LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

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\SOMULM021519WMA.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	1.302	59	66	79	rBV	366189	361781	1.79%	0.276%
2	1.399	86	96	108	rBV	3535906	3638360	17.97%	2.773%
3	1.678	174	183	196	rBV	169110	212118	1.05%	0.162%
4	1.756	196	207	234	rVV	4937541	6452323	31.86%	4.917%
5	1.945	255	266	289	rBV2	1810191	2688488	13.28%	2.049%
6	2.048	289	298	308	rBV	103081	138793	0.69%	0.106%
7	2.183	329	340	354	rBV	3110207	4524987	22.34%	3.448%
8	2.270	355	367	374	rBV	322819	522197	2.58%	0.398%
9	2.704	468	502	505	rBV4	393785	1050791	5.19%	0.801%
10	2.743	507	514	520	rVV	938944	1741446	8.60%	1.327%
11	2.791	521	529	559	rVB	1510081	3011833	14.87%	2.295%
12	2.997	576	593	625	rBV	782636	1681053	8.30%	1.281%
13	3.302	673	688	709	rVB	170166	358364	1.77%	0.273%
14	3.553	748	766	783	rBV	514724	1189050	5.87%	0.906%
15	3.656	784	798	812	rBV	252260	593813	2.93%	0.453%
16	3.887	855	870	888	rVB	365753	902366	4.46%	0.688%
17	3.993	890	903	915	rBV	79306	187412	0.93%	0.143%
18	4.093	915	934	950	rBV	1747754	4636282	22.89%	3.533%
19	4.177	950	960	978	rVB2	234354	585464	2.89%	0.446%
20	4.646	1092	1106	1120	rVV	253795	592056	2.92%	0.451%
21	4.775	1121	1146	1169	rVB	880456	2168821	10.71%	1.653%
22	4.993	1197	1214	1228	rBV2	897821	2190472	10.82%	1.669%
23	5.077	1229	1240	1266	rVB2	349068	958113	4.73%	0.730%
24	5.215	1268	1283	1302	rBV2	260160	710746	3.51%	0.542%
25	5.389	1302	1337	1351	rBV	9062478	20251804	100.00%	15.434%
26	5.620	1400	1409	1426	rVB3	215237	510219	2.52%	0.389%
27	5.778	1444	1458	1477	rVB5	88391	196219	0.97%	0.150%
28	5.884	1477	1491	1500	rBV	528424	1034247	5.11%	0.788%
29	5.942	1500	1509	1532	rVV6	341881	1082968	5.35%	0.825%
30	6.119	1554	1564	1580	rVB2	69286	137122	0.68%	0.105%
31	6.222	1580	1596	1615	rBV6	169506	386402	1.91%	0.294%
32	6.328	1616	1629	1638	rBV	335610	657324	3.25%	0.501%
33	6.411	1639	1655	1669	rVB5	762401	1904756	9.41%	1.452%
34	6.640	1715	1726	1741	rVB	175667	334717	1.65%	0.255%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

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\SOMULM021519WMA.M
Title : VOC Analysis

35	6.839	1767	1788	1800	rBV5	112559	379454	1.87%	0.289%
36	6.923	1801	1814	1830	rVB2	125696	301143	1.49%	0.230%
37	7.064	1832	1858	1867	rBV4	405042	989813	4.89%	0.754%
38	7.115	1869	1874	1892	rVB2	102194	191043	0.94%	0.146%
39	7.225	1895	1908	1920	rBV	223971	435871	2.15%	0.332%
40	7.292	1920	1929	1939	rVV	196324	368222	1.82%	0.281%
41	7.360	1939	1950	1961	rVV	635487	1148047	5.67%	0.875%
42	7.427	1962	1971	1990	rVB2	283801	549496	2.71%	0.419%
43	7.562	1991	2013	2025	rBV	758445	1571280	7.76%	1.197%
44	7.633	2026	2035	2047	rVV	973147	1730023	8.54%	1.318%
45	7.710	2048	2059	2090	rVV2	688462	1480015	7.31%	1.128%
46	7.845	2091	2101	2113	rVV2	196376	368866	1.82%	0.281%
47	7.913	2115	2122	2140	rVB8	60006	149005	0.74%	0.114%
48	8.045	2154	2163	2170	rVV2	80254	138952	0.69%	0.106%
49	8.090	2170	2177	2193	rVB2	89007	158542	0.78%	0.121%
50	8.308	2229	2245	2256	rVV	602707	1057641	5.22%	0.806%
51	8.392	2256	2271	2286	rVV2	263802	670817	3.31%	0.511%
52	8.495	2288	2303	2313	rVV5	135601	266355	1.32%	0.203%
53	9.022	2453	2467	2478	rVV	785372	1402299	6.92%	1.069%
54	9.086	2478	2487	2503	rVV	814445	1686425	8.33%	1.285%
55	9.167	2503	2512	2526	rVV	750927	1344445	6.64%	1.025%
56	9.247	2526	2537	2563	rVV	1451996	2757880	13.62%	2.102%
57	9.373	2564	2576	2604	rVV	1821686	3231533	15.96%	2.463%
58	9.775	2691	2701	2710	rVV	82983	139491	0.69%	0.106%
59	9.942	2742	2753	2767	rVV	241123	487533	2.41%	0.372%
60	10.074	2780	2794	2802	rVV4	80880	174792	0.86%	0.133%
61	10.164	2803	2822	2833	rVB	473553	851403	4.20%	0.649%
62	10.414	2884	2900	2917	rVB3	1151058	2650039	13.09%	2.020%
63	10.540	2928	2939	2945	rBV	567130	864090	4.27%	0.659%
64	10.585	2945	2953	2967	rVB	1312621	2057194	10.16%	1.568%
65	10.771	3005	3011	3026	rVB3	111082	191930	0.95%	0.146%
66	10.967	3060	3072	3092	rBV	744898	1237031	6.11%	0.943%
67	11.144	3117	3127	3136	rVV	124216	205091	1.01%	0.156%
68	11.199	3136	3144	3159	rVB	155458	245214	1.21%	0.187%
69	11.315	3161	3180	3198	rBV7	331706	831496	4.11%	0.634%
70	11.479	3220	3231	3248	rBV	939241	1507944	7.45%	1.149%
71	11.572	3248	3260	3262	rBV	418336	596569	2.95%	0.455%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

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\SOMULM021519WMA.M
Title : VOC Analysis

72	11.656	3278	3286	3305	rVB	303289	538510	2.66%	0.410%
73	11.762	3306	3319	3338	rBV	4525593	7600832	37.53%	5.793%
74	11.858	3338	3349	3367	rVB2	1058707	1811874	8.95%	1.381%
75	11.977	3376	3386	3398	rVB	145680	226779	1.12%	0.173%
76	12.051	3399	3409	3421	rBV2	312133	497492	2.46%	0.379%
77	12.138	3422	3436	3445	rBV5	55344	131597	0.65%	0.100%
78	12.247	3459	3470	3477	rBV	1222866	1813602	8.96%	1.382%
79	12.283	3478	3481	3491	rVV	288240	359309	1.77%	0.274%
80	12.350	3491	3502	3523	rVB	943620	1690010	8.34%	1.288%
81	12.610	3572	3583	3590	rVV	1299410	2148533	10.61%	1.637%
82	12.646	3590	3594	3604	rVV	654282	892125	4.41%	0.680%
83	12.700	3605	3611	3624	rVV4	73095	139234	0.69%	0.106%
84	12.784	3628	3637	3654	rVB3	119003	202846	1.00%	0.155%
85	12.961	3683	3692	3710	rVB	695885	1084787	5.36%	0.827%
86	13.077	3718	3728	3732	rBV	140759	231740	1.14%	0.177%
87	13.118	3732	3741	3751	rVV2	1585168	2508492	12.39%	1.912%
88	13.180	3751	3760	3772	rVV	1173881	1905695	9.41%	1.452%
89	13.292	3786	3795	3805	rVB6	97349	157177	0.78%	0.120%
90	13.392	3814	3826	3837	rBV	1792115	2928095	14.46%	2.232%
91	13.453	3837	3845	3853	rVB	181214	277701	1.37%	0.212%
92	13.504	3853	3861	3871	rBV3	209732	304147	1.50%	0.232%
93	13.604	3887	3892	3899	rVB	118356	152101	0.75%	0.116%
94	13.739	3924	3934	3943	rVV	116887	196629	0.97%	0.150%
95	13.945	3985	3998	4010	rBV7	93218	224844	1.11%	0.171%
96	14.151	4052	4062	4076	rBV2	138986	238249	1.18%	0.182%
97	14.331	4107	4118	4131	rBV2	102415	211792	1.05%	0.161%
98	14.536	4172	4182	4196	rVB4	76168	140557	0.69%	0.107%
99	14.874	4277	4287	4303	rVV	124662	226522	1.12%	0.173%
100	15.061	4334	4345	4359	rVV	209406	365003	1.80%	0.278%

Sum of corrected areas: 131216165

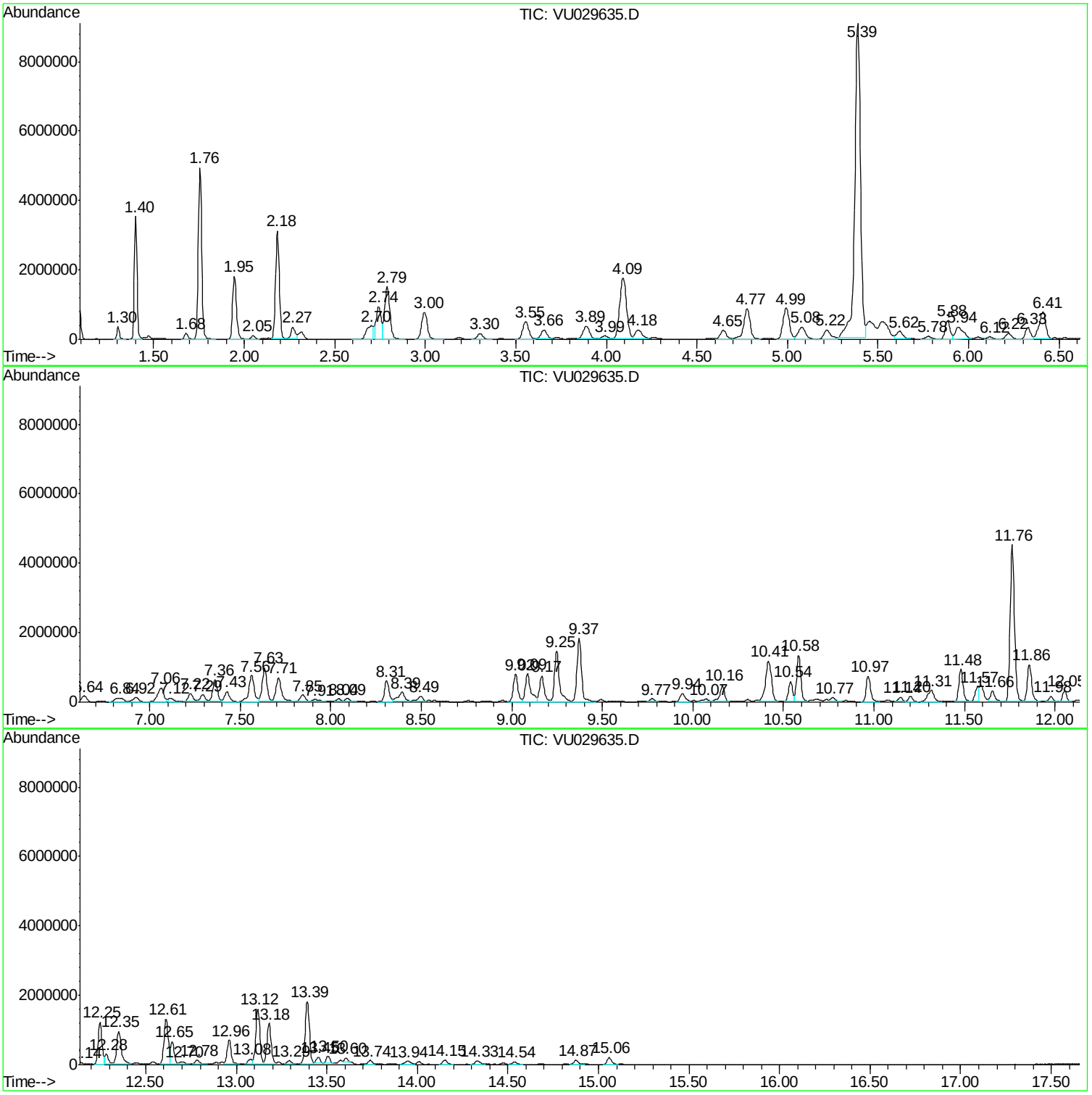
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

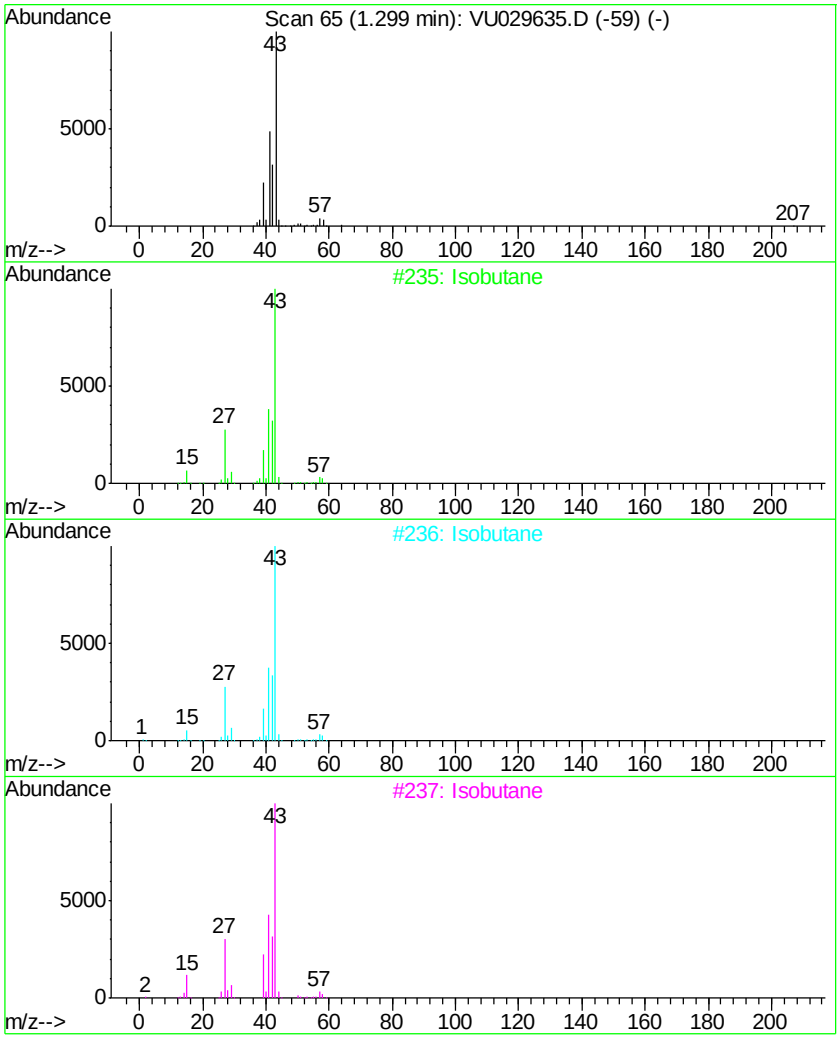
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

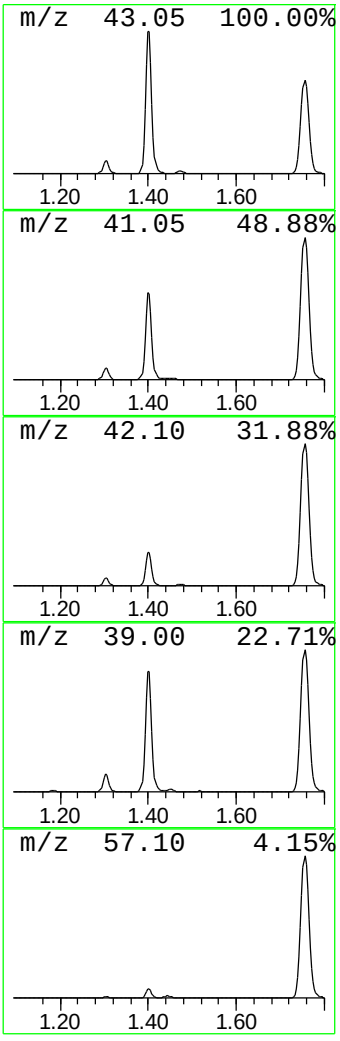
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	17.49 ug/L	361781	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	53
5	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

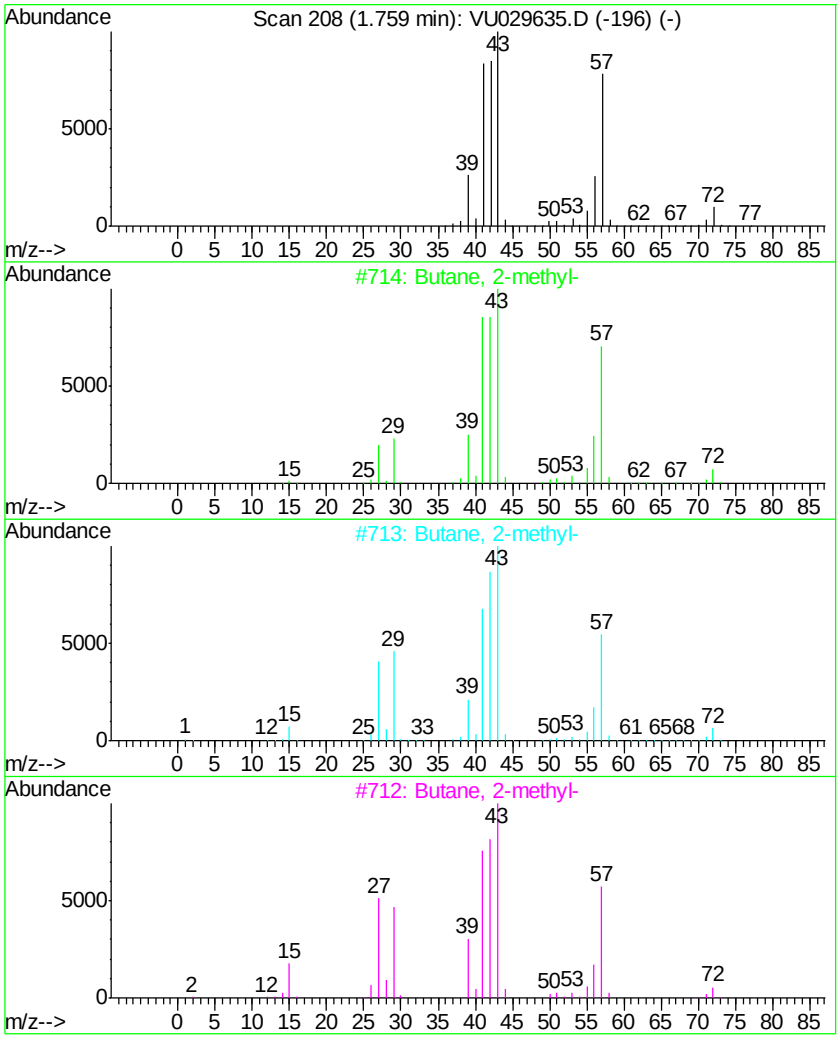
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

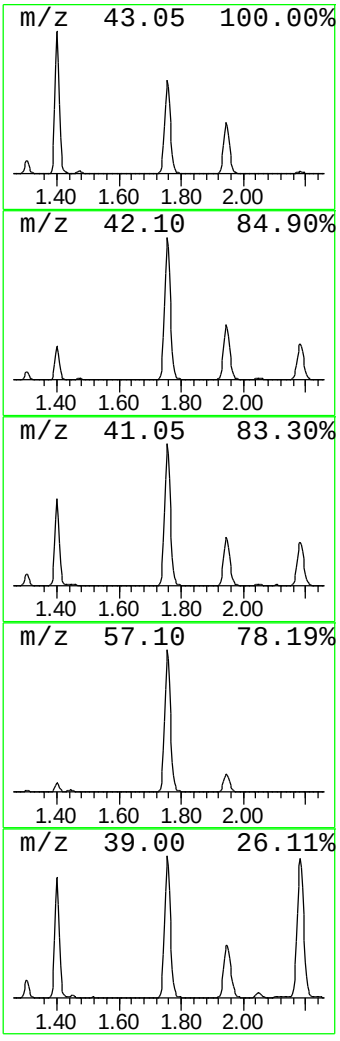
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	311.93 ug/L	6452320	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	86
4	Pentane	72	C5H12	000109-66-0	42
5	Pentane	72	C5H12	000109-66-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
Data File : VU029635.D
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Sample : K1581-19
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ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

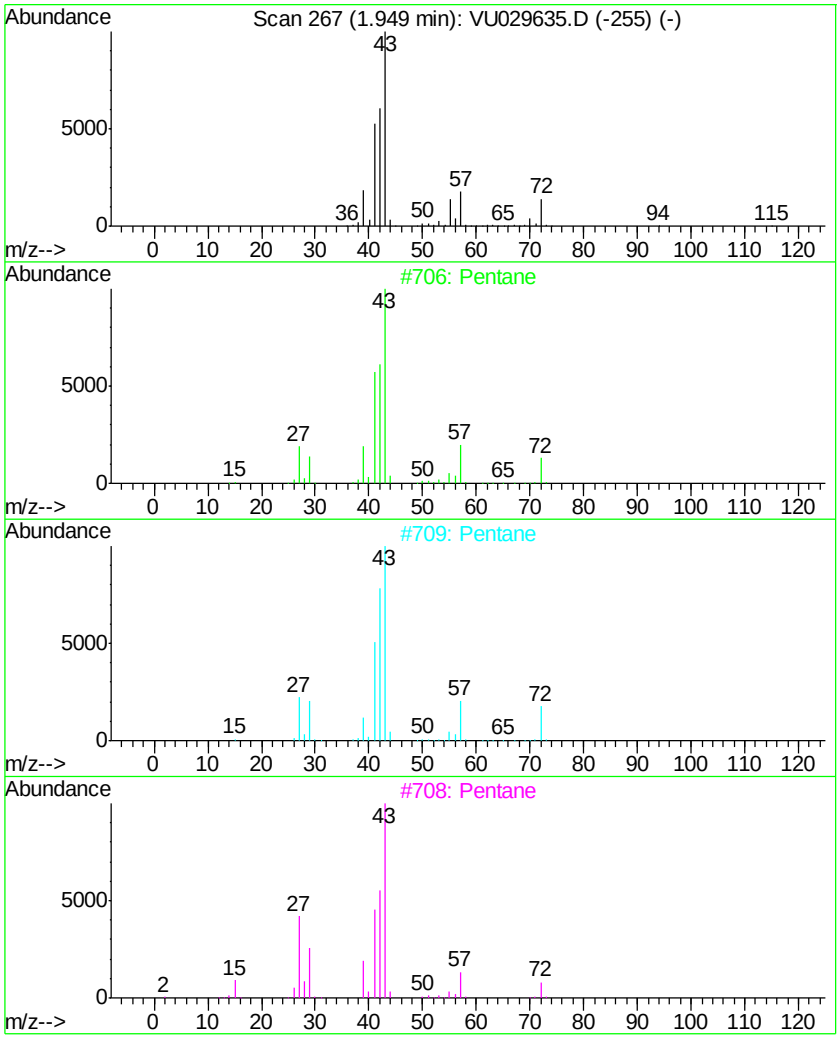
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

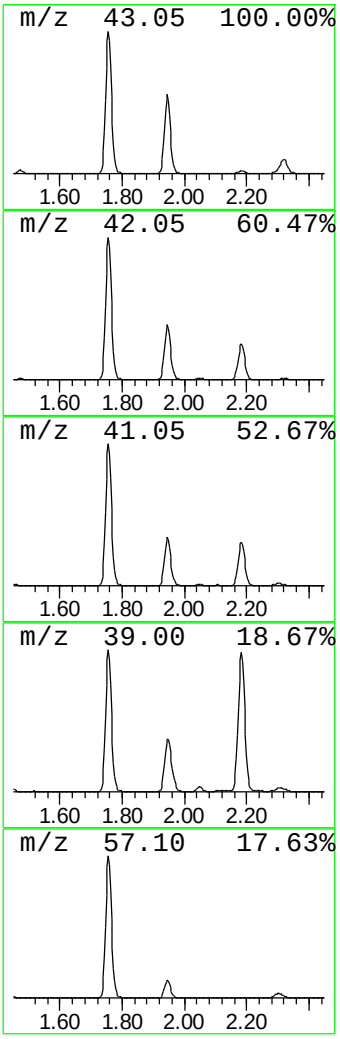
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	129.97 ug/L	2688490	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	86
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

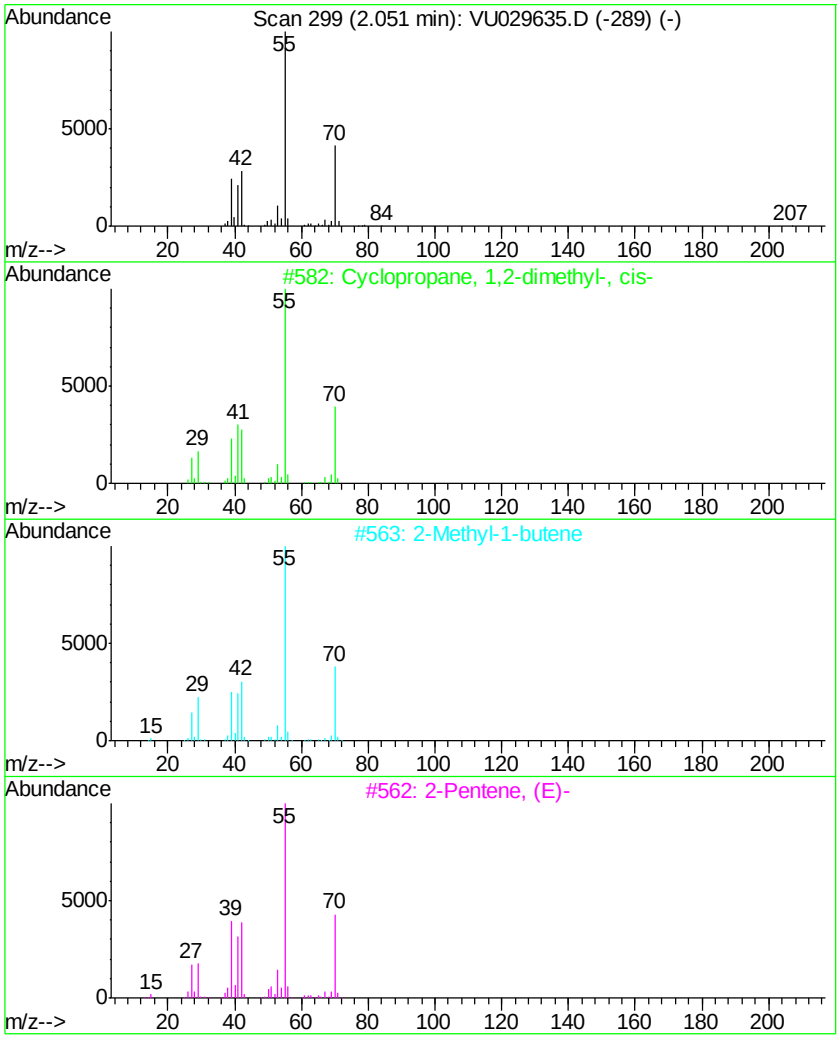
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

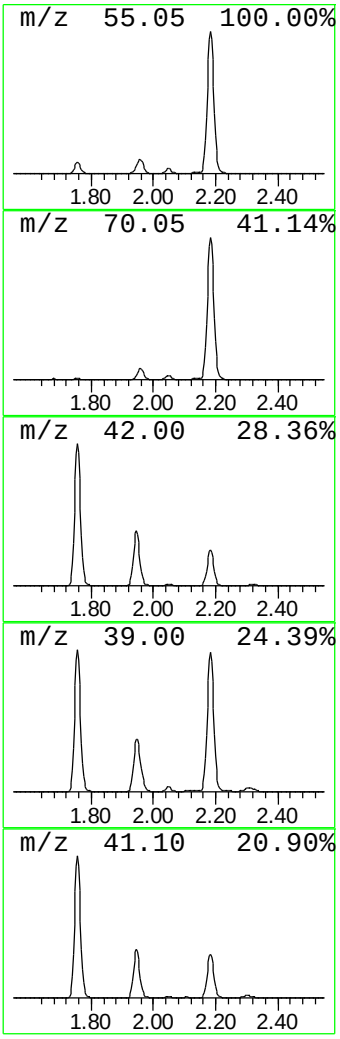
****

Peak Number 4 (DEL) Alkane: Cyclic2.05 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	6.71 ug/L	138793	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Methyl-1-butene	70	C5H10	000563-46-2	91
3	2-Pentene, (E)-	70	C5H10	000646-04-8	91
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

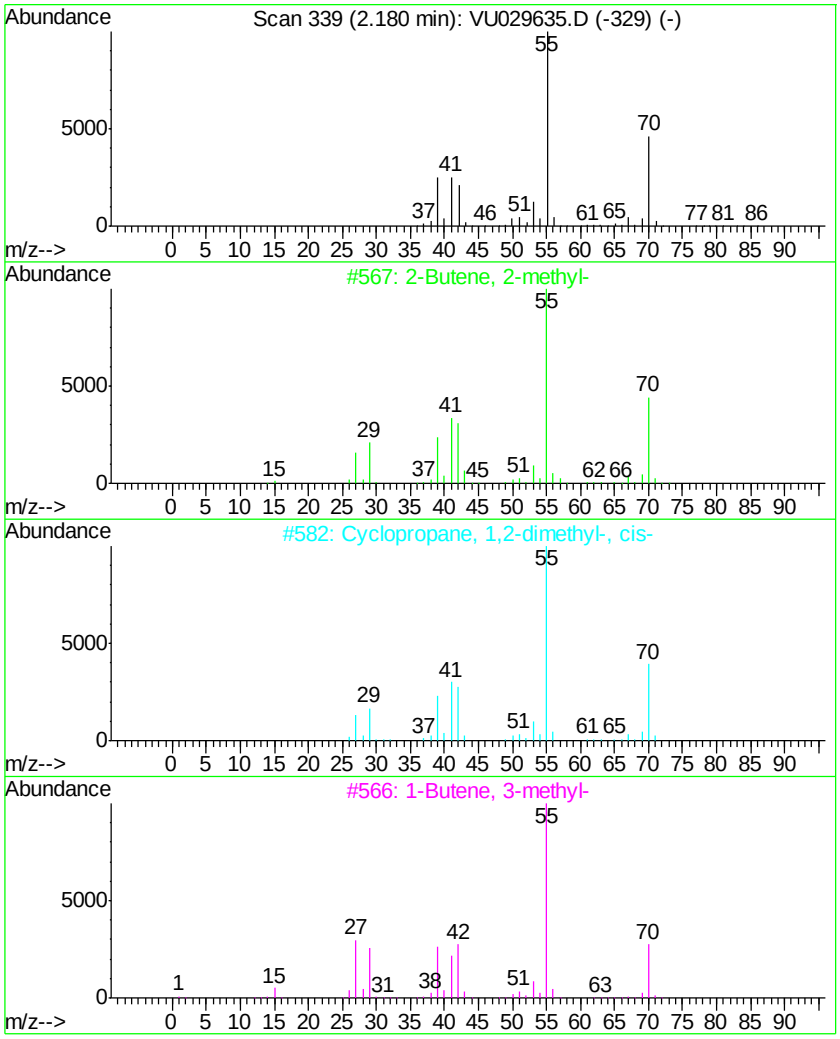
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

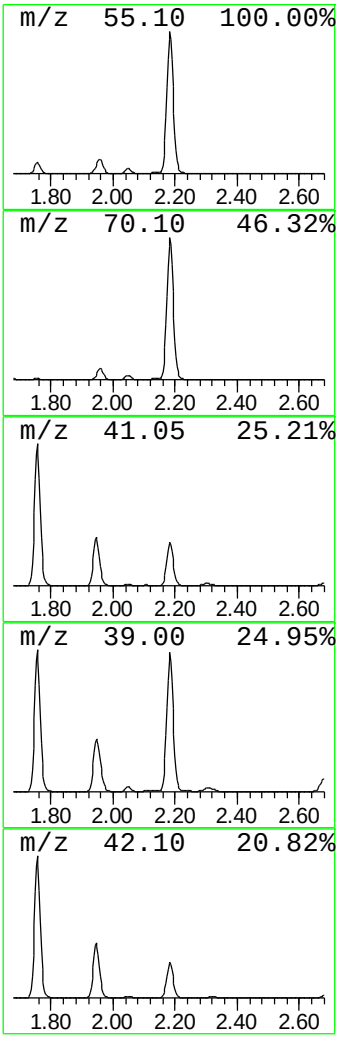
****

Peak Number 5 (DEL) Alkane: Cyclic2.18 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	218.76 ug/L	4524990	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	86
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	80
5	2-Pentene	70	C5H10	000109-68-2	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

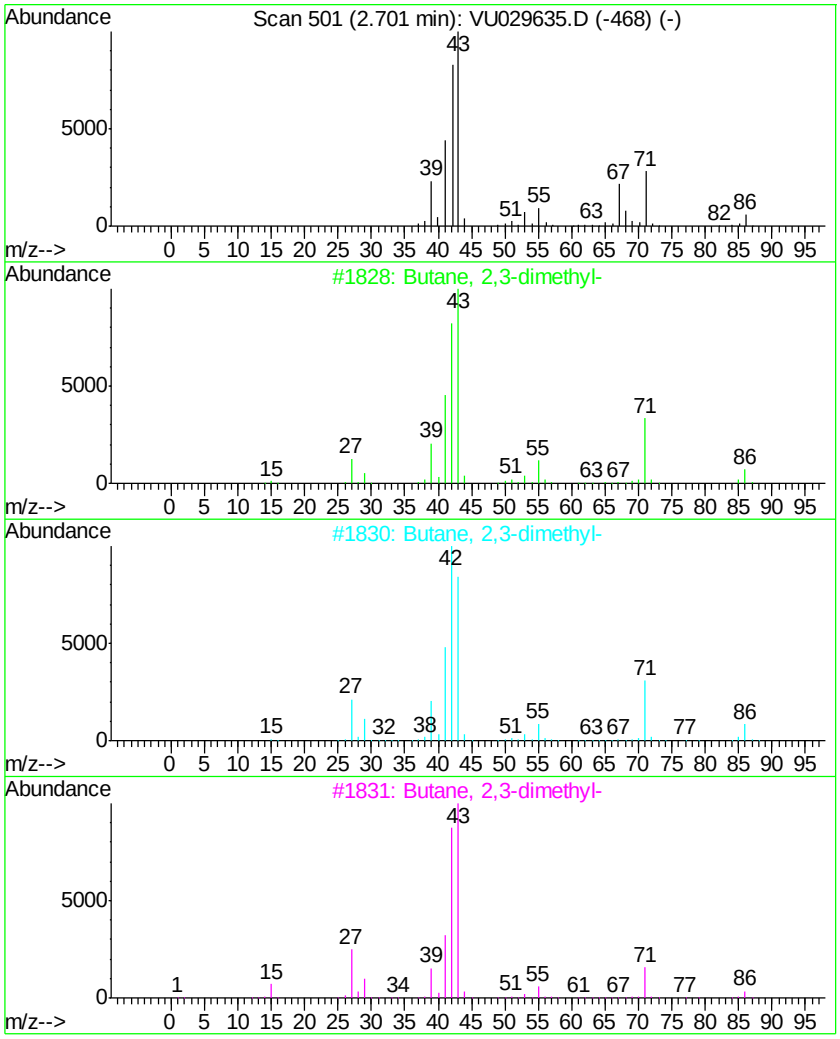
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

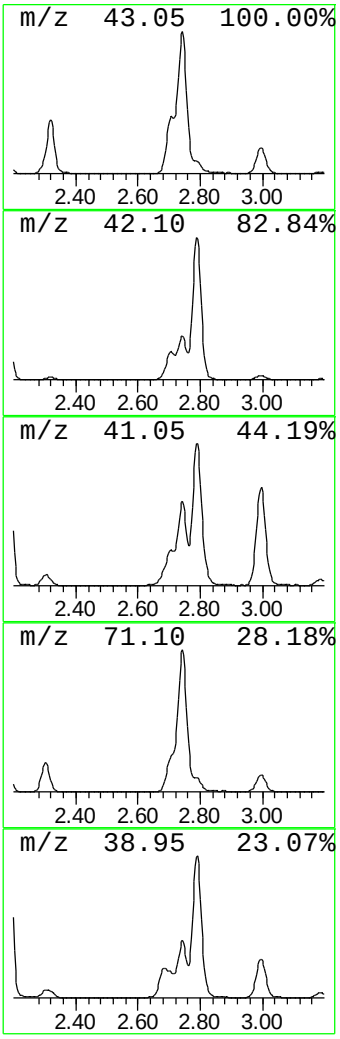
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.70	50.80 ug/L	1050790	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	59
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	47





Library Search Compound Report

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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

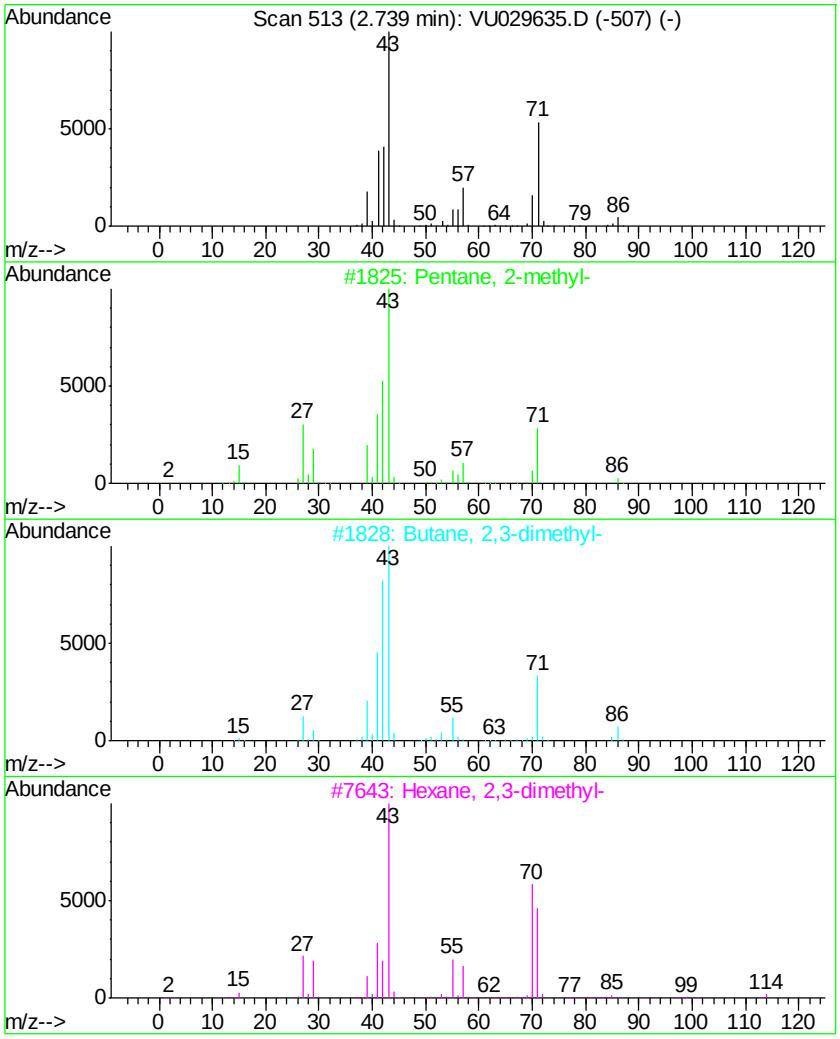
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

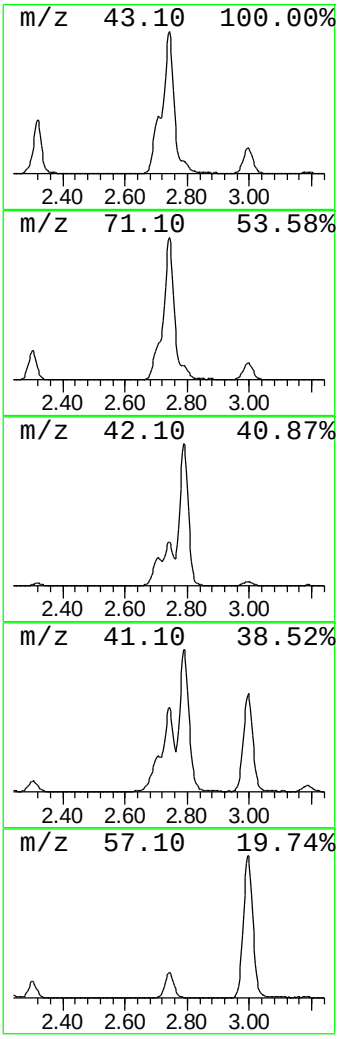
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	84.19 ug/L	1741450	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	83
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	47
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
5	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	40





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

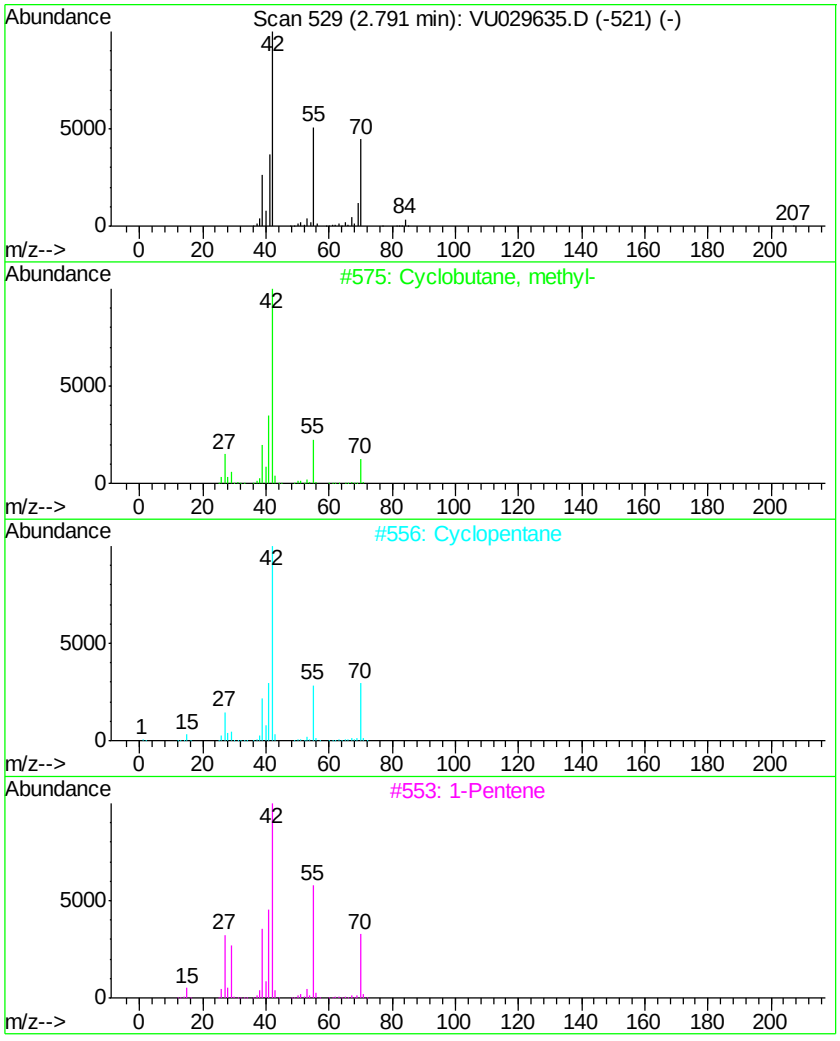
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

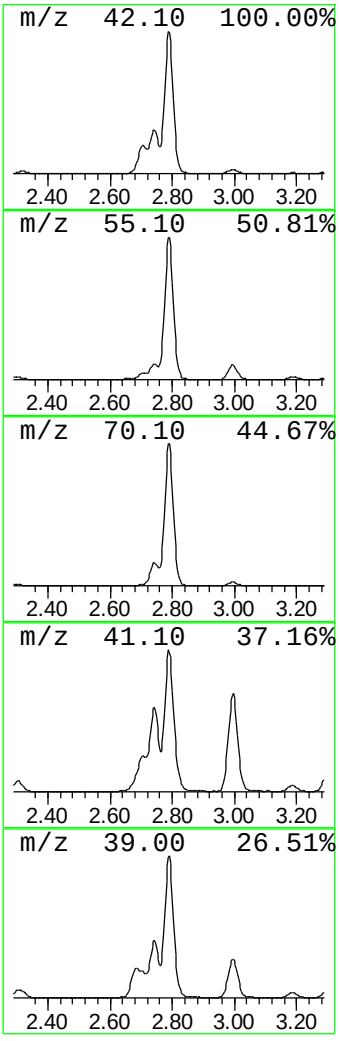
****

Peak Number 8 (DEL) Alkane: Cyclic2.79 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	145.61 ug/L	3011830	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	80
2	Cyclopentane	70	C5H10	000287-92-3	78
3	1-Pentene	70	C5H10	000109-67-1	64
4	1-Pentene	70	C5H10	000109-67-1	50
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	43





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

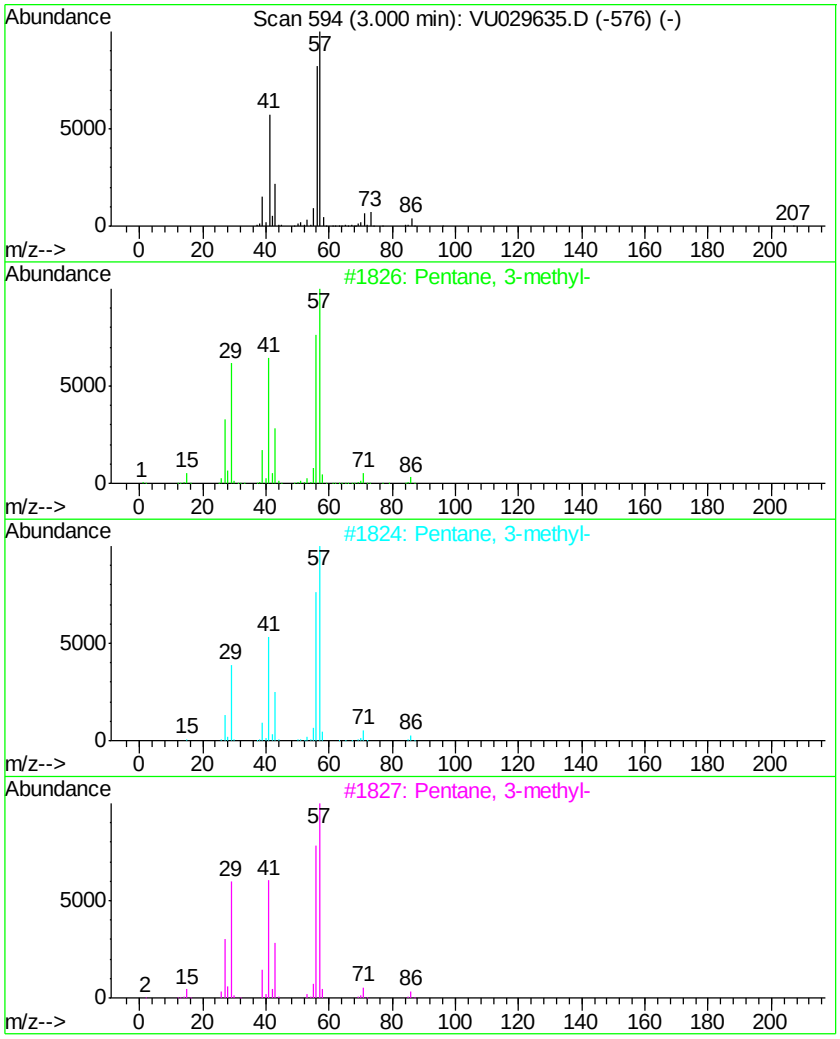
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

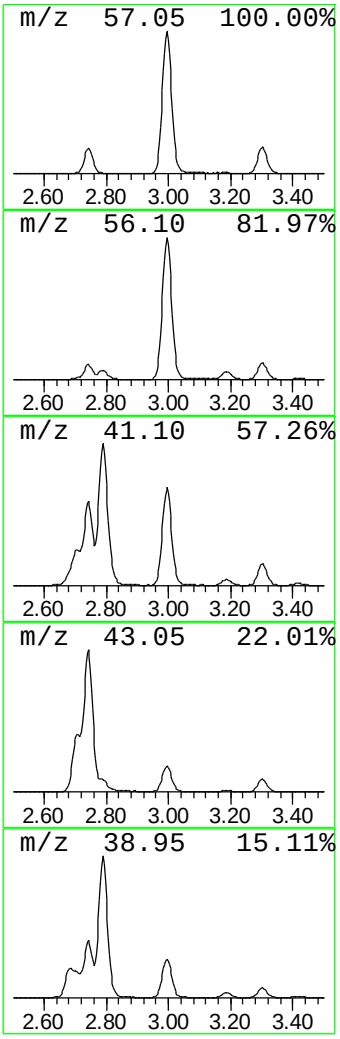
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	81.27 ug/L	1681050	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	87
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

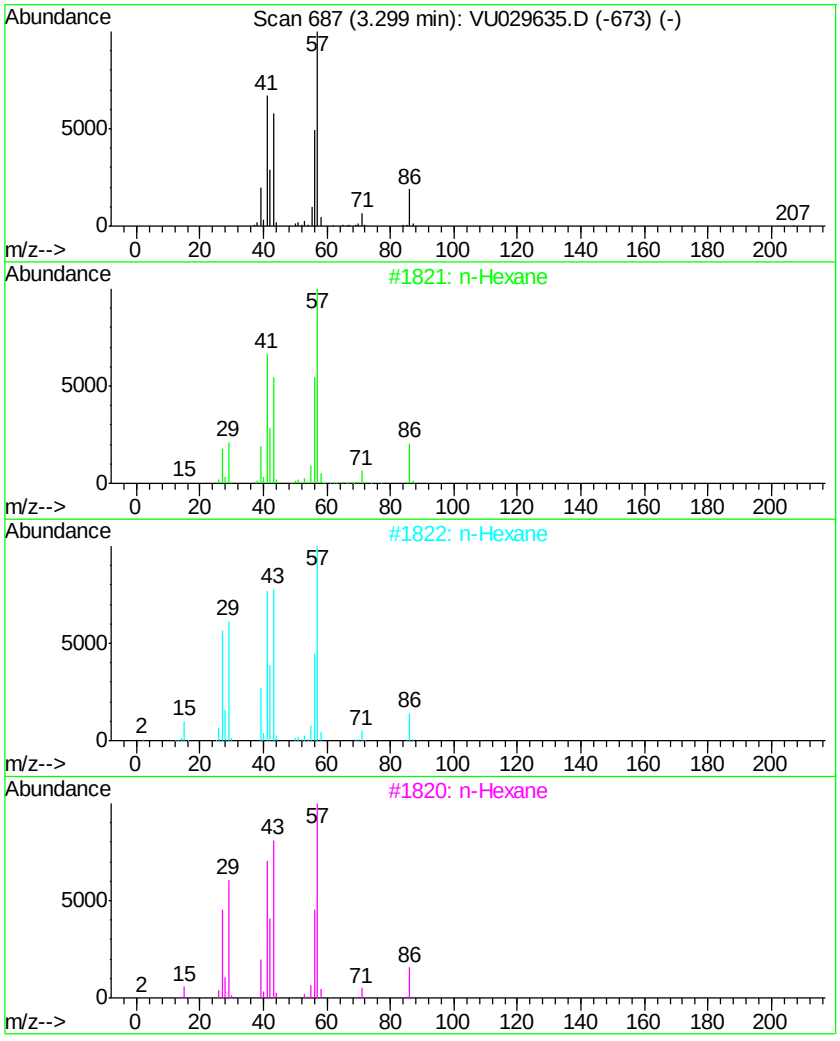
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

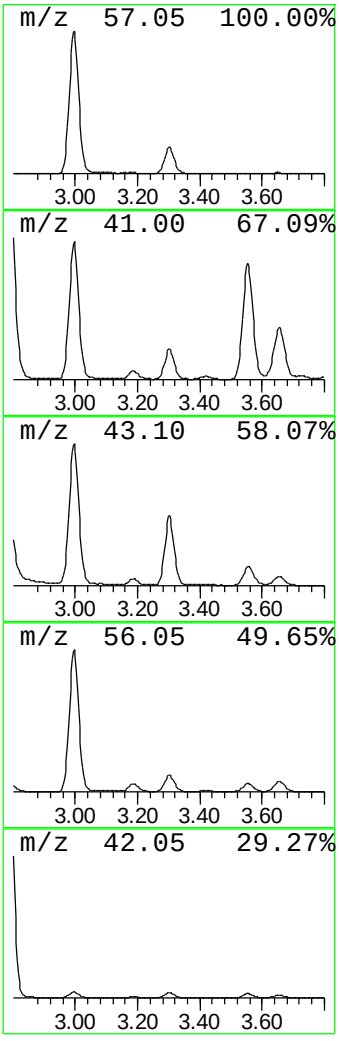
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	17.32 ug/L	358364	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	59
4	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	35
5	3-Pentanone	86	C5H10O	000096-22-0	35





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

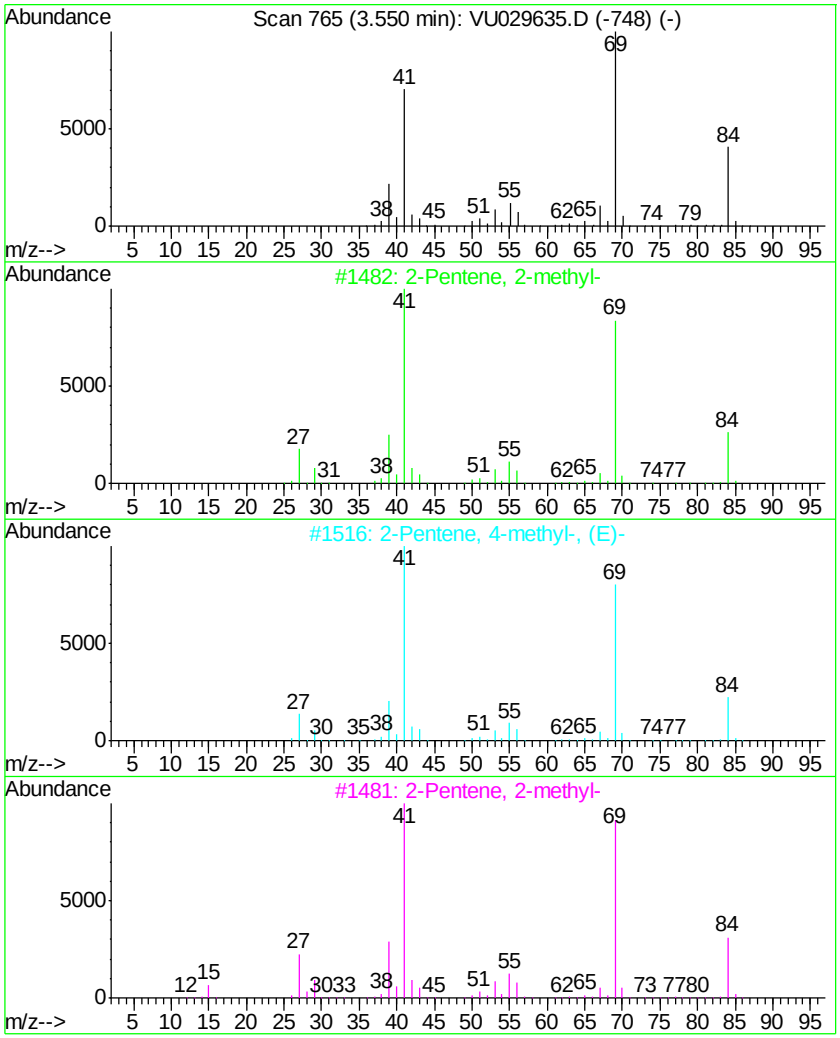
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

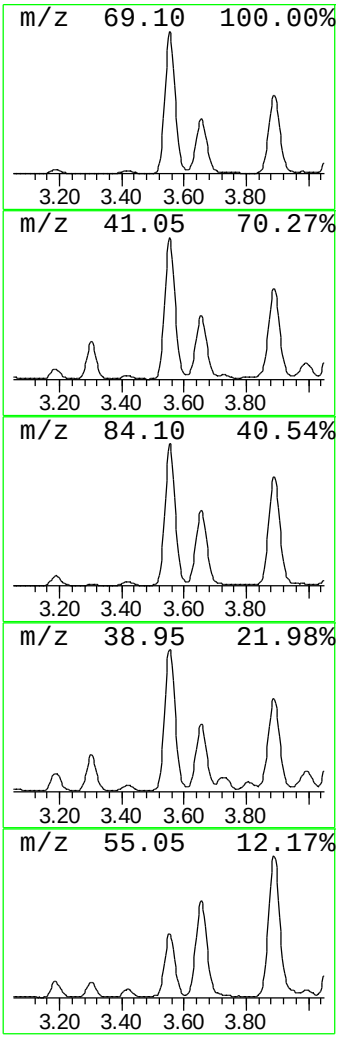
****

Peak Number 11 (DEL) Alkane: Cyclic3.55 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.55	57.48 ug/L	1189050	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91
2	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	91
3	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91
5	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

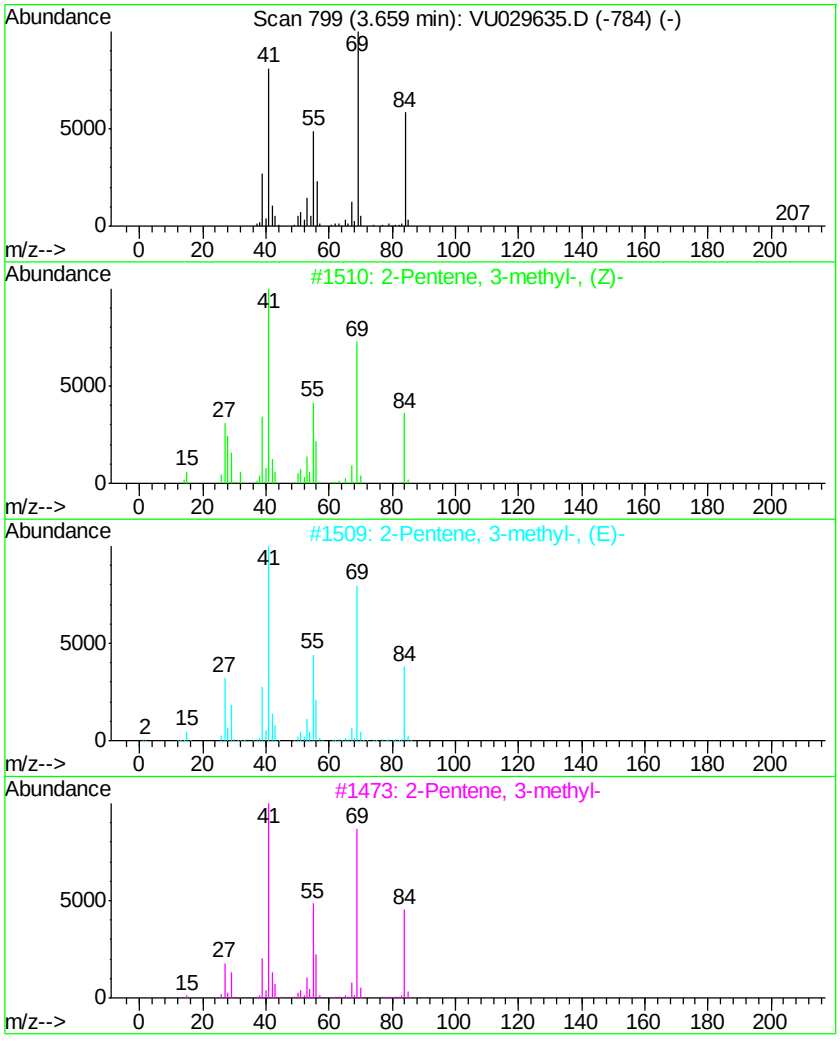
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

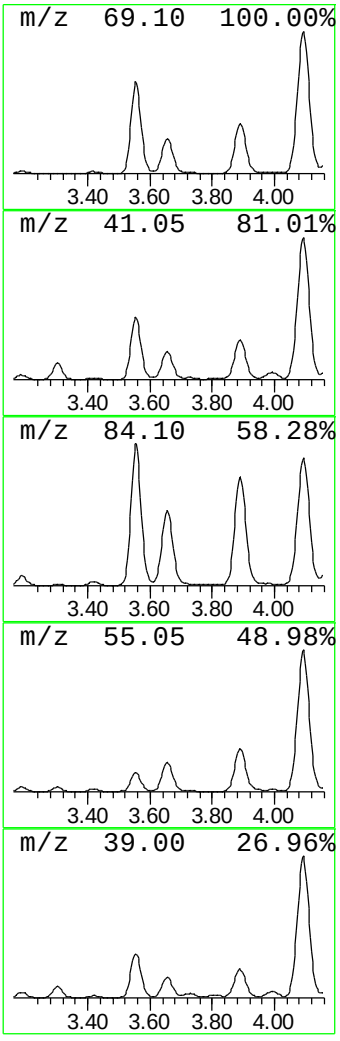
****

Peak Number 12 (DEL) Alkane: Cyclic3.66 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.66	28.71 ug/L	593813	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	95
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
3	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	91
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

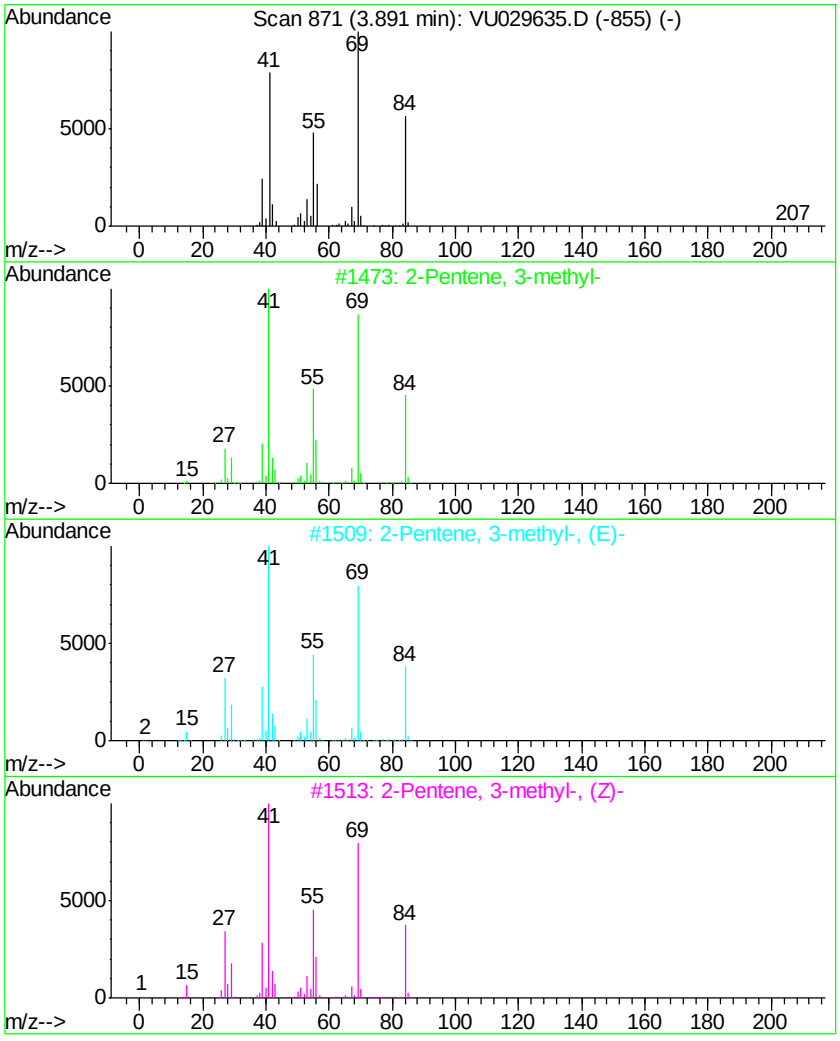
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

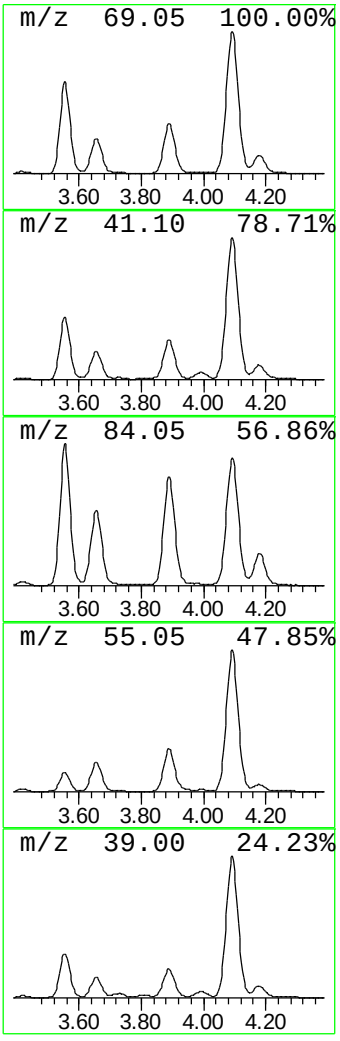
****

Peak Number 13 (DEL) Alkane: Cyclic3.89 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.89	43.62 ug/L	902366	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	94
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

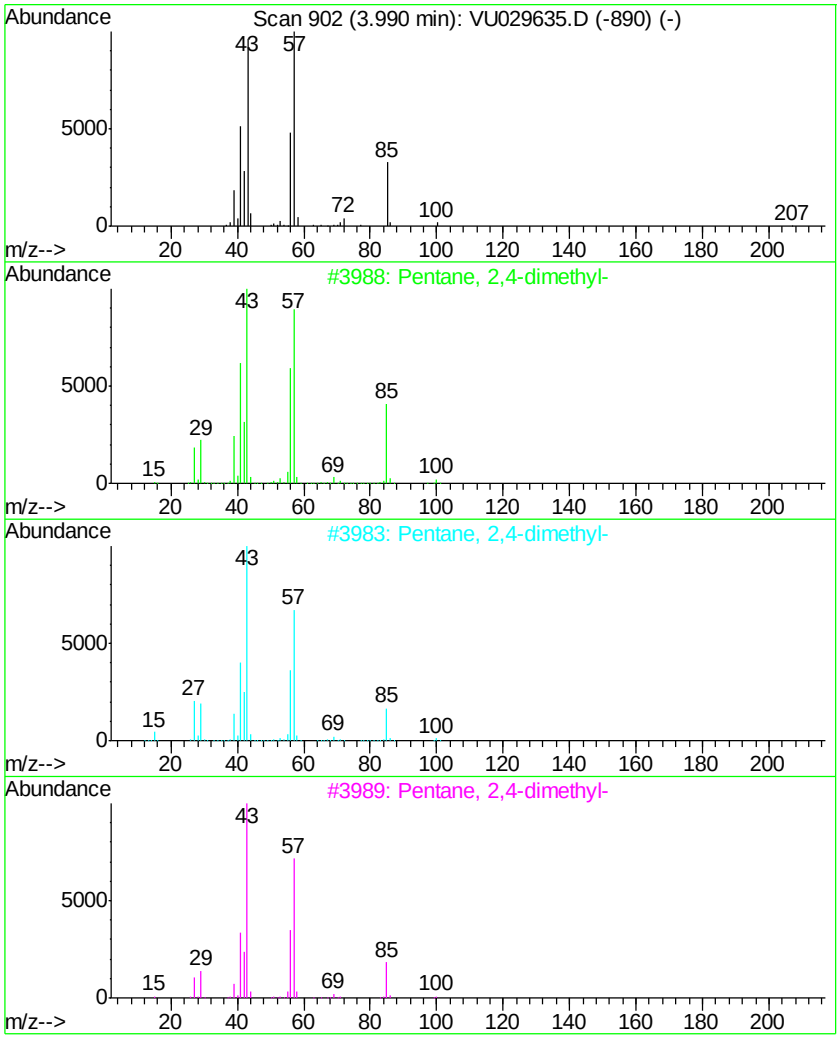
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

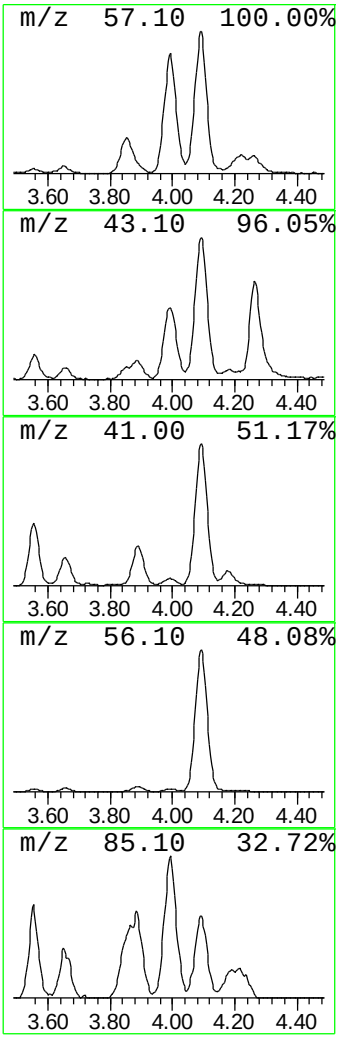
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	9.06 ug/L	187412	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

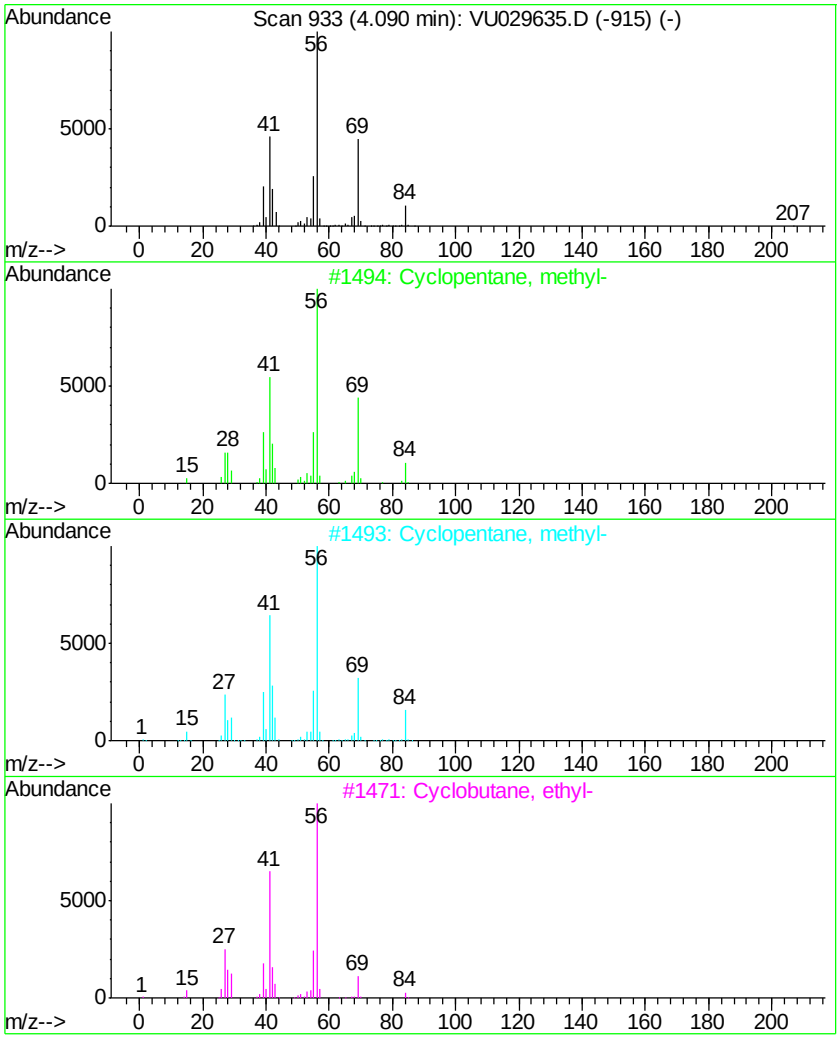
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

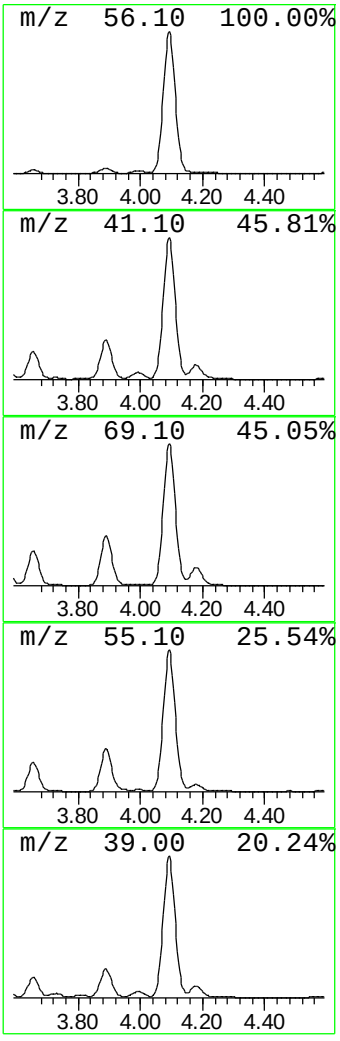
****

Peak Number 15 (DEL) Alkane: Cyclic4.09 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	224.14 ug/L	4636280	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	Cyclobutane, ethyl-	84	C6H12	004806-61-5	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclohexane	84	C6H12	000110-82-7	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

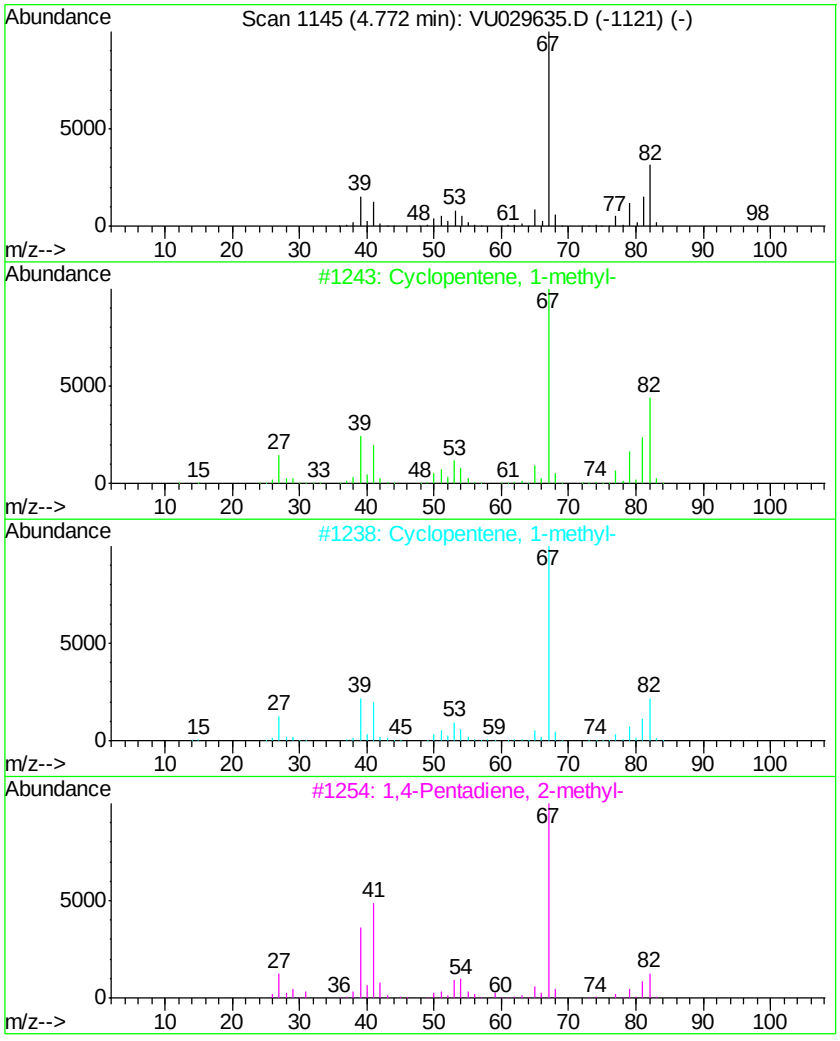
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

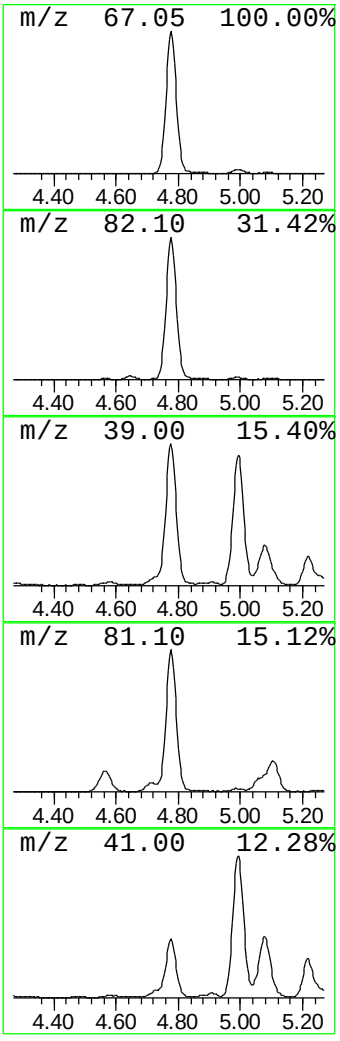
****

Peak Number 16 Cyclopentene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	104.85 ug/L	2168820	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
3	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	90
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

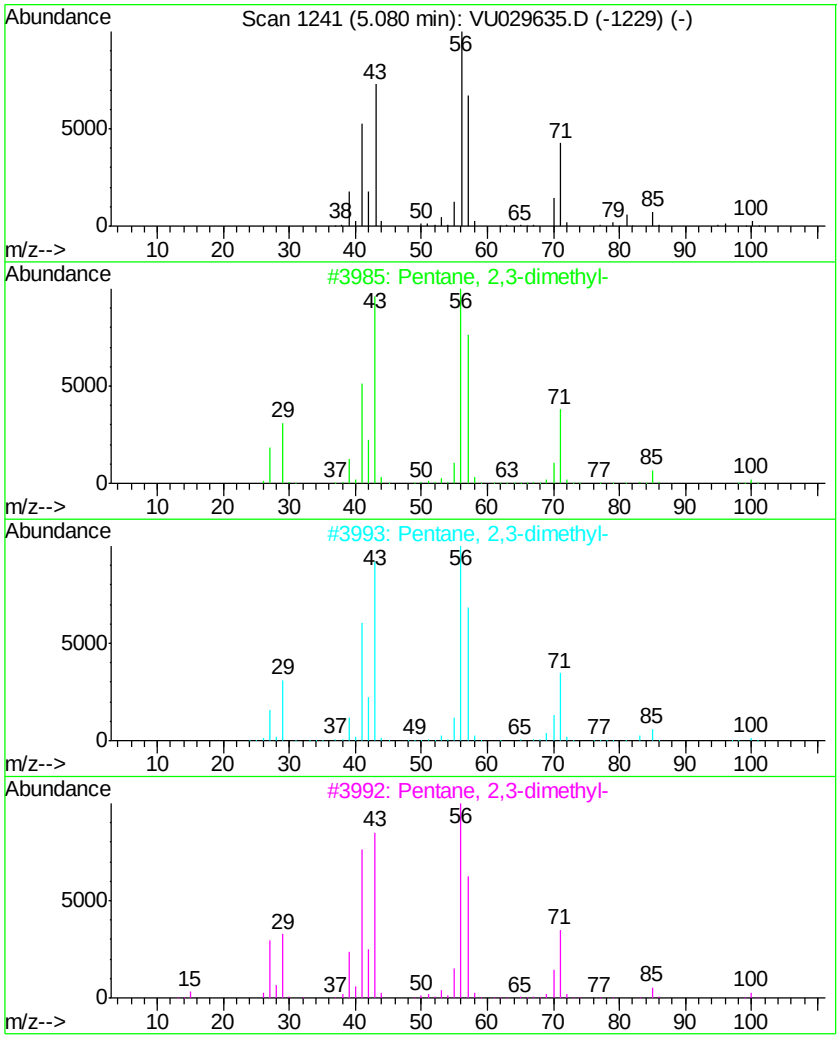
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

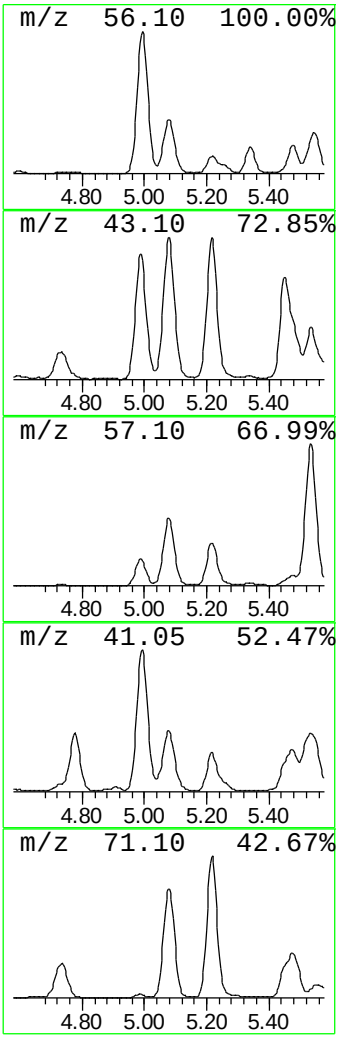
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	46.32 ug/L	958113	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	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	81
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	74
5	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

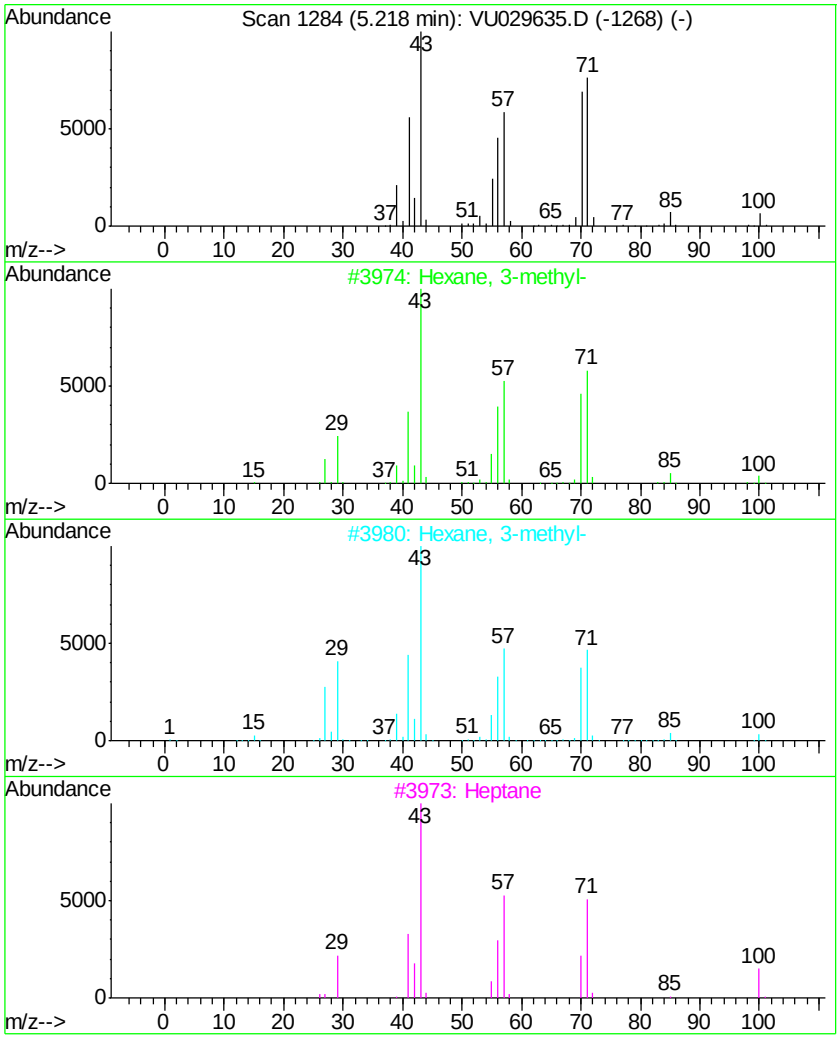
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

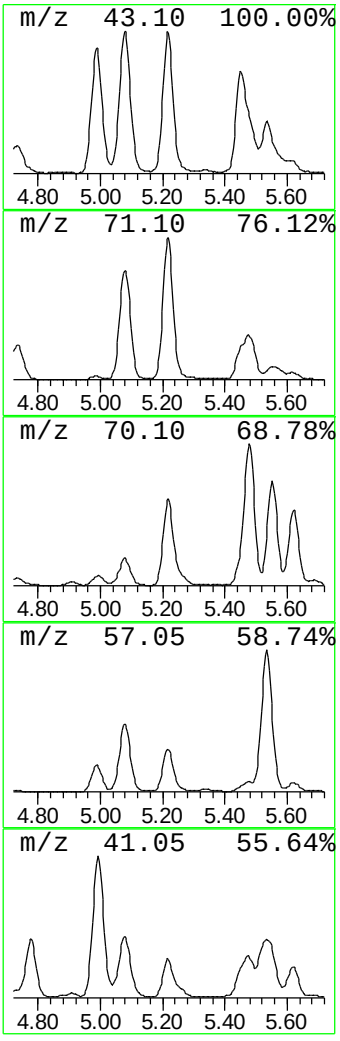
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	34.36 ug/L	710746	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	Heptane	100	C7H16	000142-82-5	80
4	Heptane	100	C7H16	000142-82-5	72
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

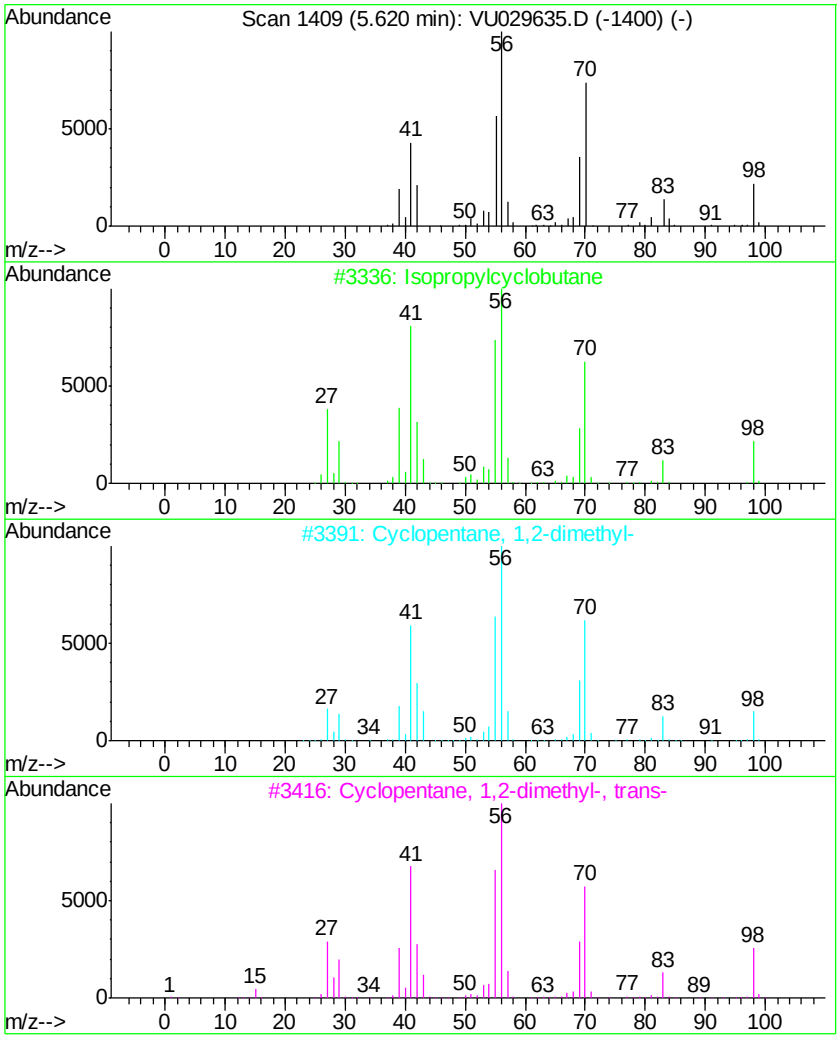
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

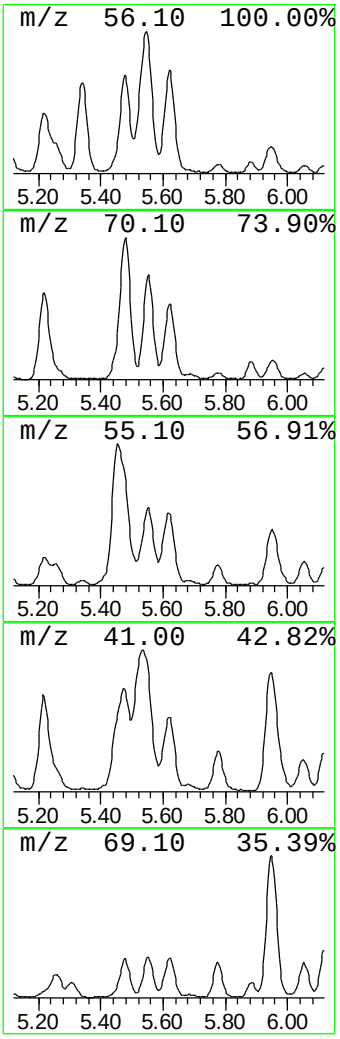
****

Peak Number 19 (DEL) Alkane: Cyclic5.62 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	24.67 ug/L	510219	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

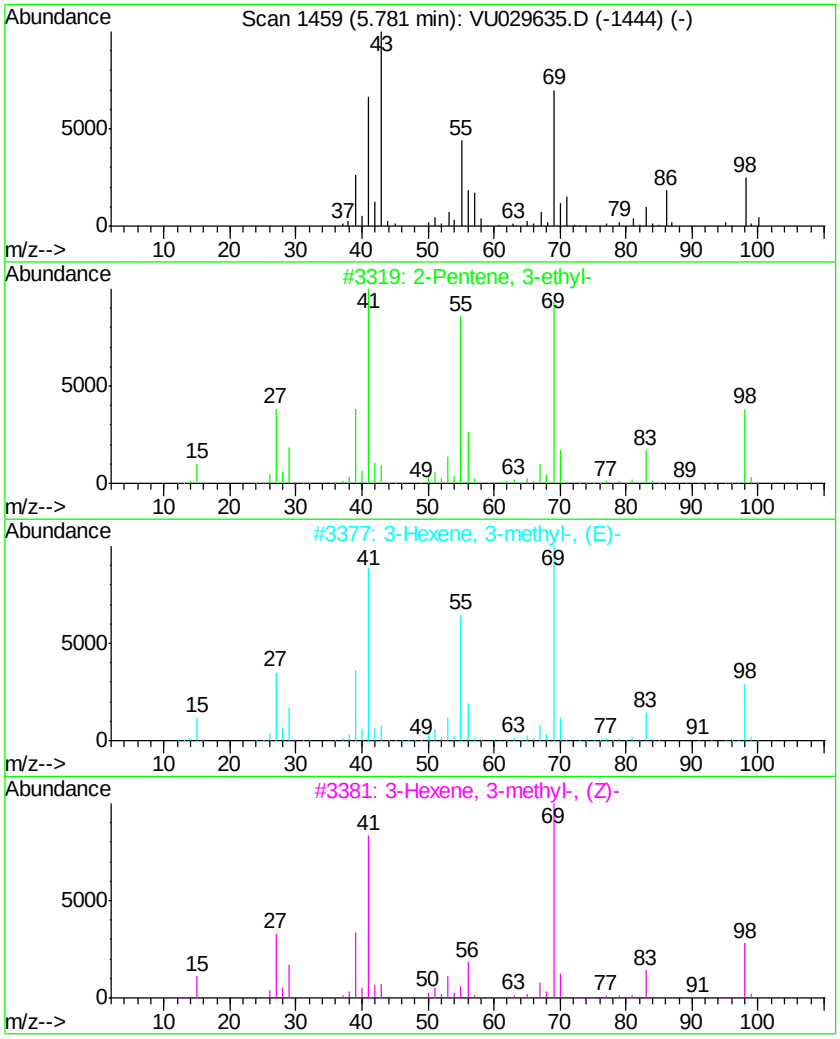
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

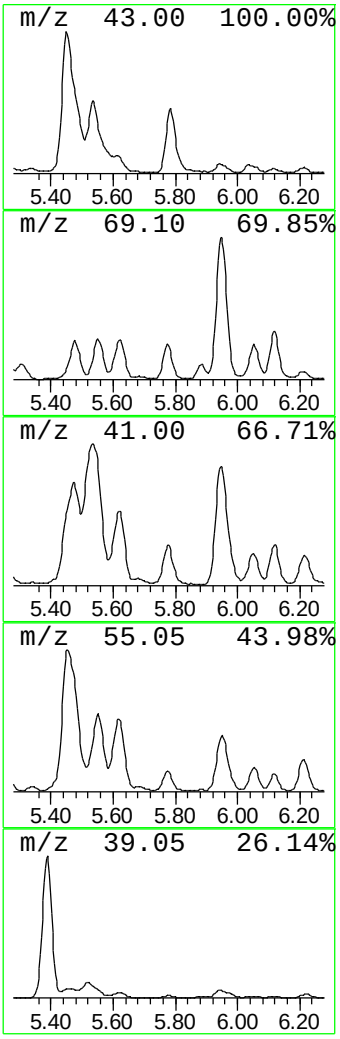
****

Peak Number 20 (DEL) Alkane: Cyclic5.78 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	9.49 ug/L	196219	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	95
2	3-Hexene, 3-methyl-, (E)-	98	C7H14	003899-36-3	93
3	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	81
4	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	81
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

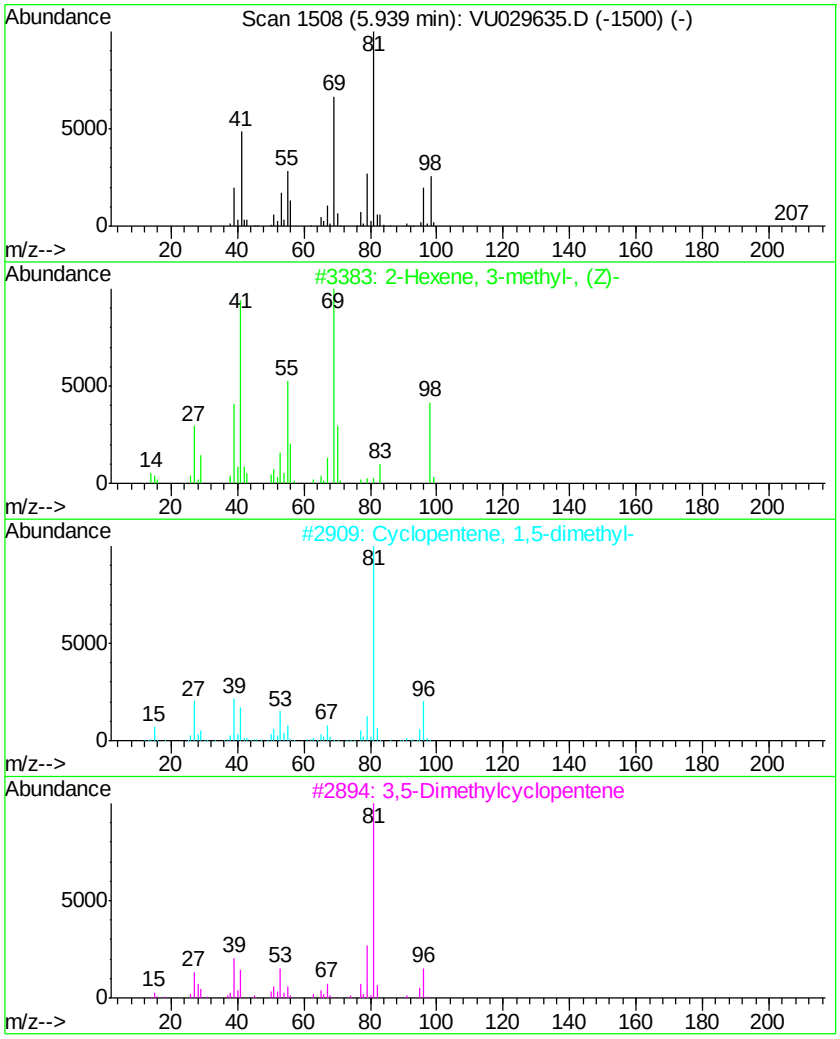
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

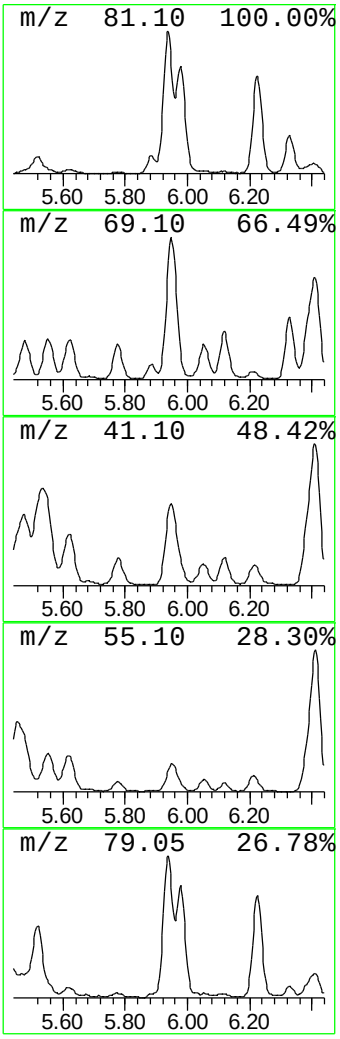
****

Peak Number 21 (DEL) Alkane: Cyclic5.94 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	52.36 ug/L	1082970	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	50
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	50
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	49
4	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	45
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

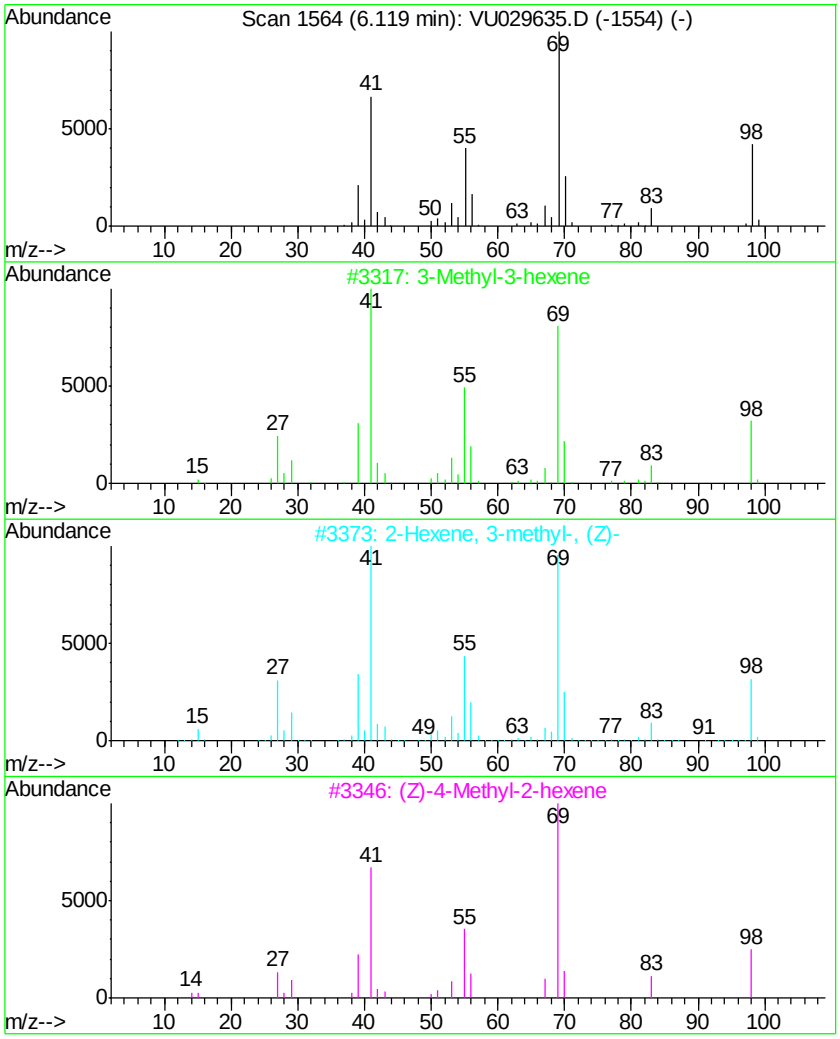
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

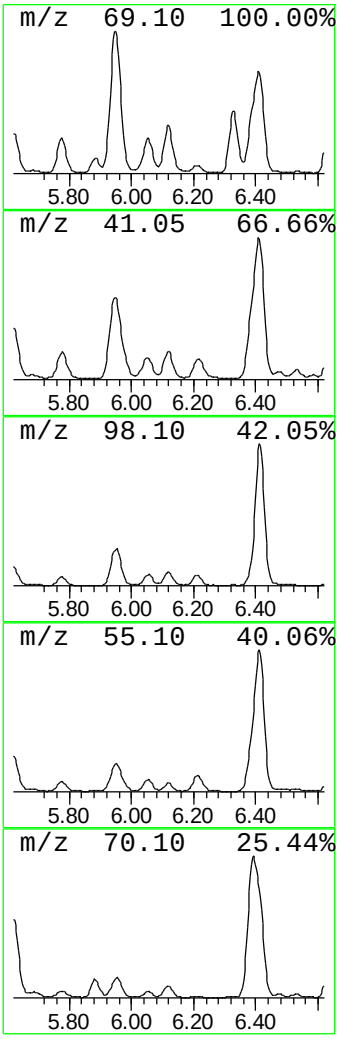
****

Peak Number 22 (DEL) Alkane: Cyclic6.12 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	6.63 ug/L	137122	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-3-hexene	98	C7H14	003404-65-7	94
2	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	91
3	(Z)-4-Methyl-2-hexene	98	C7H14	003683-19-0	83
4	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	72
5	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

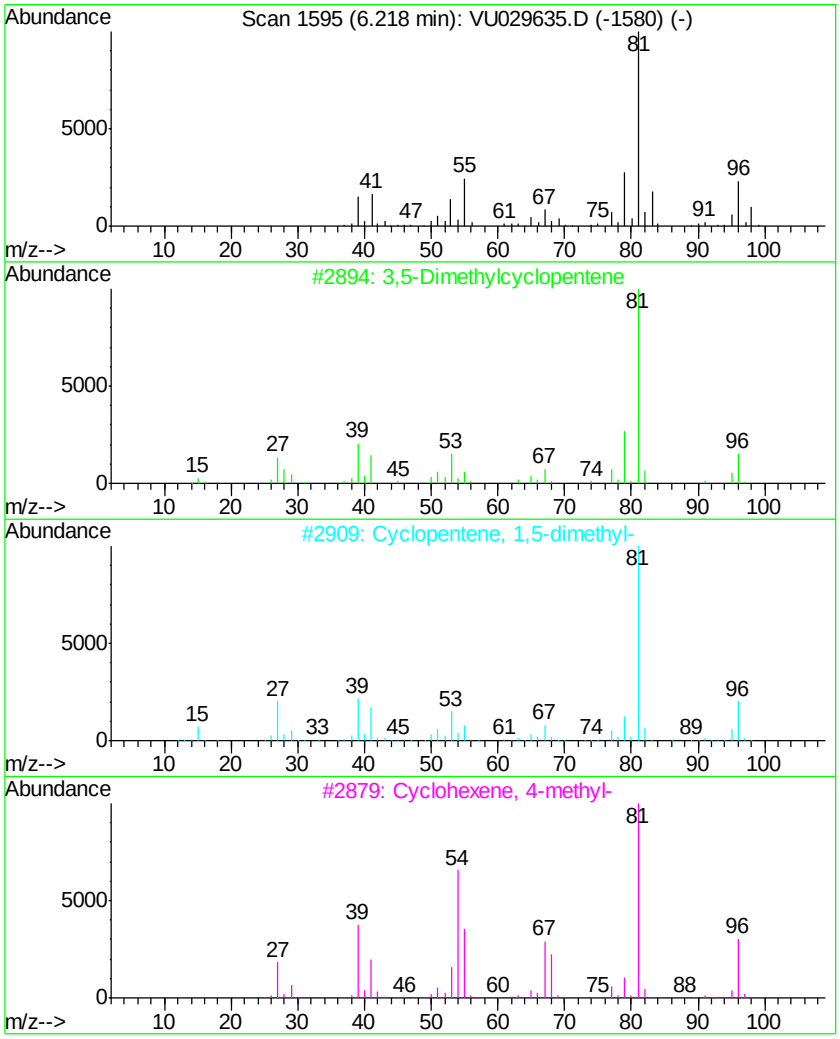
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

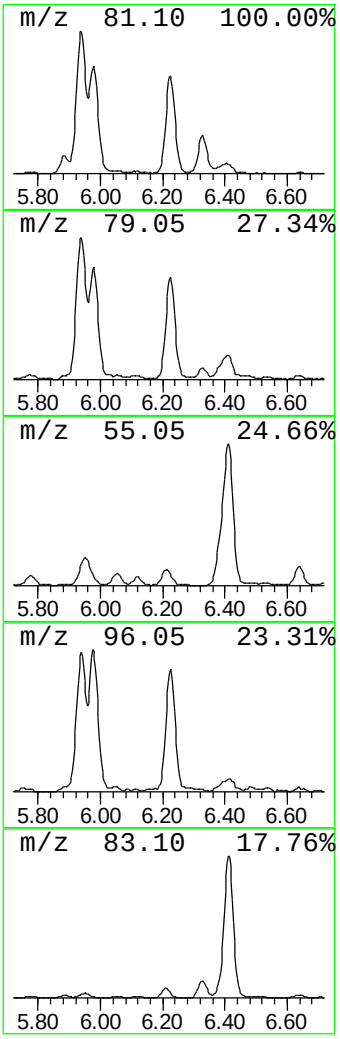
****

Peak Number 23 3,5-Dimethylcyclopentene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	18.68 ug/L	386402	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	83
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	81
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	64
4	2-Hexyne, 4-methyl-	96	C7H12	020198-49-6	64
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

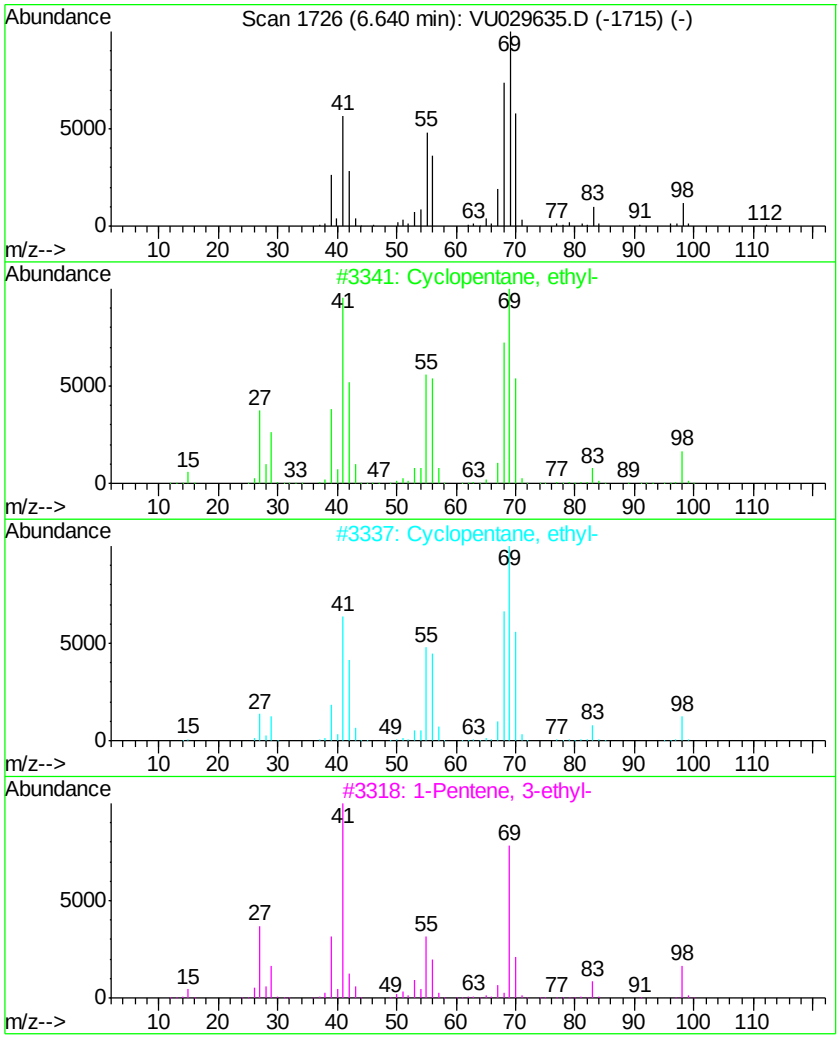
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

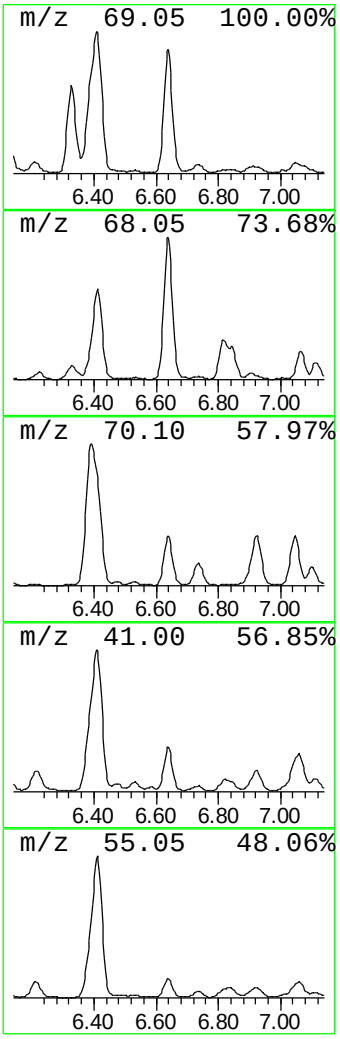
****

Peak Number 24 (DEL) Alkane: Cyclic6.64 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	16.18 ug/L	334717	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, ethyl-	98	C7H14	001640-89-7	91
3	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	46
4	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	43
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

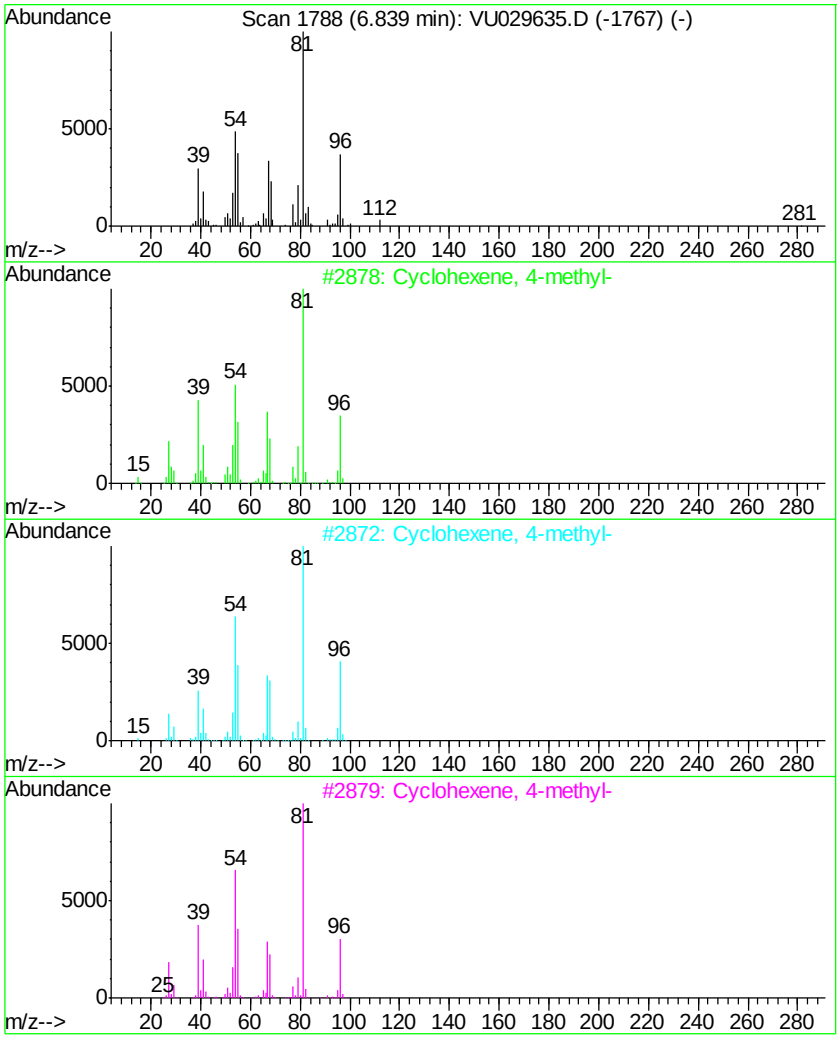
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

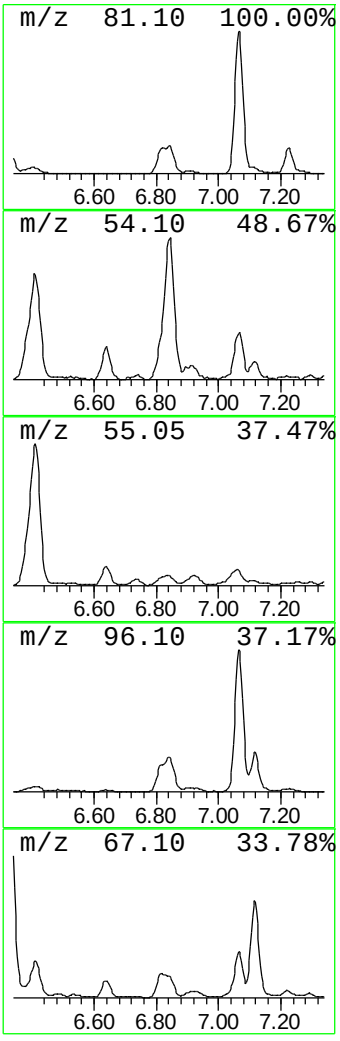
****

Peak Number 25 Cyclohexene, 4-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	18.34 ug/L	379454	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	95
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	70
4	Acetic acid, 1,4-dimethylpent-4-...	156	C9H16O2	1000186-38-5	64
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	64





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

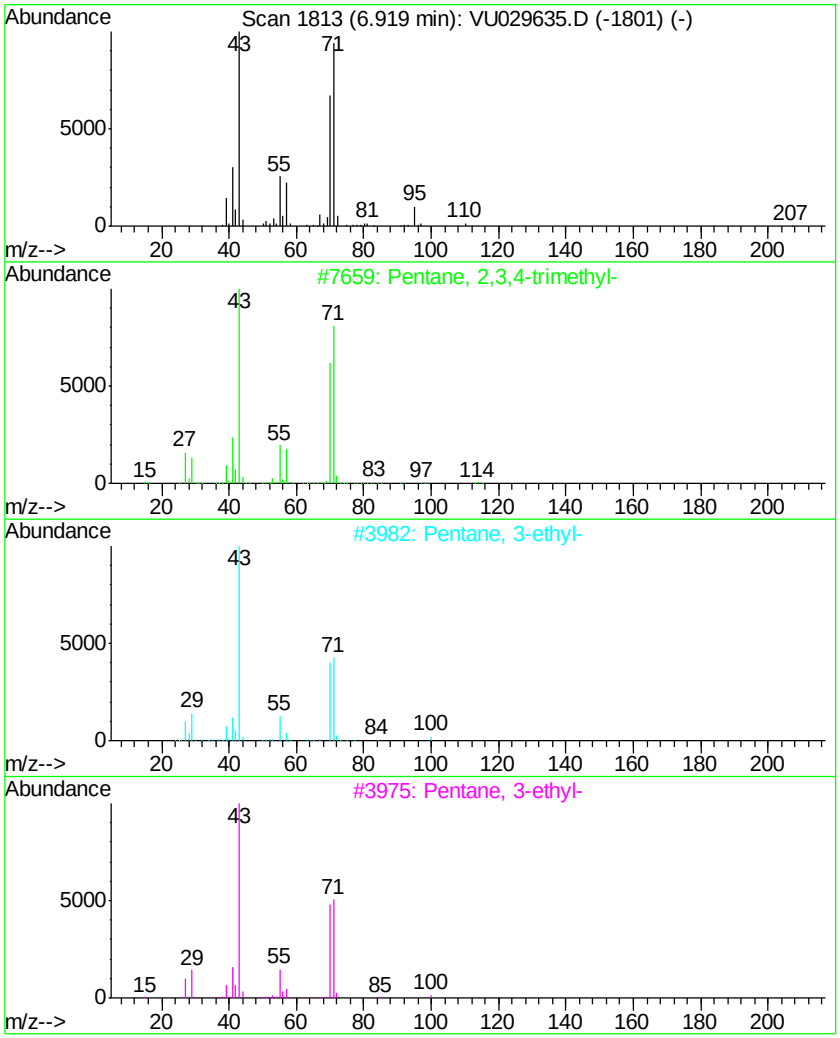
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

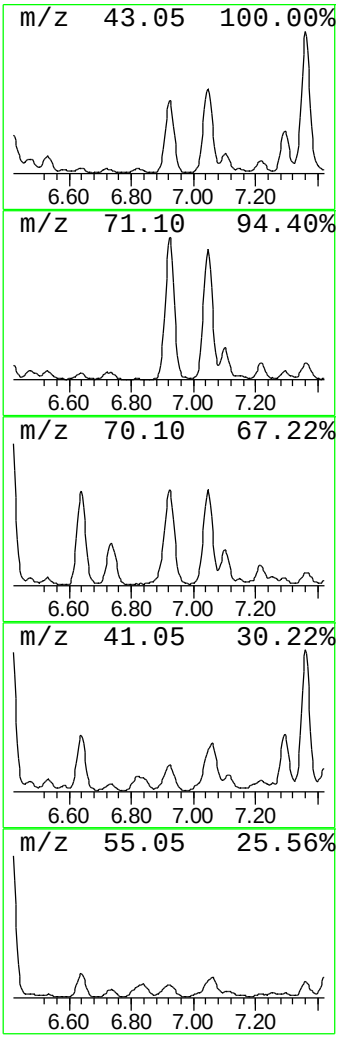
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	14.56 ug/L	301143	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	87
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

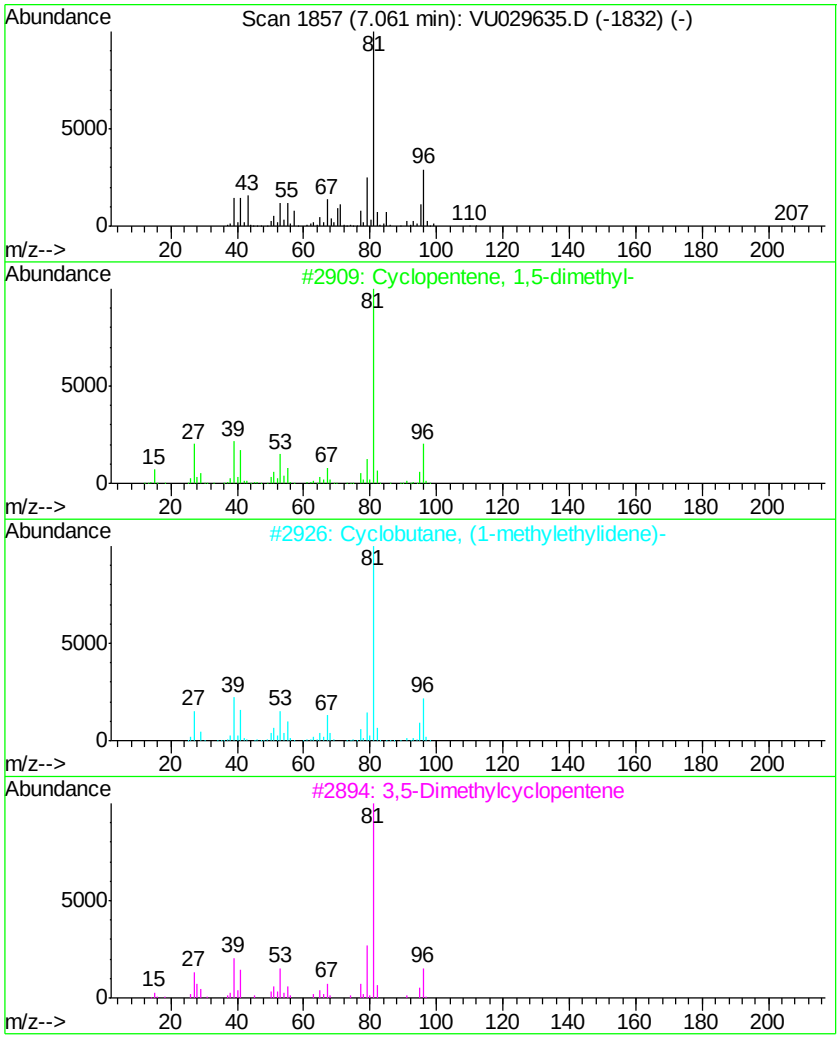
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

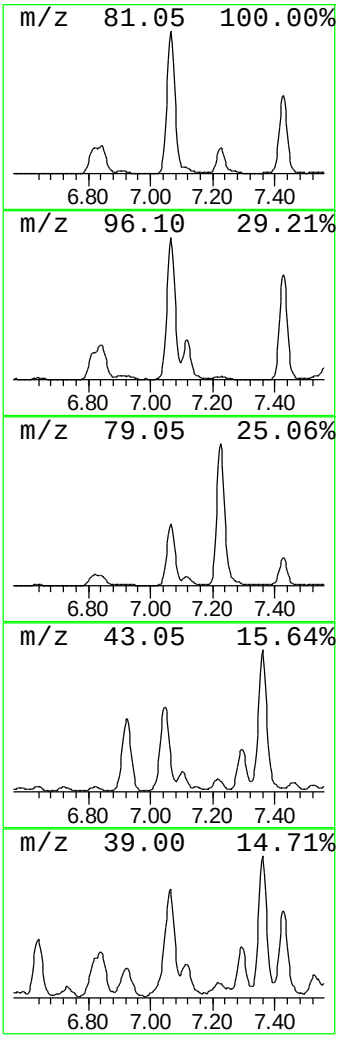
****

Peak Number 27 Cyclopentene, 1,5-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	47.85 ug/L	989813	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	81
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78
5	1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

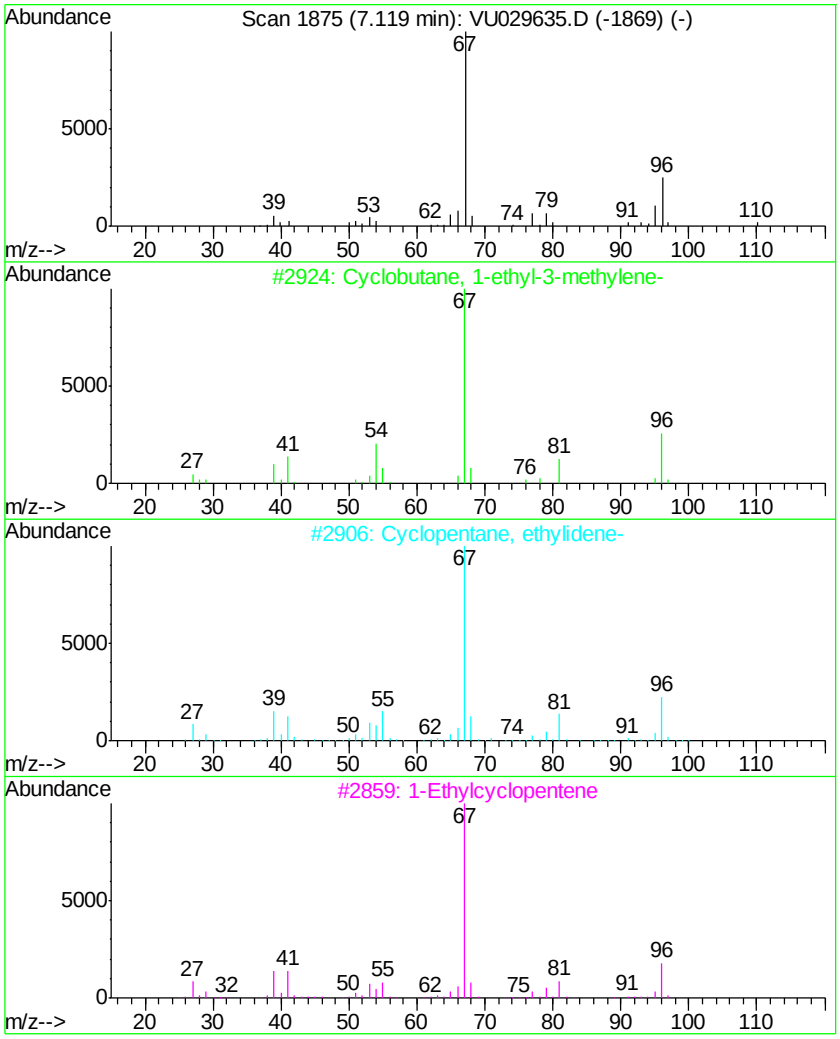
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

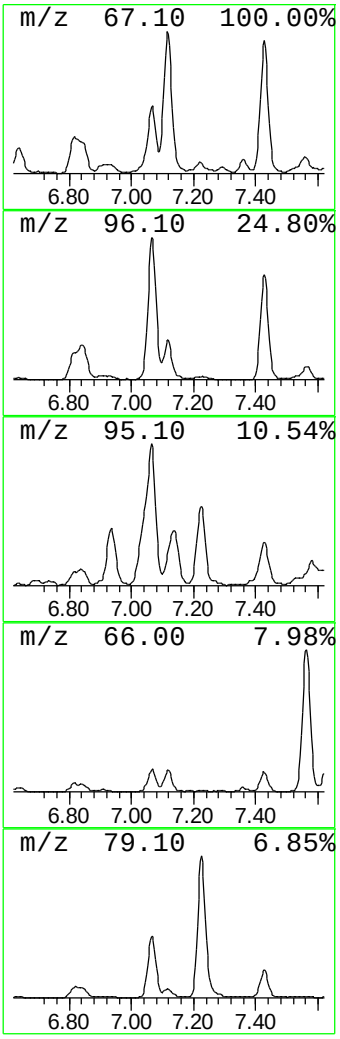
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Cyclobutane, 1-ethyl-3-meth... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	9.24 ug/L	191043	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, 1-ethyl-3-methylene-	96	C7H12	056335-70-7	80
2	Cyclopentane, ethylidene-	96	C7H12	002146-37-4	78
3	1-Ethylcyclopentene	96	C7H12	002146-38-5	78
4	Cyclopentane, ethylidene-	96	C7H12	002146-37-4	78
5	1-Ethylcyclopentene	96	C7H12	002146-38-5	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

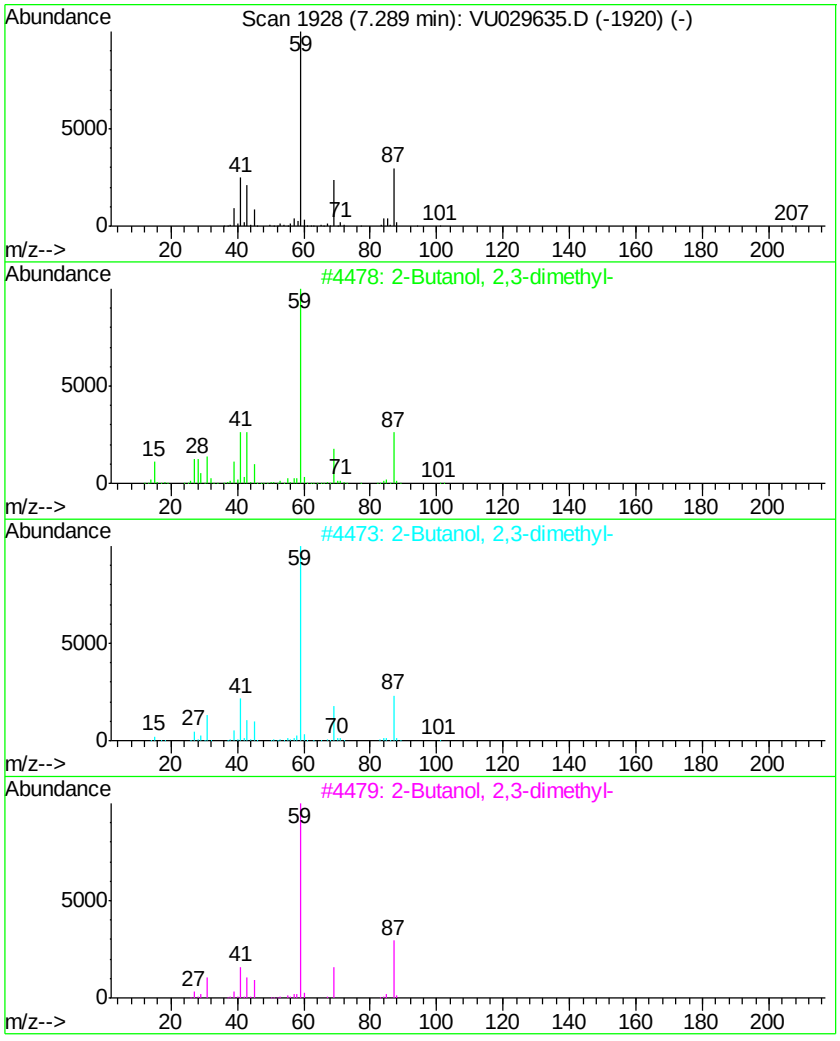
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

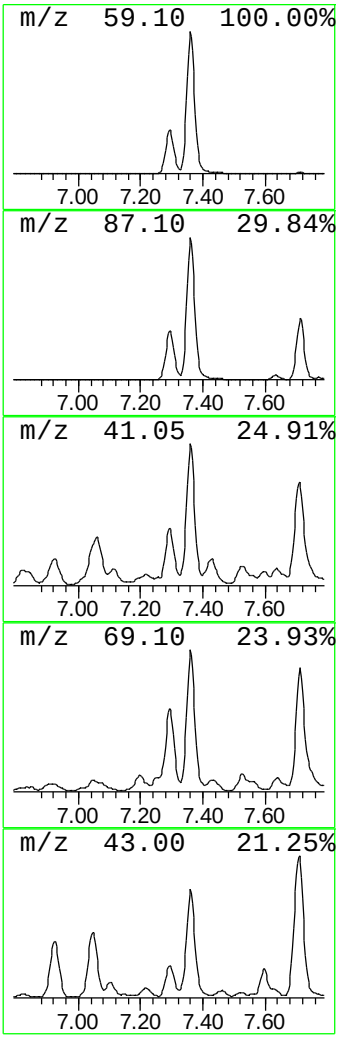
****

Peak Number 30 2-Butanol, 2,3-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	17.80 ug/L	368222	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	83
2	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	78
3	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	64
4	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	40
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	39





Library Search Compound Report

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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

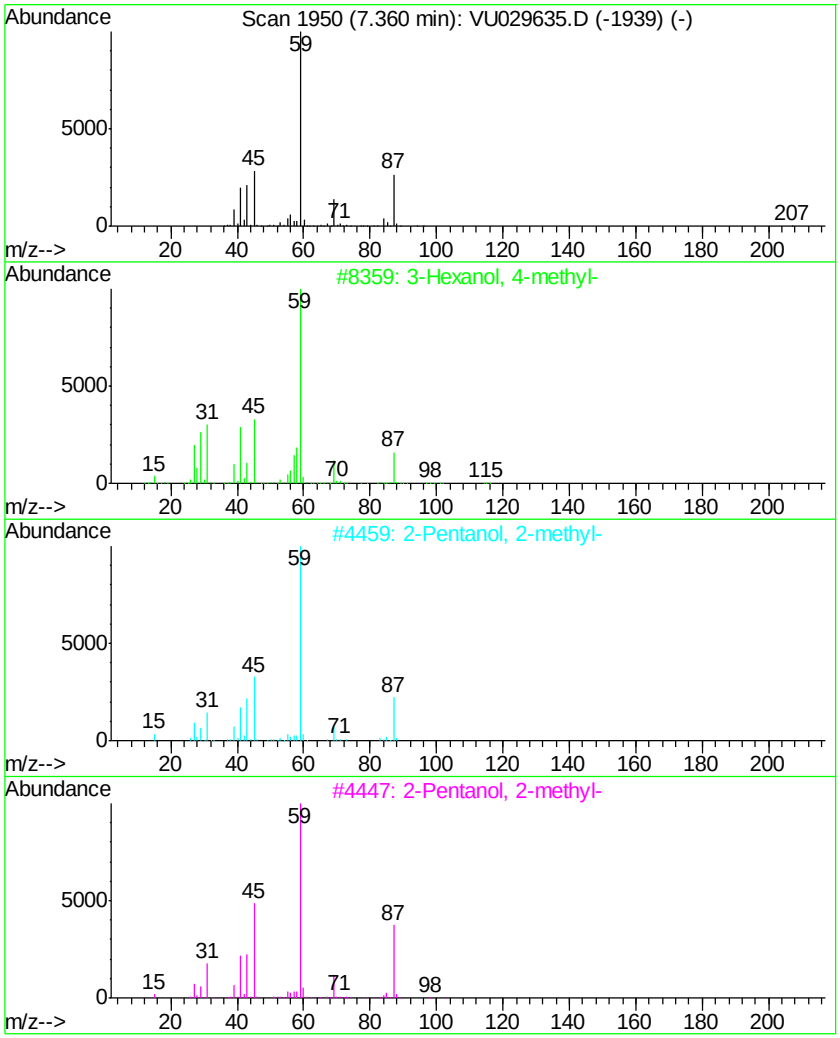
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

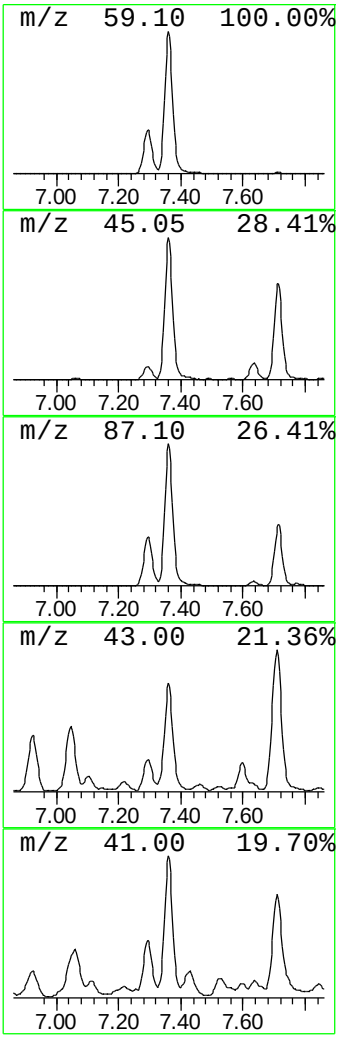
****

Peak Number 31 3-Hexanol, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	55.50 ug/L	1148050	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	78
2	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	78
3	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	74
4	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	64
5	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	64





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

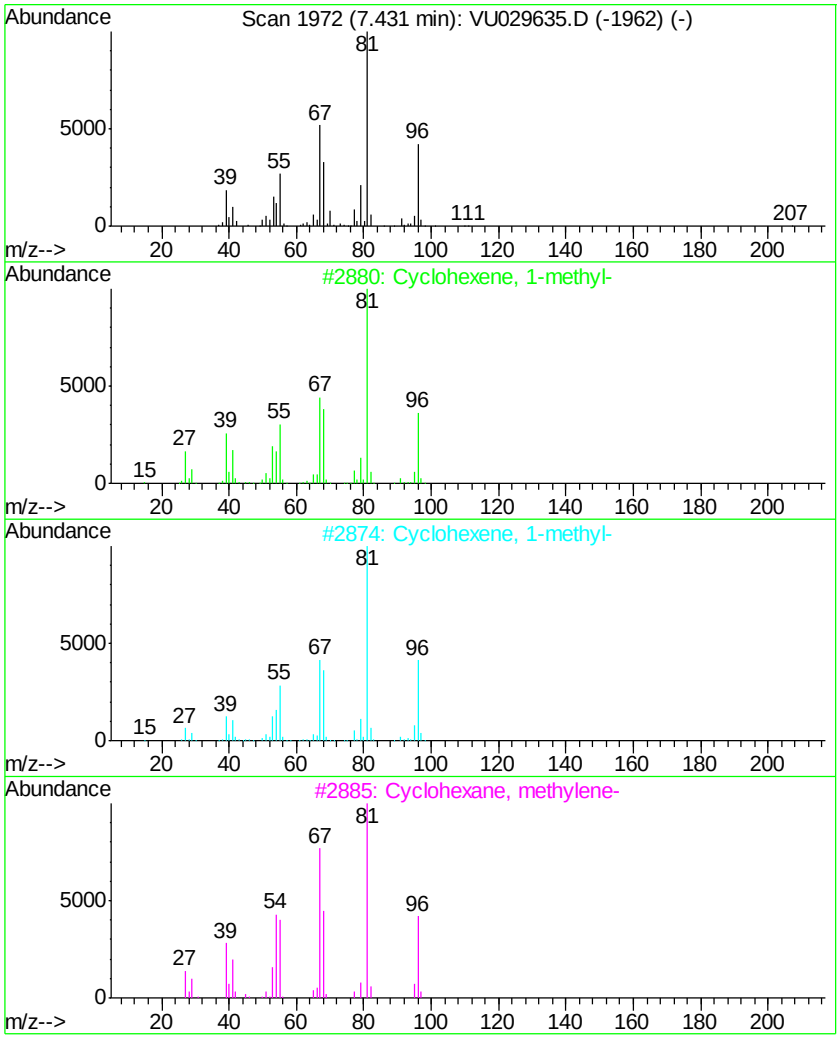
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

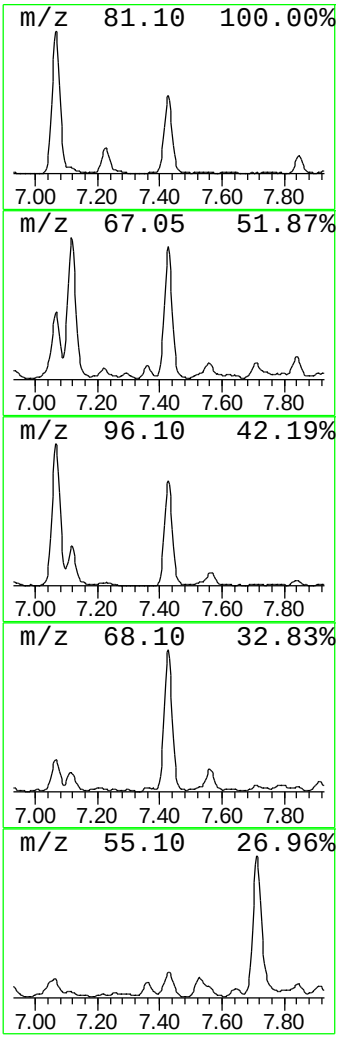
****

Peak Number 32 Cyclohexene, 1-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	26.57 ug/L	549496	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	94
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	87
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	83
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

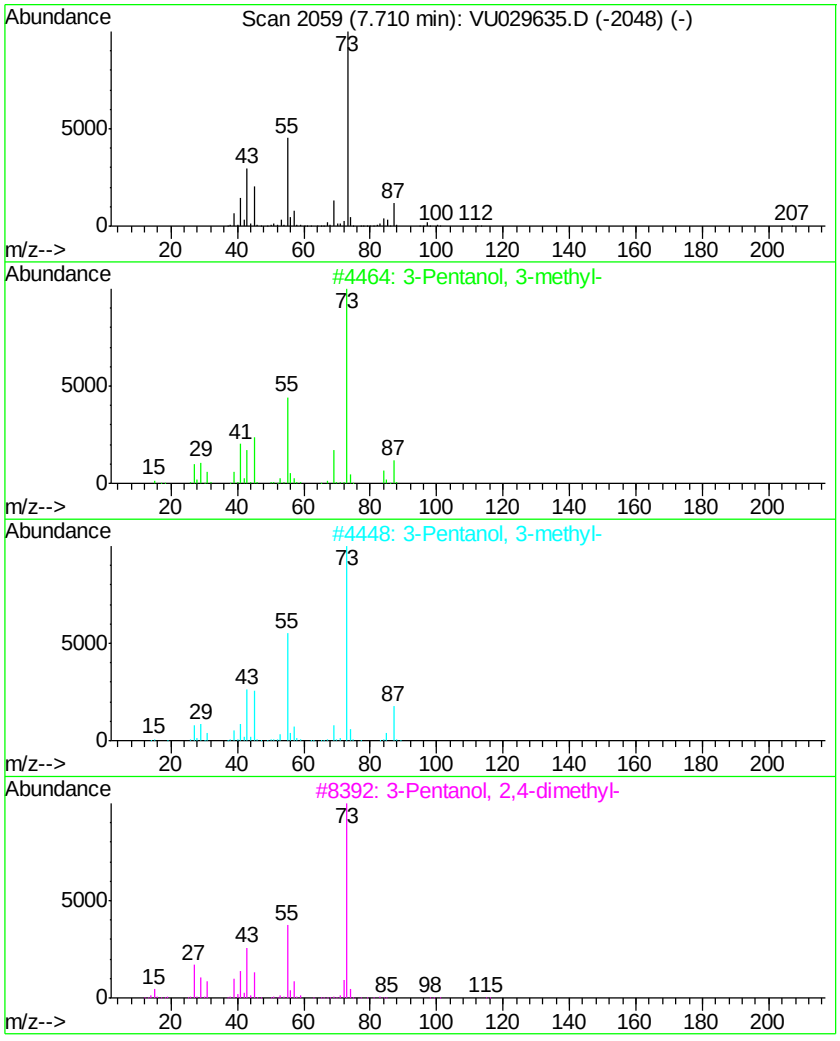
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

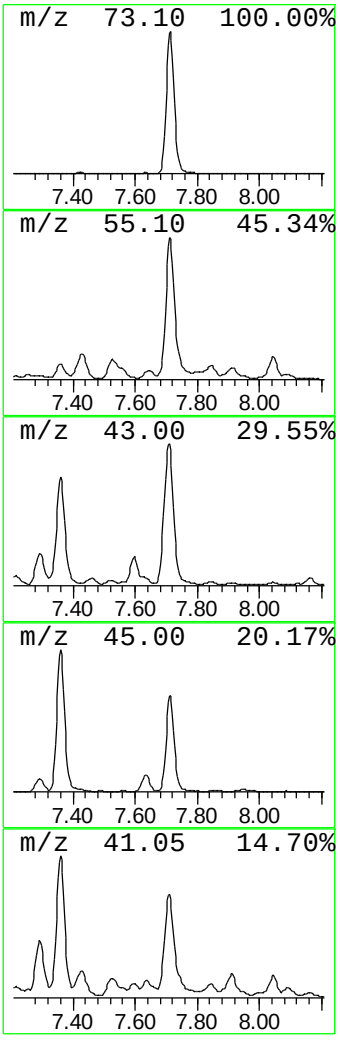
****

Peak Number 33 3-Pentanol, 3-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	43.88 ug/L	1480020	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	83
2	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	64
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	38
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	38
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	37





Library Search Compound Report

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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

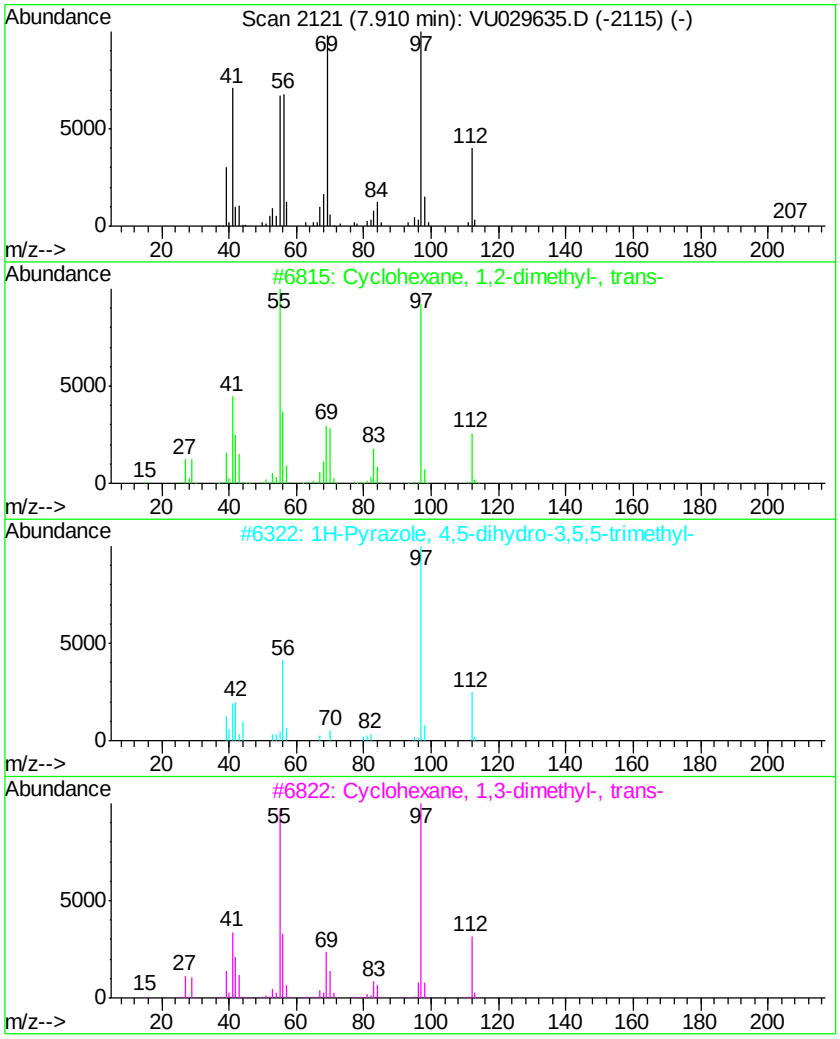
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

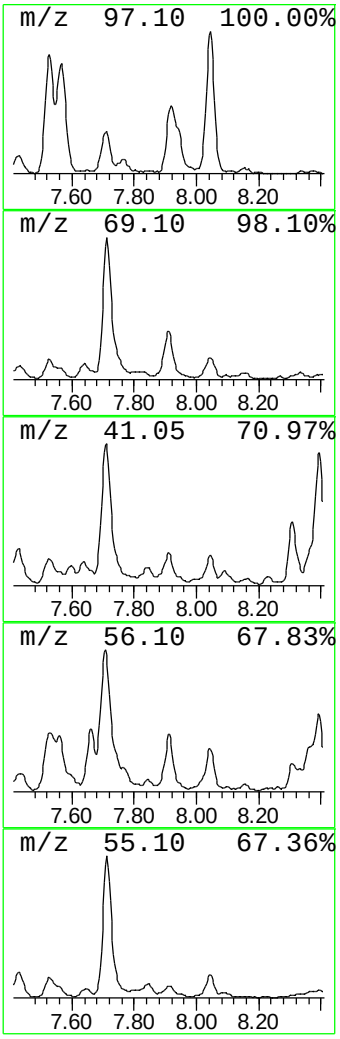
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Cyclic7.91 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	4.42 ug/L	149005	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	52
2	1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	49
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	46
4	3-Hexene, 2,5-dimethyl-	112	C8H16	015910-22-2	46
5	2-Pyrazoline, 1,4,5-trimethyl-	112	C6H12N2	007423-11-2	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

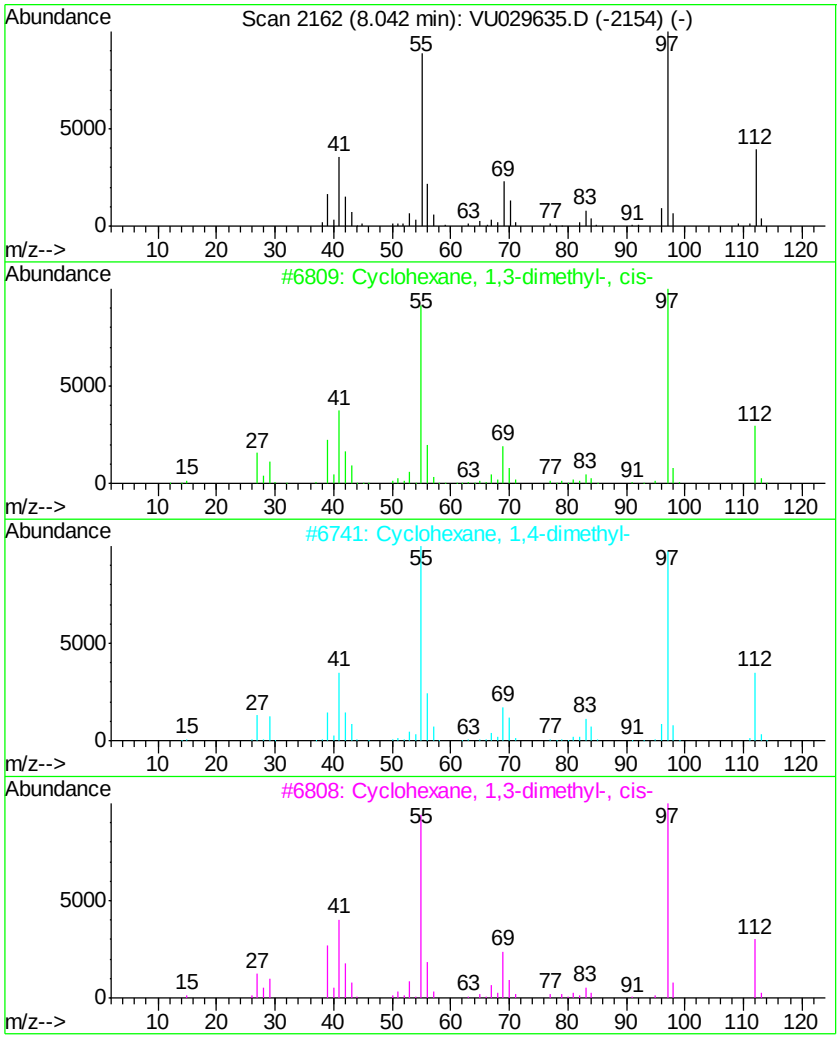
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

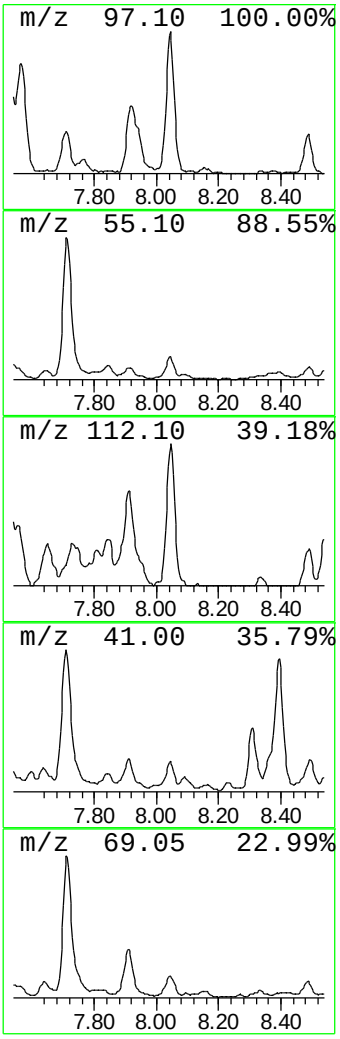
****

Peak Number 35 (DEL) Alkane: Cyclic8.04 Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	4.12 ug/L	138952	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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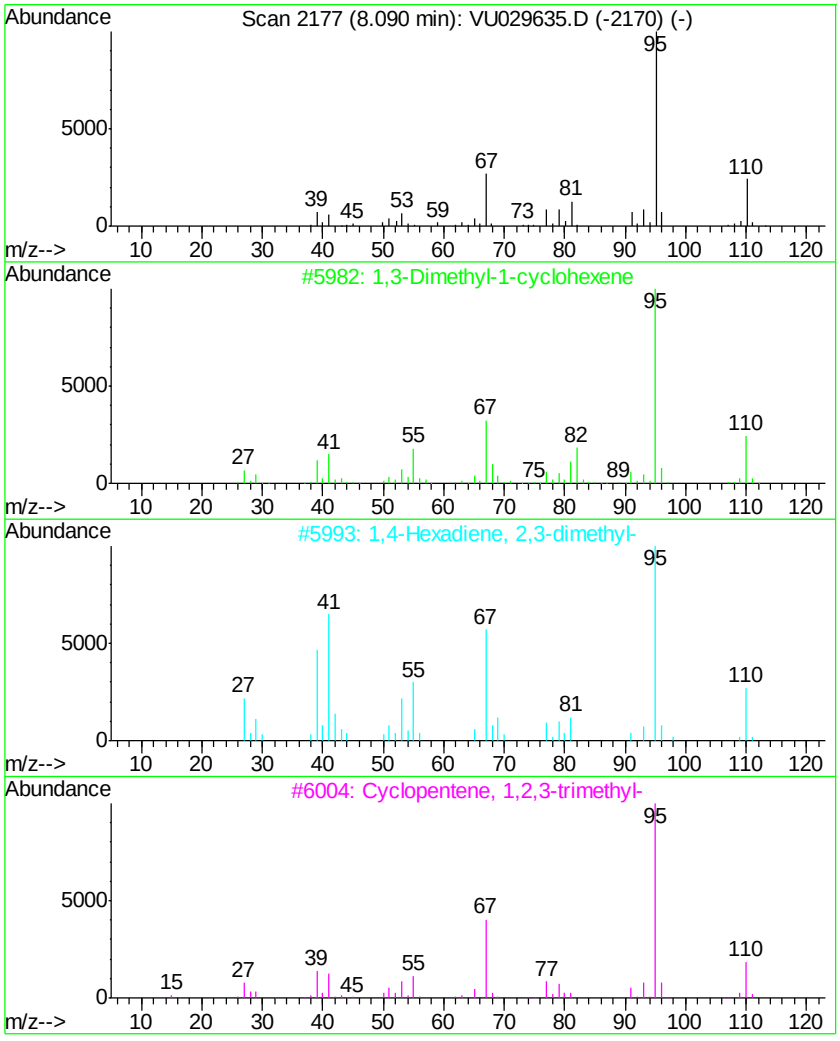
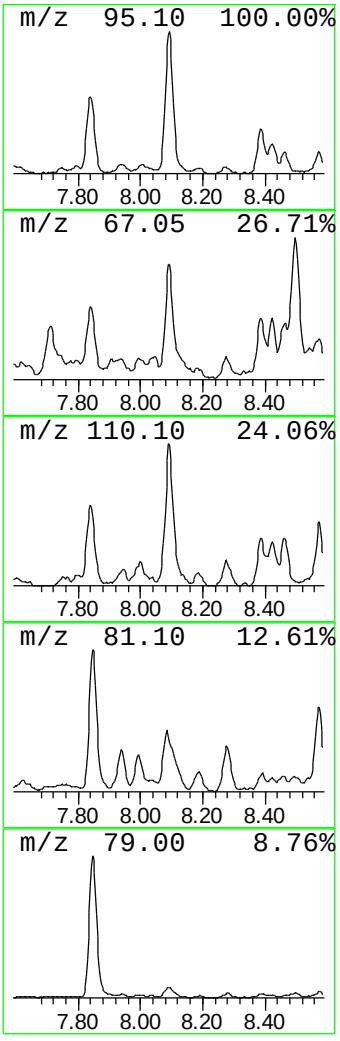
Peak Number 36 1,3-Dimethyl-1-cyclohexene Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	4.70 ug/L	158542	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	91
2	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	91
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	90
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	81
5	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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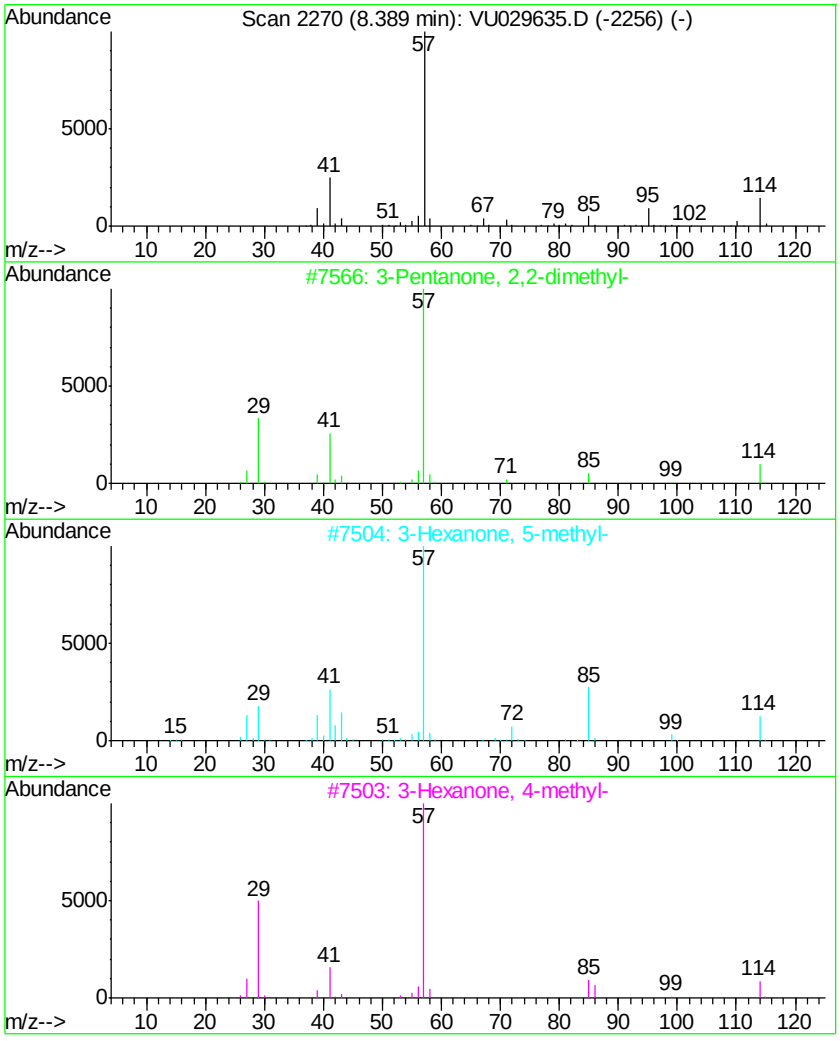
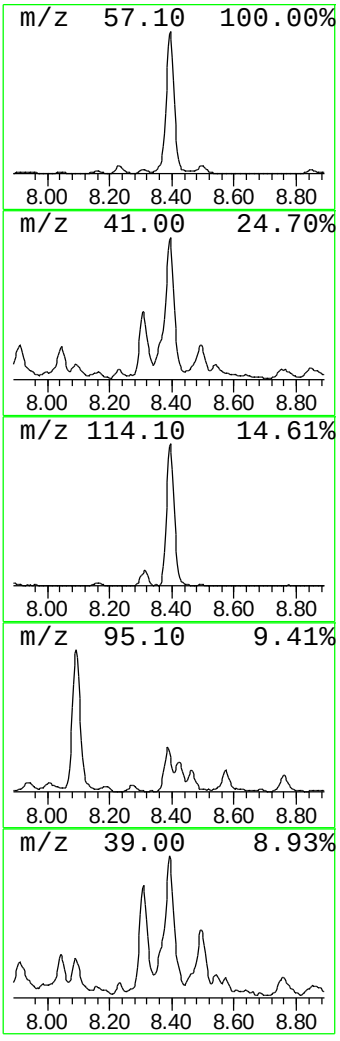
Peak Number 37 3-Pentanone, 2,2-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	19.89 ug/L	670817	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,2-dimethyl-	114	C7H14O	000564-04-5	72
2	3-Hexanone, 5-methyl-	114	C7H14O	000623-56-3	50
3	3-Hexanone, 4-methyl-	114	C7H14O	017042-16-9	50
4	3,4-Hexanedione	114	C6H10O2	004437-51-8	46
5	3-Heptanone	114	C7H14O	000106-35-4	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

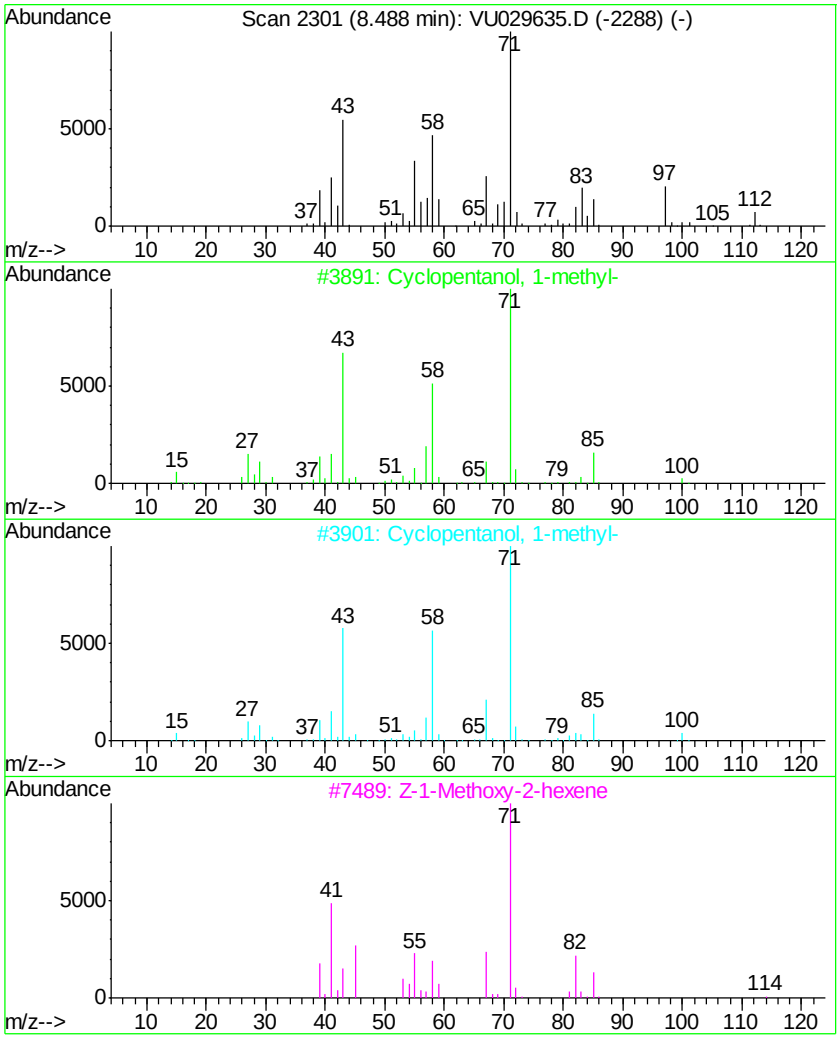
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

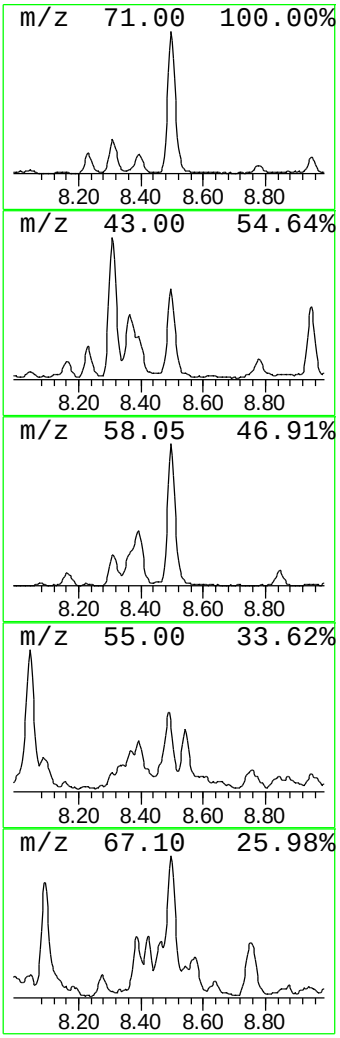
****

Peak Number 38 Cyclopentanol, 1-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	7.90 ug/L	266355	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	64
2	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	64
3	Z-1-Methoxy-2-hexene	114	C7H14O	1000279-60-9	50
4	Oxirane, butyl-	100	C6H12O	001436-34-6	45
5	Succinic acid, isohexyl tetrahyd...	286	C15H26O5	1000329-86-4	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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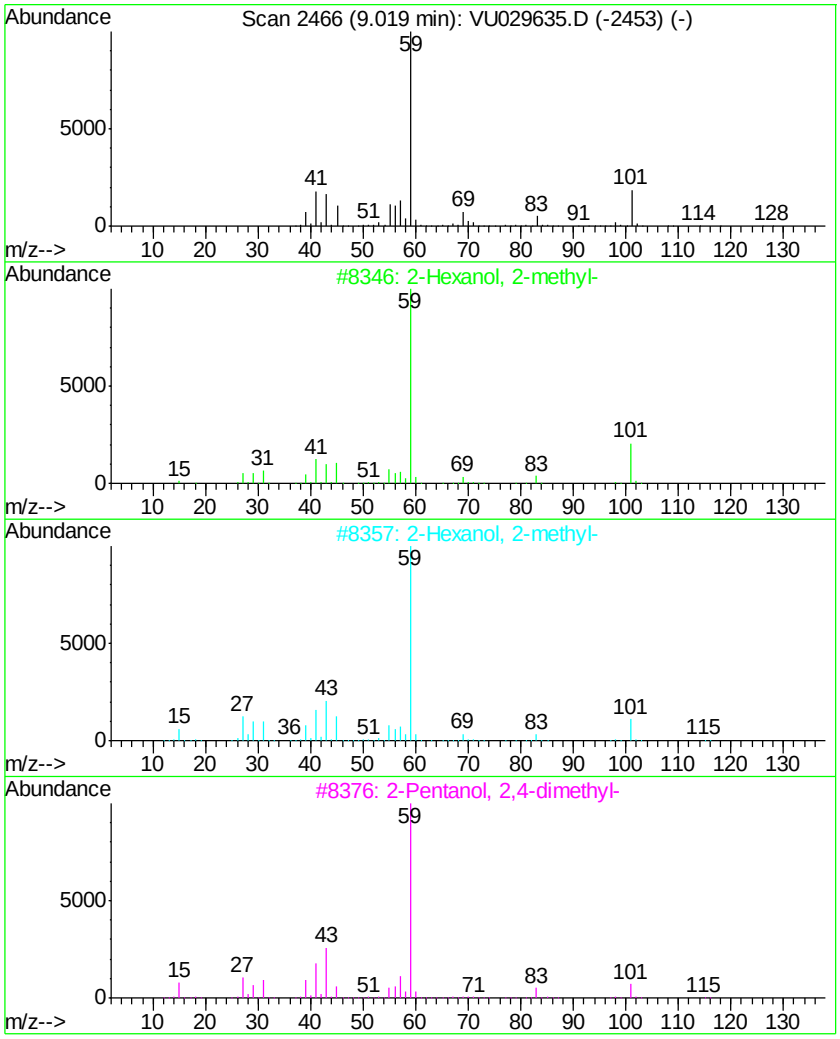
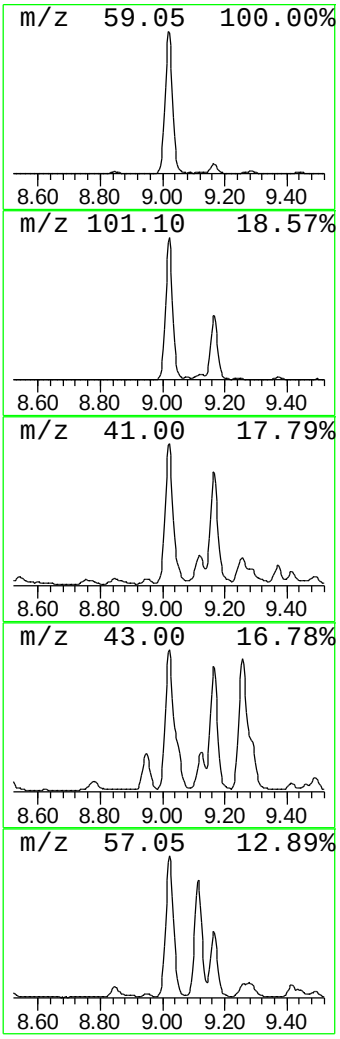
Peak Number 39 2-Hexanol, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	41.58 ug/L	1402300	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	78
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	74
3	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	72
4	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	64
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

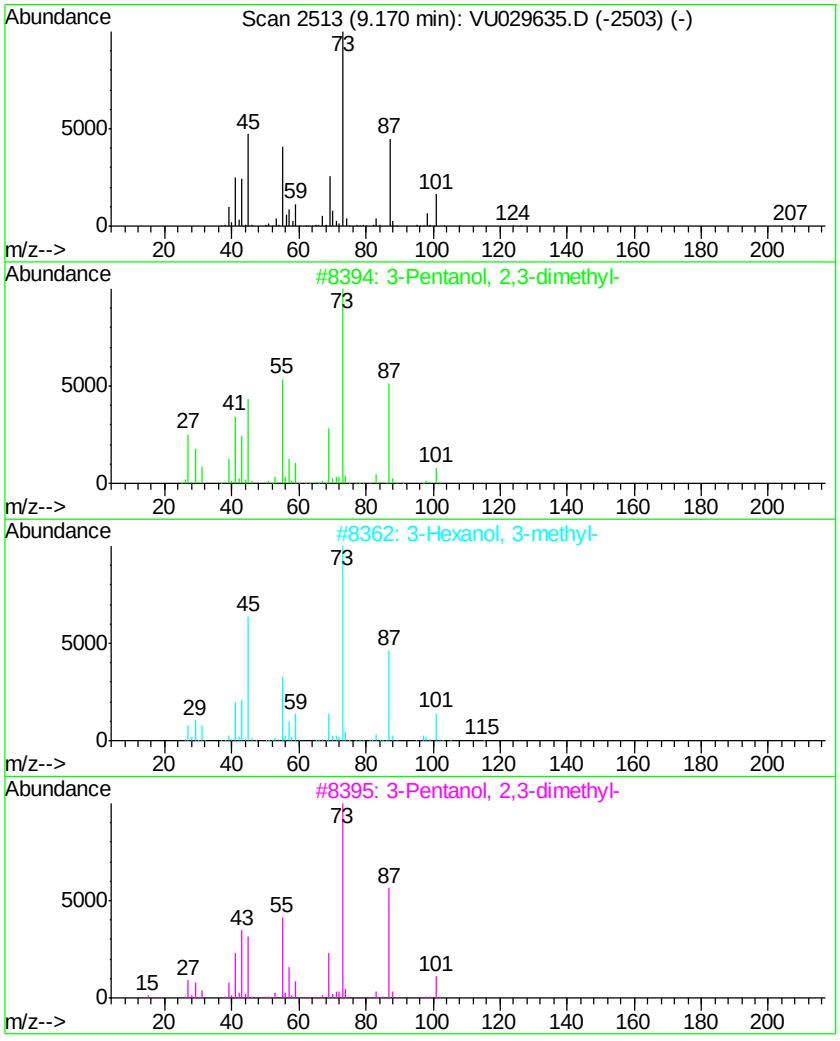
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

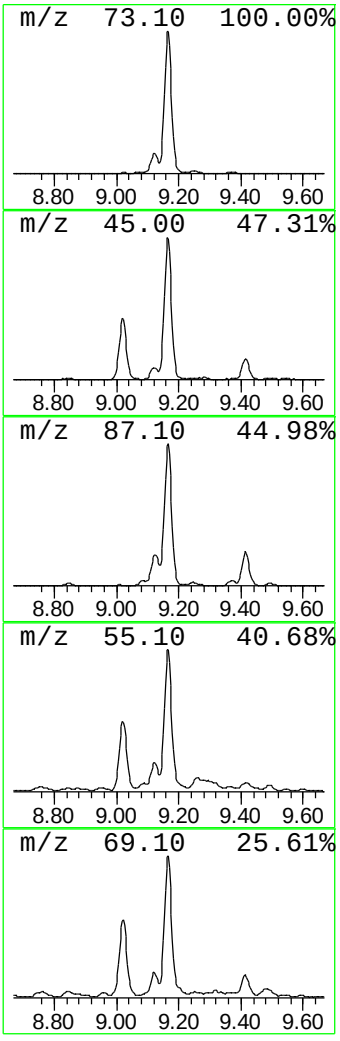
****

Peak Number 40 3-Pentanol, 2,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	39.86 ug/L	1344450	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	86
2	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	78
3	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	59
4	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	56
5	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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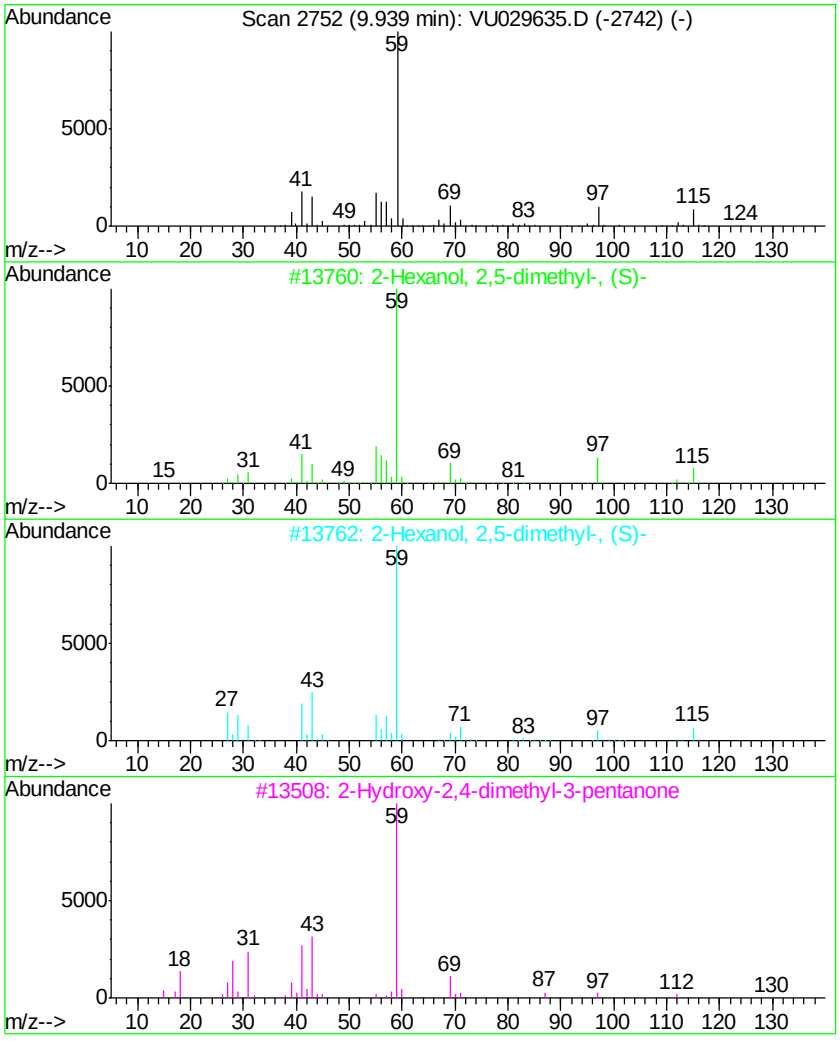
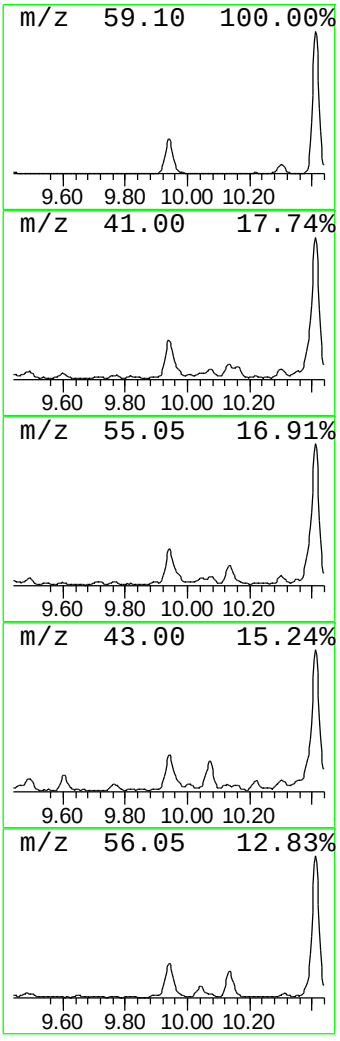
Peak Number 41 2-Hexanol, 2,5-dimethyl-, (S)- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	14.45 ug/L	487533	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	90
2	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	56
3	2-Hydroxy-2,4-dimethyl-3-pentanone	130	C7H14O2	003212-67-7	45
4	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	45
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	39





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

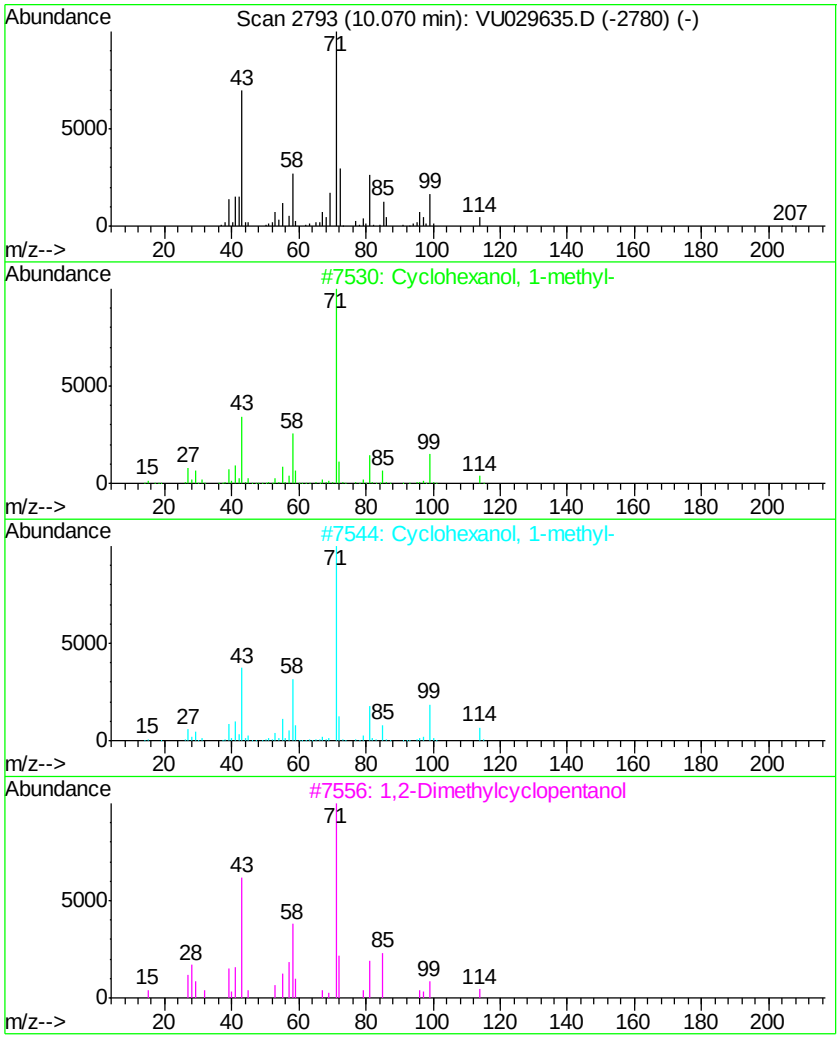
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

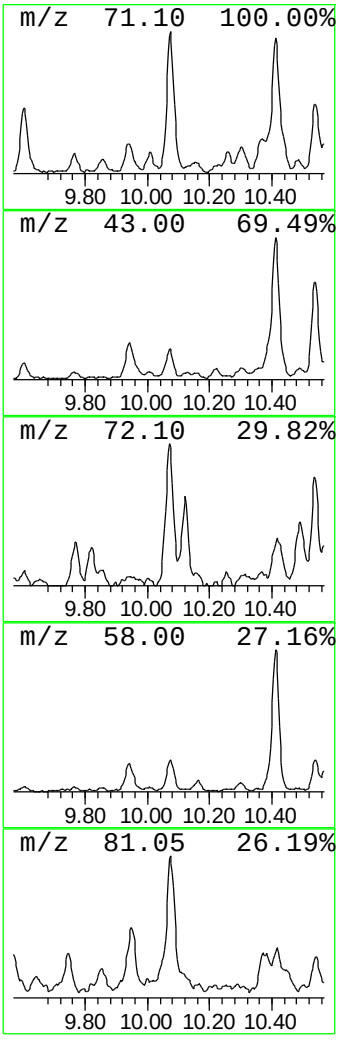
****

Peak Number 42 Cyclohexanol, 1-methyl- Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	5.18 ug/L	174792	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 1-methyl-	114	C7H14O	000590-67-0	72
2	Cyclohexanol, 1-methyl-	114	C7H14O	000590-67-0	64
3	1,2-Dimethylcyclopentanol	114	C7H14O	019550-45-9	62
4	2,4-Dimethylcyclopentanol	114	C7H14O	089794-28-5	50
5	2,4-Dimethyl-1-penten-3-ol	114	C7H14O	019781-54-5	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

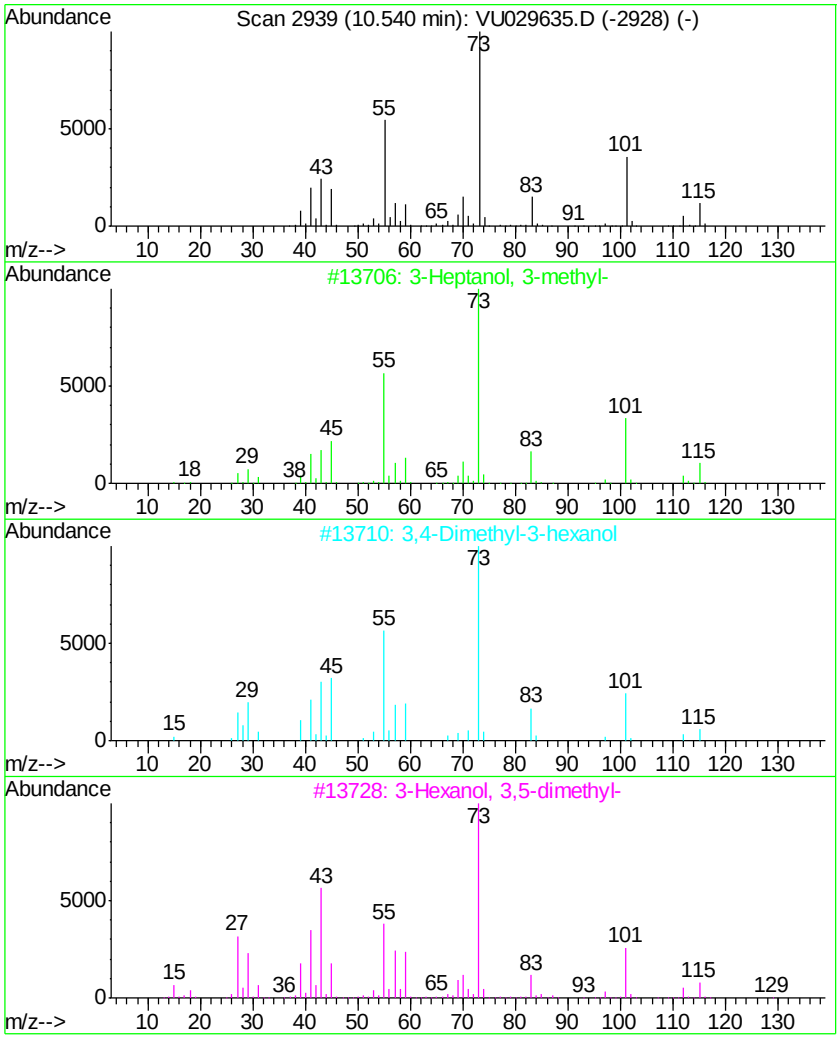
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

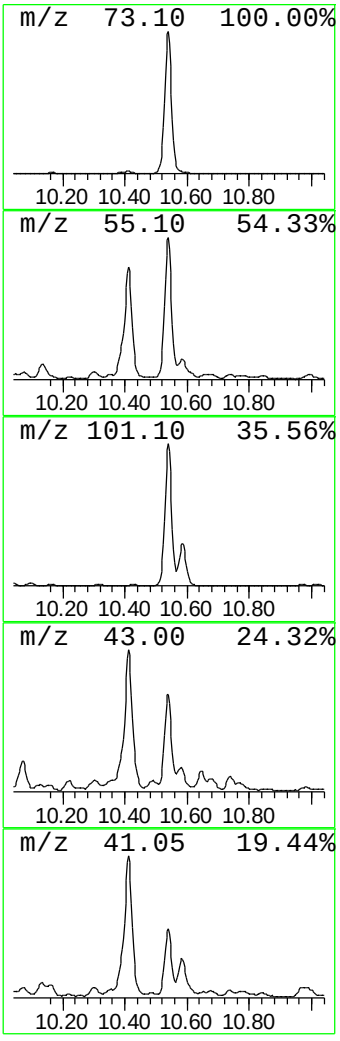
****

Peak Number 43 3-Heptanol, 3-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	28.65 ug/L	864090	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	90
2	3,4-Dimethyl-3-hexanol	130	C8H18O	019550-08-4	56
3	3-Hexanol, 3,5-dimethyl-	130	C8H18O	004209-91-0	42
4	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	42
5	3,4,4-Trimethyl-3-pentanol	130	C8H18O	007294-05-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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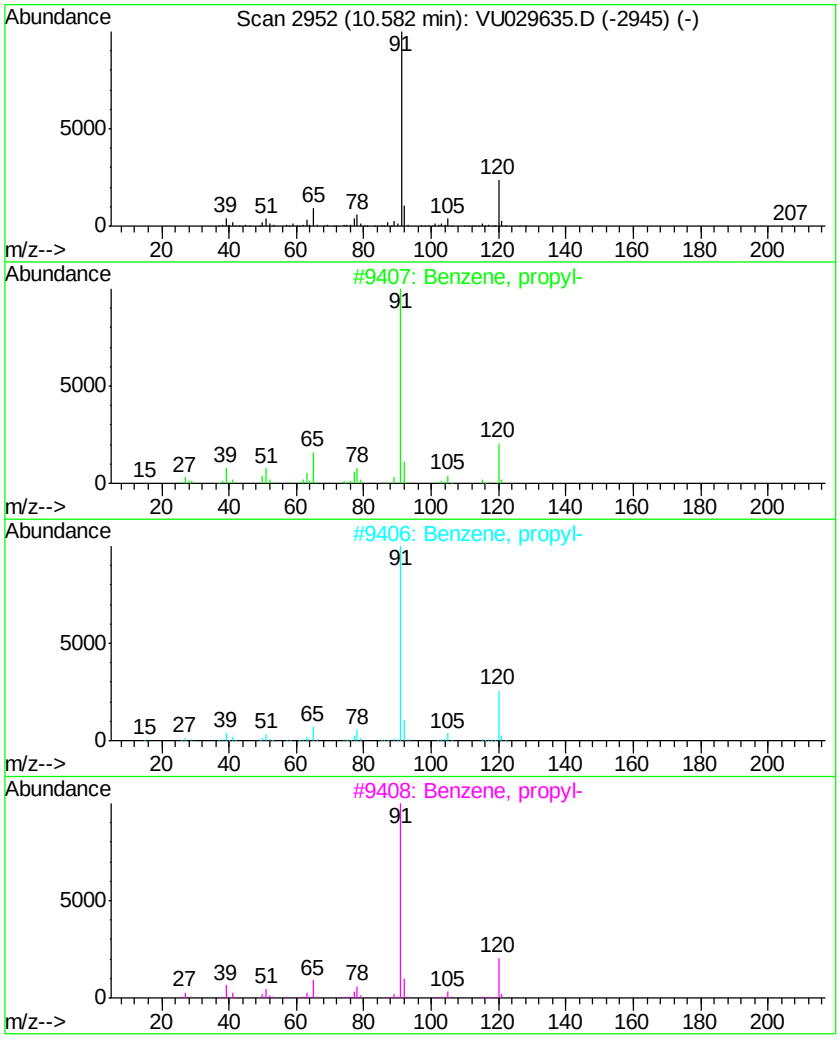
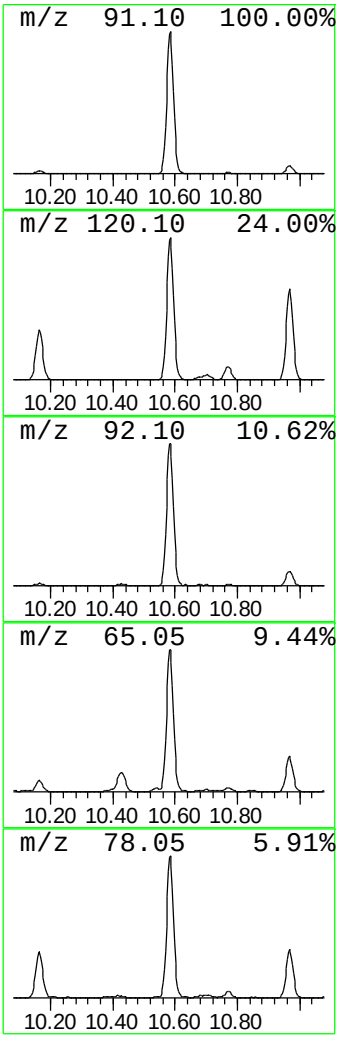
Peak Number 44 Benzene, propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	68.21 ug/L	2057190	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	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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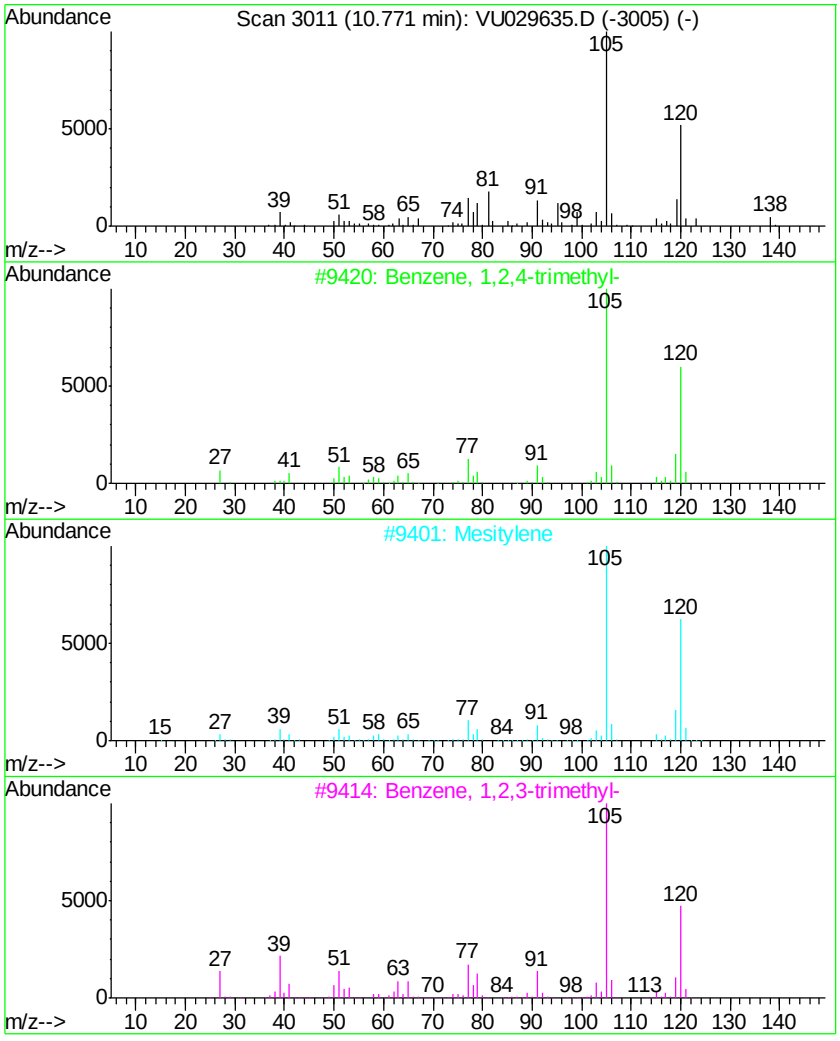
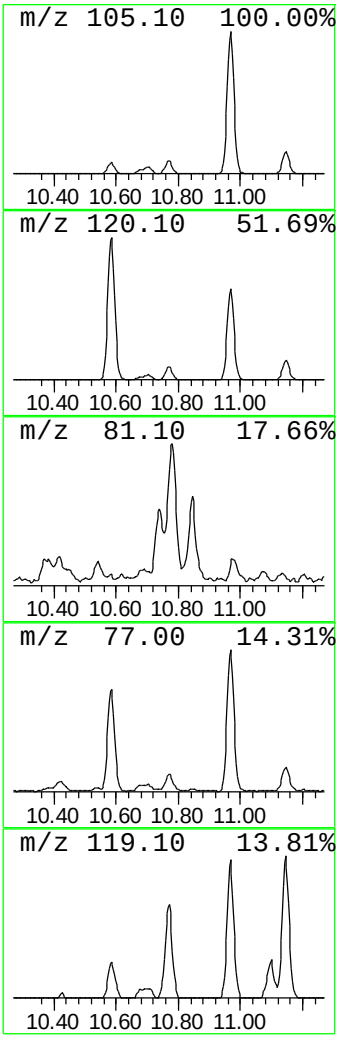
Peak Number 45 Benzene, 1,2,4-trimethyl- Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	6.36 ug/L	191930	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
2	Mesitylene	120	C9H12	000108-67-8	76
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	76
4	Mesitylene	120	C9H12	000108-67-8	76
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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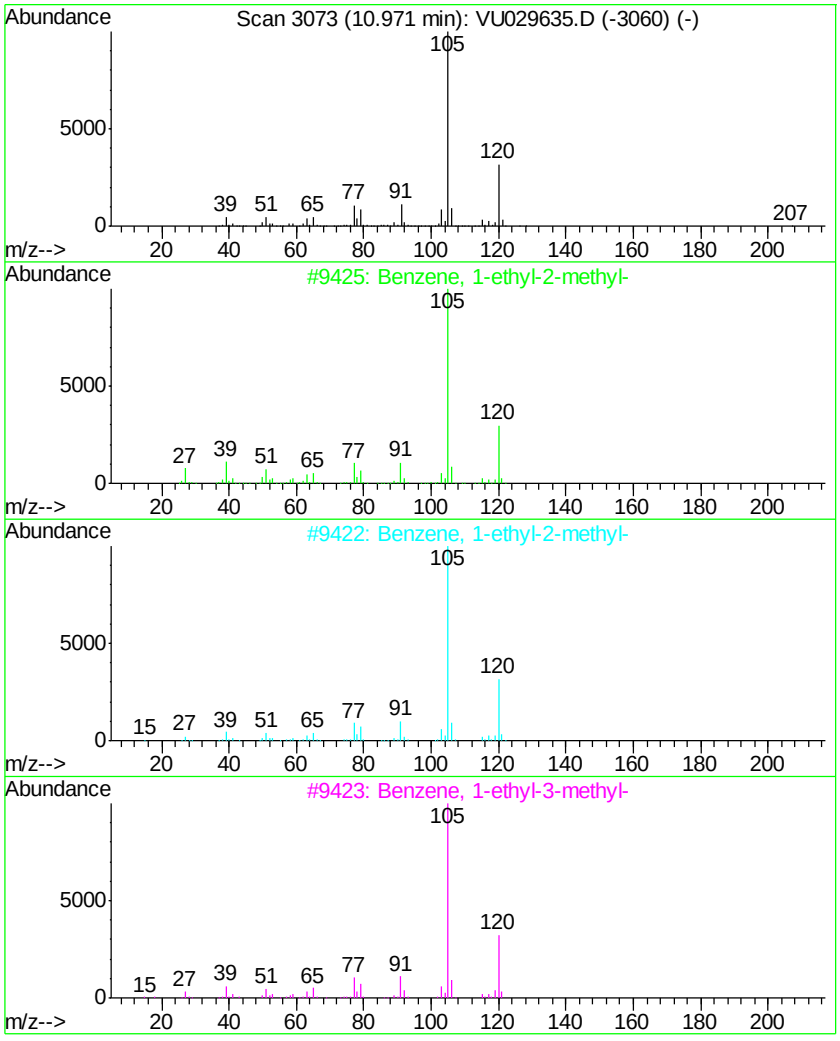
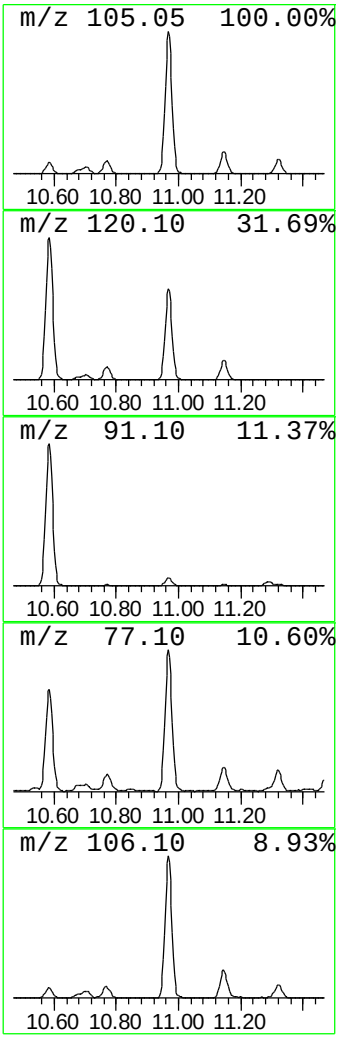
Peak Number 46 Benzene, 1-ethyl-2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	41.02 ug/L	1237030	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-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

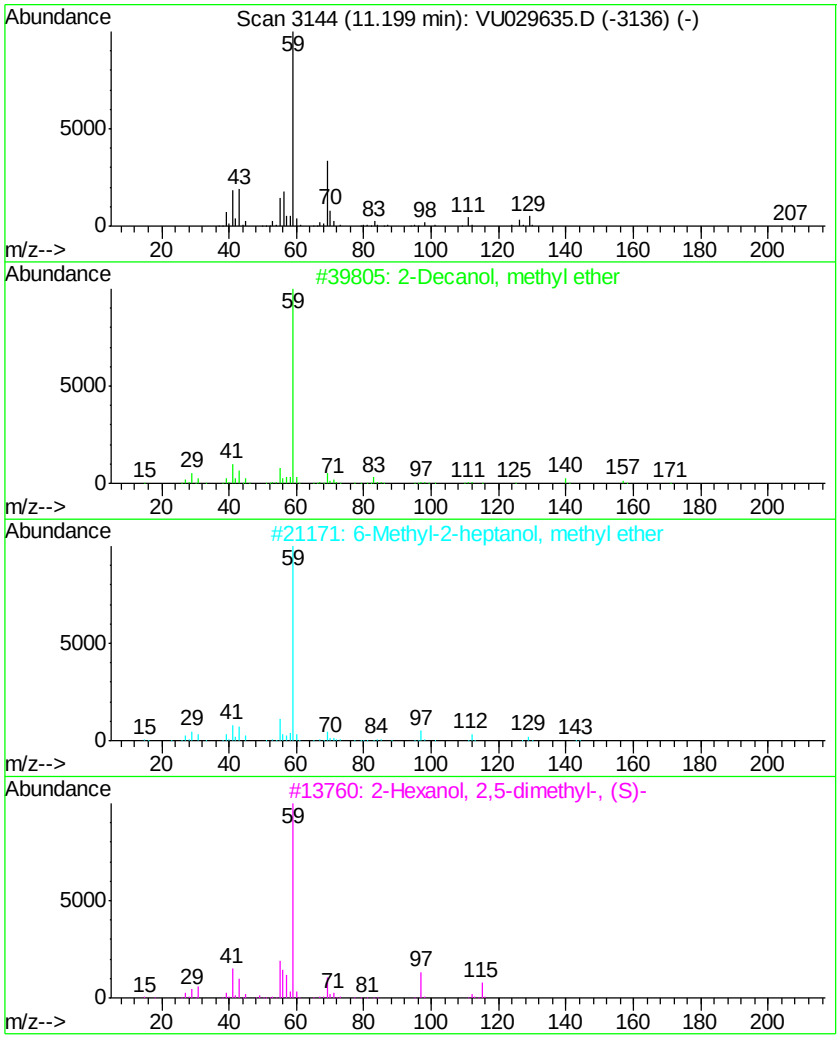
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

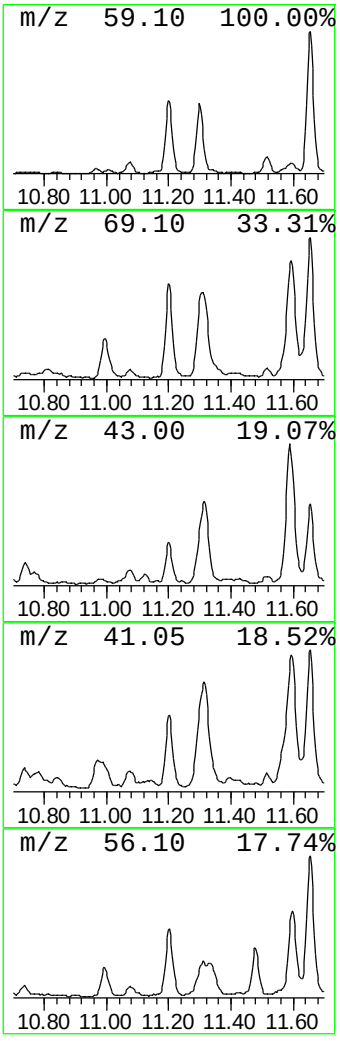
****

Peak Number 48 2-Decanol, methyl ether Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	8.13 ug/L	245214	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decanol, methyl ether	172	C11H24O	1000333-83-9	50
2	6-Methyl-2-heptanol, methyl ether	144	C9H20O	1000365-52-0	50
3	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	43
4	2-Heptanol, 2,6-dimethyl-	144	C9H20O	013254-34-7	43
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

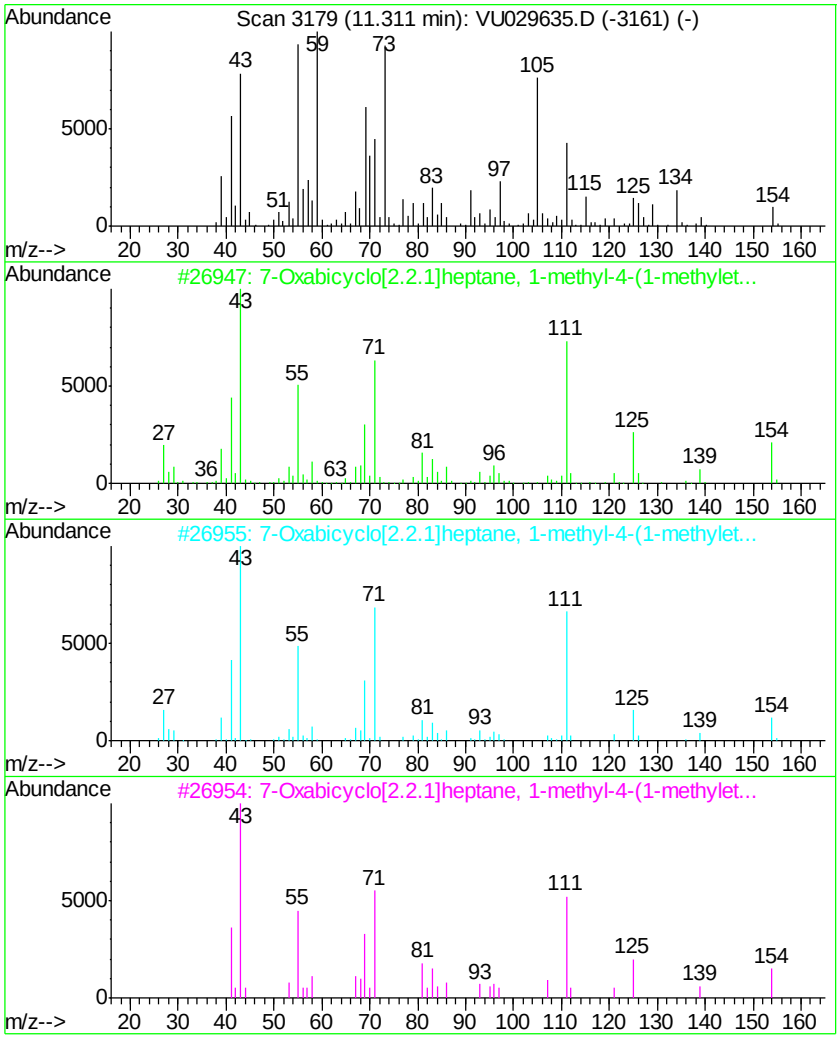
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

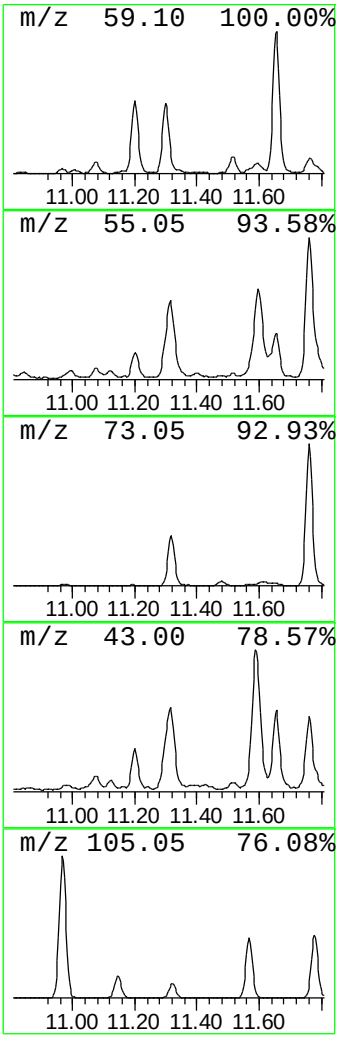
****

Peak Number 49 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	27.57 ug/L	831496	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	46
2	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	41
3	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	38
4	3-Hepten-2-one, 5-methyl-	126	C8H14O	005090-16-4	20
5	3-Ethylidene- heptan-2,6-dione	154	C9H14O2	1000223-47-9	18





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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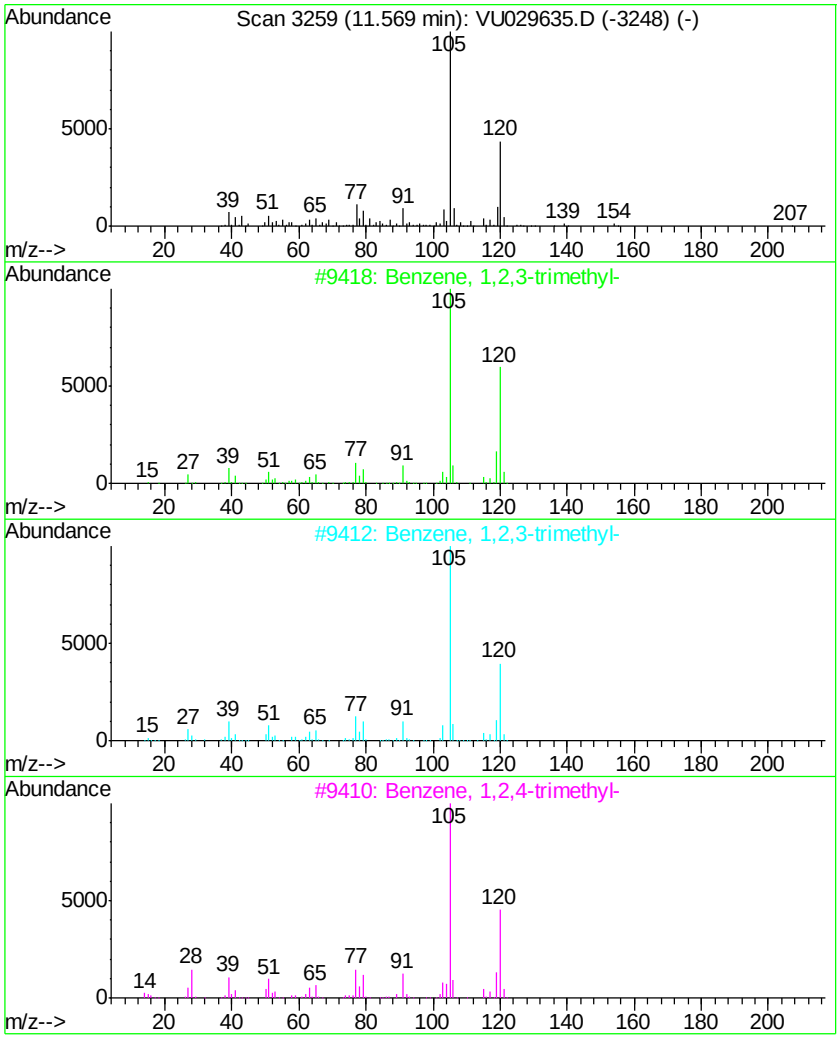
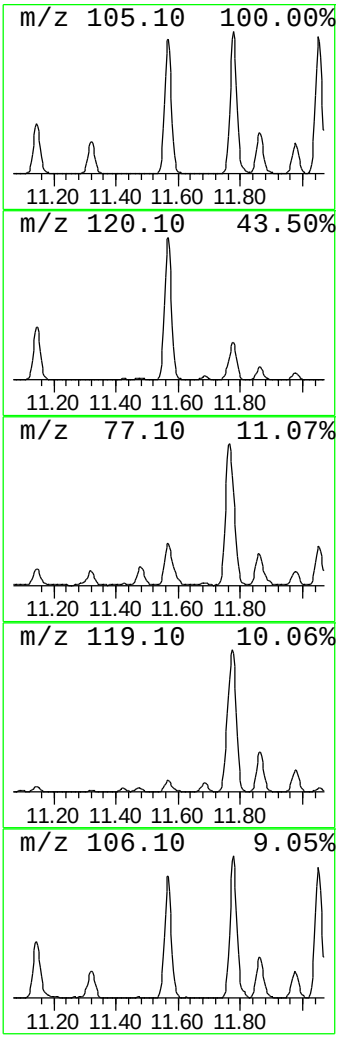
Peak Number 50 Benzene, 1,2,3-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	19.78 ug/L	596569	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	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
5	Mesitylene	120	C9H12	000108-67-8	87





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

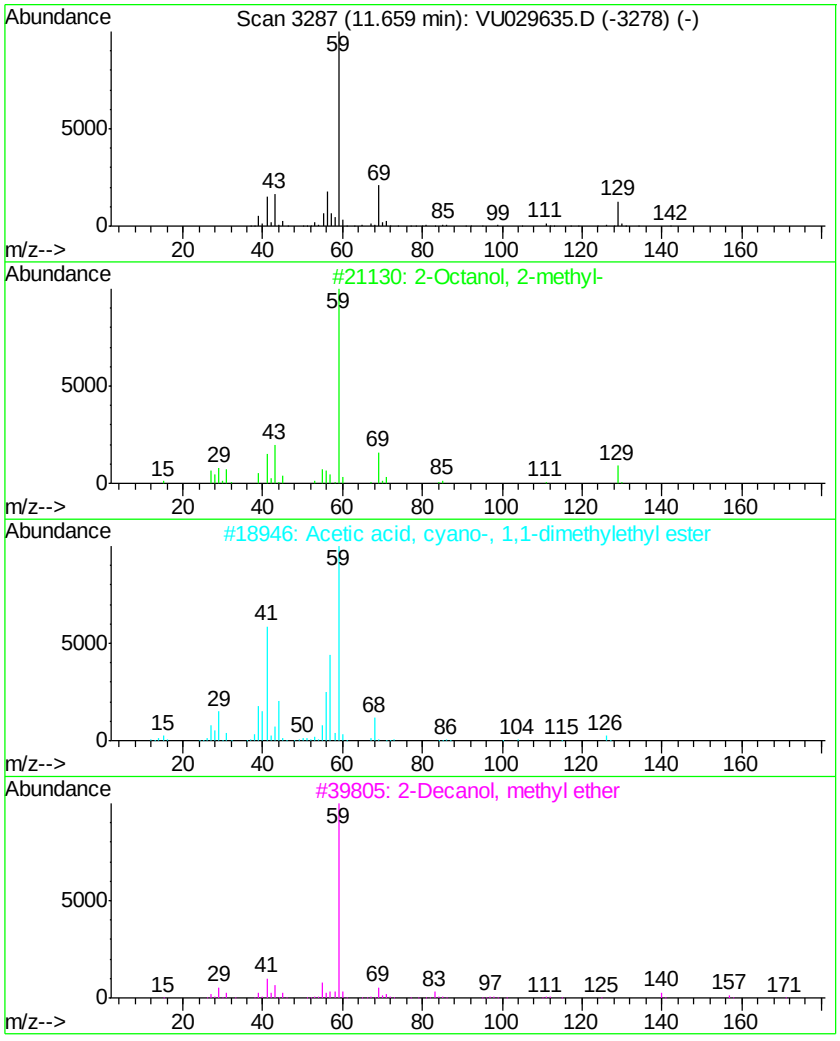
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

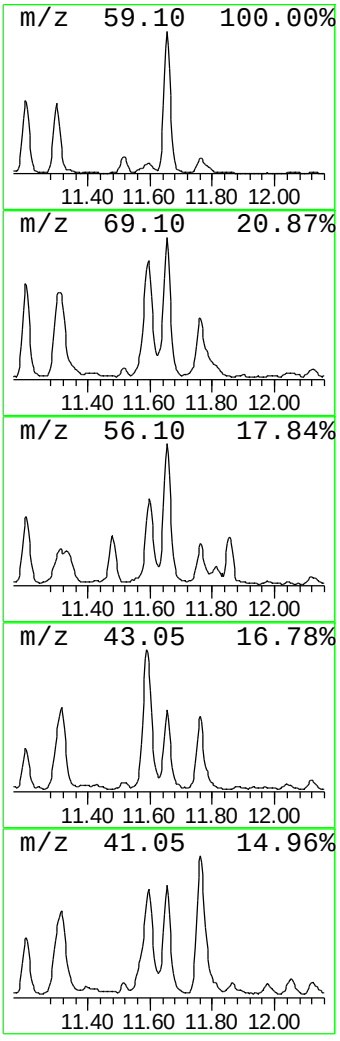
****

Peak Number 51 2-Octanol, 2-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	17.86 ug/L	538510	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanol, 2-methyl-	144	C9H20O	000628-44-4	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	59
3	2-Decanol, methyl ether	172	C11H24O	1000333-83-9	45
4	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	40
5	2-Octanol, 2,6-dimethyl-	158	C10H22O	018479-57-7	40





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Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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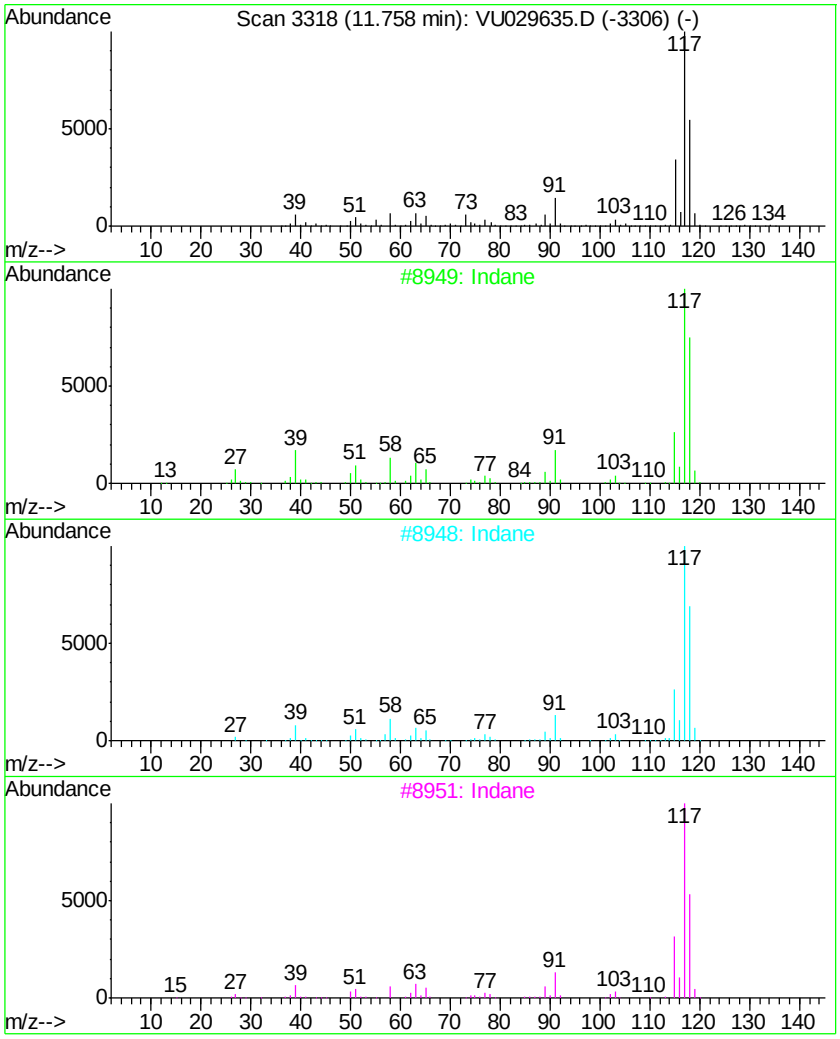
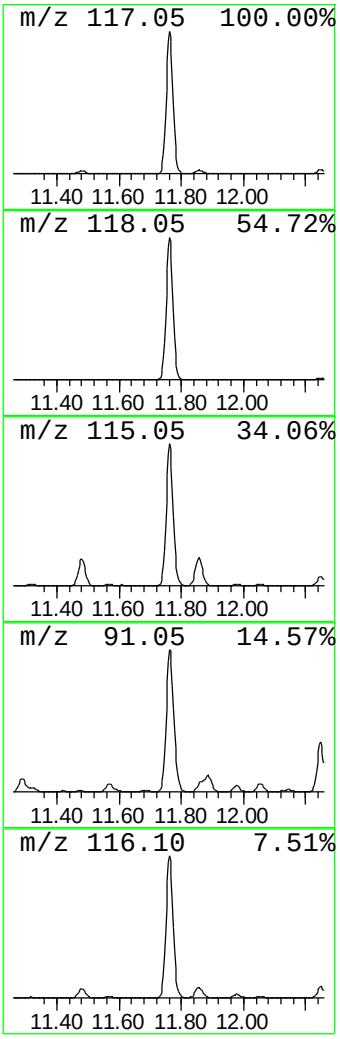
Peak Number 52 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	252.03 ug/L	7600830	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	81
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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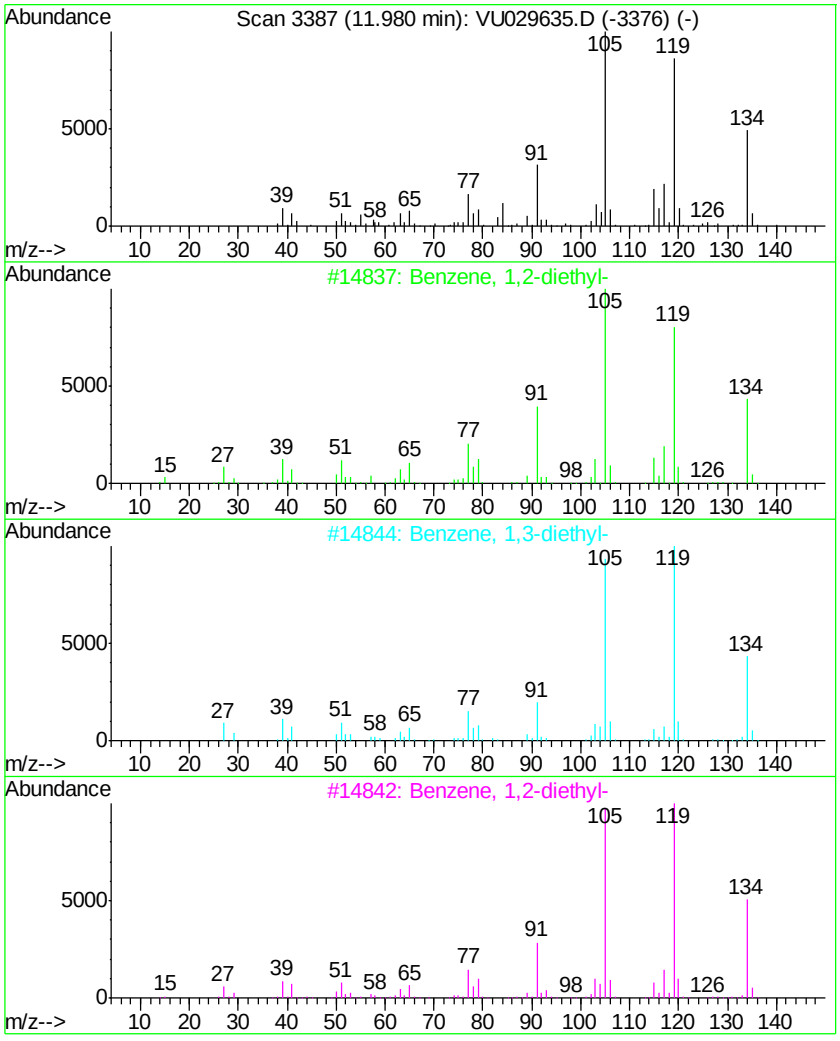
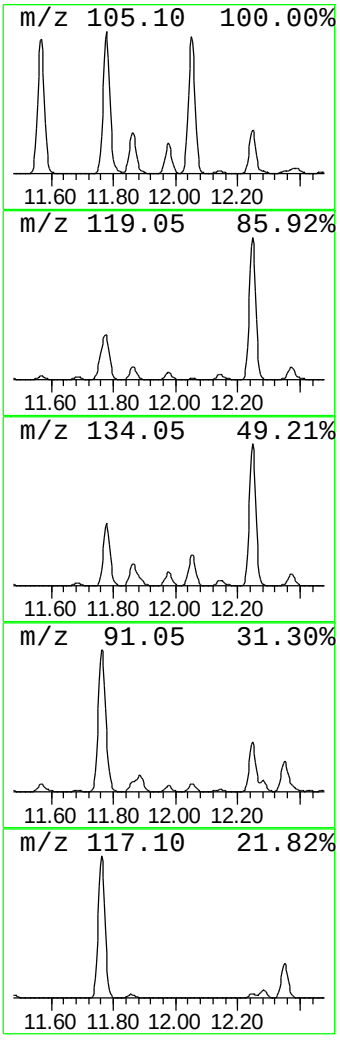
Peak Number 53 Benzene, 1,2-diethyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	7.52 ug/L	226779	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, 1,3-diethyl-	134	C10H14	000141-93-5	87
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	87
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	81
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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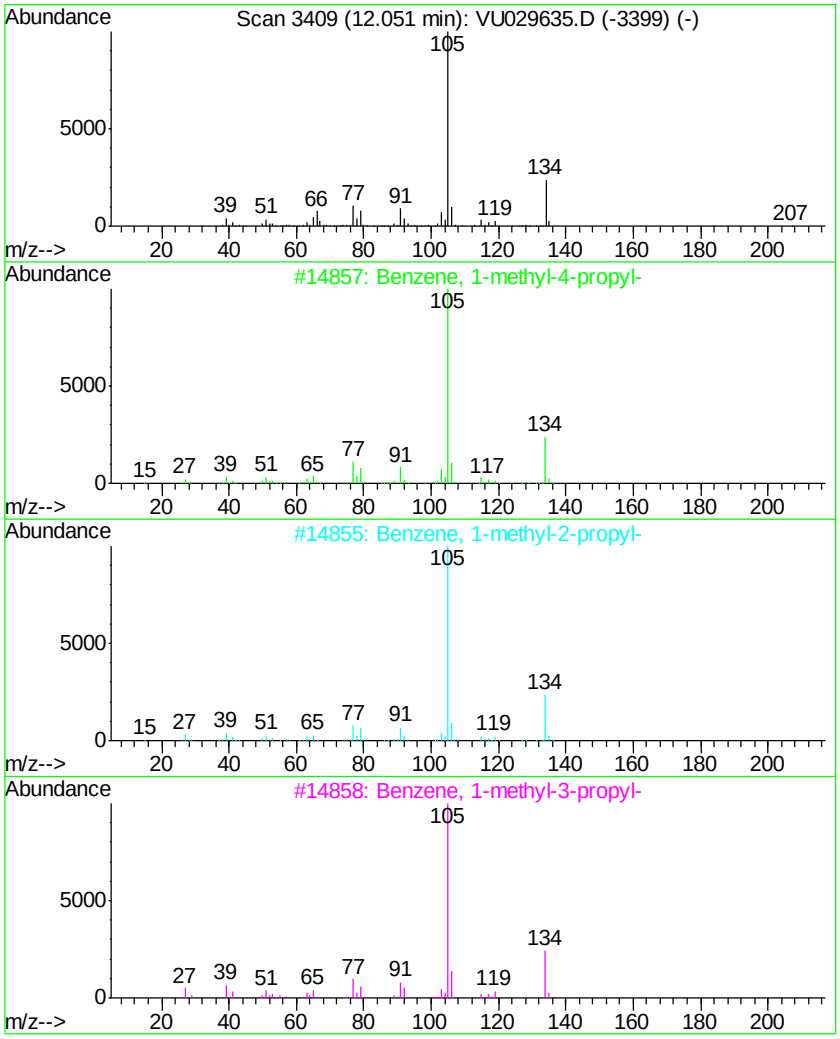
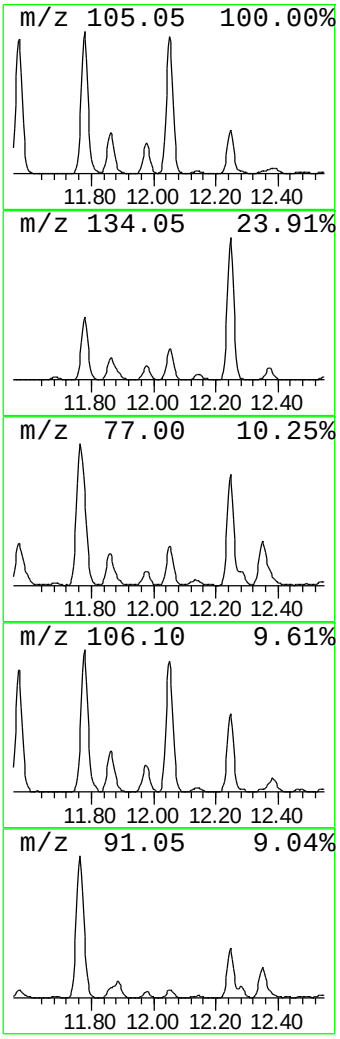
Peak Number 54 Benzene, 1-methyl-4-propyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	16.50 ug/L	497492	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	93
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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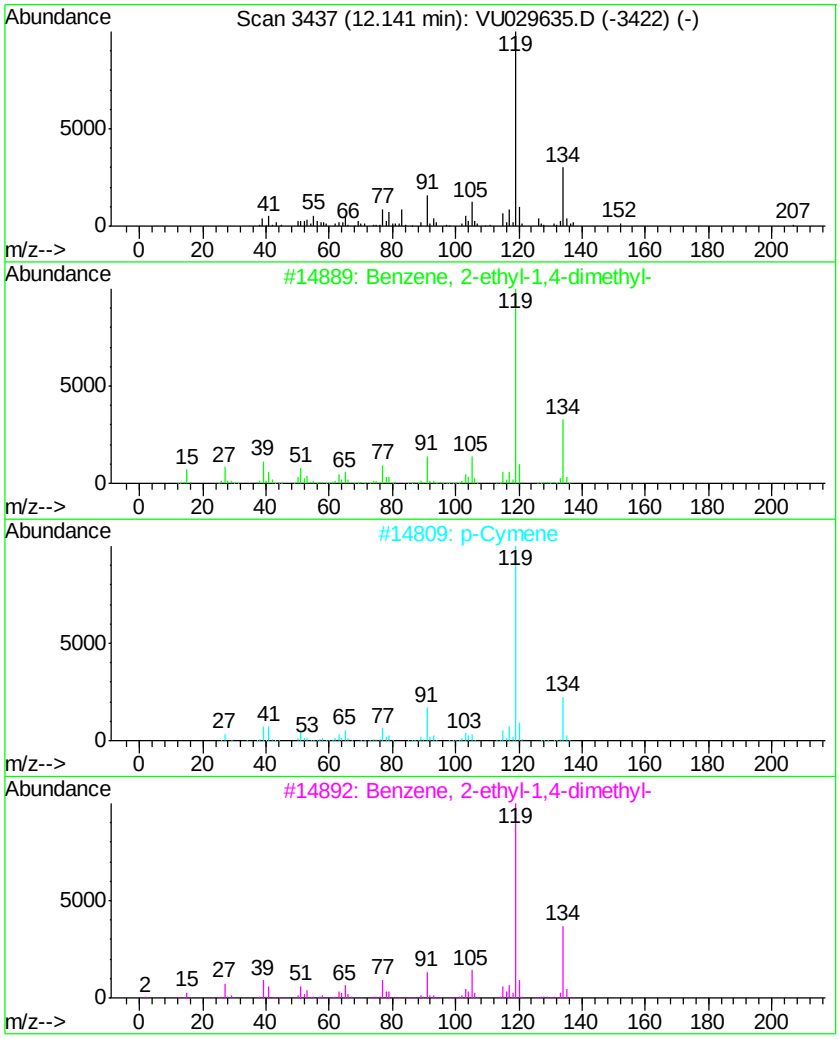
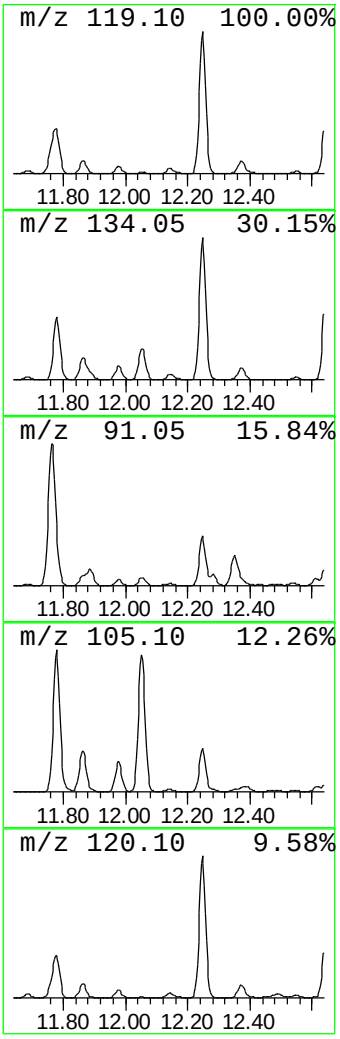
Peak Number 55 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.36 ug/L	131597	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	o-Cymene	134	C10H14	000527-84-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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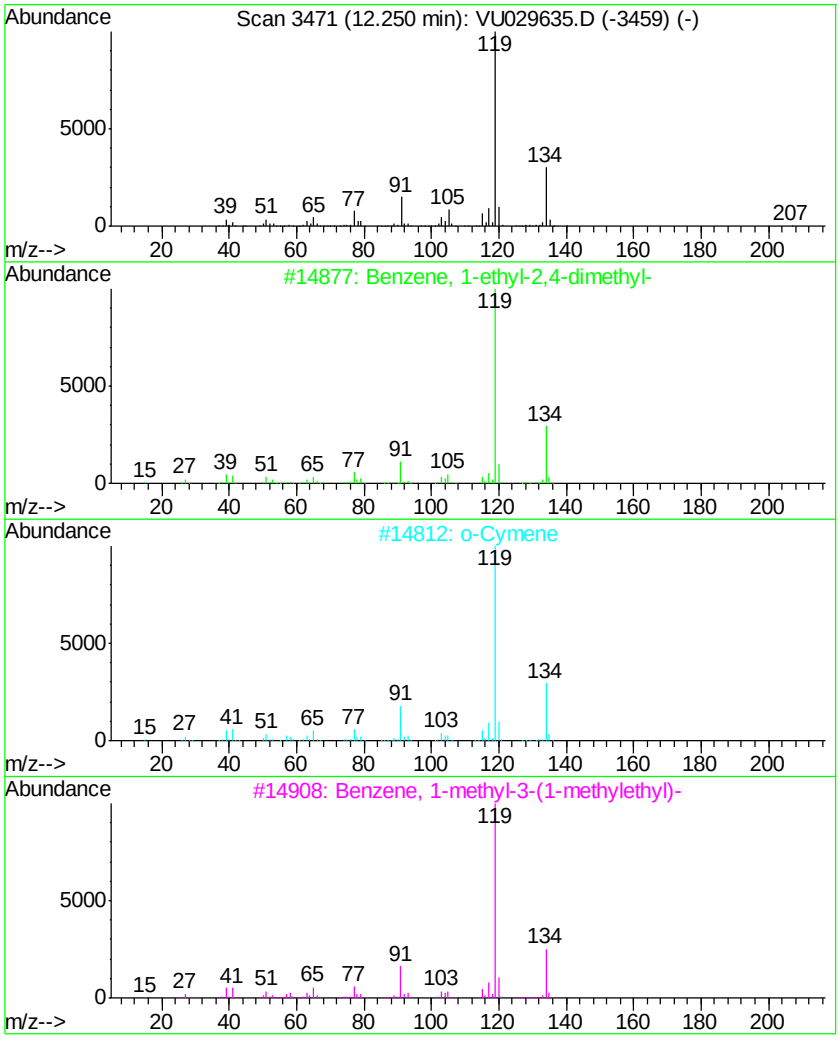
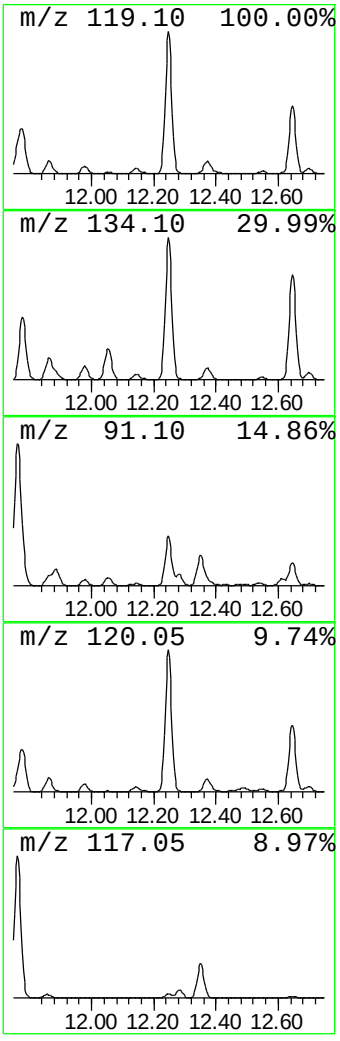
Peak Number 56 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	60.13 ug/L	1813600	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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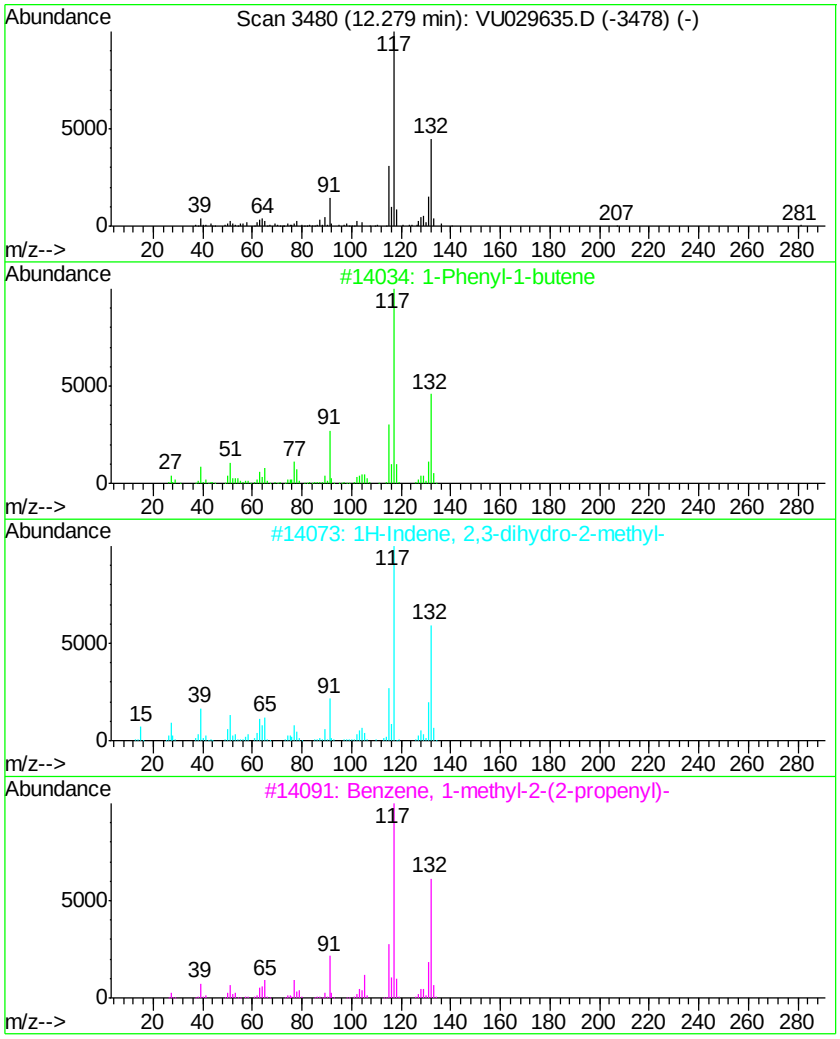
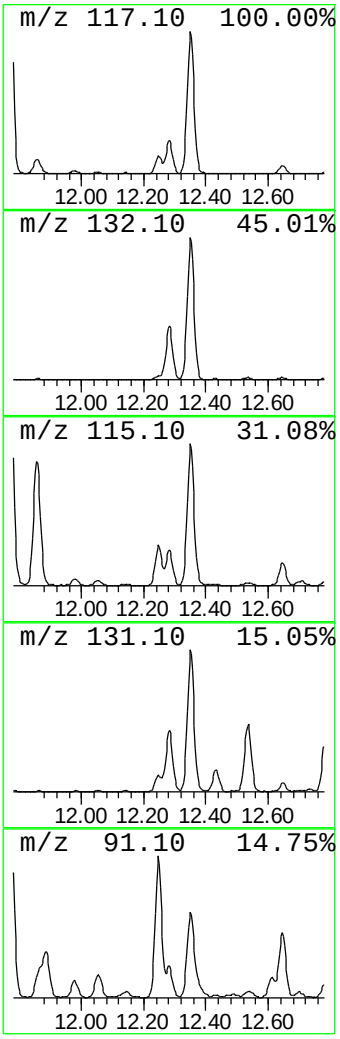
Peak Number 57 1-Phenyl-1-butene Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	11.91 ug/L	359309	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	86
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	86
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	86
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022219\
Data File : VU029635.D
Acq On : 22 Feb 2019 21:16
Operator : JC/SP
Sample : K1581-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.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...	1.30	17.5	ug/L	361781	1	5.88	1034250	50.0
(DEL) Alkane: Str...	1.76	311.9	ug/L	6452320	1	5.88	1034250	50.0
(DEL) Alkane: Str...	1.95	130.0	ug/L	2688490	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	2.05	6.7	ug/L	138793	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	2.18	218.8	ug/L	4524990	1	5.88	1034250	50.0
(DEL) Alkane: Str...	2.70	50.8	ug/L	1050790	1	5.88	1034250	50.0
(DEL) Alkane: Str...	2.74	84.2	ug/L	1741450	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	2.79	145.6	ug/L	3011830	1	5.88	1034250	50.0
(DEL) Alkane: Str...	3.00	81.3	ug/L	1681050	1	5.88	1034250	50.0
(DEL) Alkane: Str...	3.30	17.3	ug/L	358364	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	3.55	57.5	ug/L	1189050	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	3.66	28.7	ug/L	593813	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	3.89	43.6	ug/L	902366	1	5.88	1034250	50.0
(DEL) Alkane: Str...	3.99	9.1	ug/L	187412	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	4.09	224.1	ug/L	4636280	1	5.88	1034250	50.0
Cyclopentene, 1-m...	4.77	104.8	ug/L	2168820	1	5.88	1034250	50.0
(DEL) Alkane: Str...	5.08	46.3	ug/L	958113	1	5.88	1034250	50.0
(DEL) Alkane: Str...	5.22	34.4	ug/L	710746	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	5.62	24.7	ug/L	510219	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	5.78	9.5	ug/L	196219	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	5.94	52.4	ug/L	1082970	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	6.12	6.6	ug/L	137122	1	5.88	1034250	50.0
3,5-Dimethylcyclo...	6.22	18.7	ug/L	386402	1	5.88	1034250	50.0
(DEL) Alkane: Cyc...	6.64	16.2	ug/L	334717	1	5.88	1034250	50.0
Cyclohexene, 4-me...	6.84	18.3	ug/L	379454	1	5.88	1034250	50.0
(DEL) Alkane: Str...	6.92	14.6	ug/L	301143	1	5.88	1034250	50.0
Cyclopentene, 1,5...	7.06	47.9	ug/L	989813	1	5.88	1034250	50.0
Cyclobutane, 1-et...	7.12	9.2	ug/L	191043	1	5.88	1034250	50.0
2-Butanol, 2,3-di...	7.29	17.8	ug/L	368222	1	5.88	1034250	50.0
3-Hexanol, 4-methyl-	7.36	55.5	ug/L	1148050	1	5.88	1034250	50.0
Cyclohexene, 1-me...	7.43	26.6	ug/L	549496	1	5.88	1034250	50.0
3-Pentanol, 3-met...	7.71	43.9	ug/L	1480020	2	9.09	1686430	50.0
(DEL) Alkane: Cyc...	7.91	4.4	ug/L	149005	2	9.09	1686430	50.0
(DEL) Alkane: Cyc...	8.04	4.1	ug/L	138952	2	9.09	1686430	50.0
1,3-Dimethyl-1-cy...	8.09	4.7	ug/L	158542	2	9.09	1686430	50.0
3-Pentanone, 2,2-...	8.39	19.9	ug/L	670817	2	9.09	1686430	50.0
Cyclopentanol, 1-...	8.49	7.9	ug/L	266355	2	9.09	1686430	50.0
2-Hexanol, 2-methyl-	9.02	41.6	ug/L	1402300	2	9.09	1686430	50.0
3-Pentanol, 2,3-d...	9.17	39.9	ug/L	1344450	2	9.09	1686430	50.0
2-Hexanol, 2,5-di...	9.94	14.4	ug/L	487533	2	9.09	1686430	50.0
Cyclohexanol, 1-m...	10.07	5.2	ug/L	174792	2	9.09	1686430	50.0
3-Heptanol, 3-met...	10.54	28.6	ug/L	864090	3	11.48	1507940	50.0
Benzene, propyl-	10.58	68.2	ug/L	2057190	3	11.48	1507940	50.0
Benzene, 1,2,4-tr...	10.77	6.4	ug/L	191930	3	11.48	1507940	50.0
Benzene, 1-ethyl-...	10.97	41.0	ug/L	1237030	3	11.48	1507940	50.0
2-Decanol, methyl...	11.20	8.1	ug/L	245214	3	11.48	1507940	50.0
unknown-01	11.31	27.6	ug/L	831496	3	11.48	1507940	50.0
Benzene, 1,2,3-tr...	11.57	19.8	ug/L	596569	3	11.48	1507940	50.0
2-Octanol, 2-methyl-	11.66	17.9	ug/L	538510	3	11.48	1507940	50.0

Indane	11.76	252.0	ug/L	7600830	3	11.48	1507940	50.0
Benzene, 1,2-diet...	11.98	7.5	ug/L	226779	3	11.48	1507940	50.0
Benzene, 1-methyl...	12.05	16.5	ug/L	497492	3	11.48	1507940	50.0
Benzene, 2-ethyl-...	12.14	4.4	ug/L	131597	3	11.48	1507940	50.0
Benzene, 1-ethyl-...	12.25	60.1	ug/L	1813600	3	11.48	1507940	50.0
1-Phenyl-1-butene	12.28	11.9	ug/L	359309	3	11.48	1507940	50.0

Instrument :
MSVOA_U
ClientSampleId :
DB629