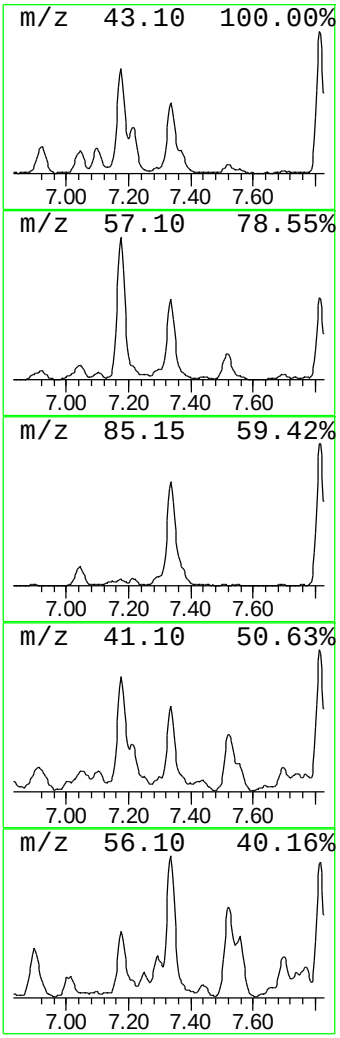
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	17.45 ug/L	442950	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	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

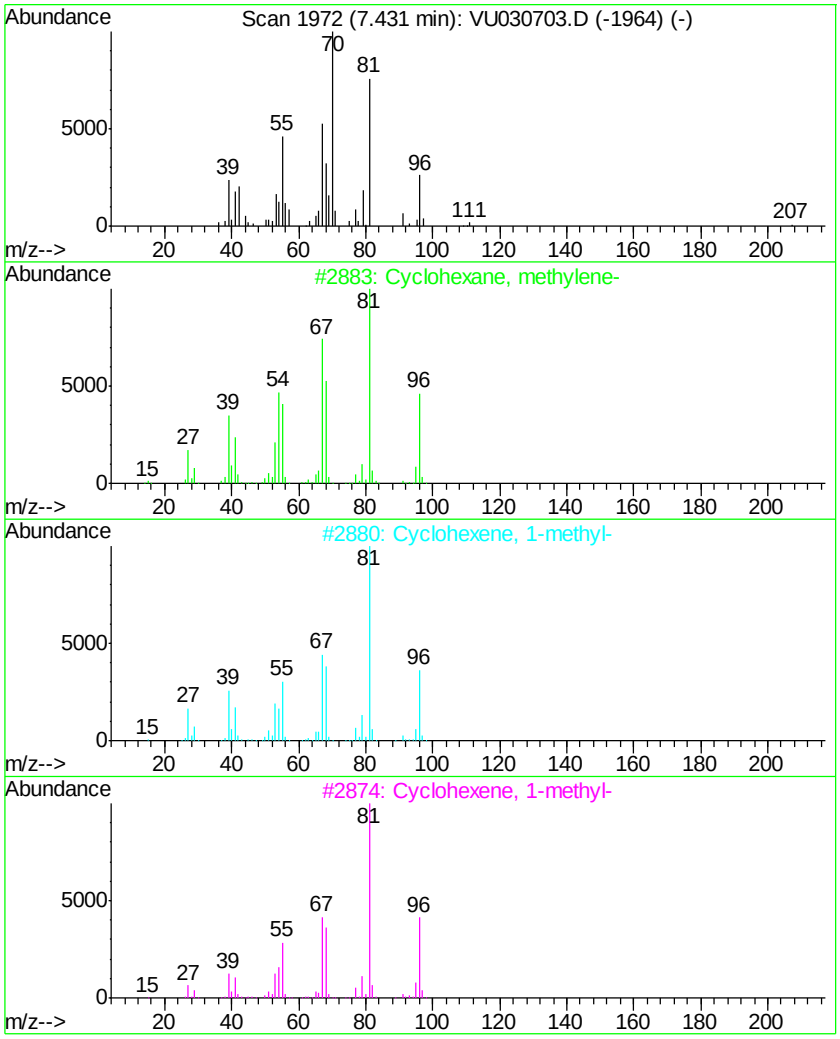
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

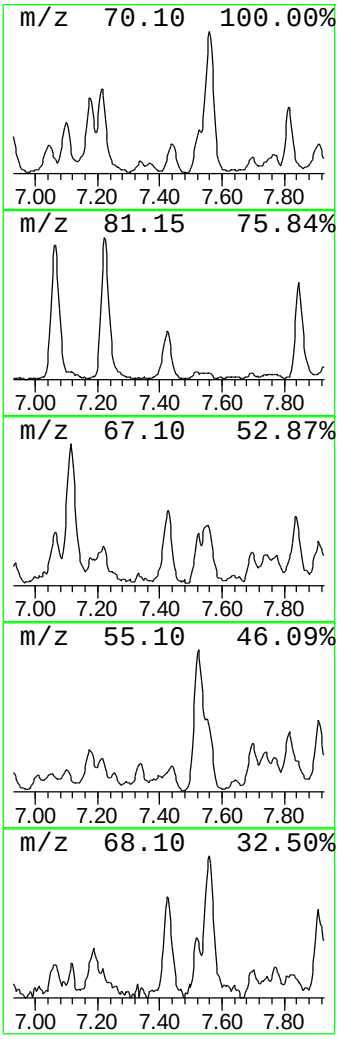
****

Peak Number 29 Cyclohexane, methylene- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	6.12 ug/L	155296	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methylene-	96	C7H12	001192-37-6	64
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	64
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	60
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	49
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

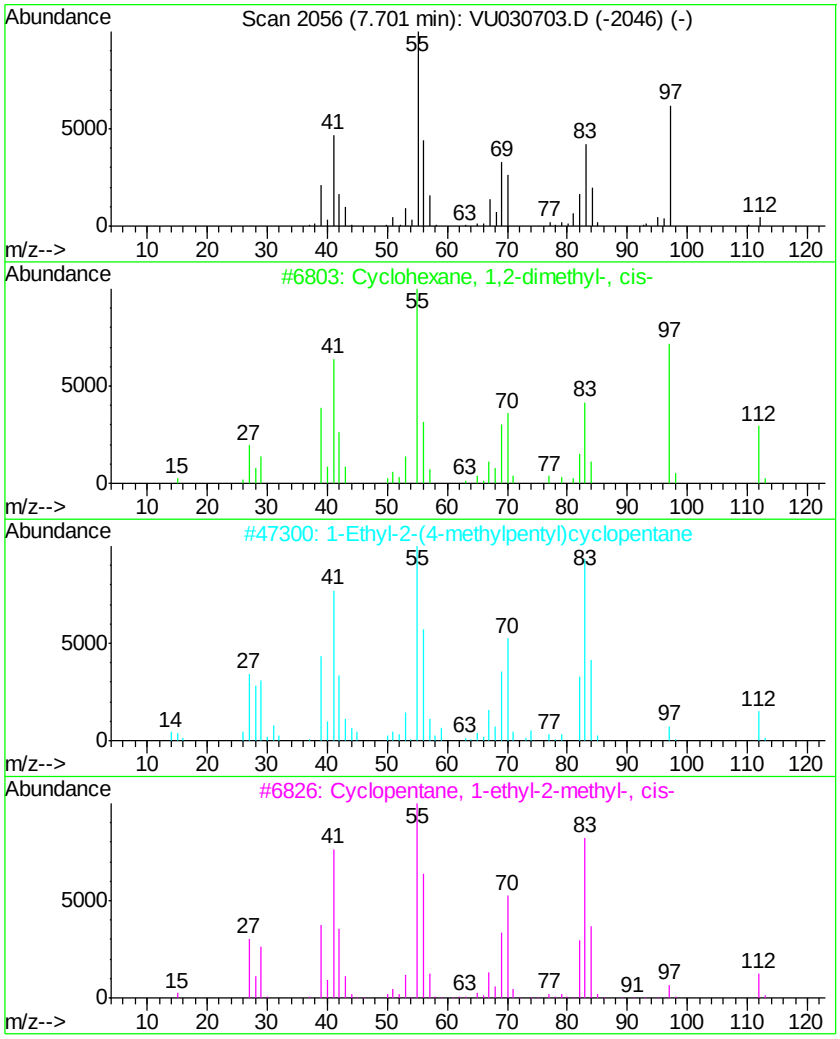
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

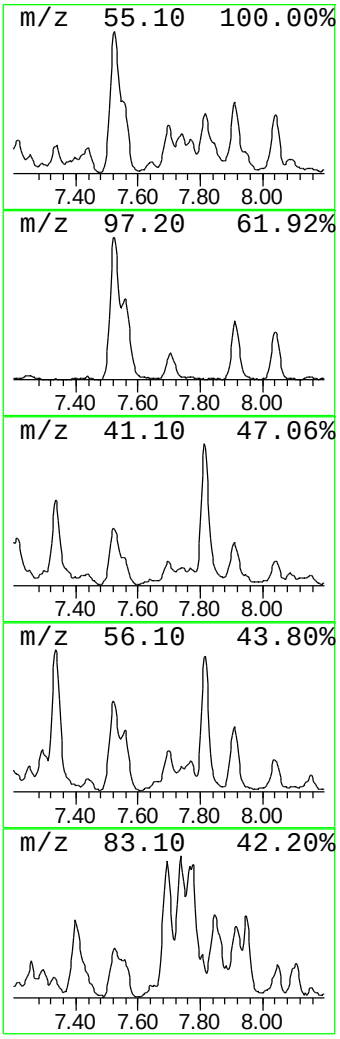
****

Peak Number 30 (DEL) Alkane: Cyclic7.70 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	4.66 ug/L	138642	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	80
2	1-Ethyl-2-(4-methylpentyl)cyclop...	182	C13H26	219726-60-0	64
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	53
4	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	52
5	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

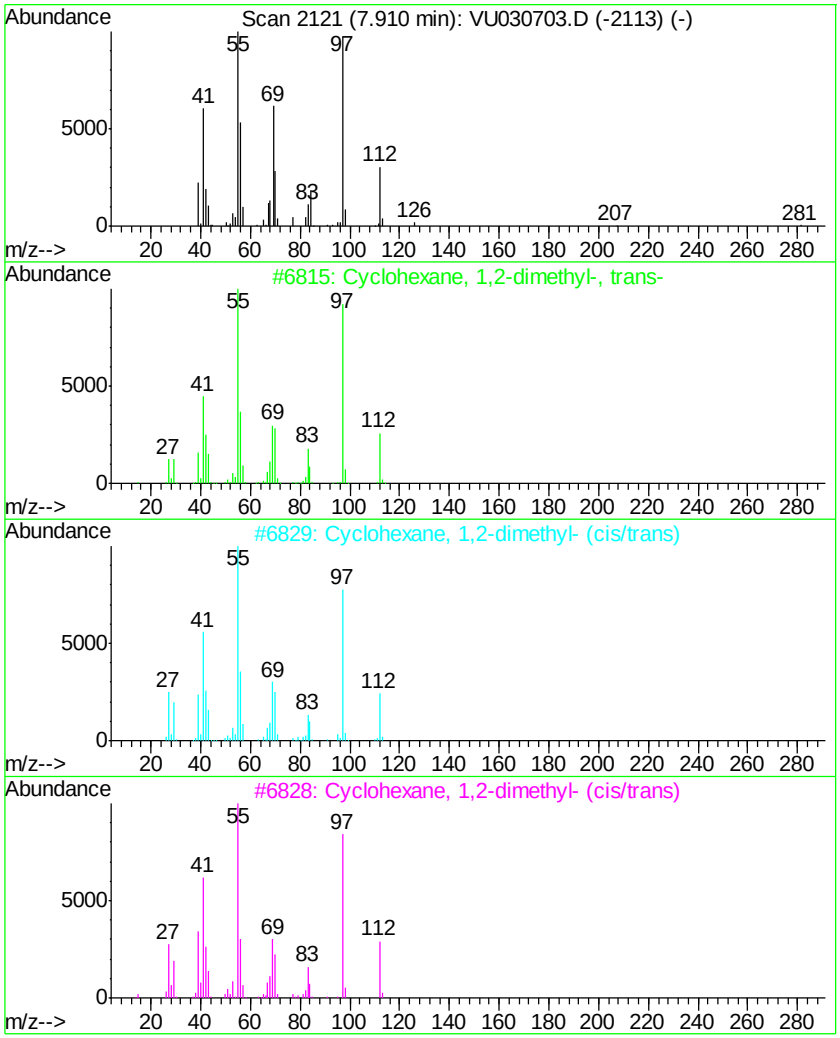
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

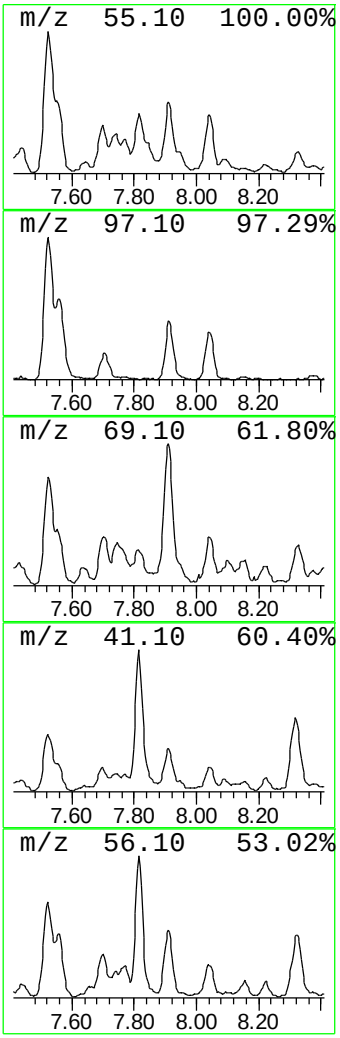
****

Peak Number 31 (DEL) Alkane: Cyclic7.91 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	11.13 ug/L	331068	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	83
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	83
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

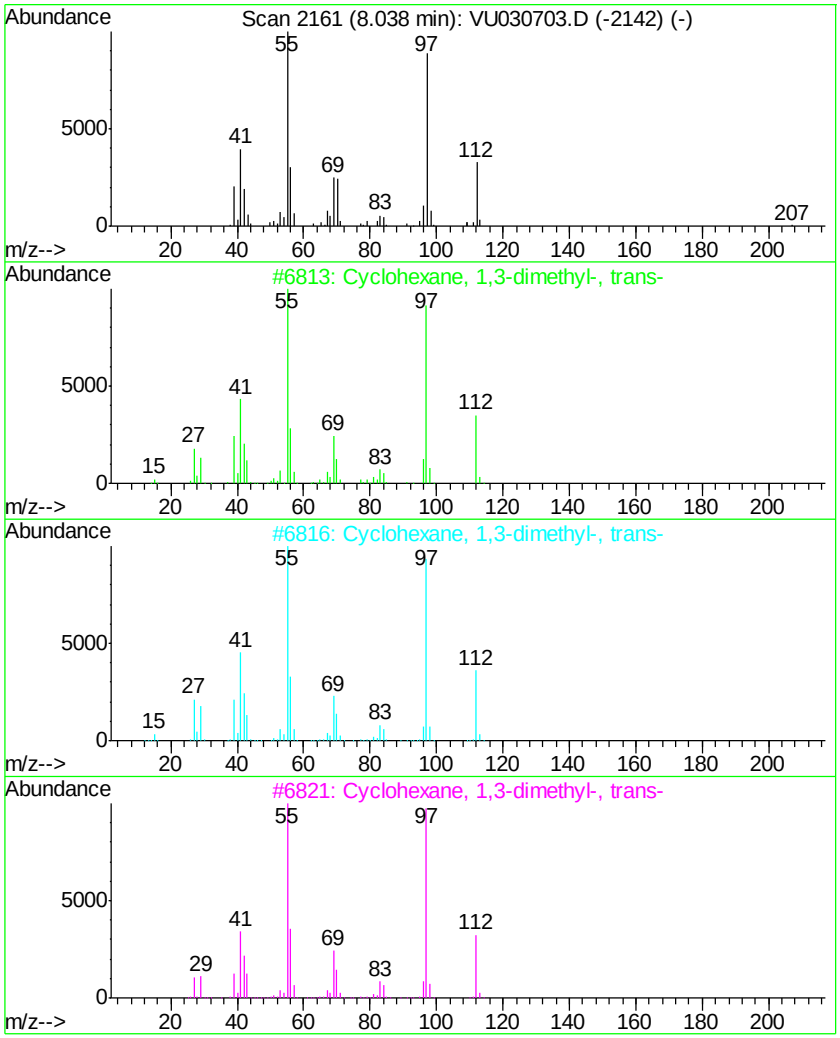
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

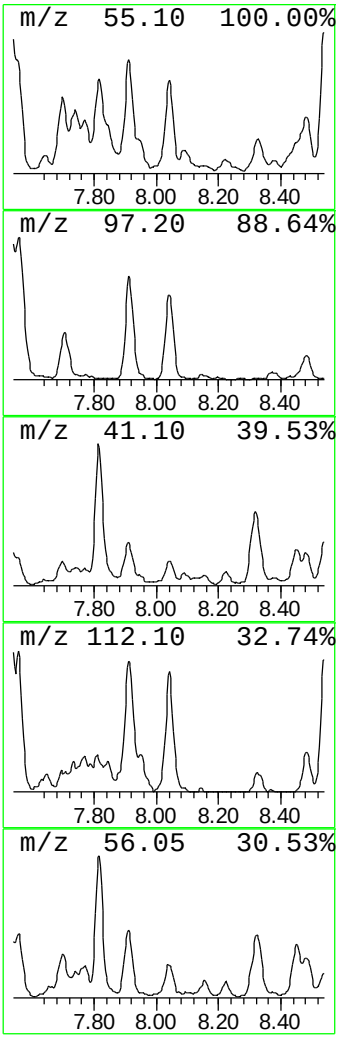
****

Peak Number 32 (DEL) Alkane: Cyclic8.04 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	6.22 ug/L	185019	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

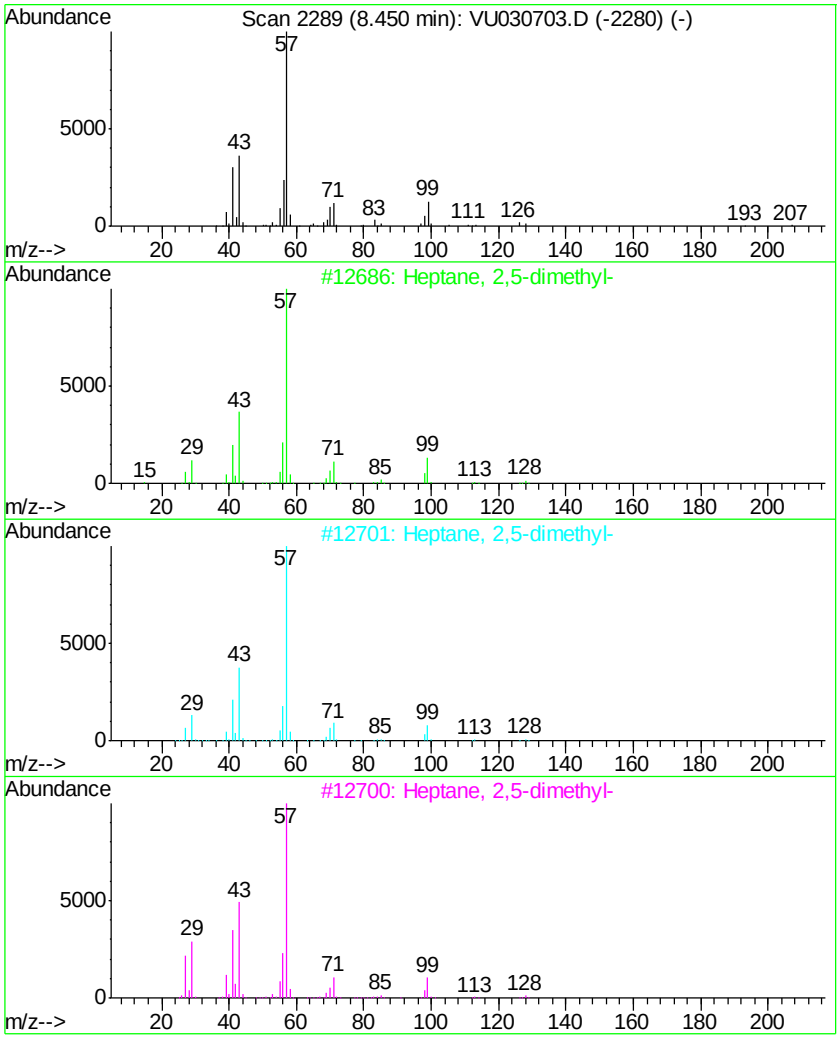
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

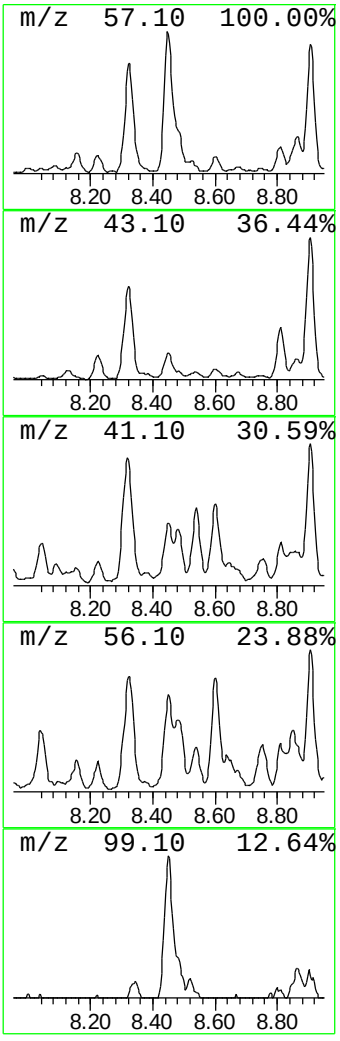
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	6.13 ug/L	182383	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
4	Octane, 3-methyl-	128	C9H20	002216-33-3	87
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

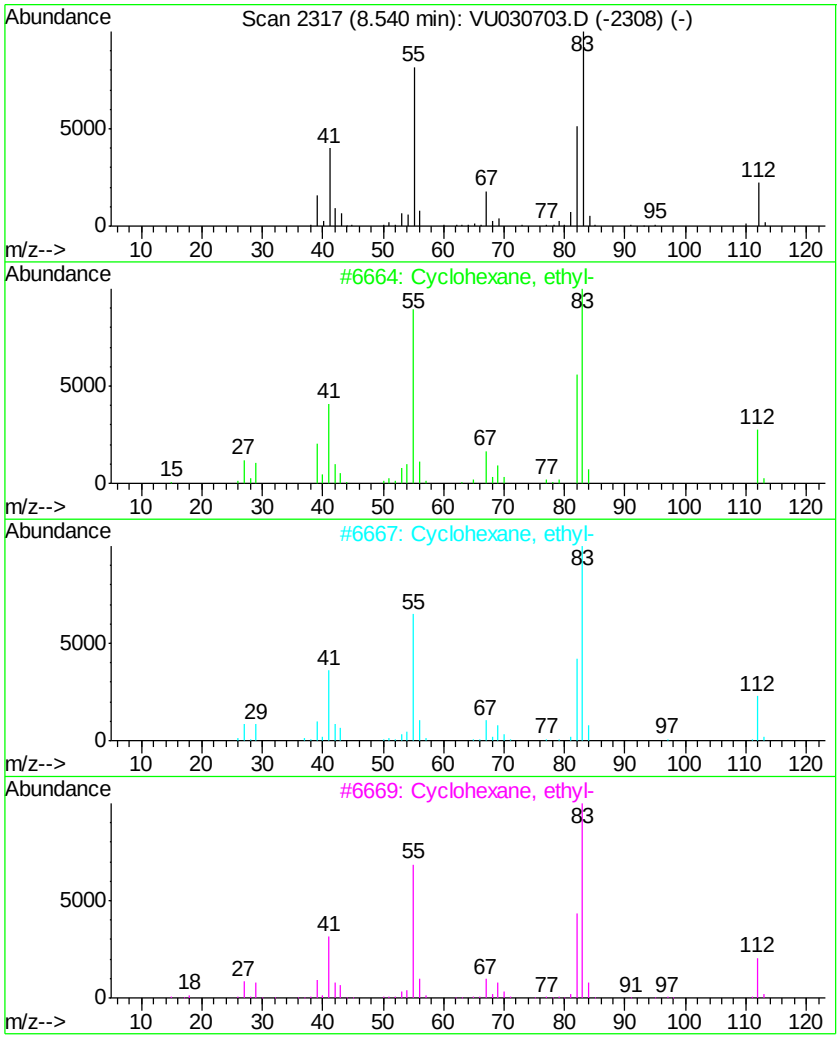
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

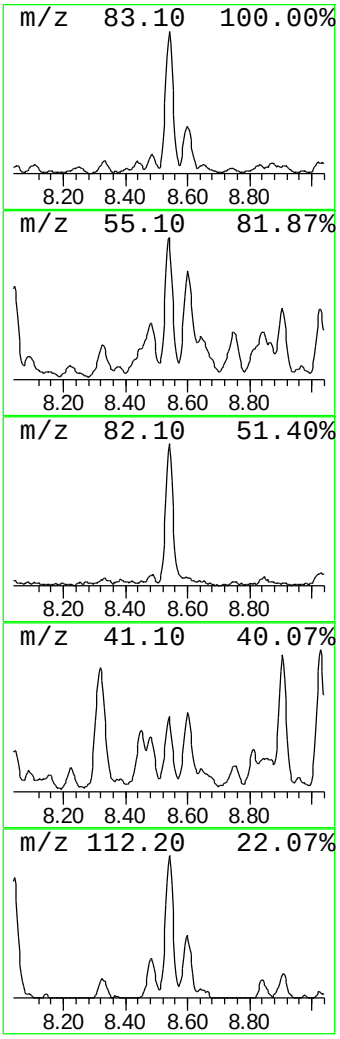
****

Peak Number 34 (DEL) Alkane: Cyclic8.54 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	7.40 ug/L	219963	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	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

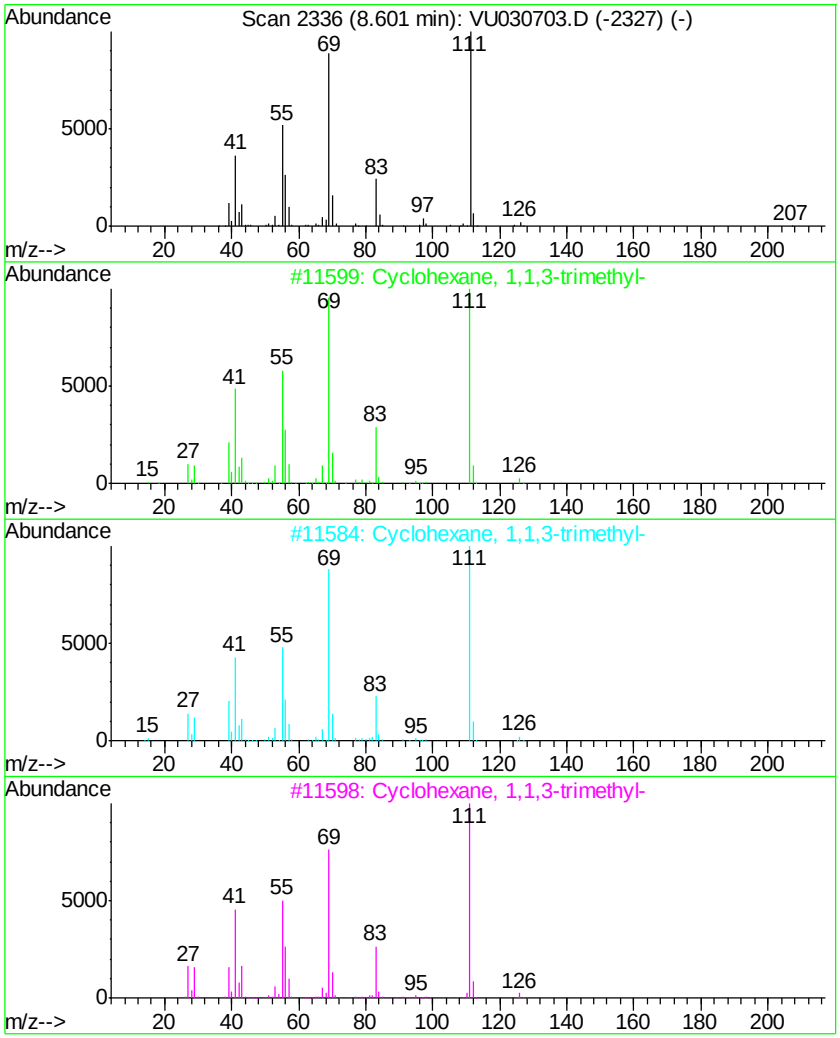
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

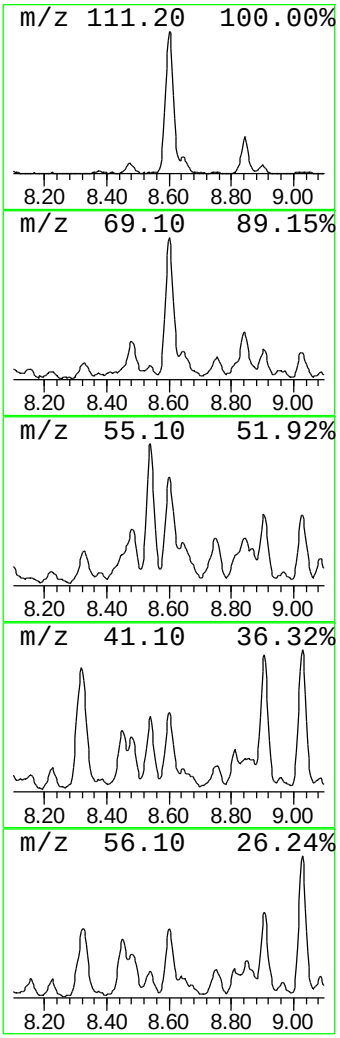
****

Peak Number 35 (DEL) Alkane: Cyclic8.60 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	9.68 ug/L	287847	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
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	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

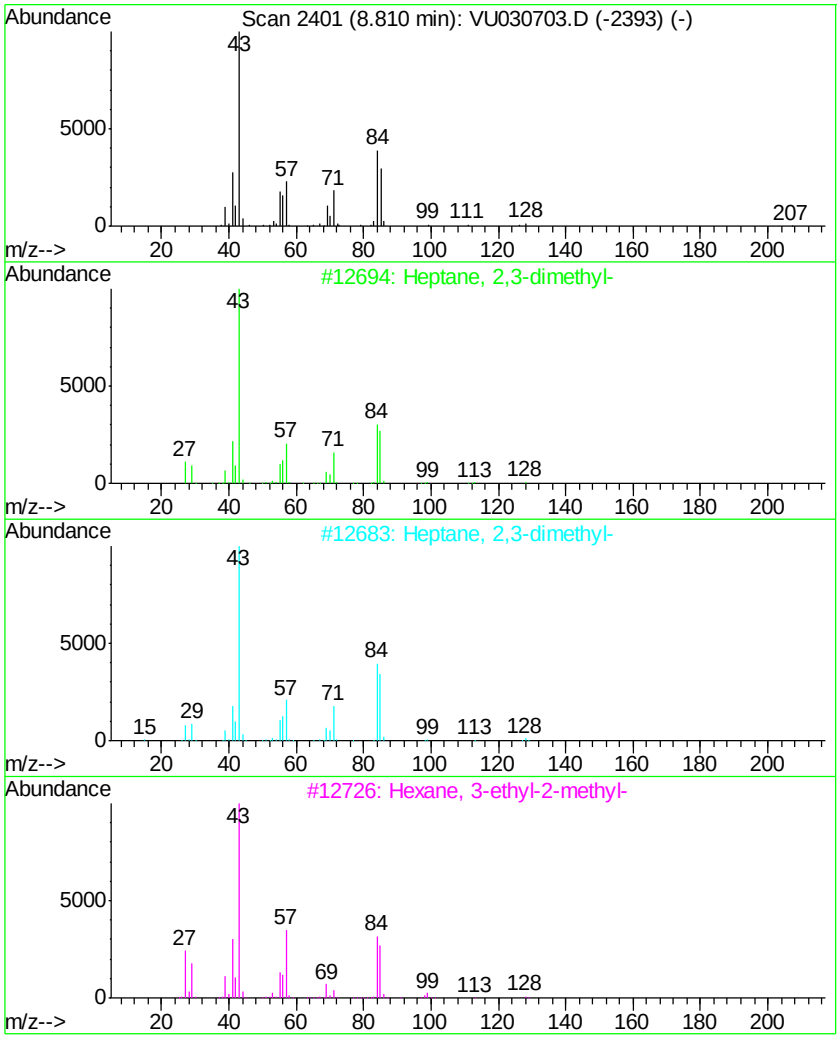
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

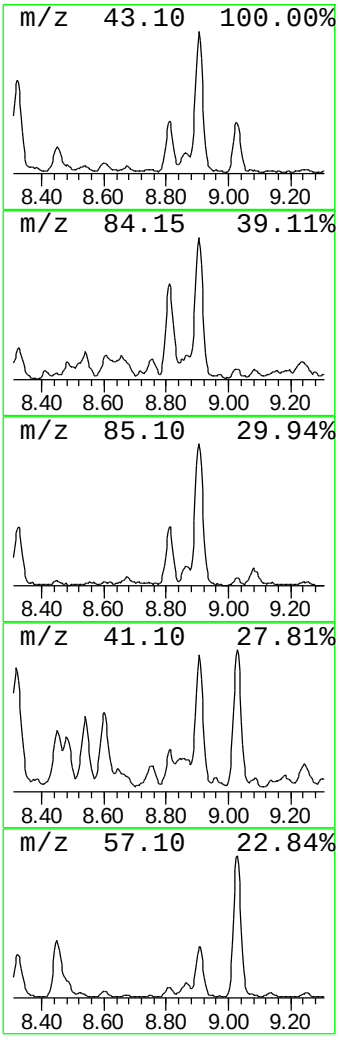
****

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	5.05 ug/L	150003	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	90
4	1-Octene, 4-methyl-	126	C9H18	013151-12-7	80
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

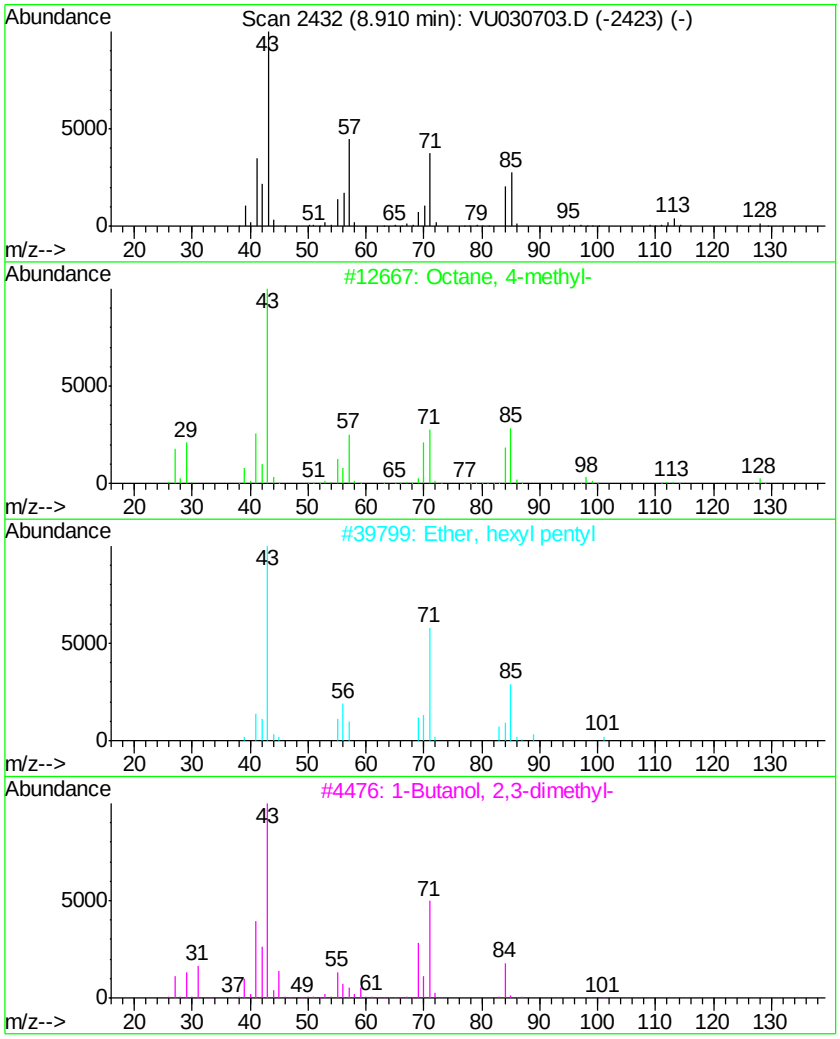
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

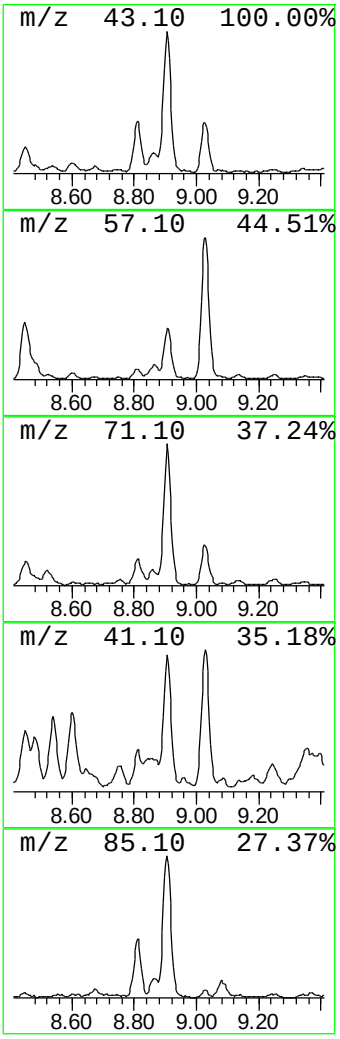
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	17.10 ug/L	508330	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	64
2	Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	59
4	Octane, 4-methyl-	128	C9H20	002216-34-4	58
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

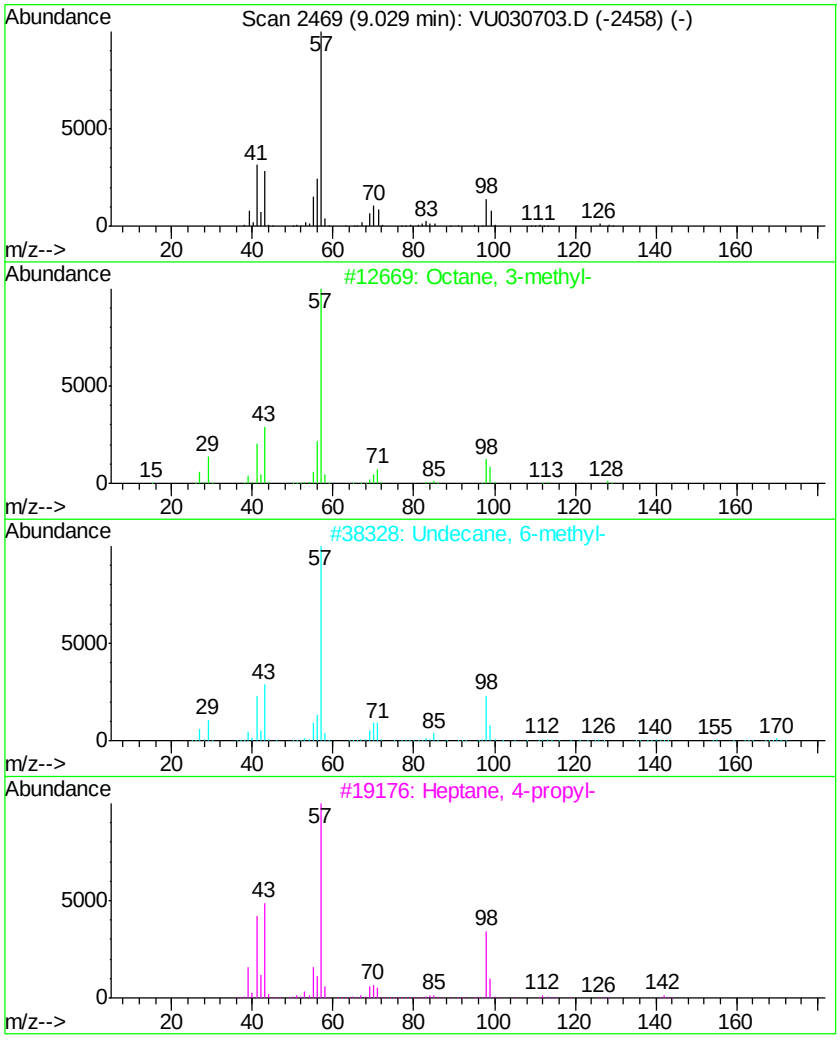
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

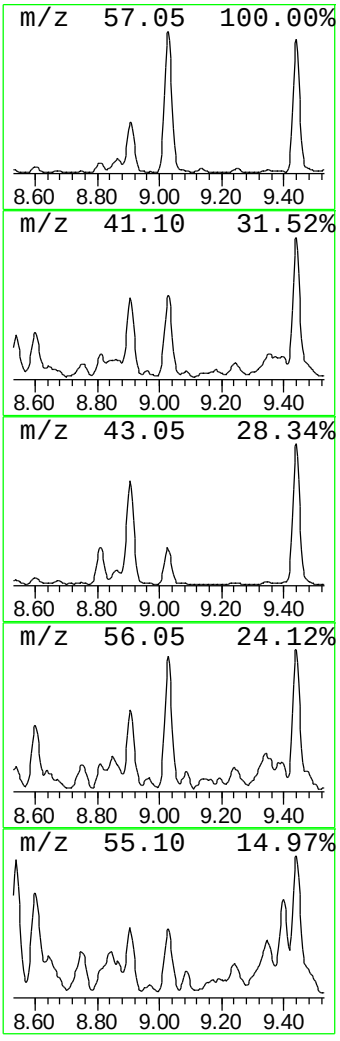
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	16.01 ug/L	476039	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	80
2	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	59
4	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

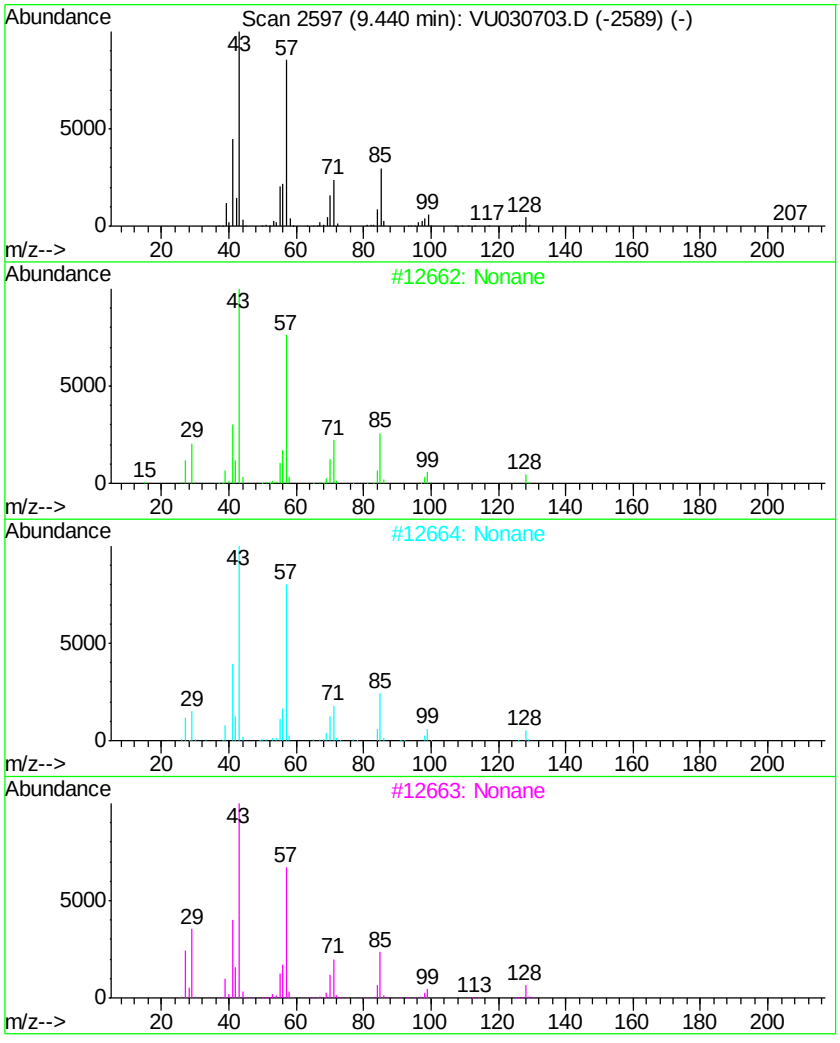
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

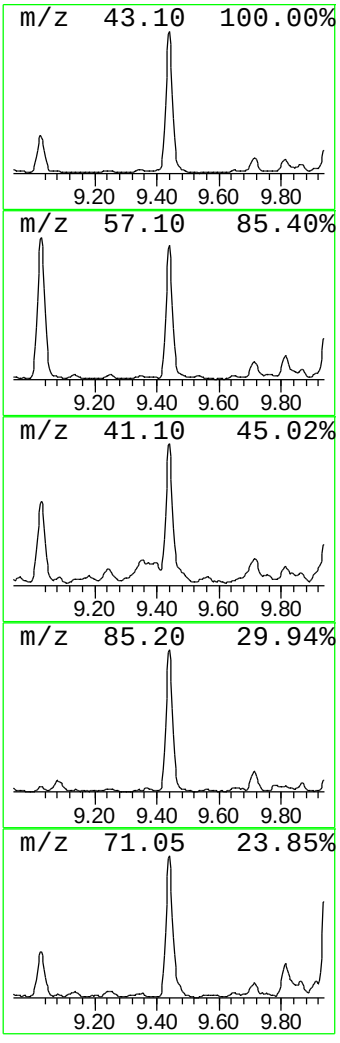
****

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	29.54 ug/L	878218	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	97
2	Nonane	128	C9H20	000111-84-2	91
3	Nonane	128	C9H20	000111-84-2	90
4	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64
5	Octane	114	C8H18	000111-65-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

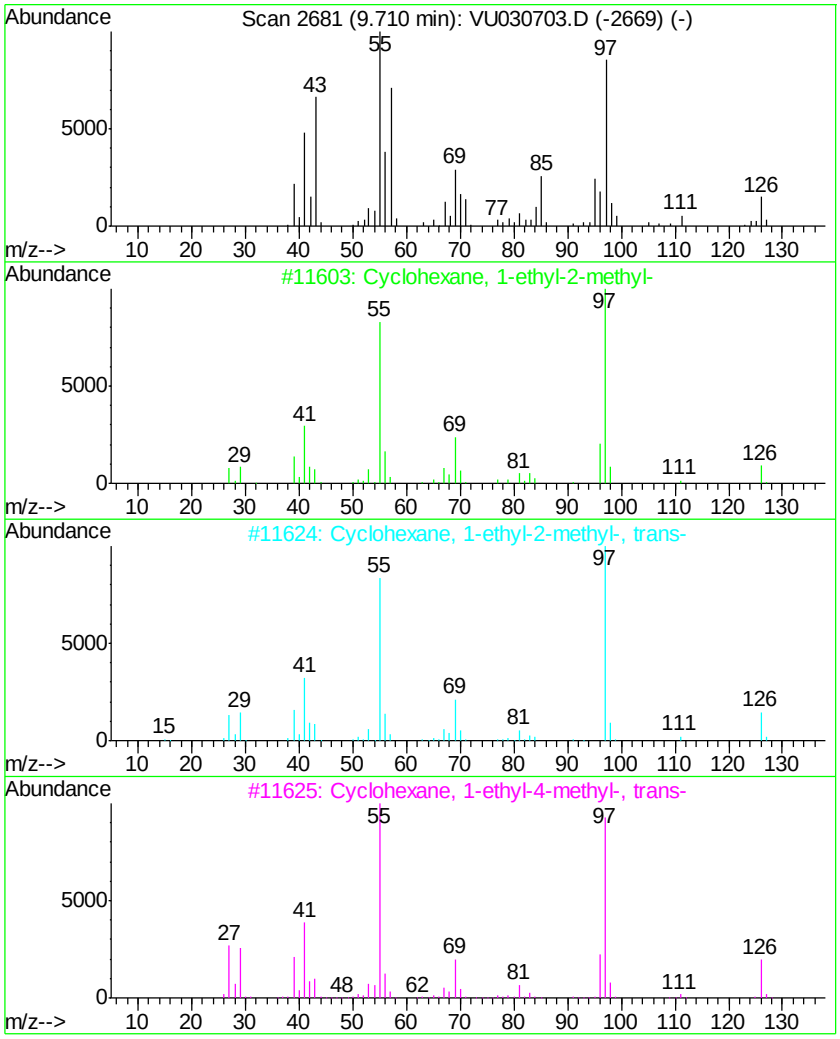
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

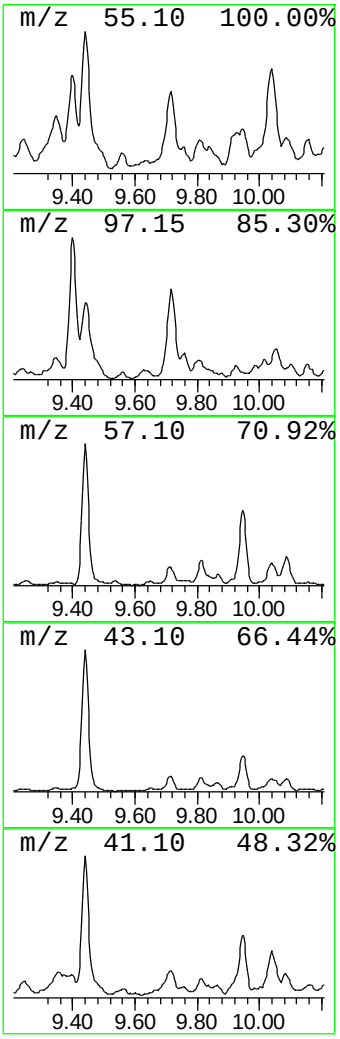
****

Peak Number 40 (DEL) Alkane: Cyclic9.71 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	7.56 ug/L	224805	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	70
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	62
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

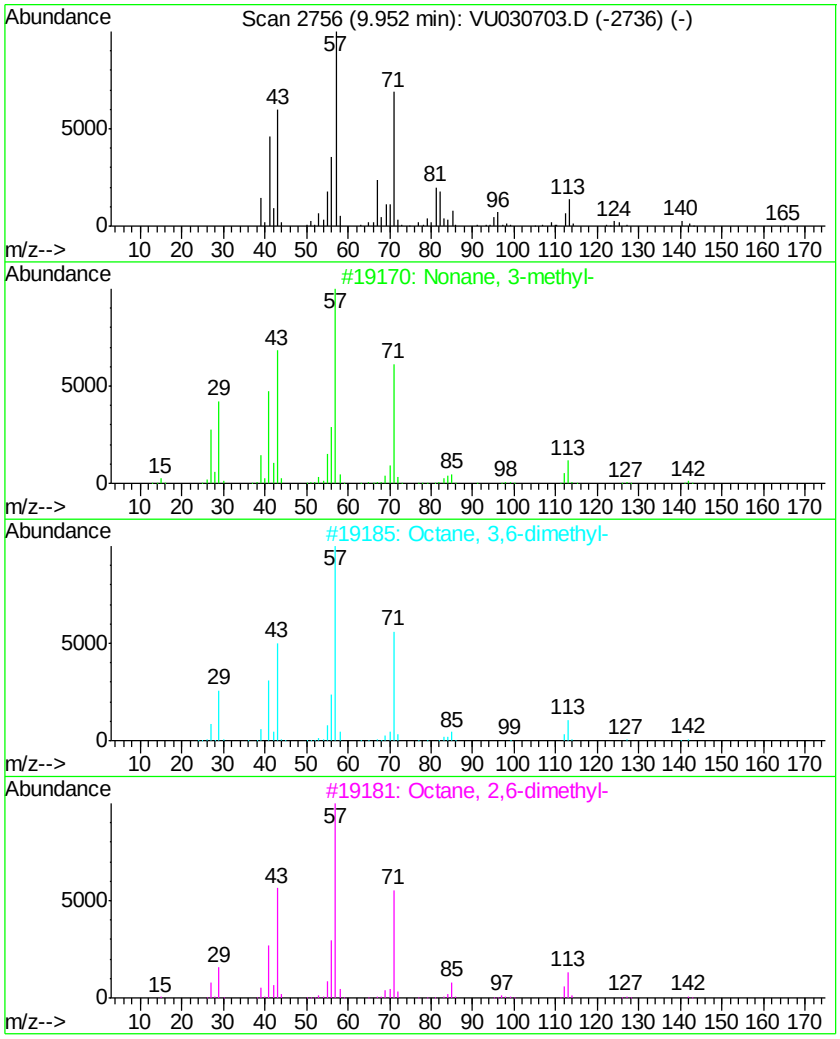
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

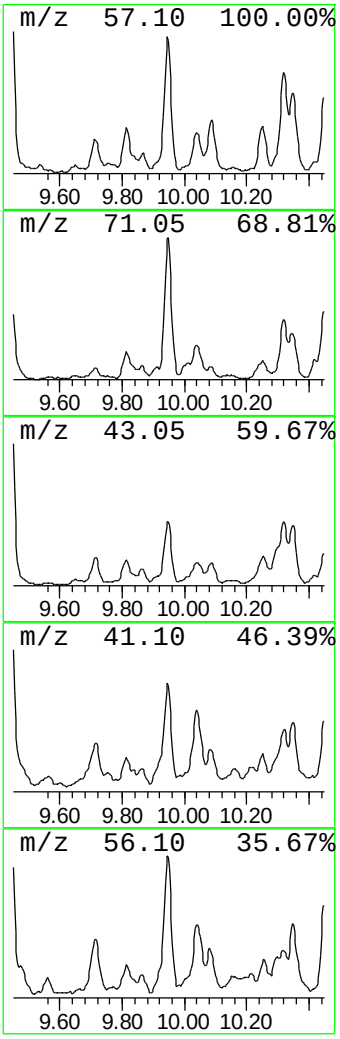
****

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	16.65 ug/L	495174	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	93
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	93
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	76
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	70
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

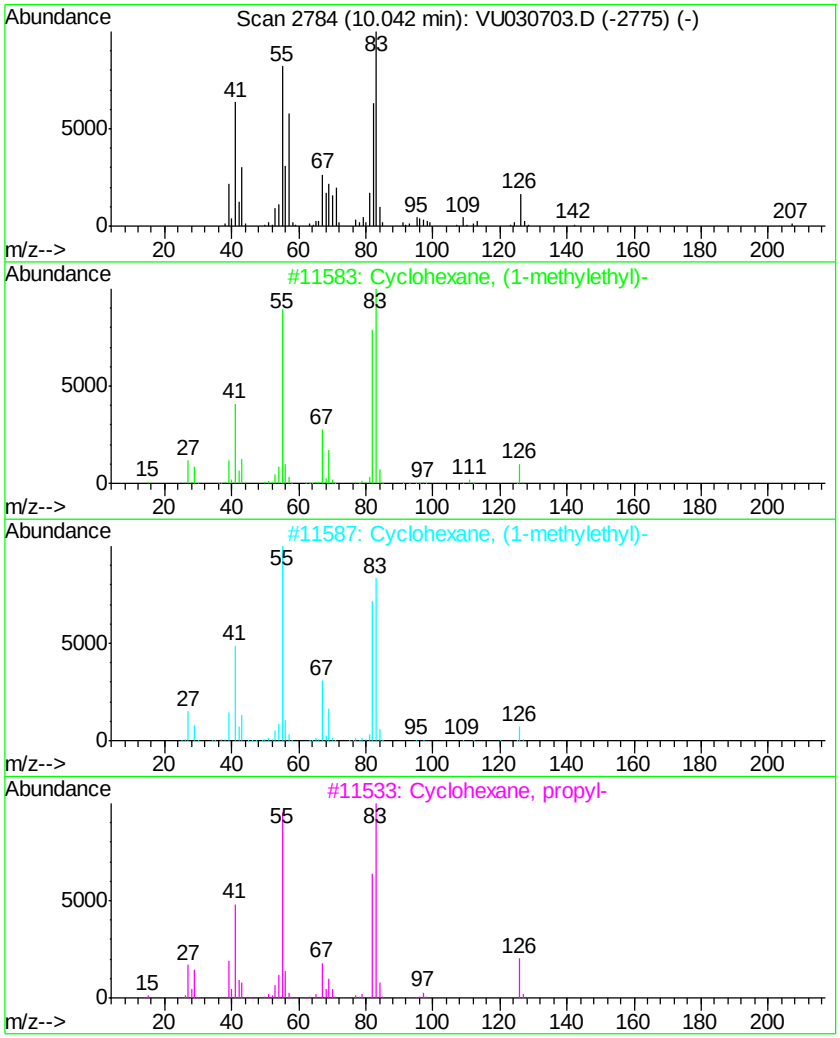
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

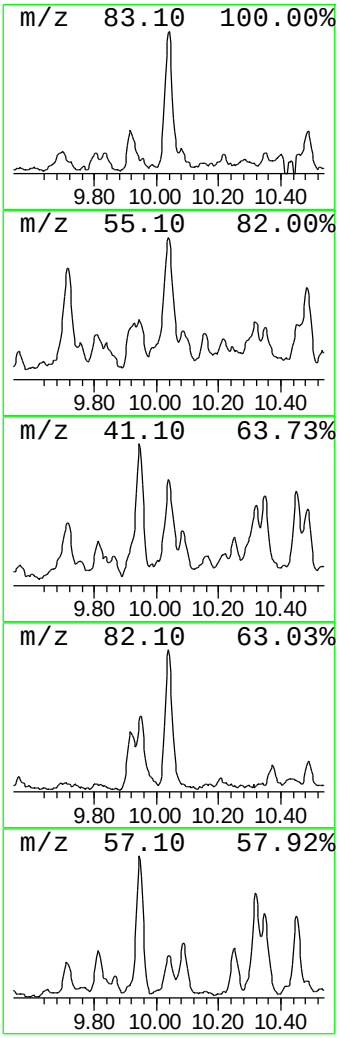
****

Peak Number 42 (DEL) Alkane: Cyclic10.04 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	8.16 ug/L	242598	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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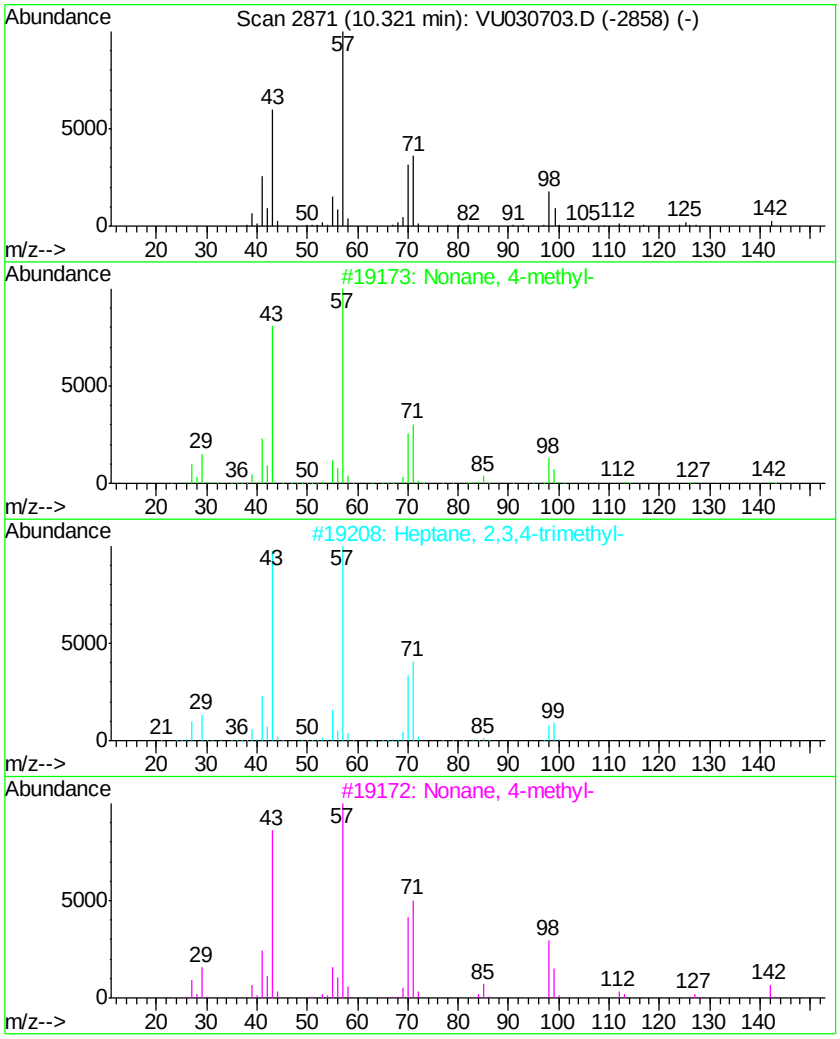
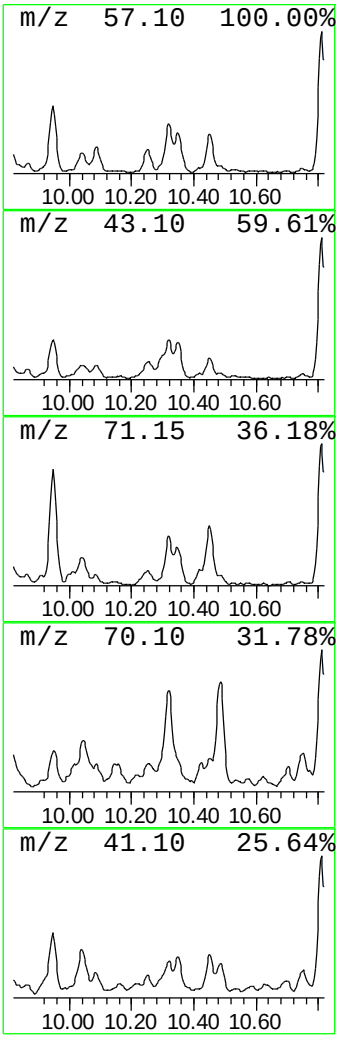
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	7.60 ug/L	227301	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	78
2	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	72
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	72
4	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
5	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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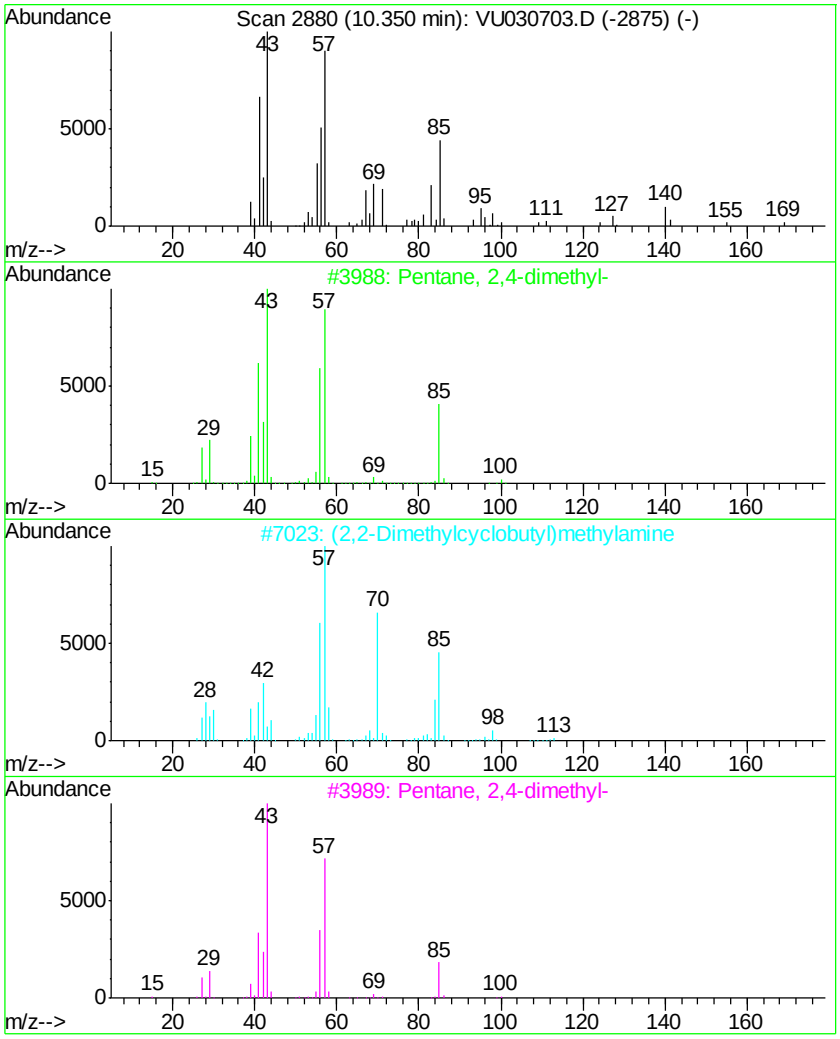
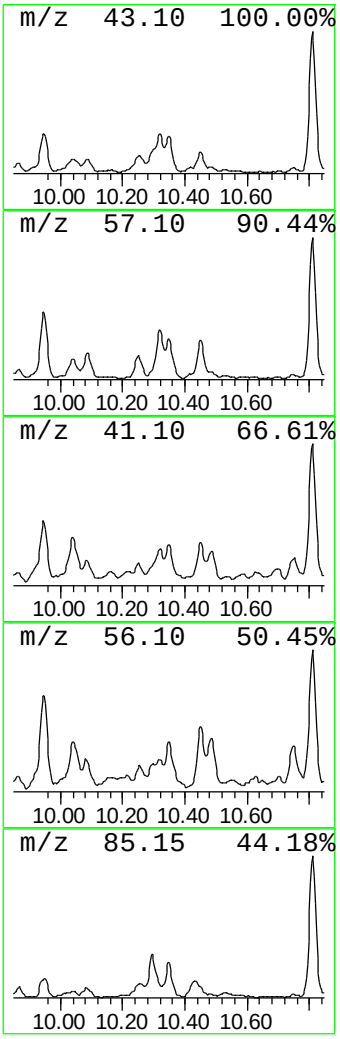
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	6.59 ug/L	197206	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	64
2	(2,2-Dimethylcyclobutyl)methylamine	113	C7H15N	1000195-04-0	64
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	53
4	Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	50
5	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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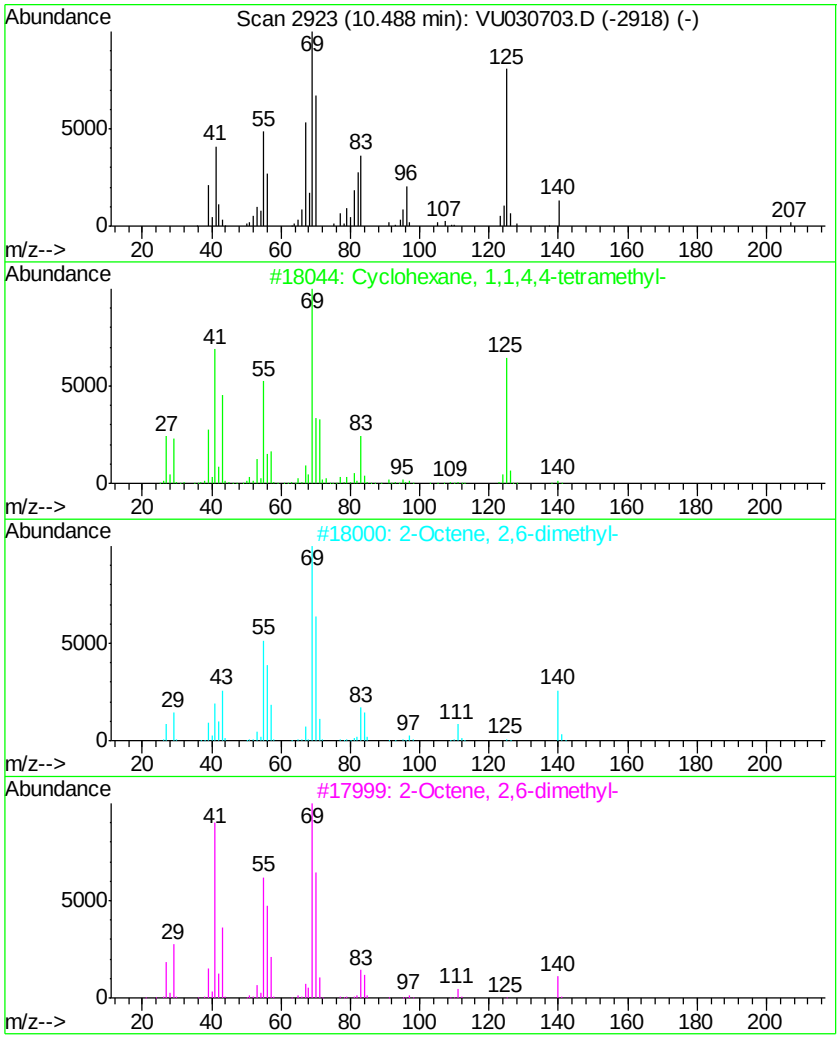
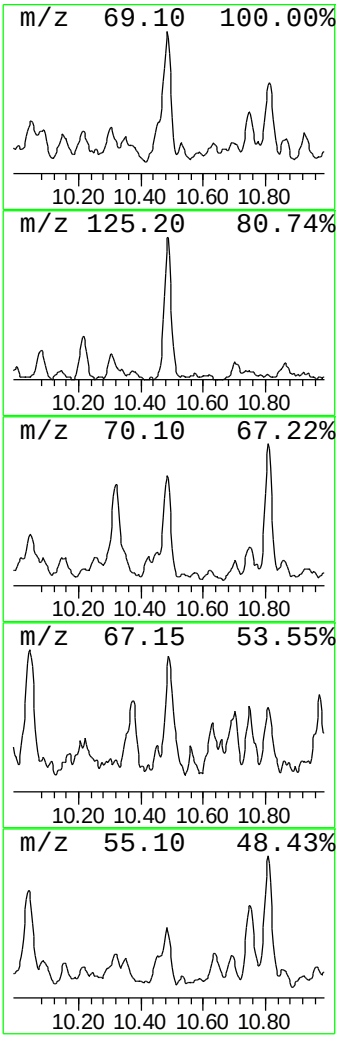
Peak Number 45 (DEL) Alkane: Cyclic10.49 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	5.96 ug/L	178268	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	50
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	43
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	38
4	Cyclohexane, 1,1'-(1-methylethyl...	208	C15H28	054934-90-6	25
5	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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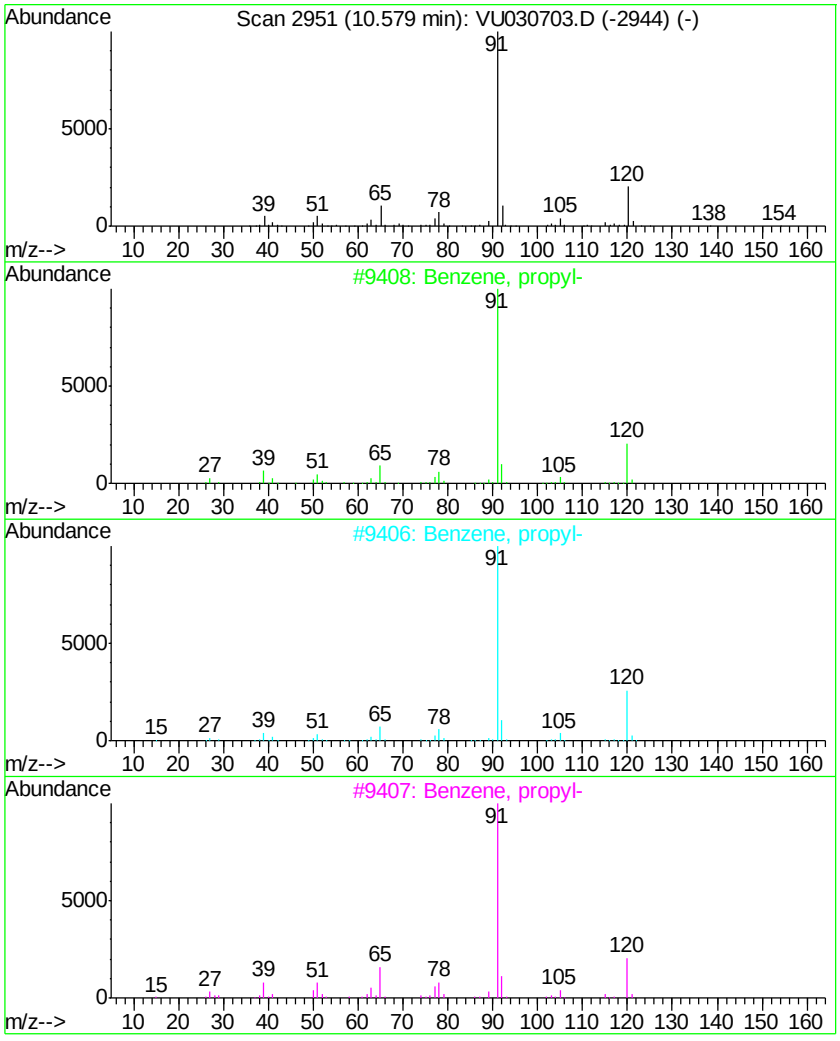
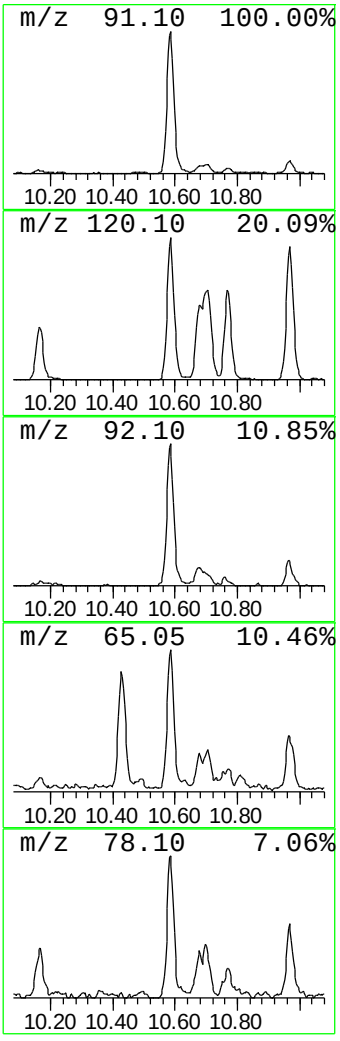
Peak Number 46 Benzene, propyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	9.39 ug/L	280781	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	86
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

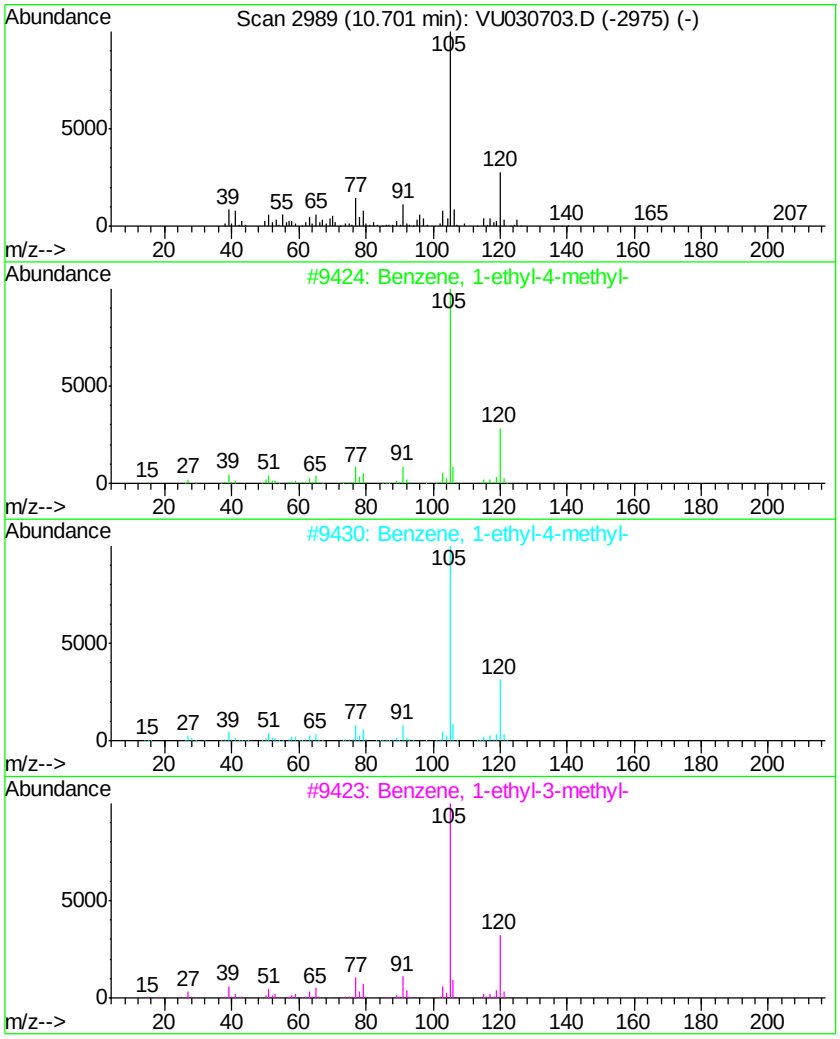
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

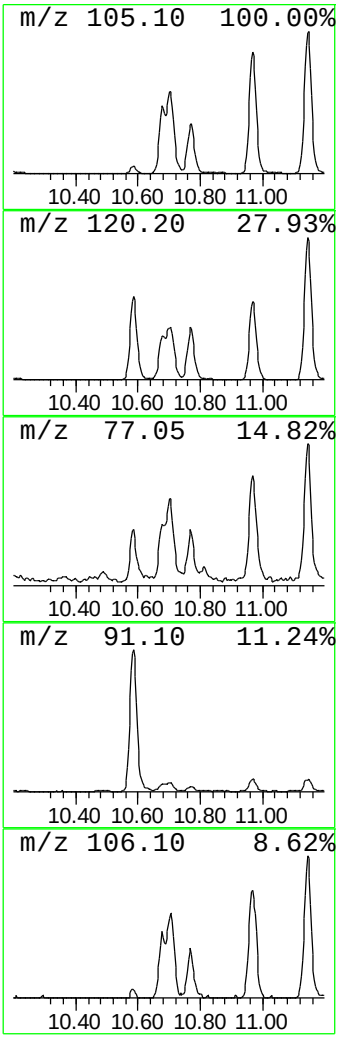
****

Peak Number 47 Benzene, 1-ethyl-4-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	10.06 ug/L	300912	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	81
5	Mesitylene	120	C9H12	000108-67-8	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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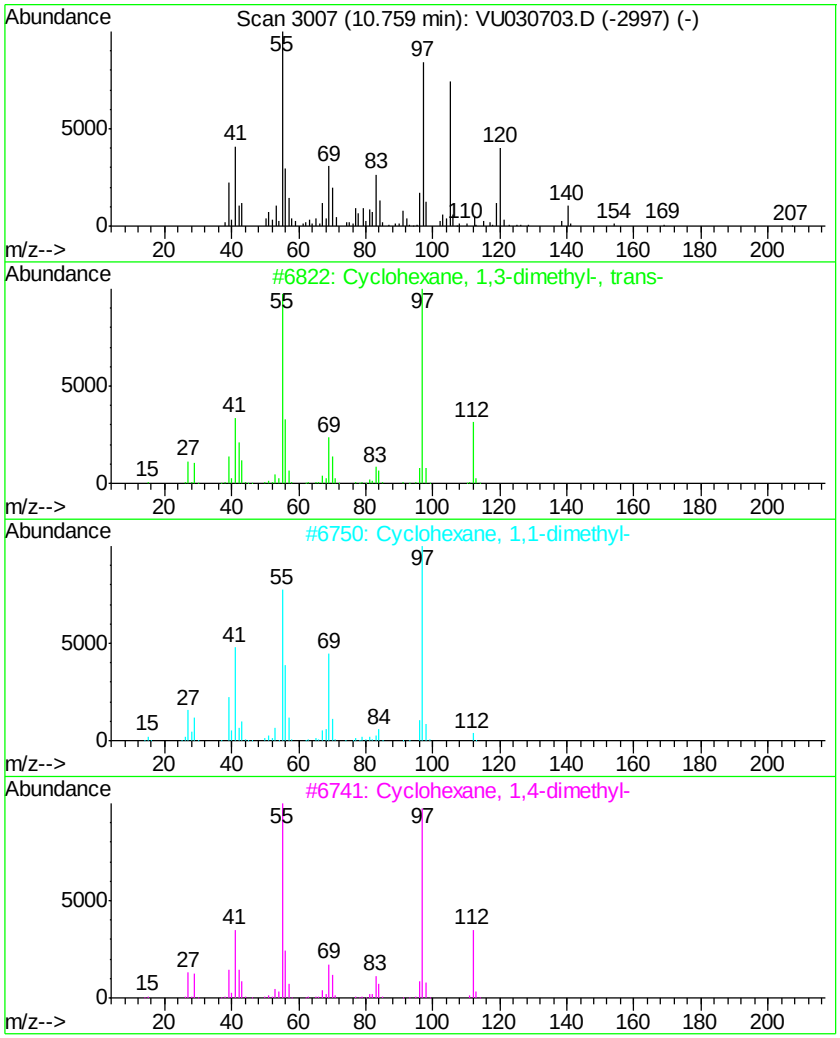
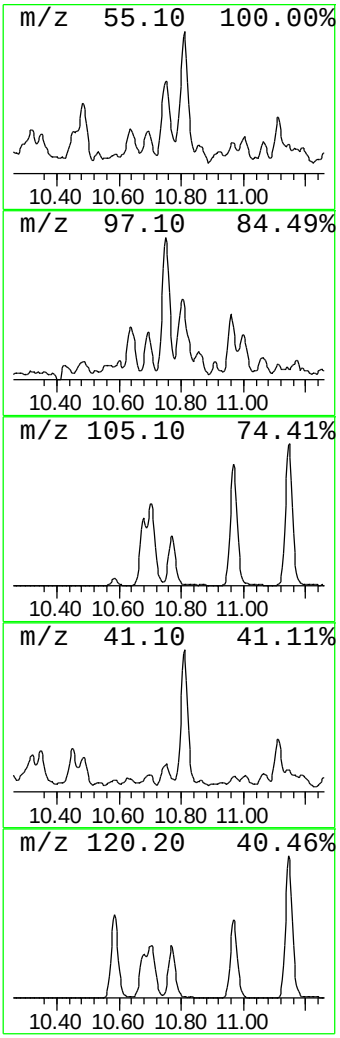
Peak Number 48 (DEL) Alkane: Cyclic10.76 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	7.75 ug/L	231873	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	62
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	60
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	58
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	58
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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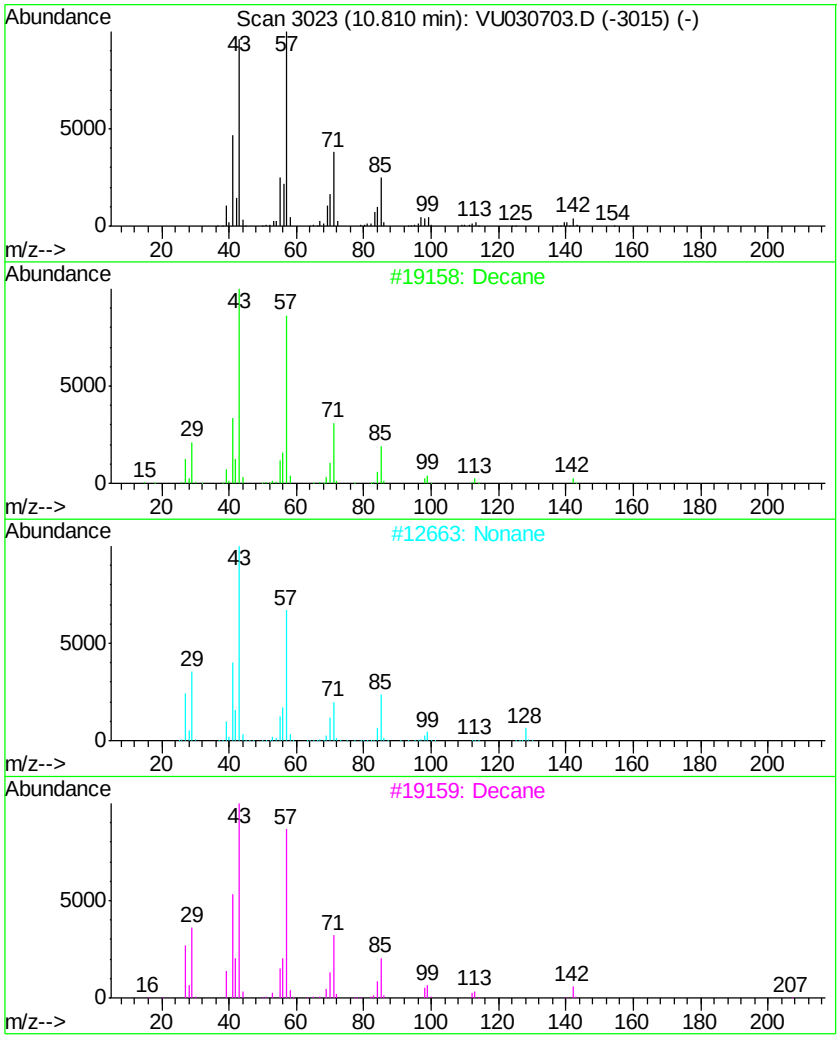
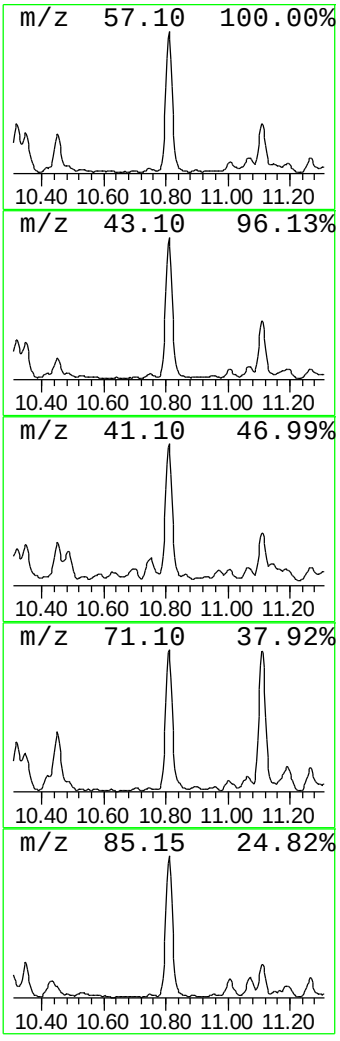
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	24.66 ug/L	737668	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	93
2	Nonane	128	C9H20	000111-84-2	86
3	Decane	142	C10H22	000124-18-5	78
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	74
5	Decane	142	C10H22	000124-18-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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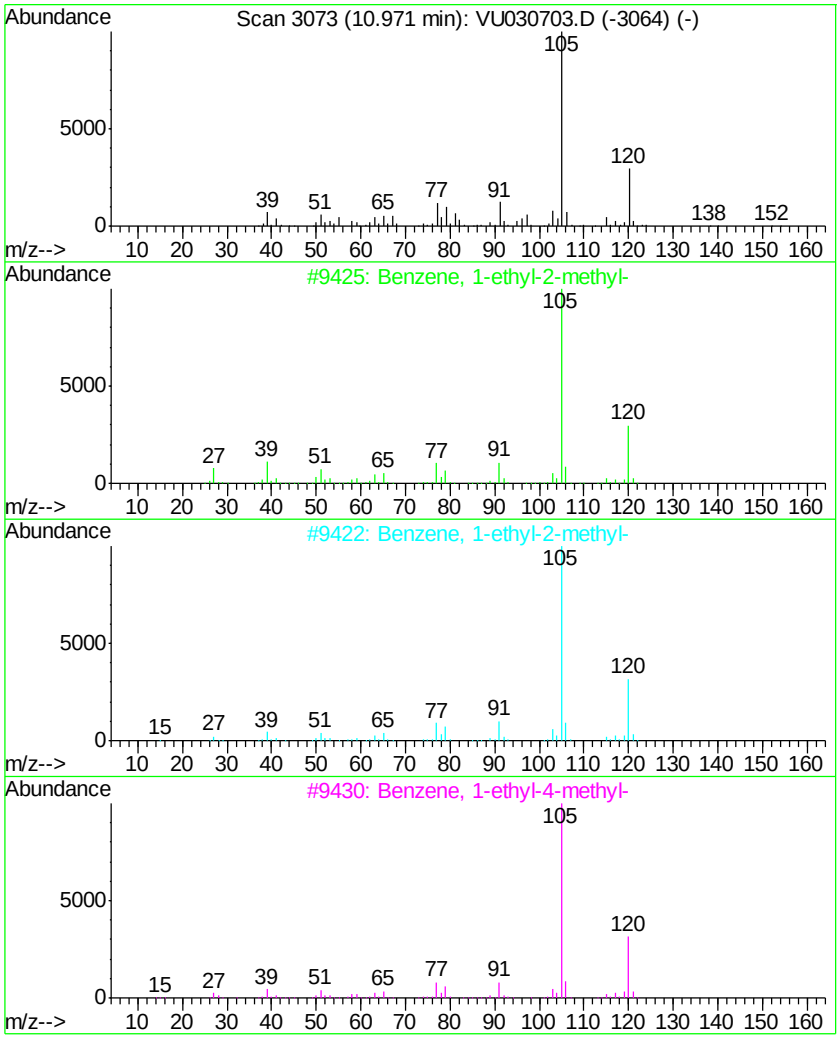
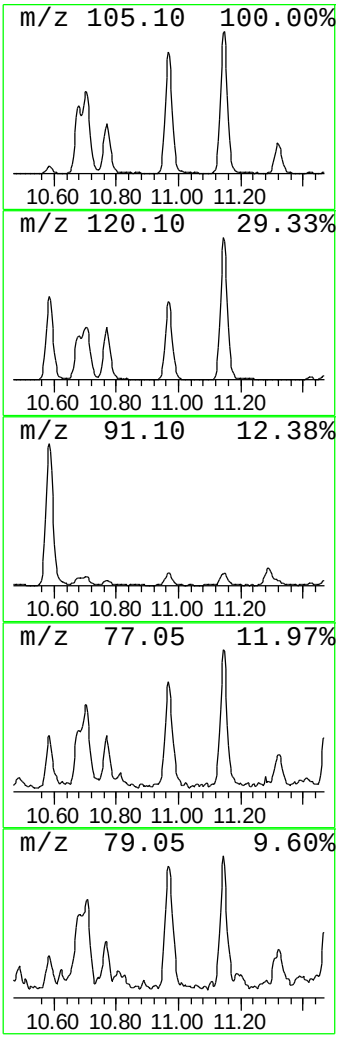
Peak Number 50 Benzene, 1-ethyl-2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	9.89 ug/L	295809	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

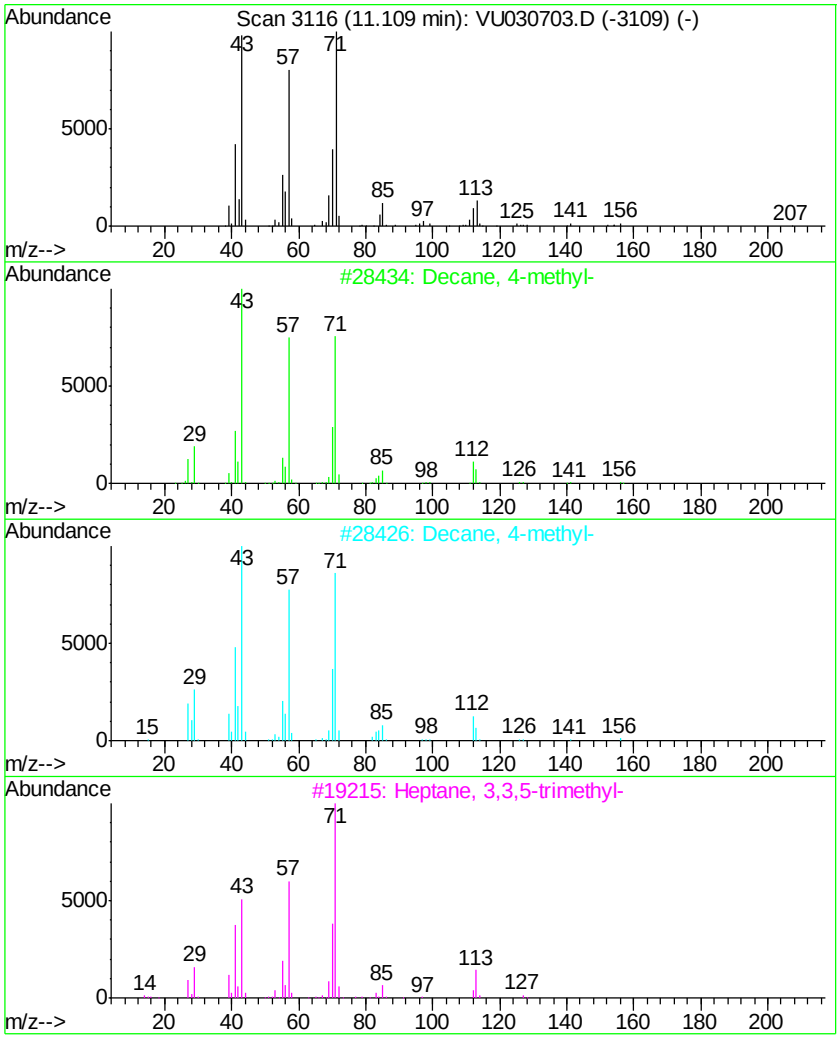
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

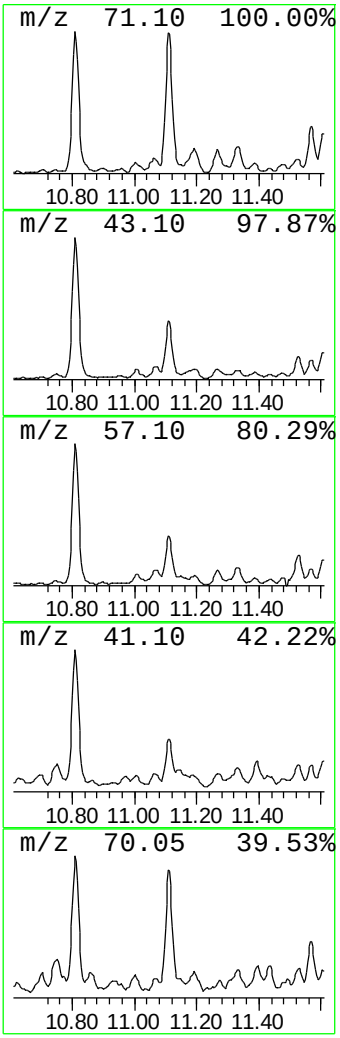
****

Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	8.80 ug/L	263367	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	87
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

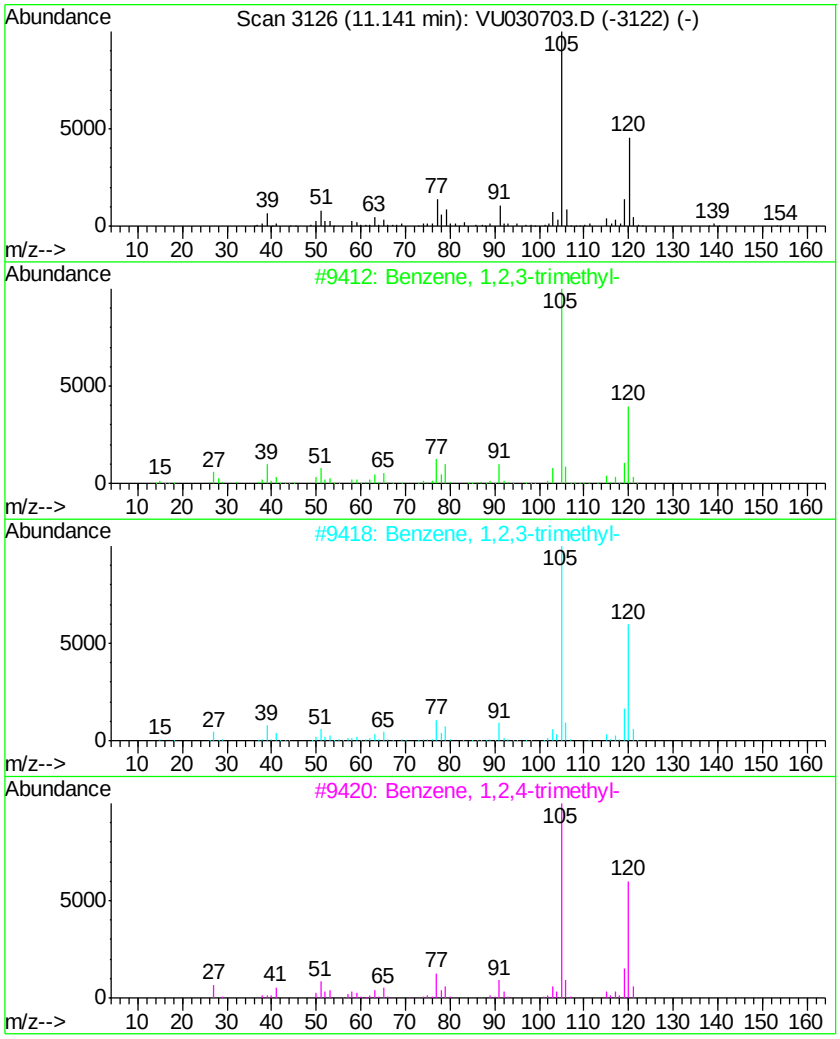
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

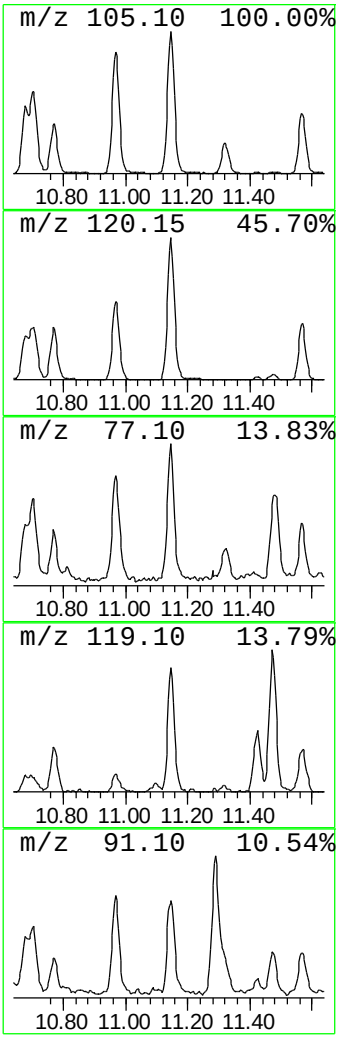
****

Peak Number 52 Benzene, 1,2,3-trimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	10.97 ug/L	328055	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

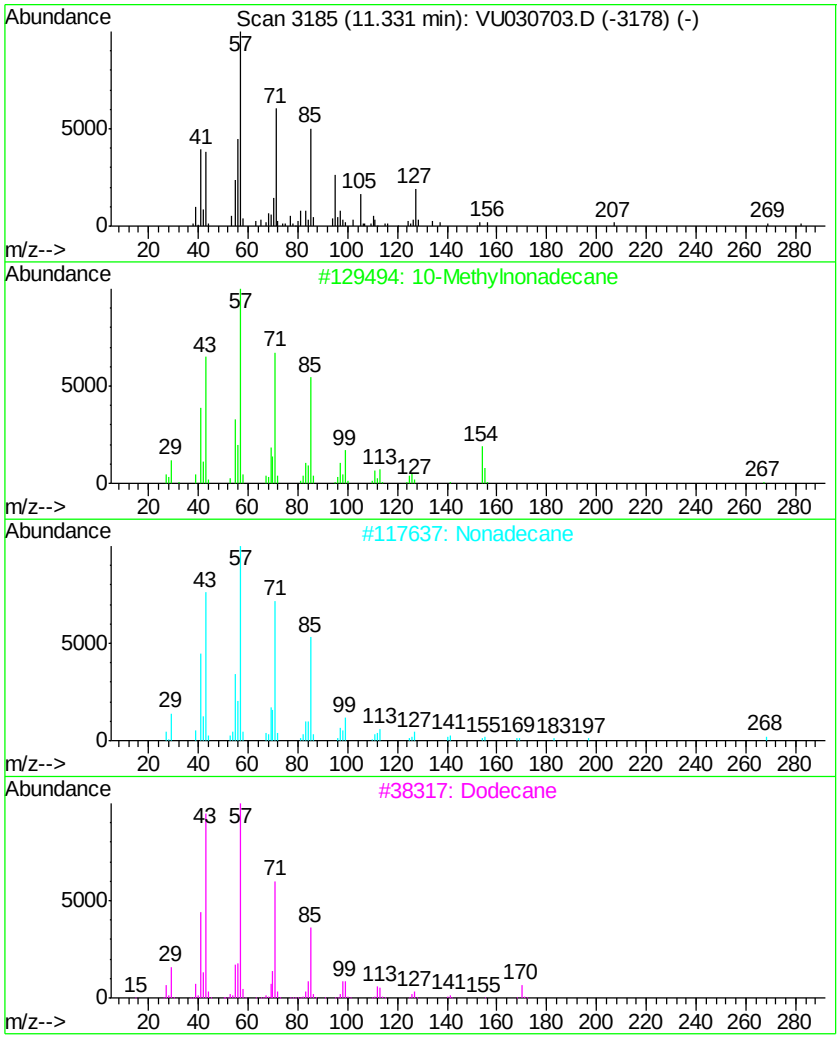
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

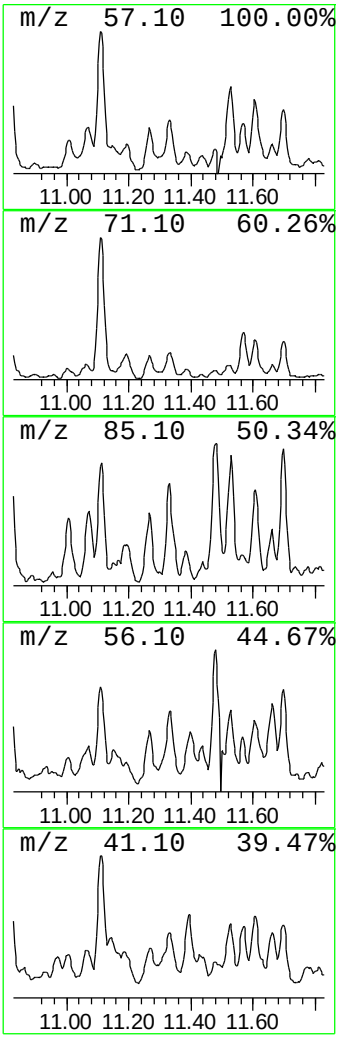
****

Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	5.28 ug/L	157816	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	47
2	Nonadecane	268	C19H40	000629-92-5	43
3	Dodecane	170	C12H26	000112-40-3	43
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	43
5	Tridecane	184	C13H28	000629-50-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

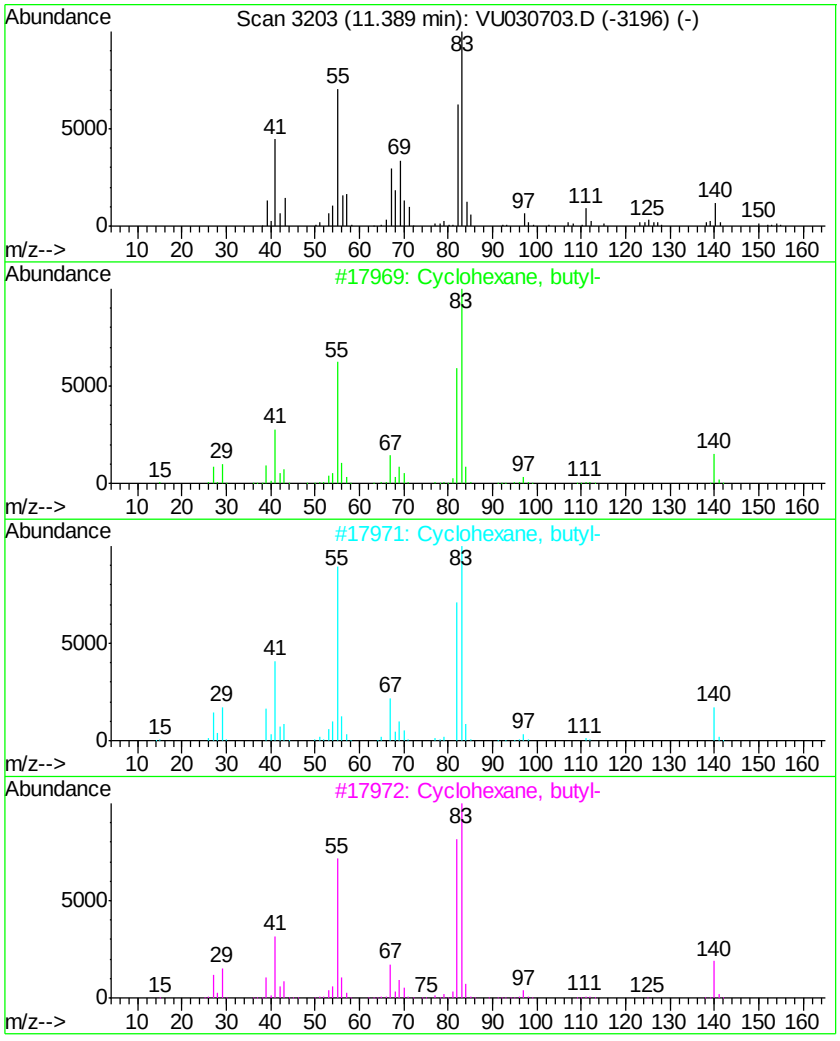
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

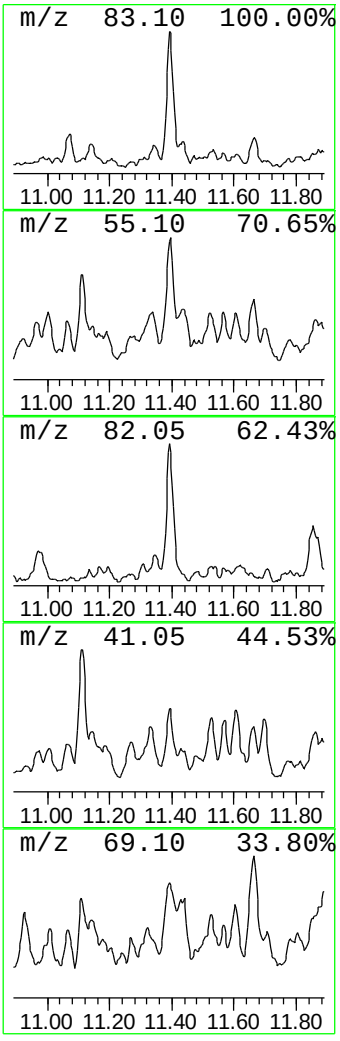
****

Peak Number 54 (DEL) Alkane: Cyclic11.39 Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	4.94 ug/L	147713	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	76
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	59
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

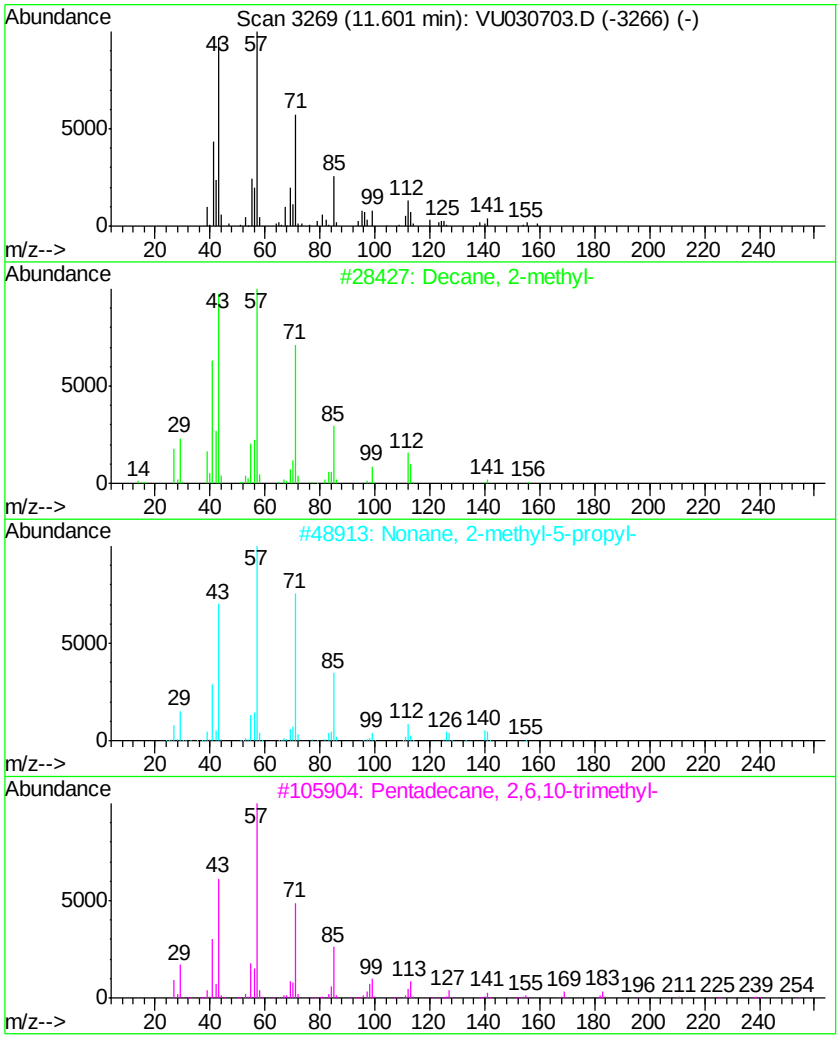
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

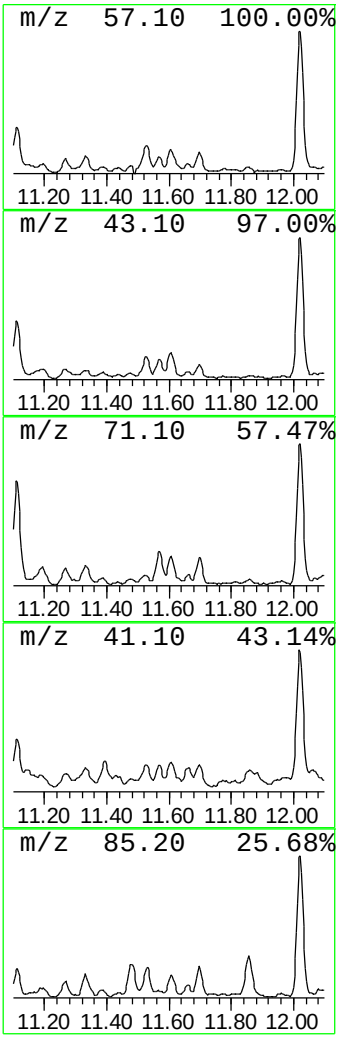
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	3.80 ug/L	113655	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	83
2	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
3	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	64
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	64
5	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

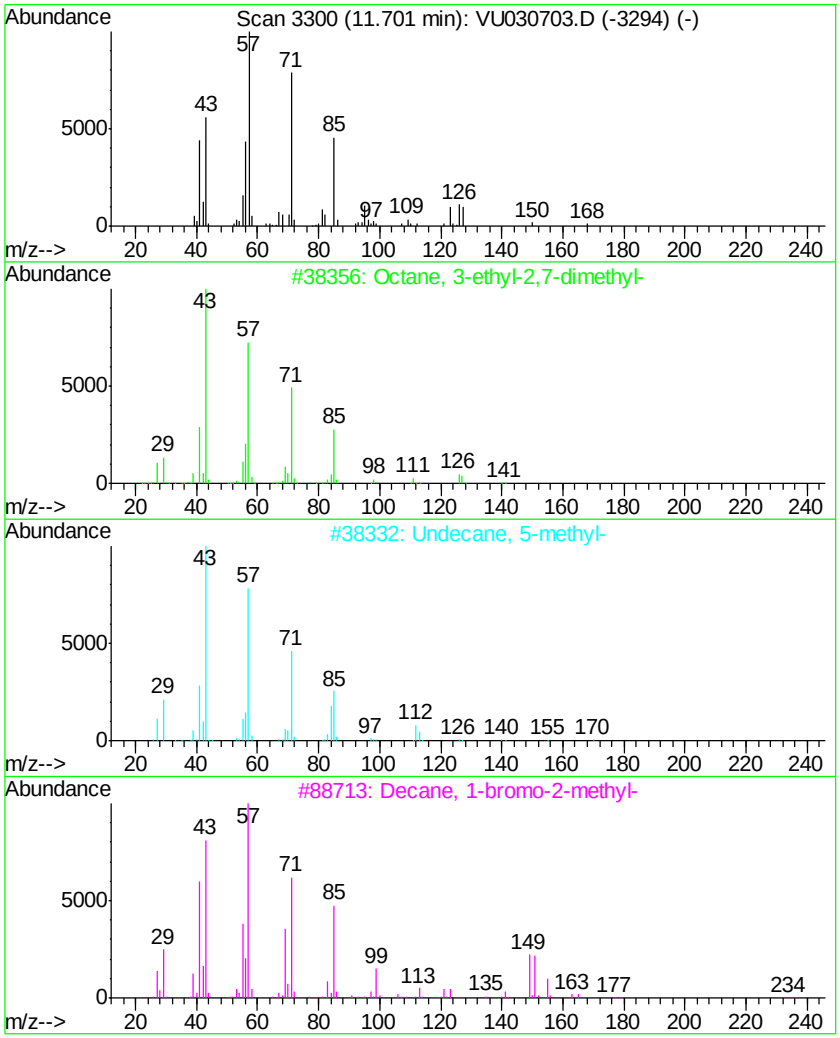
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

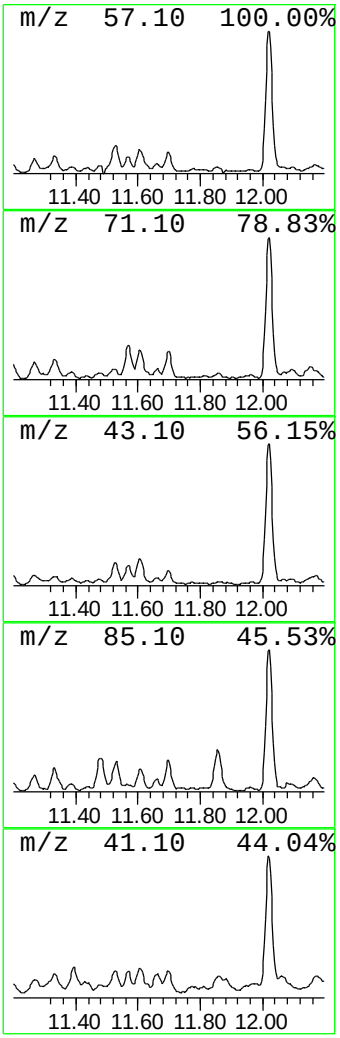
****

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	4.11 ug/L	123082	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	64
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	53
3	Decane, 1-bromo-2-methyl-	234	C11H23Br	127839-47-8	53
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
5	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

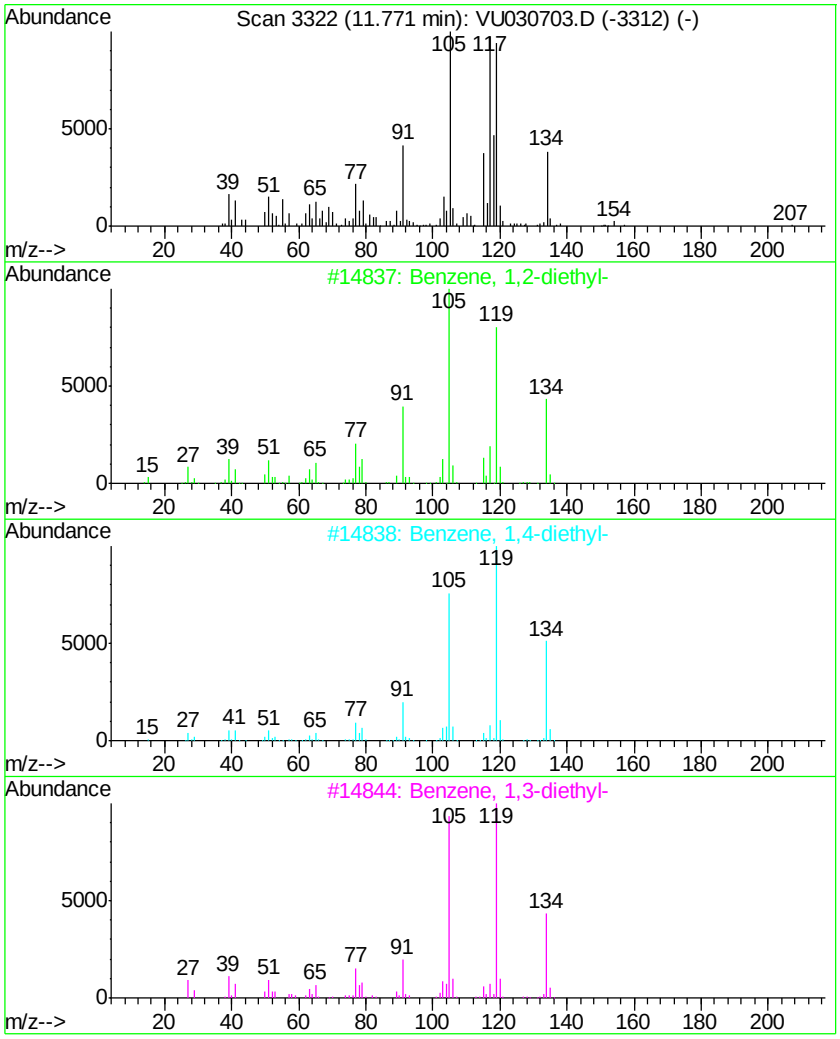
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

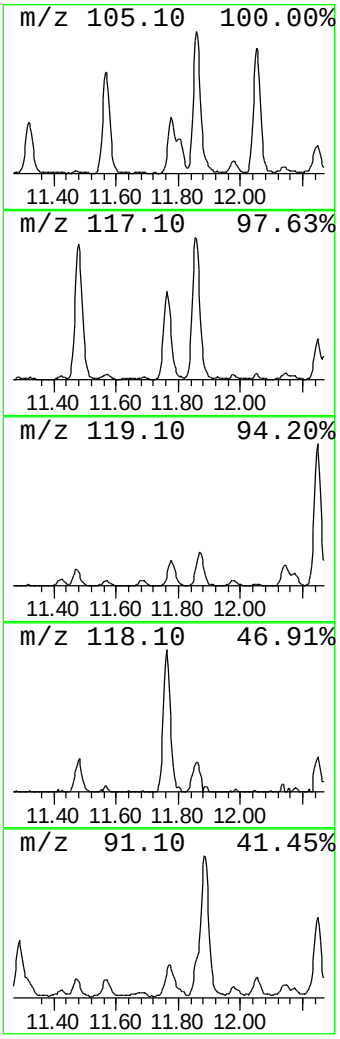
****

Peak Number 58 Benzene, 1,2-diethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	10.15 ug/L	303700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	76
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	76
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

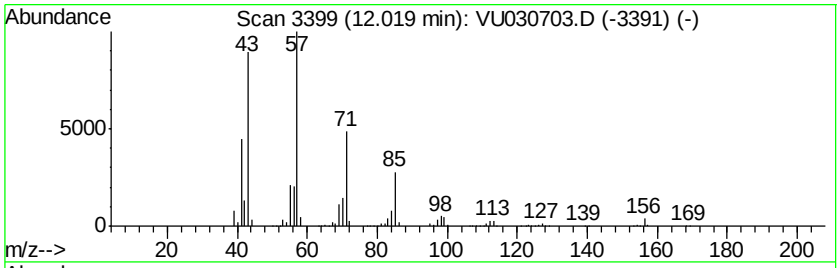
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

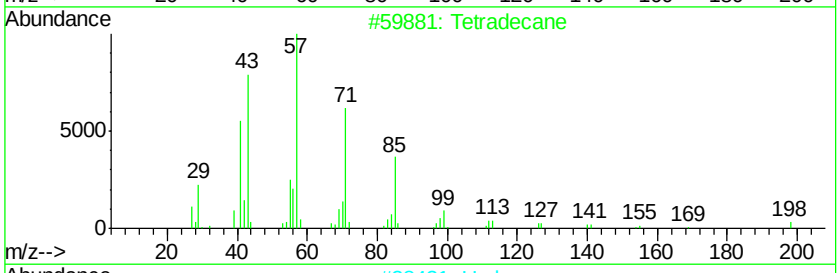
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

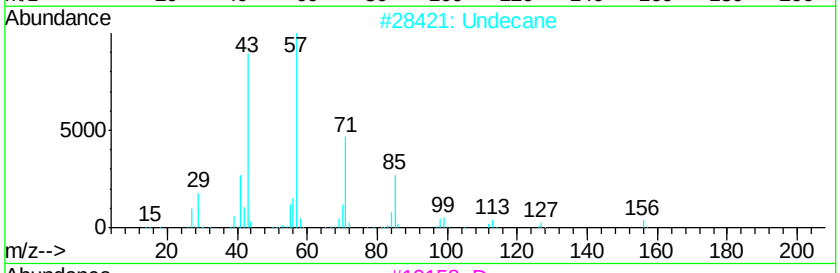
****
Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 12

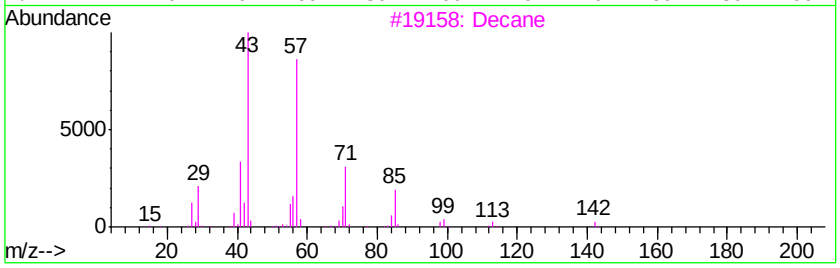
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	24.48 ug/L	732260	1,4-Dichlorobenzene-d4	11.48

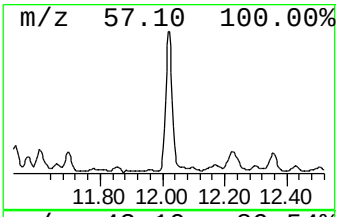
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Undecane	156	C11H24	001120-21-4	87
3	Decane	142	C10H22	000124-18-5	86
4	Undecane	156	C11H24	001120-21-4	83
5	Undecane	156	C11H24	001120-21-4	76

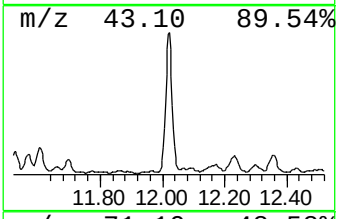


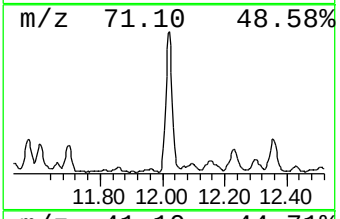


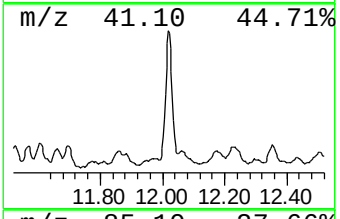


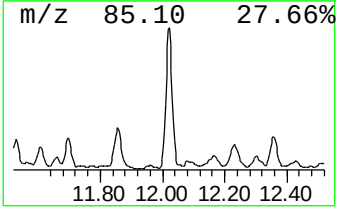












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

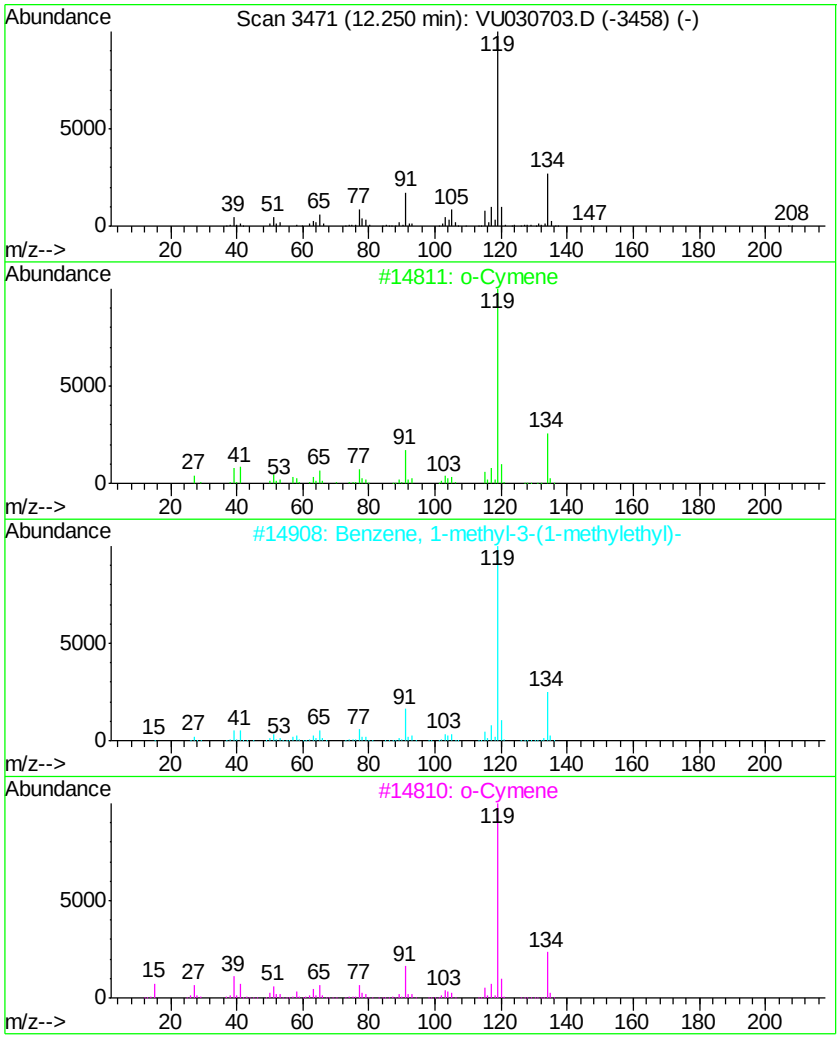
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

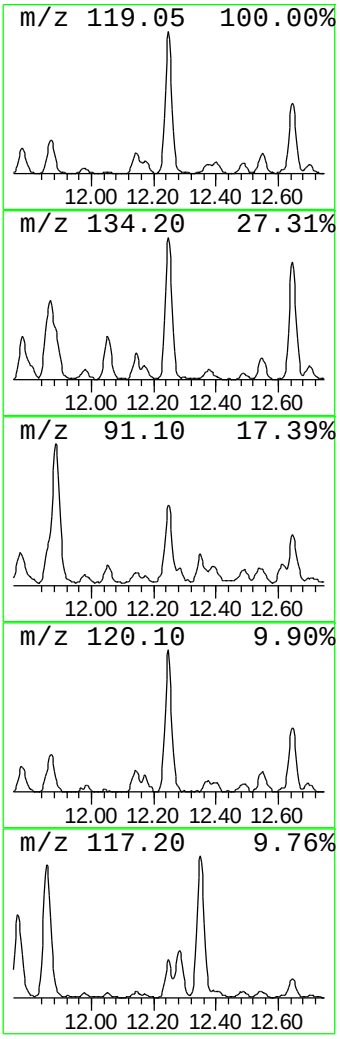
****

Peak Number 60 o-Cymene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	12.95 ug/L	387320	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97
3	o-Cymene	134	C10H14	000527-84-4	97
4	p-Cymene	134	C10H14	000099-87-6	97
5	o-Cymene	134	C10H14	000527-84-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

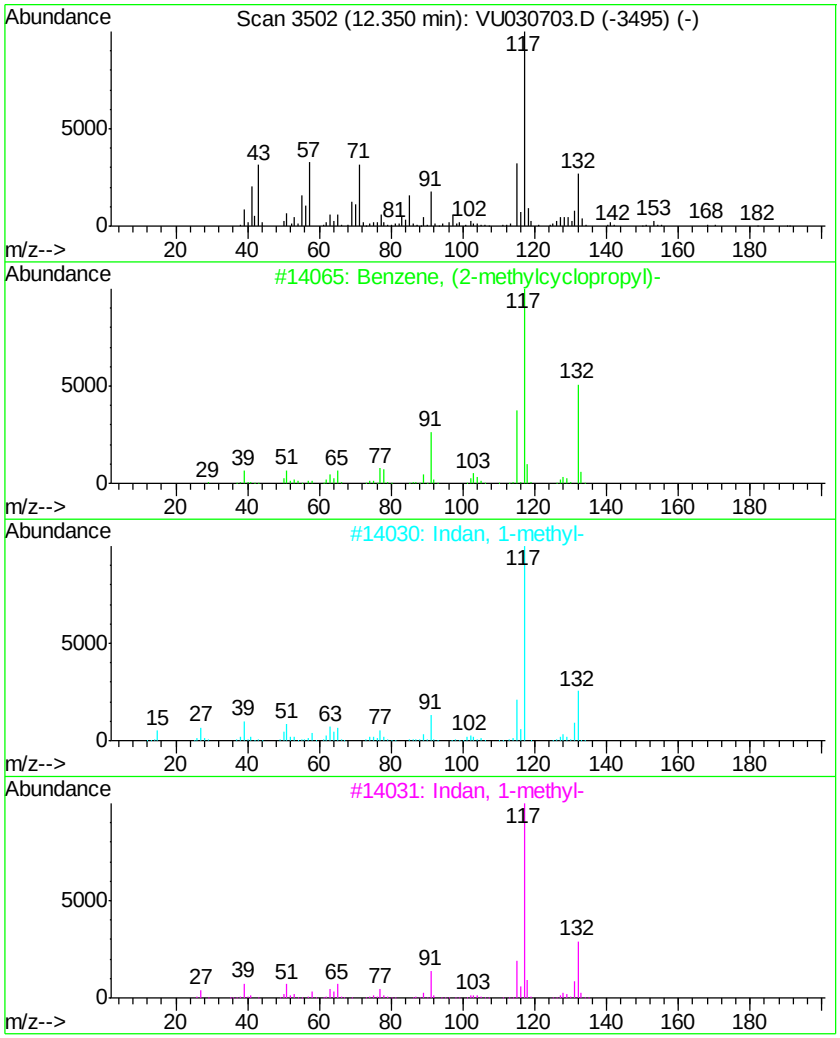
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

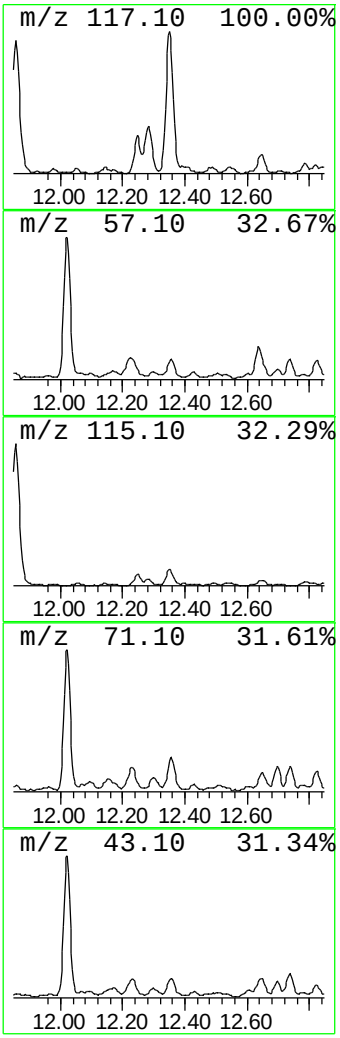
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 Benzene, (2-methylcycloprop... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	9.06 ug/L	271174	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	60
2	Indan, 1-methyl-	132	C10H12	000767-58-8	55
3	Indan, 1-methyl-	132	C10H12	000767-58-8	55
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	55
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

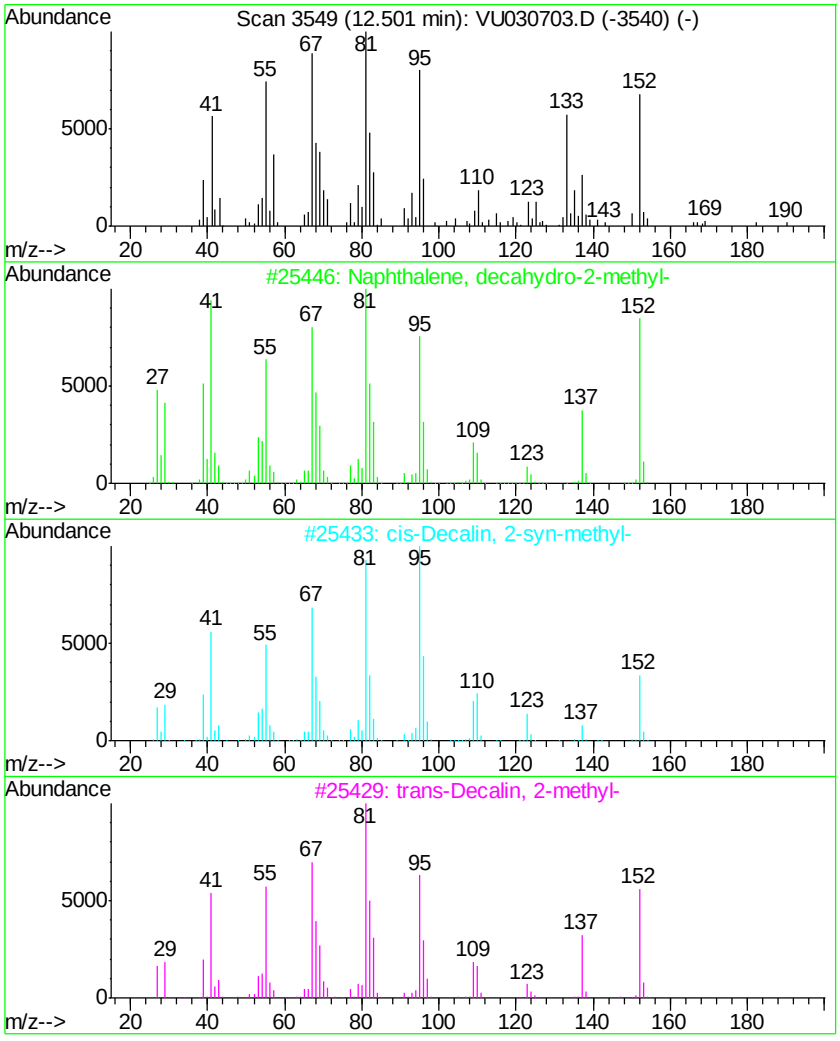
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

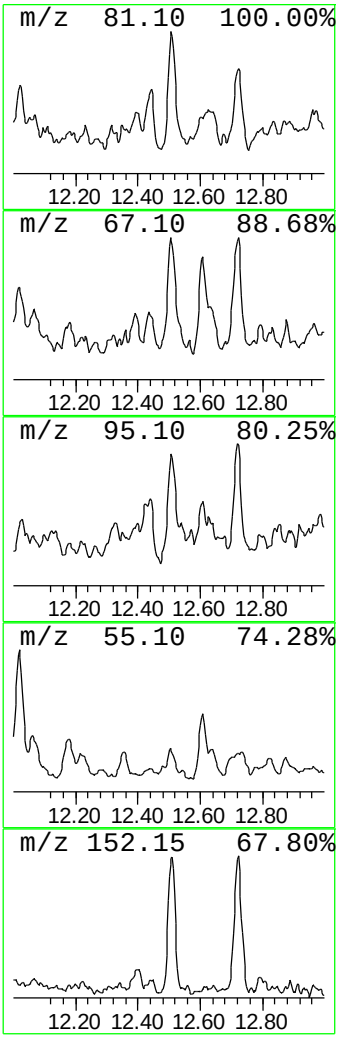
****

Peak Number 62 Naphthalene, decahydro-2-me... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.98 ug/L	119011	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	87
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	64
5	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

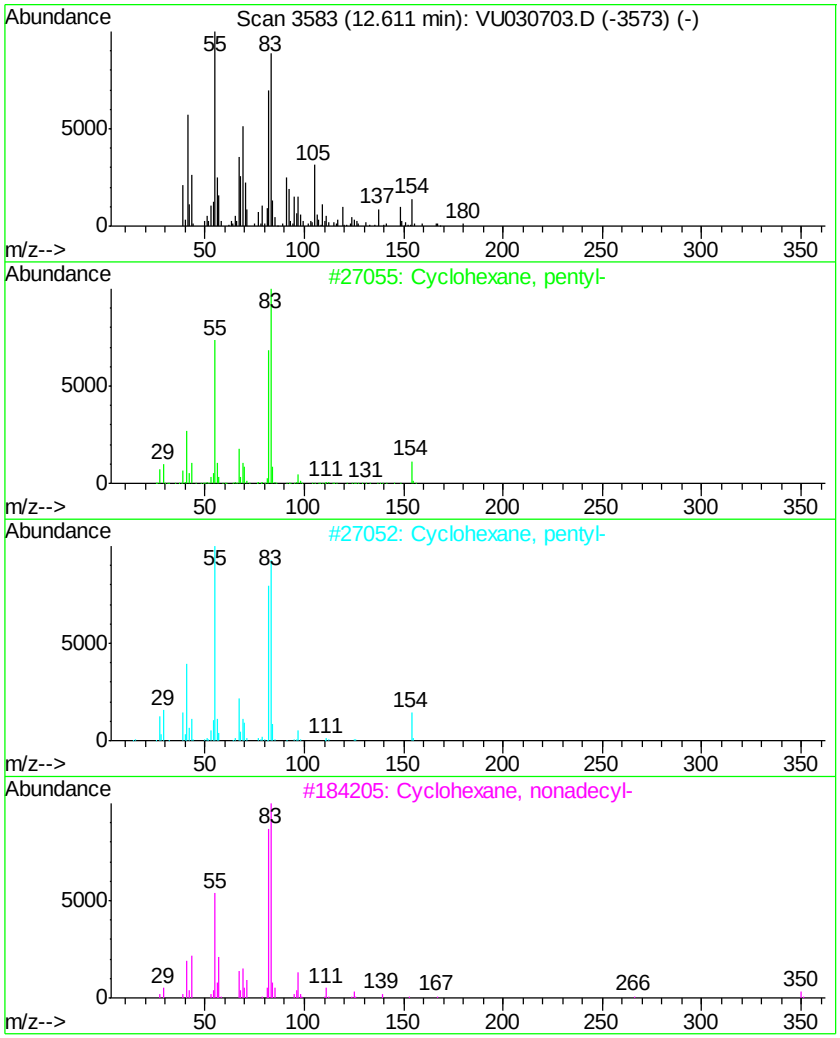
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

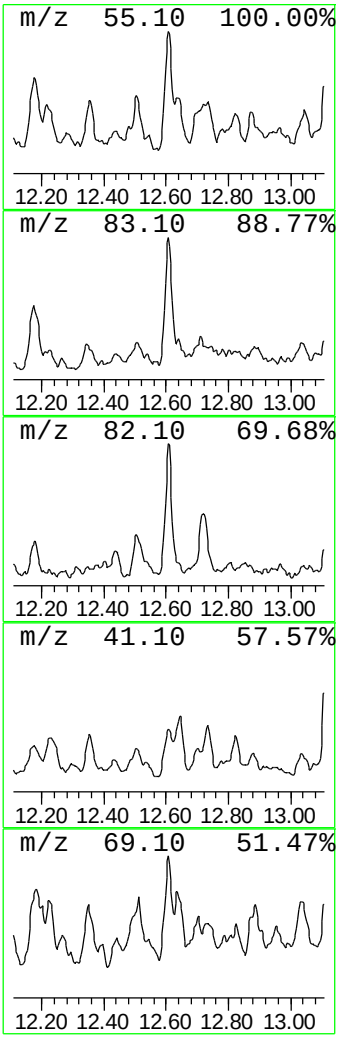
****

Peak Number 63 (DEL) Alkane: Cyclic12.61 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	6.43 ug/L	192504	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
3	Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	50
4	n-Heptadecylcyclohexane	322	C23H46	019781-73-8	50
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

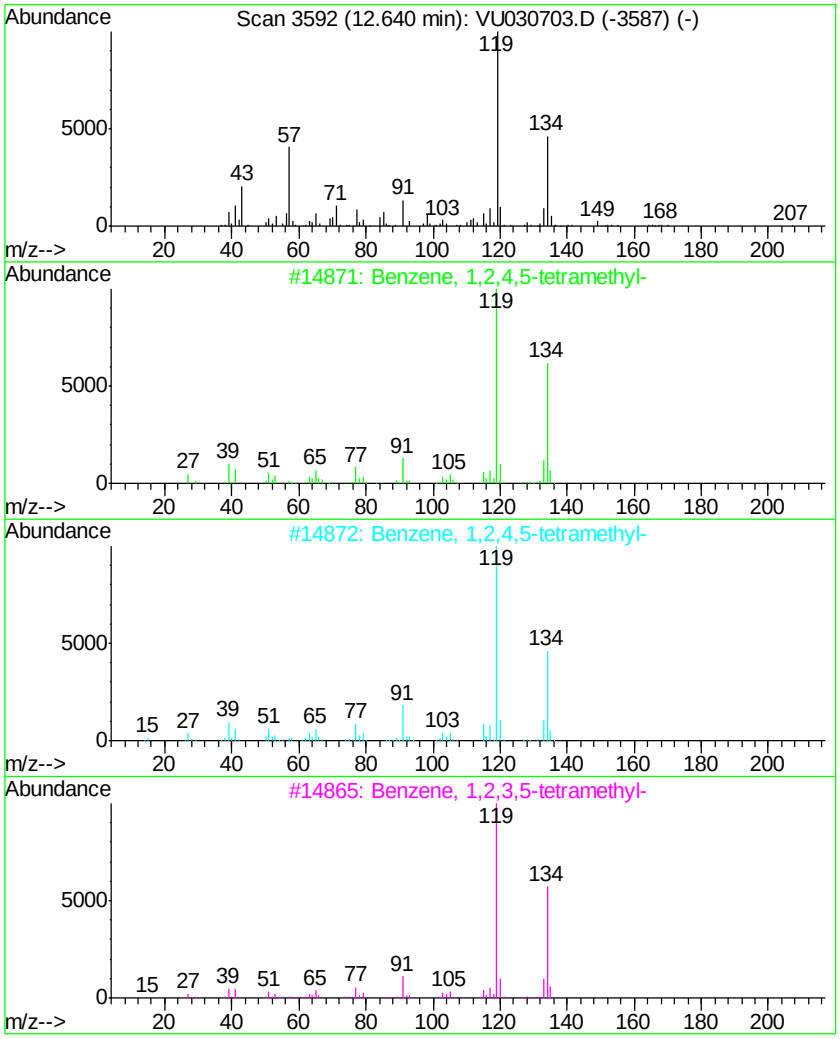
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

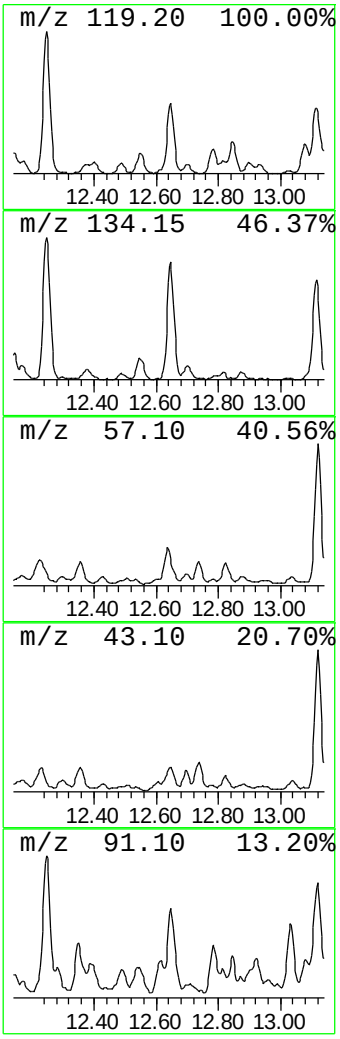
****

Peak Number 64 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	11.74 ug/L	351349	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	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

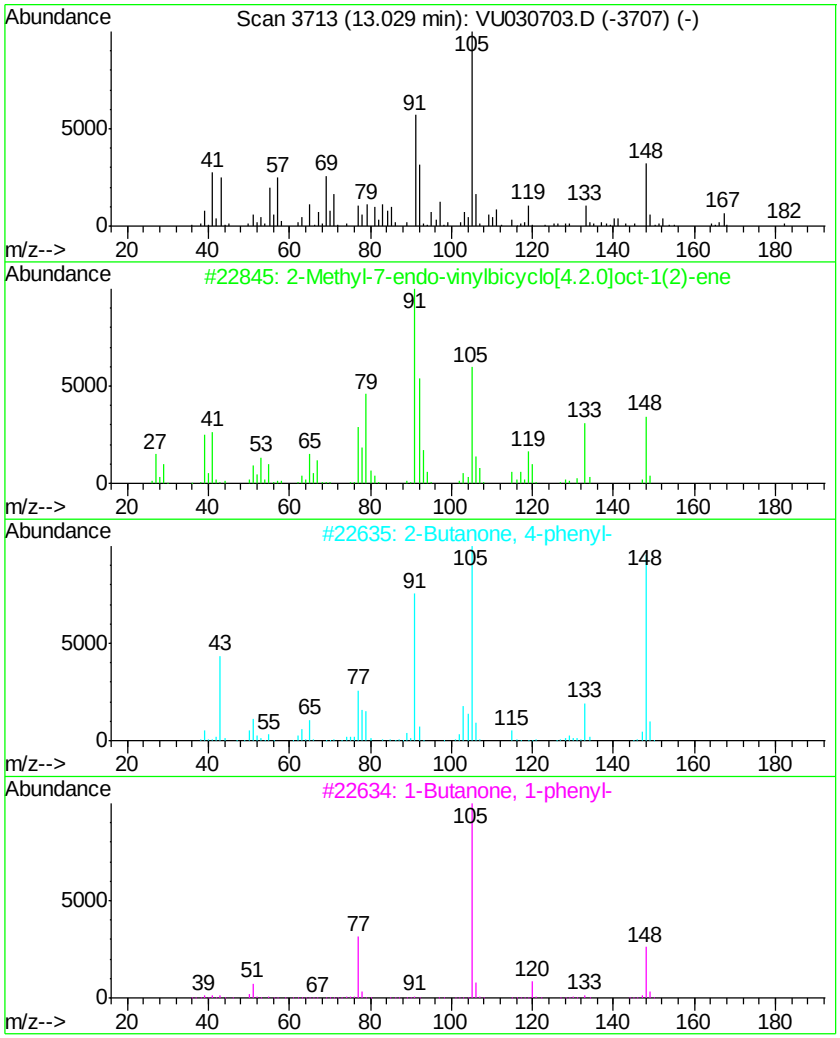
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

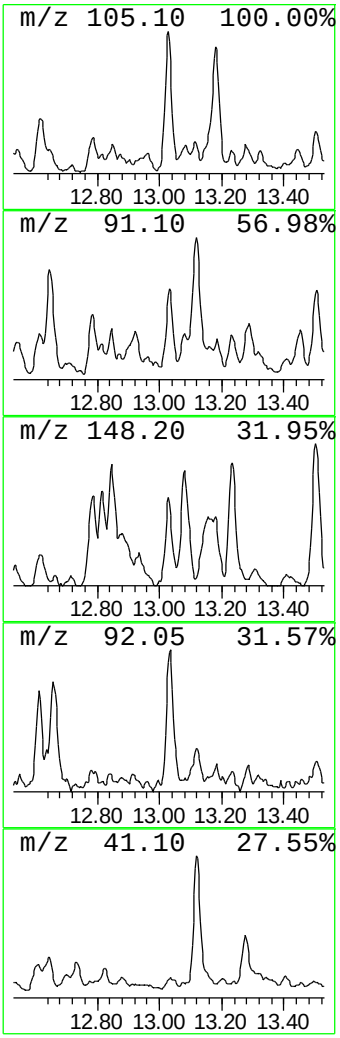
****

Peak Number 65 unknown-01 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	4.22 ug/L	126255	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	47
2	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	30
3	1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	27
4	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	22
5	L-Alanine, N-benzoyl-, methyl ester	207	C11H13NO3	007244-67-9	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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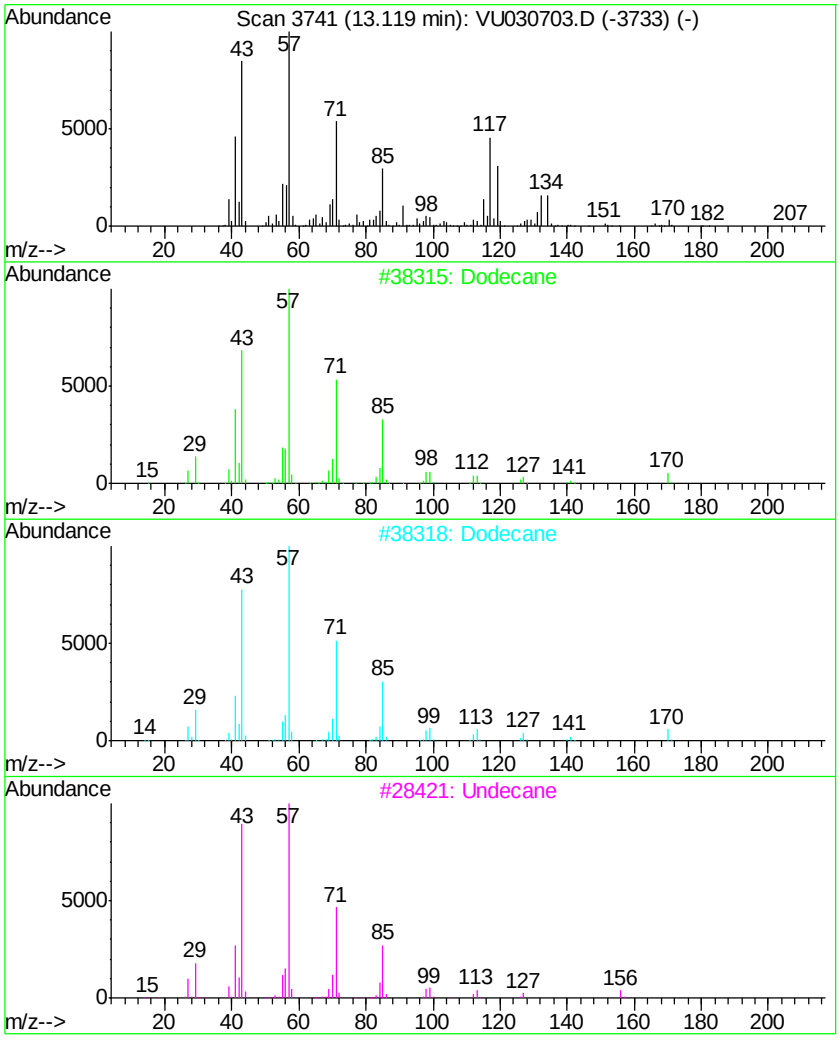
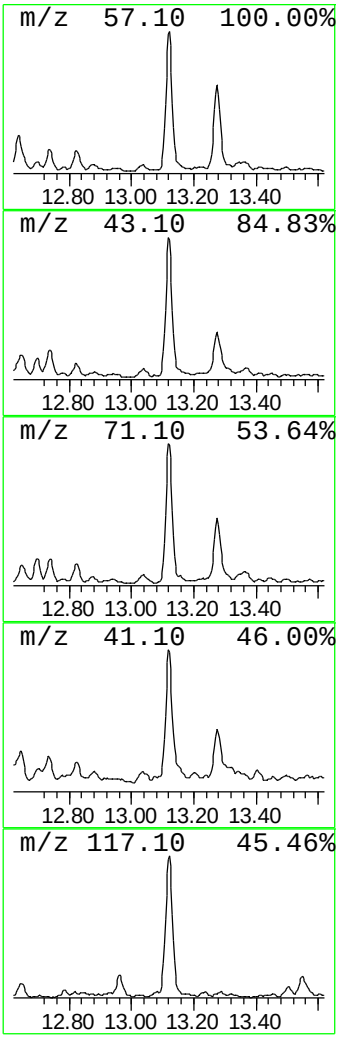
Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	33.65 ug/L	1006830	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	86
2	Dodecane	170	C12H26	000112-40-3	50
3	Undecane	156	C11H24	001120-21-4	43
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	43
5	Tetradecane	198	C14H30	000629-59-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

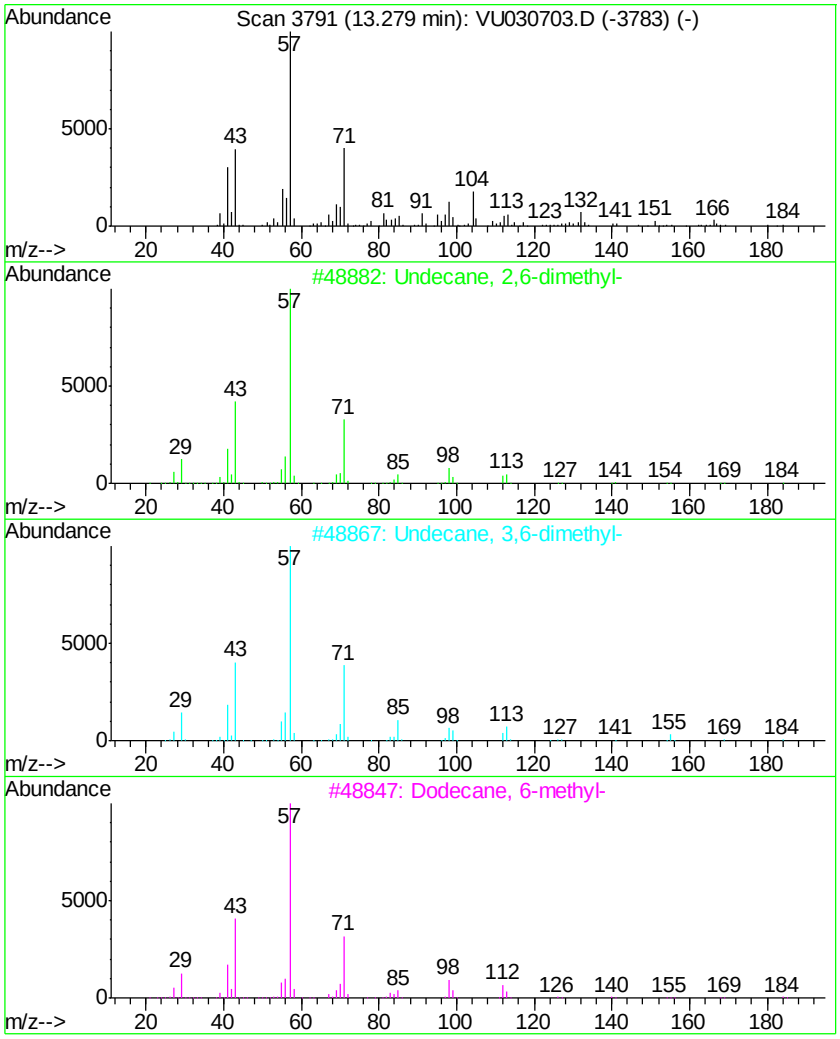
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

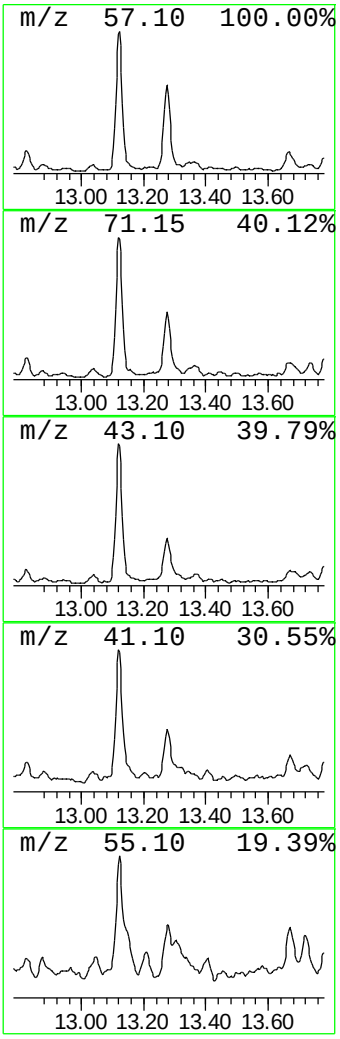
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	11.53 ug/L	344965	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	76
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	70
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	60
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	59
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

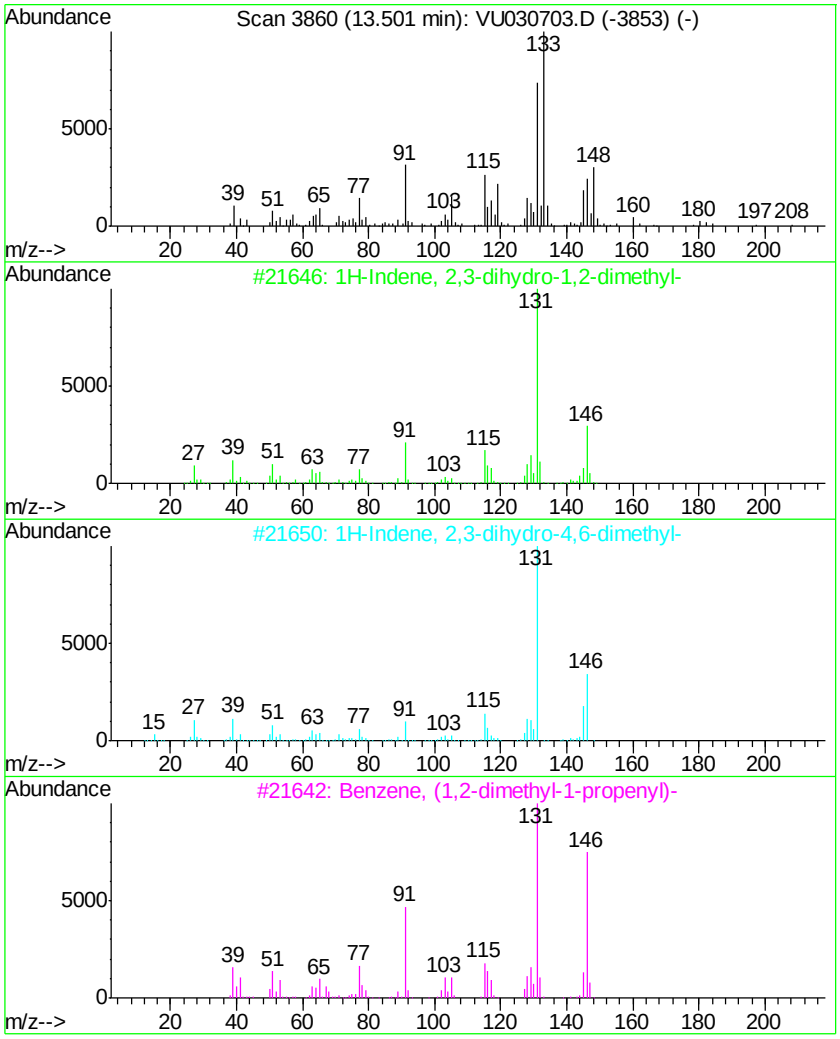
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

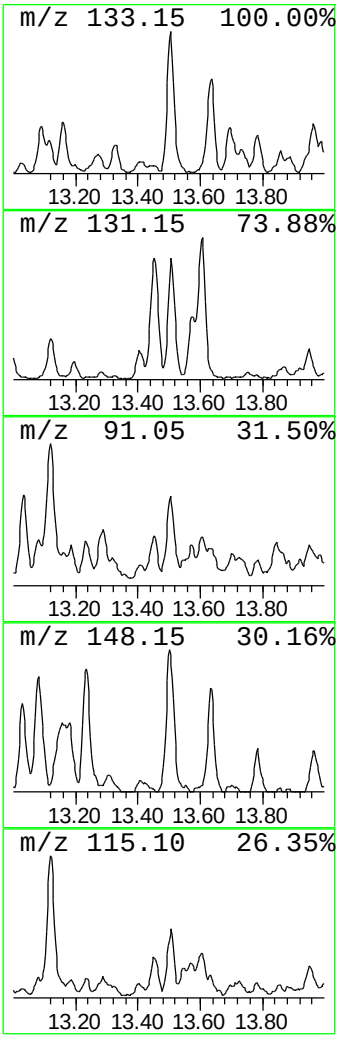
****

Peak Number 68 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	6.74 ug/L	201520	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	86
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	50
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

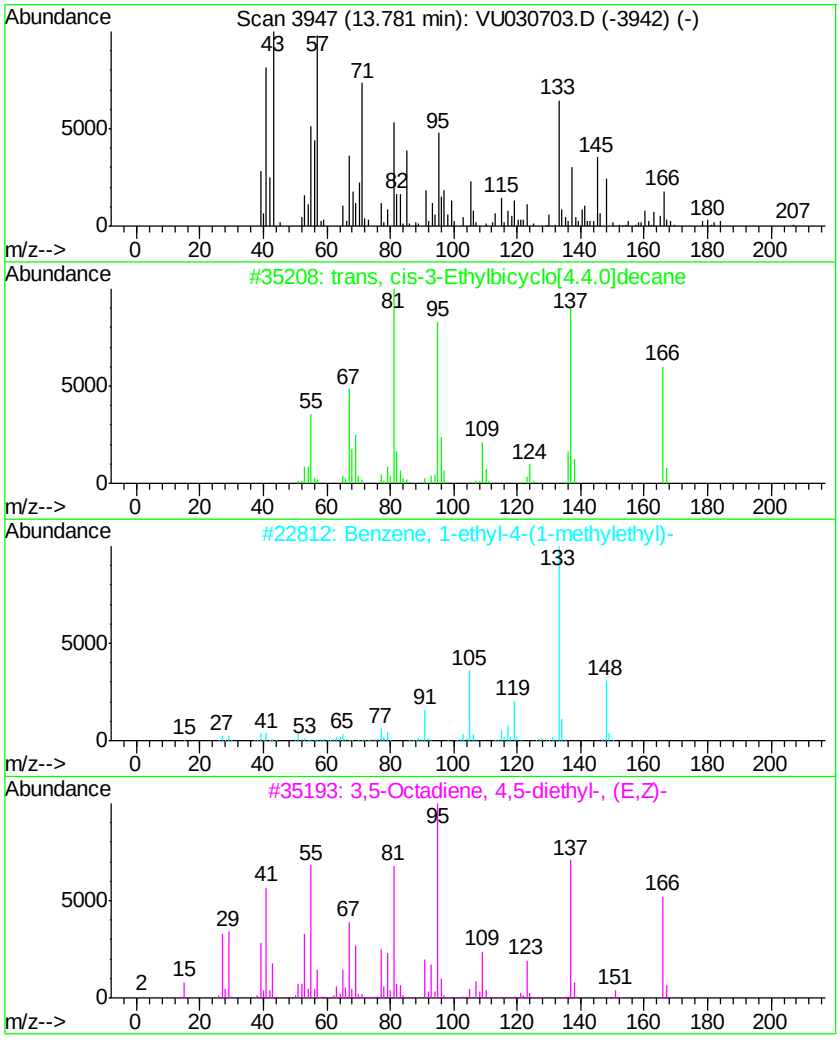
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

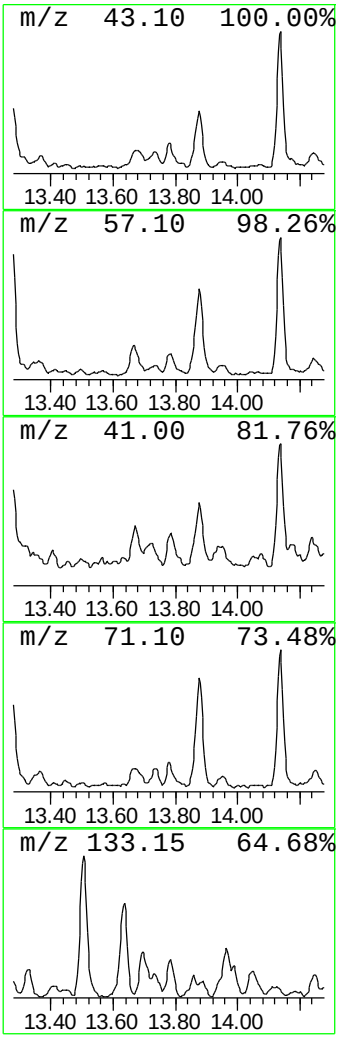
****

Peak Number 69 unknown-02 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	5.34 ug/L	159694	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	25
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	25
3	3,5-Octadiene, 4,5-diethyl-, (E,Z)-	166	C12H22	021293-02-7	20
4	3,5-Octadiene, 4,5-diethyl-	166	C12H22	067652-84-0	18
5	trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	18





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

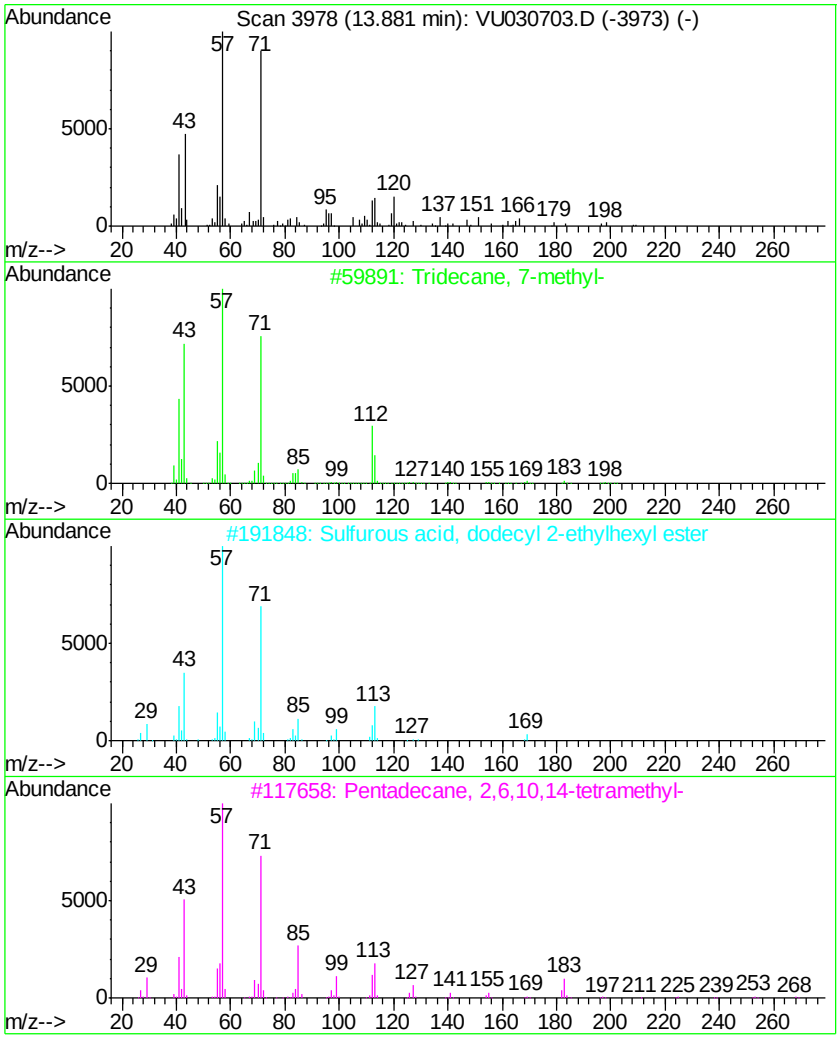
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

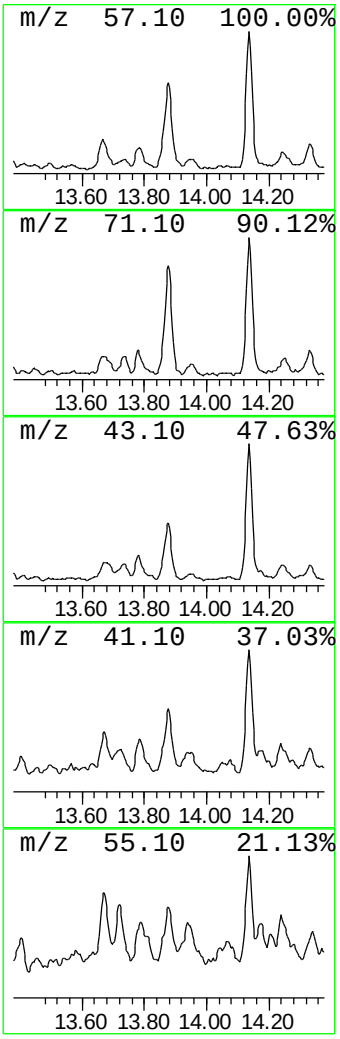
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	6.49 ug/L	194142	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	74
2	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
4	Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	64
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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

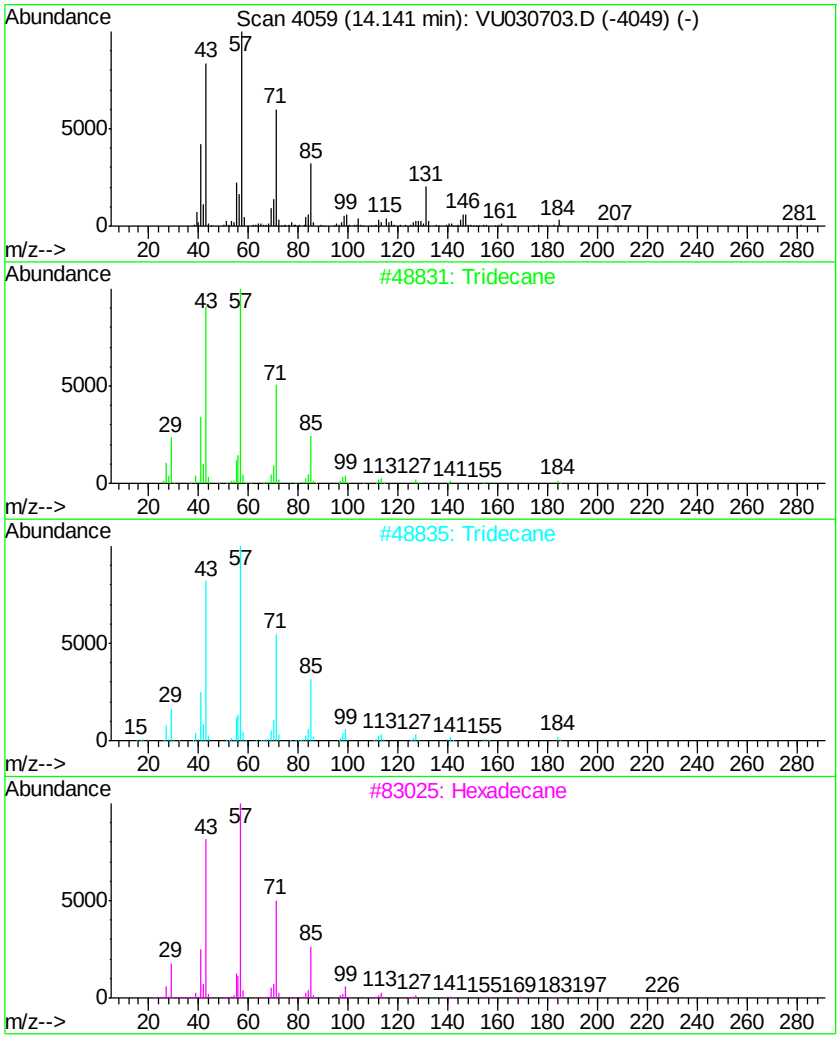
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

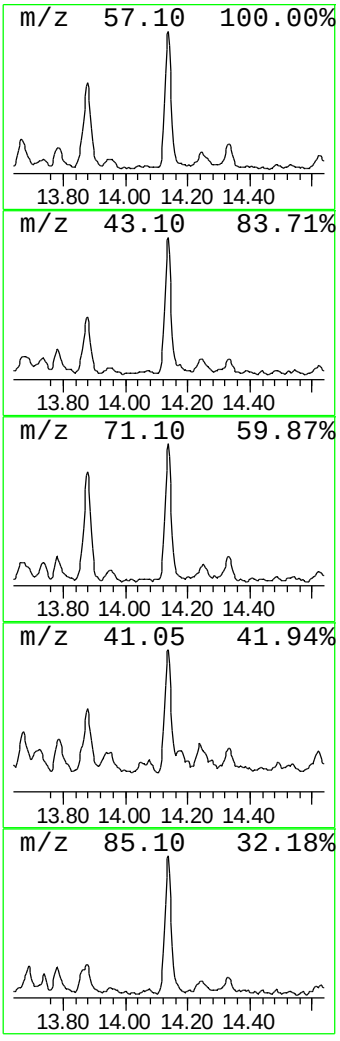
****

Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	15.01 ug/L	449115	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Tridecane	184	C13H28	000629-50-5	89
3	Hexadecane	226	C16H34	000544-76-3	64
4	Hexadecane	226	C16H34	000544-76-3	64
5	Tetradecane	198	C14H30	000629-59-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

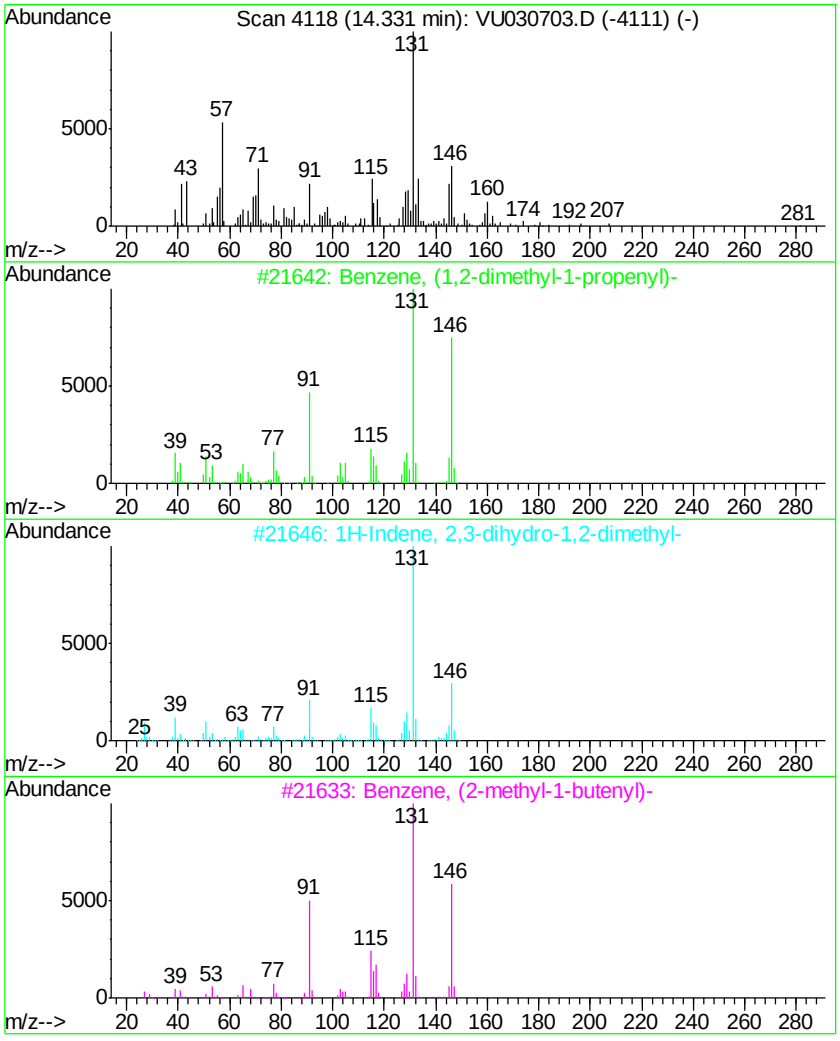
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

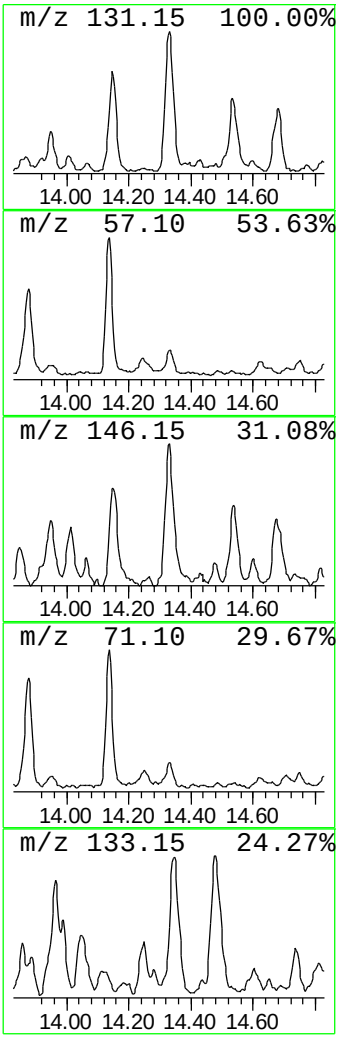
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 72 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	6.96 ug/L	208233	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	76
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	70
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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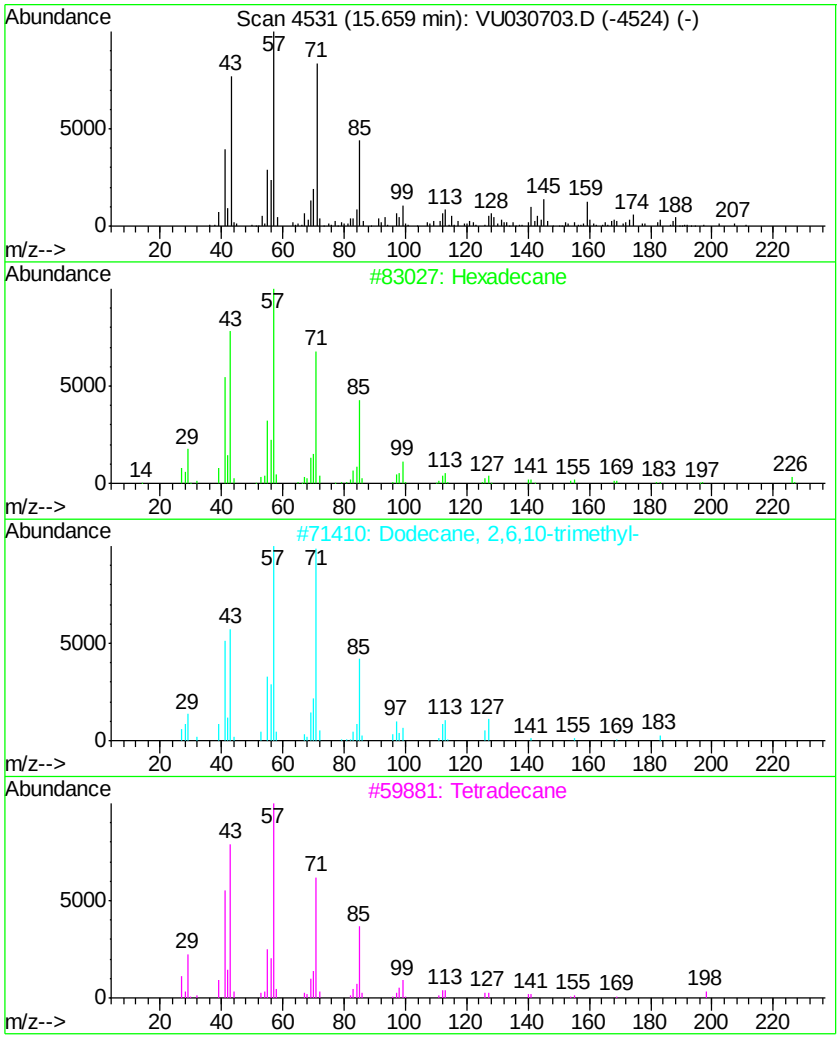
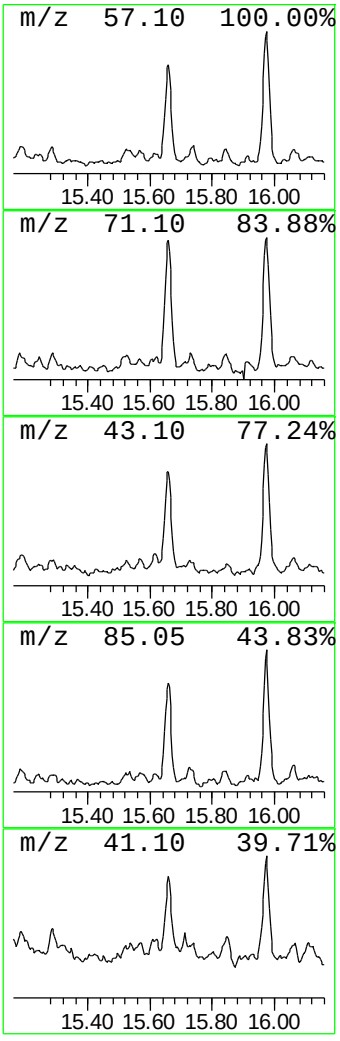
Peak Number 75 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	5.58 ug/L	166827	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3	Tetradecane	198	C14H30	000629-59-4	80
4	Nonadecane	268	C19H40	000629-92-5	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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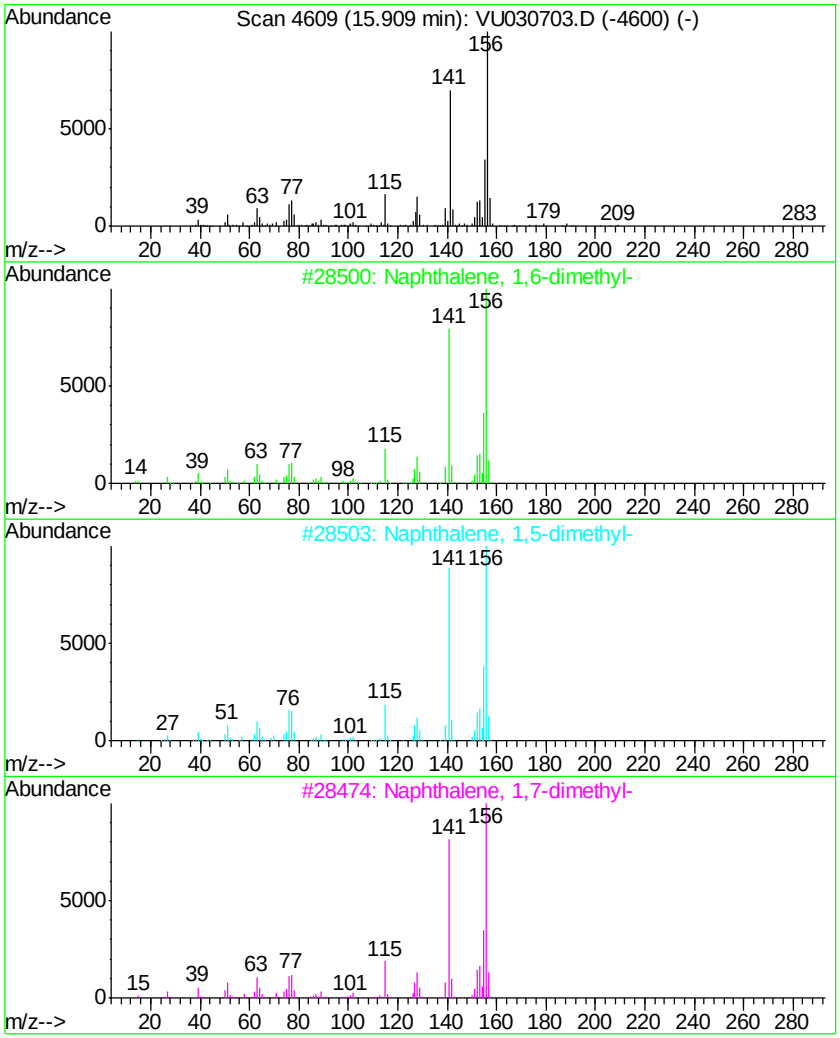
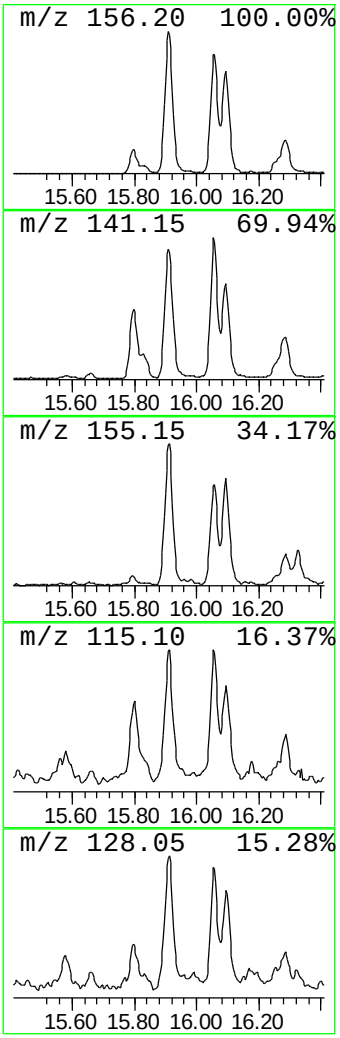
Peak Number 76 Naphthalene, 1,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	16.36 ug/L	489311	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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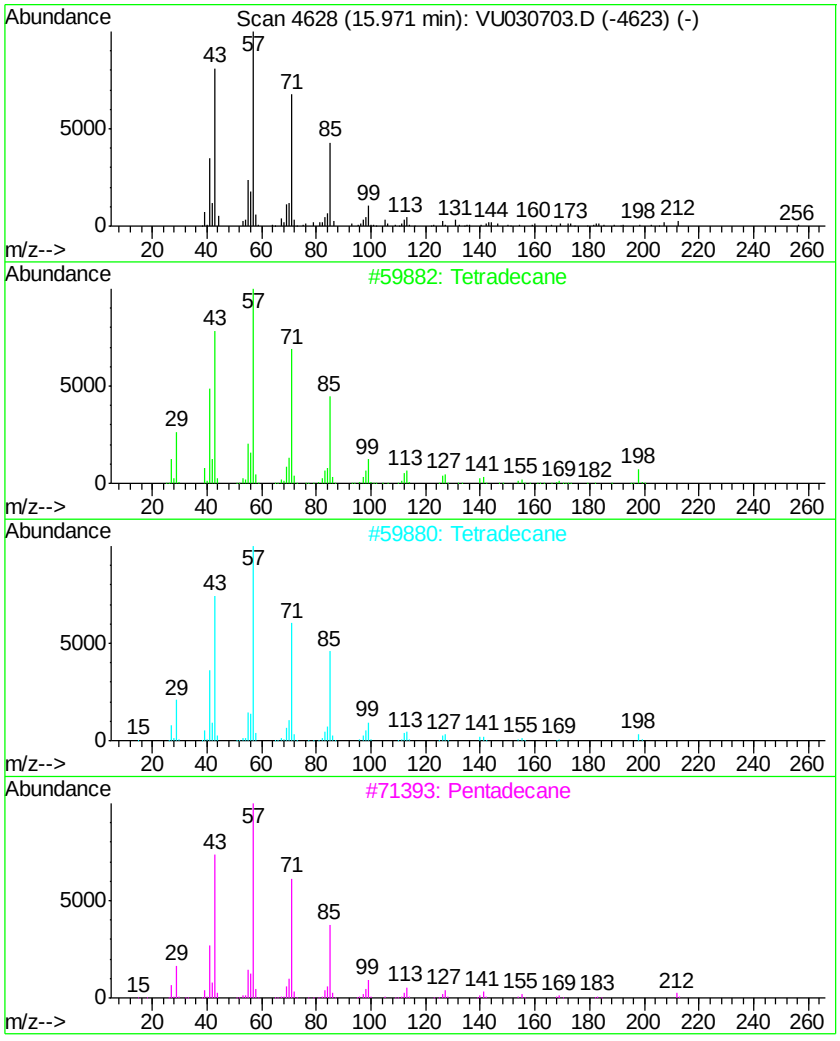
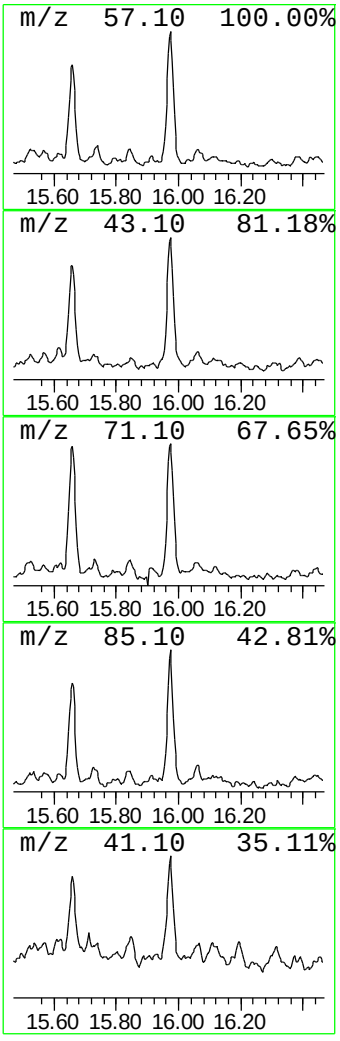
Peak Number 77 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	5.80 ug/L	173417	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Tetradecane	198	C14H30	000629-59-4	93
3	Pentadecane	212	C15H32	000629-62-9	93
4	Hexadecane	226	C16H34	000544-76-3	90
5	Hexadecane	226	C16H34	000544-76-3	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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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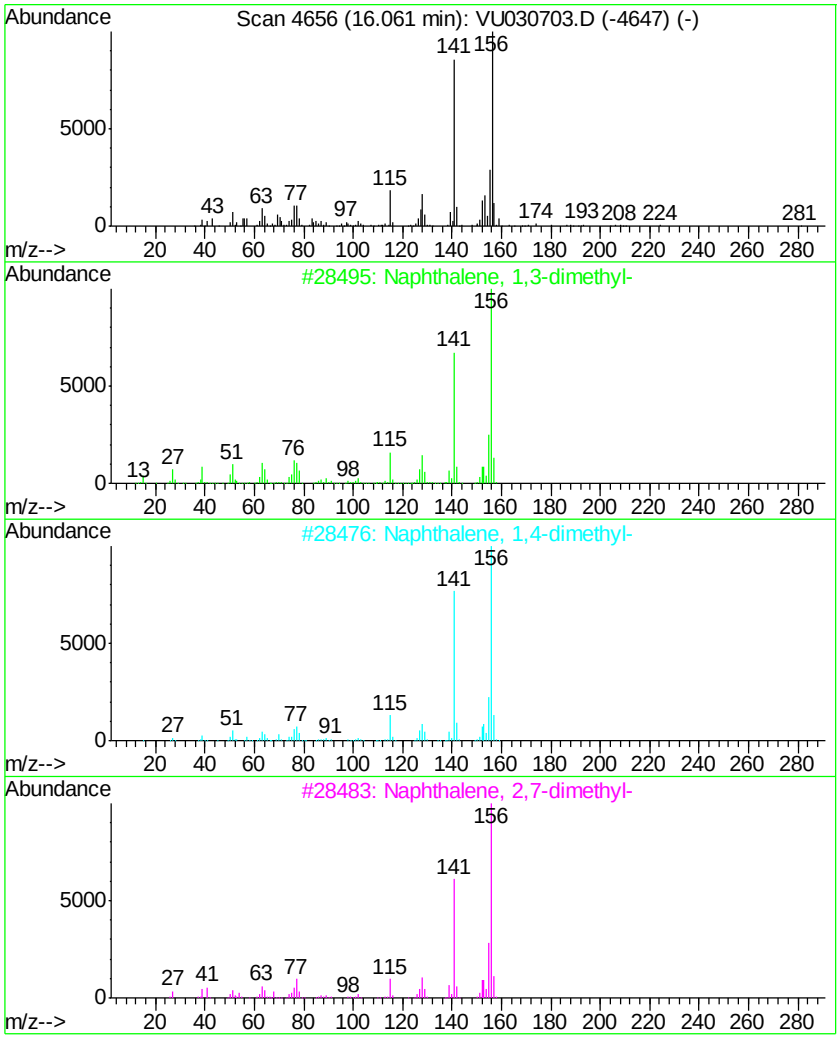
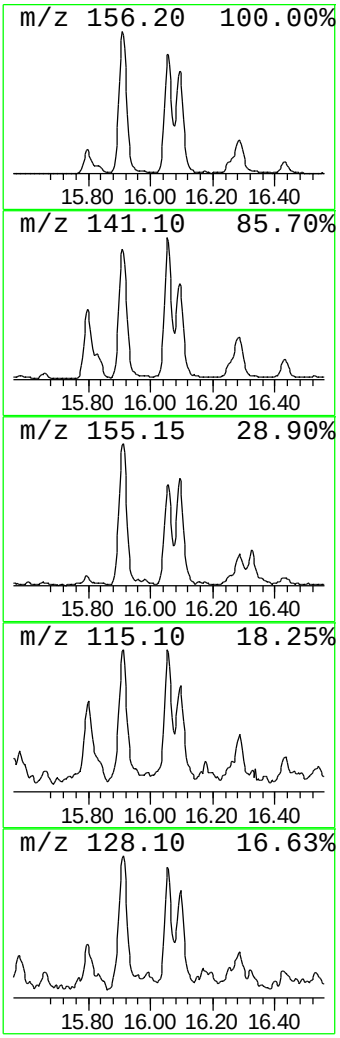
Peak Number 78 Naphthalene, 1,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	12.45 ug/L	372531	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	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040519\
Data File : VU030703.D
Acq On : 04 Apr 2019 23:14
Operator : JC/SP
Sample : K2168-13DL 5X
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638DL

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...	1.73	20.1	ug/L	509255	1	5.88	1269240	50.0
(DEL) Alkane: Str...	1.93	18.2	ug/L	461762	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	2.17	9.8	ug/L	247866	1	5.88	1269240	50.0
(DEL) Alkane: Str...	2.73	50.0	ug/L	1269320	1	5.88	1269240	50.0
(DEL) Alkane: Str...	2.98	29.6	ug/L	751846	1	5.88	1269240	50.0
(DEL) Alkane: Str...	3.29	42.7	ug/L	1084660	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	3.54	8.1	ug/L	204868	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	3.88	8.2	ug/L	207870	1	5.88	1269240	50.0
(DEL) Alkane: Str...	3.98	5.1	ug/L	130541	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	4.08	38.2	ug/L	970831	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	4.72	4.4	ug/L	112676	1	5.88	1269240	50.0
Cyclopentene, 4-m...	4.77	6.7	ug/L	168767	1	5.88	1269240	50.0
(DEL) Alkane: Str...	5.07	17.8	ug/L	450535	1	5.88	1269240	50.0
(DEL) Alkane: Str...	5.21	35.7	ug/L	906720	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	5.47	15.2	ug/L	384585	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	5.54	20.3	ug/L	515266	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	5.61	18.4	ug/L	468277	1	5.88	1269240	50.0
(DEL) Alkane: Str...	5.77	42.0	ug/L	1066560	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	5.94	17.7	ug/L	448356	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	6.21	9.1	ug/L	231028	1	5.88	1269240	50.0
(DEL) Alkane: Str...	6.53	6.4	ug/L	161629	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	6.64	7.8	ug/L	197985	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	6.73	7.2	ug/L	183799	1	5.88	1269240	50.0
(DEL) Alkane: Str...	6.92	12.4	ug/L	314121	1	5.88	1269240	50.0
Cyclobutane, (1-m...	7.06	14.0	ug/L	355142	1	5.88	1269240	50.0
(DEL) Alkane: Str...	7.18	24.0	ug/L	609364	1	5.88	1269240	50.0
(DEL) Alkane: Str...	7.33	17.4	ug/L	442950	1	5.88	1269240	50.0
Cyclohexane, meth...	7.43	6.1	ug/L	155296	1	5.88	1269240	50.0
(DEL) Alkane: Cyc...	7.70	4.7	ug/L	138642	2	9.09	1486640	50.0
(DEL) Alkane: Cyc...	7.91	11.1	ug/L	331068	2	9.09	1486640	50.0
(DEL) Alkane: Cyc...	8.04	6.2	ug/L	185019	2	9.09	1486640	50.0
(DEL) Alkane: Str...	8.45	6.1	ug/L	182383	2	9.09	1486640	50.0
(DEL) Alkane: Cyc...	8.54	7.4	ug/L	219963	2	9.09	1486640	50.0
(DEL) Alkane: Cyc...	8.60	9.7	ug/L	287847	2	9.09	1486640	50.0
(DEL) Alkane: Str...	8.81	5.0	ug/L	150003	2	9.09	1486640	50.0
(DEL) Alkane: Str...	8.91	17.1	ug/L	508330	2	9.09	1486640	50.0
(DEL) Alkane: Str...	9.03	16.0	ug/L	476039	2	9.09	1486640	50.0
(DEL) Alkane: Str...	9.44	29.5	ug/L	878218	2	9.09	1486640	50.0
(DEL) Alkane: Cyc...	9.71	7.6	ug/L	224805	2	9.09	1486640	50.0
(DEL) Alkane: Str...	9.95	16.6	ug/L	495174	2	9.09	1486640	50.0
(DEL) Alkane: Cyc...	10.04	8.2	ug/L	242598	2	9.09	1486640	50.0
(DEL) Alkane: Str...	10.32	7.6	ug/L	227301	3	11.48	1495820	50.0
(DEL) Alkane: Str...	10.35	6.6	ug/L	197206	3	11.48	1495820	50.0
(DEL) Alkane: Cyc...	10.49	6.0	ug/L	178268	3	11.48	1495820	50.0
Benzene, propyl-	10.58	9.4	ug/L	280781	3	11.48	1495820	50.0
Benzene, 1-ethyl-...	10.70	10.1	ug/L	300912	3	11.48	1495820	50.0
(DEL) Alkane: Cyc...	10.76	7.8	ug/L	231873	3	11.48	1495820	50.0
(DEL) Alkane: Str...	10.81	24.7	ug/L	737668	3	11.48	1495820	50.0
Benzene, 1-ethyl-...	10.97	9.9	ug/L	295809	3	11.48	1495820	50.0

(DEL) Alkane: Str...	11.11	8.8	ug/L	263367	3	11.48	1495820	50.0
Benzene, 1,2,3-tr...	11.14	11.0	ug/L	328055	3	11.48	1495820	50.0
(DEL) Alkane: Str...	11.33	5.3	ug/L	157816	3	11.48	1495820	50.0
(DEL) Alkane: Cyc...	11.39	4.9	ug/L	147713	3	11.48	1495820	50.0
(DEL) Alkane: Str...	11.60	3.8	ug/L	113655	3	11.48	1495820	50.0
(DEL) Alkane: Str...	11.70	4.1	ug/L	123082	3	11.48	1495820	50.0
Benzene, 1,2-diet...	11.77	10.2	ug/L	303700	3	11.48	1495820	50.0
(DEL) Alkane: Str...	12.02	24.5	ug/L	732260	3	11.48	1495820	50.0
o-Cymene	12.25	12.9	ug/L	387320	3	11.48	1495820	50.0
Benzene, (2-methy...	12.35	9.1	ug/L	271174	3	11.48	1495820	50.0
Naphthalene, deca...	12.50	4.0	ug/L	119011	3	11.48	1495820	50.0
(DEL) Alkane: Cyc...	12.61	6.4	ug/L	192504	3	11.48	1495820	50.0
Benzene, 1,2,4,5-...	12.64	11.7	ug/L	351349	3	11.48	1495820	50.0
unknown-01	13.03	4.2	ug/L	126255	3	11.48	1495820	50.0
(DEL) Alkane: Str...	13.12	33.6	ug/L	1006830	3	11.48	1495820	50.0
(DEL) Alkane: Str...	13.28	11.5	ug/L	344965	3	11.48	1495820	50.0
1H-Indene, 2,3-di...	13.50	6.7	ug/L	201520	3	11.48	1495820	50.0
unknown-02	13.78	5.3	ug/L	159694	3	11.48	1495820	50.0
(DEL) Alkane: Str...	13.88	6.5	ug/L	194142	3	11.48	1495820	50.0
(DEL) Alkane: Str...	14.14	15.0	ug/L	449115	3	11.48	1495820	50.0
Benzene, (1,2-dim...	14.33	7.0	ug/L	208233	3	11.48	1495820	50.0
(DEL) Alkane: Str...	15.66	5.6	ug/L	166827	3	11.48	1495820	50.0
Naphthalene, 1,6-...	15.91	16.4	ug/L	489311	3	11.48	1495820	50.0
(DEL) Alkane: Str...	15.97	5.8	ug/L	173417	3	11.48	1495820	50.0
Naphthalene, 1,3-...	16.06	12.4	ug/L	372531	3	11.48	1495820	50.0

Instrument :
MSVOA_U
ClientSampleId :
BF638DL