LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

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\SOMULM032319WMA.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	1.637	139	170	179	rBV	244792	600973	6.52%	0.289%
2	1.695	180	188	211	rVB	1710806	2135024	23.16%	1.026%
3	1.887	237	248	266	rVB	1588789	2355398	25.55%	1.132%
4	2.142	318	327	343	rVV	794006	1189699	12.91%	0.572%
5	2.238	346	357	382	rVV	448695	823094	8.93%	0.396%
6	2.711	480	504	515	rBV	2892799	6776921	73.51%	3.257%
7	2.968	563	584	606	rBV	1838571	3949308	42.84%	1.898%
8	3.277	662	680	703	rVV	3044823	6437436	69.83%	3.093%
9	3.531	748	759	776	rVV2	464042	1098188	11.91%	0.528%
10	3.865	843	863	880	rVV2	375243	1156393	12.54%	0.556%
11	3.968	882	895	909	rVV	314515	886218	9.61%	0.426%
12	4.067	909	926	944	rVV	1815124	4919525	53.36%	2.364%
13	4.180	945	961	1017	rVB3	201423	945970	10.26%	0.455%
14	4.759	1135	1141	1159	rVB2	384307	813328	8.82%	0.391%
15	4.974	1191	1208	1223	rBV4	2996705	7325894	79.47%	3.520%
16	5.064	1224	1236	1261	rVB2	821953	2399098	26.02%	1.153%
17	5.202	1262	1279	1301	rBV	2110183	5222703	56.65%	2.510%
18	5.328	1301	1318	1329	rBV2	596659	1560964	16.93%	0.750%
19	5.466	1349	1361	1370	rBV2	864841	1858930	20.16%	0.893%
20	5.534	1371	1382	1394	rVV4	1012398	2665952	28.92%	1.281%
21	5.608	1394	1405	1419	rVB3	1039599	2395291	25.98%	1.151%
22	5.768	1440	1455	1478	rBV	3355262	6767249	73.41%	3.252%
23	5.878	1479	1489	1497	rVV	622117	1231340	13.36%	0.592%
24	5.936	1498	1507	1531	rVV4	820485	2381086	25.83%	1.144%
25	6.206	1577	1591	1616	rBV6	511900	1288109	13.97%	0.619%
26	6.325	1616	1628	1636	rBV	380322	749878	8.13%	0.360%
27	6.405	1636	1653	1665	rVV	4155028	9218897	100.00%	4.430%
28	6.466	1665	1672	1681	rVV2	415895	774982	8.41%	0.372%
29	6.524	1681	1690	1702	rVB	453979	843393	9.15%	0.405%
30	6.633	1712	1724	1737	rVB2	549526	1014354	11.00%	0.487%
31	6.727	1739	1753	1766	rVB3	451593	981069	10.64%	0.471%
32	6.913	1795	1811	1828	rVB6	542276	1650940	17.91%	0.793%
33	7.054	1829	1855	1863	rBV6	608610	1906371	20.68%	0.916%
34	7.173	1881	1892	1899	rBV	2101519	3641444	39.50%	1.750%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040419\
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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

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\SOMULM032319WMA.M
Title : VOC Analysis

35	7.334	1932	1942	1960	rVB	1405598	2591242	28.11%	1.245%
36	7.427	1963	1971	1986	rVB6	331749	784415	8.51%	0.377%
37	7.521	1986	2000	2006	rBV3	1381975	2665701	28.92%	1.281%
38	7.556	2007	2011	2026	rVB2	1298769	2148111	23.30%	1.032%
39	7.694	2045	2054	2061	rBV4	423739	794176	8.61%	0.382%
40	7.813	2082	2091	2111	rVB	2931224	5104031	55.36%	2.453%
41	7.910	2111	2121	2141	rVB3	773867	1691811	18.35%	0.813%
42	8.042	2152	2162	2169	rBV2	468932	773047	8.39%	0.371%
43	8.321	2239	2249	2261	rBV3	1505151	2621132	28.43%	1.260%
44	8.450	2278	2289	2294	rBV	555719	1003333	10.88%	0.482%
45	8.540	2307	2317	2326	rBV	721097	1178896	12.79%	0.567%
46	8.601	2326	2336	2345	rBV	953859	1609068	17.45%	0.773%
47	8.752	2371	2383	2392	rBV4	334373	657129	7.13%	0.316%
48	8.810	2392	2401	2406	rBV	470677	753921	8.18%	0.362%
49	8.906	2422	2431	2443	rVB2	1634014	2742865	29.75%	1.318%
50	9.029	2458	2469	2479	rBV	1477562	2421925	26.27%	1.164%
51	9.087	2479	2487	2498	rVV	912769	1479801	16.05%	0.711%
52	9.247	2526	2537	2550	rVB	1833315	3040771	32.98%	1.461%
53	9.373	2562	2576	2589	rBV	3179689	6220093	67.47%	2.989%
54	9.440	2589	2597	2622	rVB	3069833	5143108	55.79%	2.471%
55	9.714	2670	2682	2691	rBV5	569529	1095439	11.88%	0.526%
56	9.948	2736	2755	2764	rBV3	1330256	2619899	28.42%	1.259%
57	10.041	2775	2784	2792	rBV4	751299	1300456	14.11%	0.625%
58	10.087	2793	2798	2810	rVB3	389106	626949	6.80%	0.301%
59	10.164	2812	2822	2831	rBV2	474536	820051	8.90%	0.394%
60	10.318	2858	2870	2875	rVV3	629177	1196826	12.98%	0.575%
61	10.347	2875	2879	2894	rVB2	729805	1148918	12.46%	0.552%
62	10.447	2896	2910	2917	rBV2	823254	2061171	22.36%	0.990%
63	10.485	2917	2922	2932	rVB3	659753	1007918	10.93%	0.484%
64	10.585	2943	2953	2961	rBV	978612	1478882	16.04%	0.711%
65	10.701	2975	2989	2997	rVV3	710890	1674697	18.17%	0.805%
66	10.755	2997	3006	3015	rVV2	526273	1295795	14.06%	0.623%
67	10.810	3015	3023	3034	rVB	3152487	4563503	49.50%	2.193%
68	10.967	3064	3072	3081	rBV	960918	1575892	17.09%	0.757%
69	11.112	3109	3117	3122	rVV	1062278	1551602	16.83%	0.746%
70	11.144	3122	3127	3138	rVB	1208839	1790513	19.42%	0.860%
71	11.270	3158	3166	3175	rBV4	262875	626314	6.79%	0.301%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

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\SOMULM032319WMA.M
Title : VOC Analysis

72	11.328	3177	3184	3194	rVB4	507475	912950	9.90%	0.439%
73	11.395	3196	3205	3212	rBV4	505651	825636	8.96%	0.397%
74	11.479	3223	3231	3240	rBV2	1149854	1788186	19.40%	0.859%
75	11.569	3252	3259	3265	rVV	776030	1015605	11.02%	0.488%
76	11.607	3265	3271	3280	rVB	519635	728454	7.90%	0.350%
77	11.697	3294	3299	3311	rVB2	483921	716625	7.77%	0.344%
78	11.775	3312	3323	3331	rBV3	661377	1345189	14.59%	0.646%
79	11.858	3340	3349	3367	rVB5	1945160	4263563	46.25%	2.049%
80	12.022	3391	3400	3407	rBV	2960862	4311962	46.77%	2.072%
81	12.247	3459	3470	3478	rBV	1198680	1889477	20.50%	0.908%
82	12.353	3494	3503	3511	rBV2	868899	1454717	15.78%	0.699%
83	12.504	3540	3550	3557	rBV6	381330	757229	8.21%	0.364%
84	12.607	3573	3582	3587	rBV4	755411	1230526	13.35%	0.591%
85	12.646	3588	3594	3603	rVB2	1118322	1760381	19.10%	0.846%
86	12.784	3630	3637	3642	rBV3	424898	631279	6.85%	0.303%
87	13.032	3707	3714	3722	rBV5	405861	686238	7.44%	0.330%
88	13.119	3733	3741	3770	rVB3	3141206	5353871	58.07%	2.573%
89	13.279	3783	3791	3799	rBV2	806180	1409323	15.29%	0.677%
90	13.504	3853	3861	3869	rBV3	701012	1099333	11.92%	0.528%
91	13.784	3942	3948	3960	rBV5	435037	720963	7.82%	0.346%
92	13.881	3974	3978	3986	rVB2	544001	665894	7.22%	0.320%
93	14.138	4050	4058	4065	rBV2	1040976	1552347	16.84%	0.746%
94	14.331	4111	4118	4132	rVB4	587799	1059441	11.49%	0.509%
95	14.871	4277	4286	4299	rBV2	1753955	3226549	35.00%	1.550%
96	15.057	4338	4344	4349	rBV	550796	761164	8.26%	0.366%
97	15.659	4525	4531	4540	rVB2	464445	659623	7.16%	0.317%
98	15.909	4599	4609	4621	rBV	1264692	2313847	25.10%	1.112%
99	16.054	4647	4654	4661	rBV	979316	1514368	16.43%	0.728%
100	16.093	4661	4666	4684	rVB	908998	1621117	17.58%	0.779%

Sum of corrected areas: 208100677

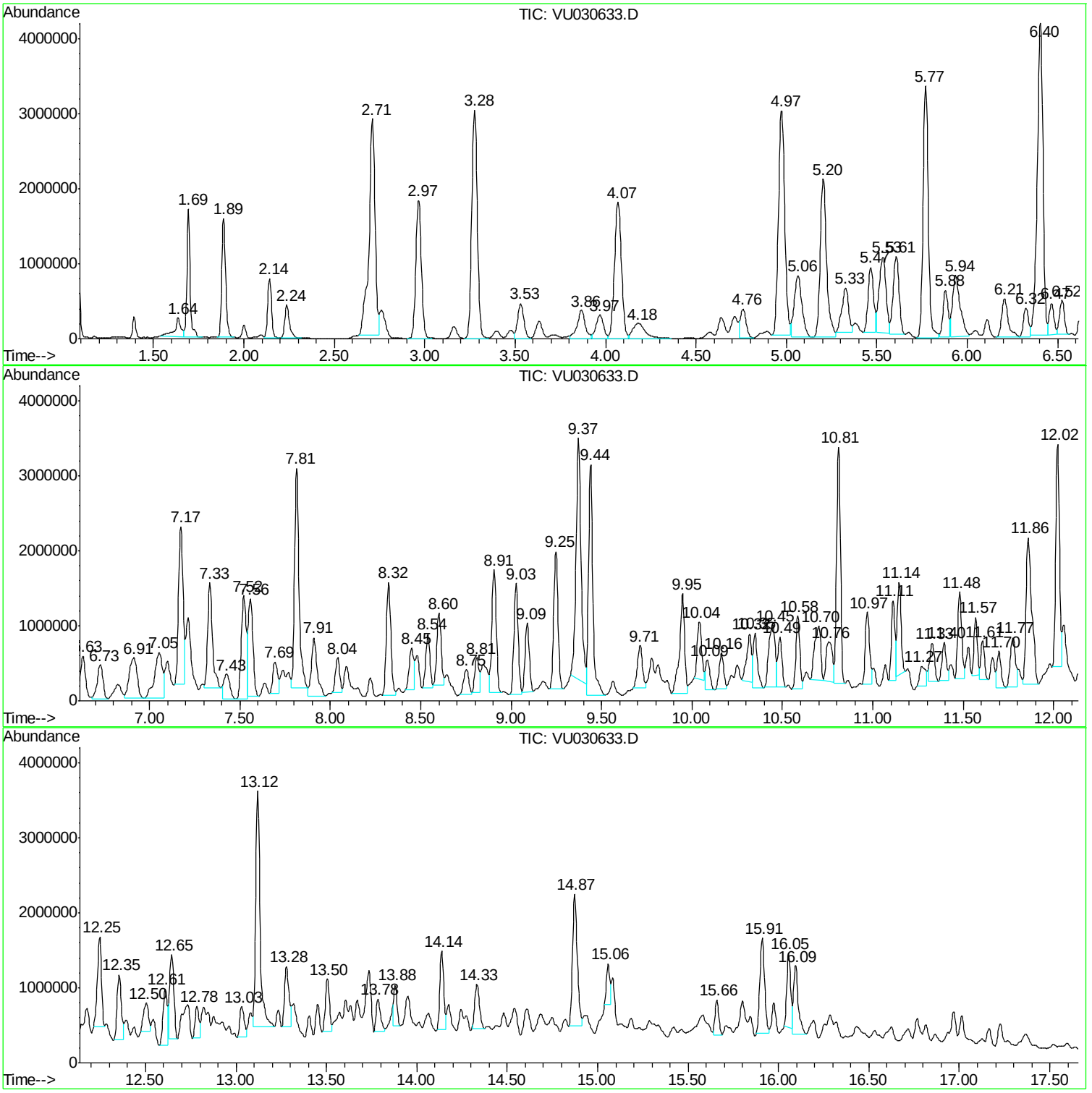
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

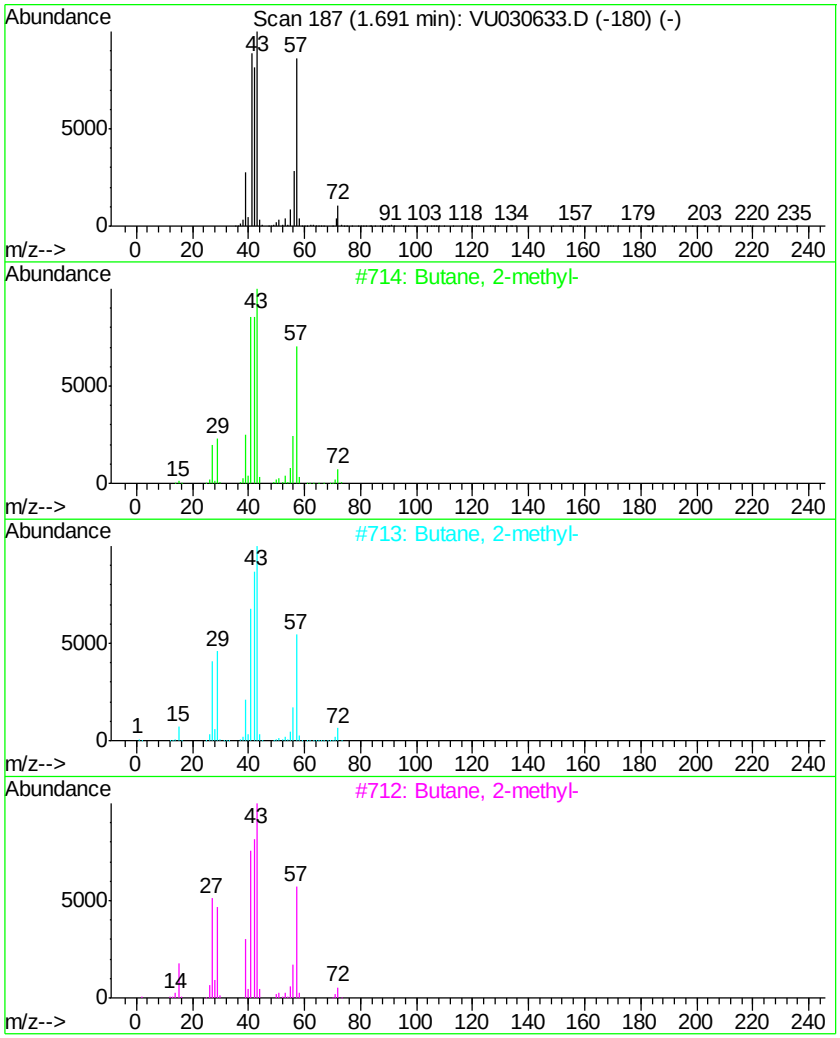
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

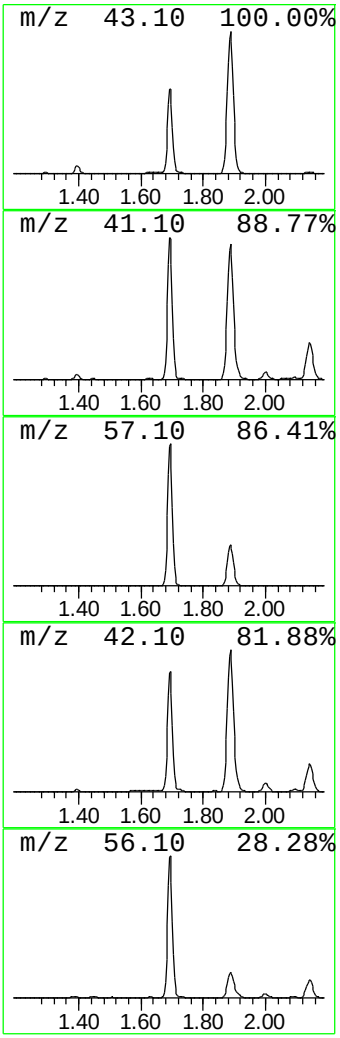
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.69	86.70 ug/L	2135020	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	90
3	Butane, 2-methyl-	72	C5H12	000078-78-4	83
4	Pentane	72	C5H12	000109-66-0	42
5	Pentane	72	C5H12	000109-66-0	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

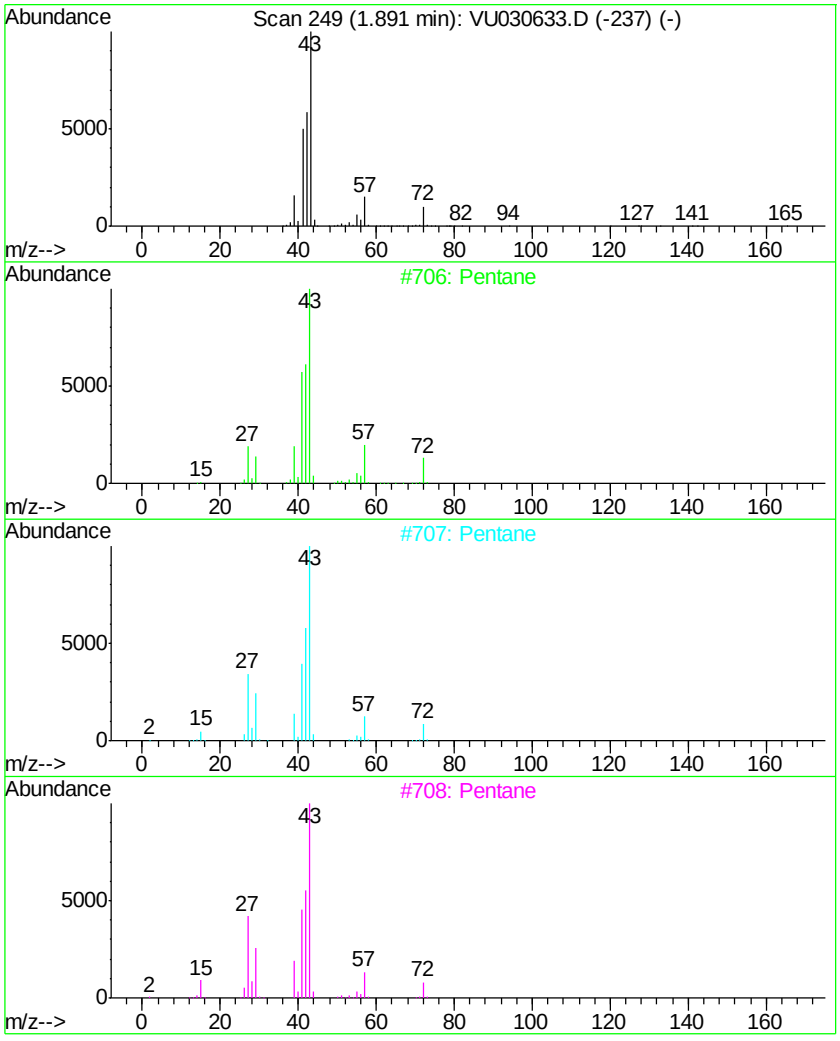
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

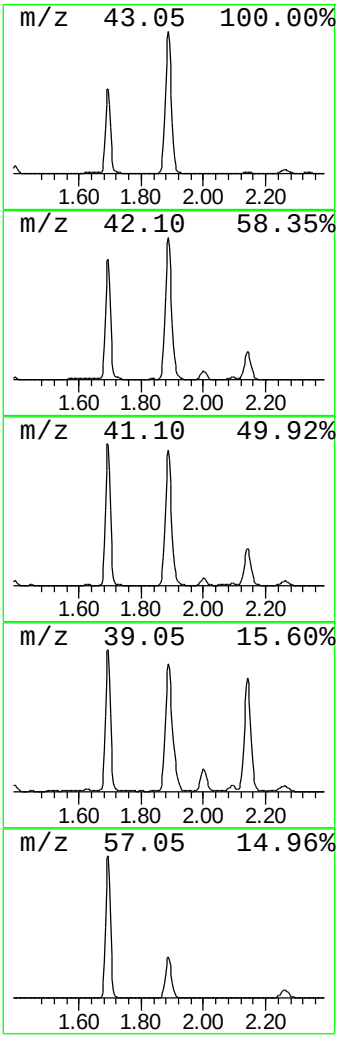
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.89	95.64 ug/L	2355400	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	90
4	Pentane	72	C5H12	000109-66-0	72
5	Butane, 2-methyl-	72	C5H12	000078-78-4	38





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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

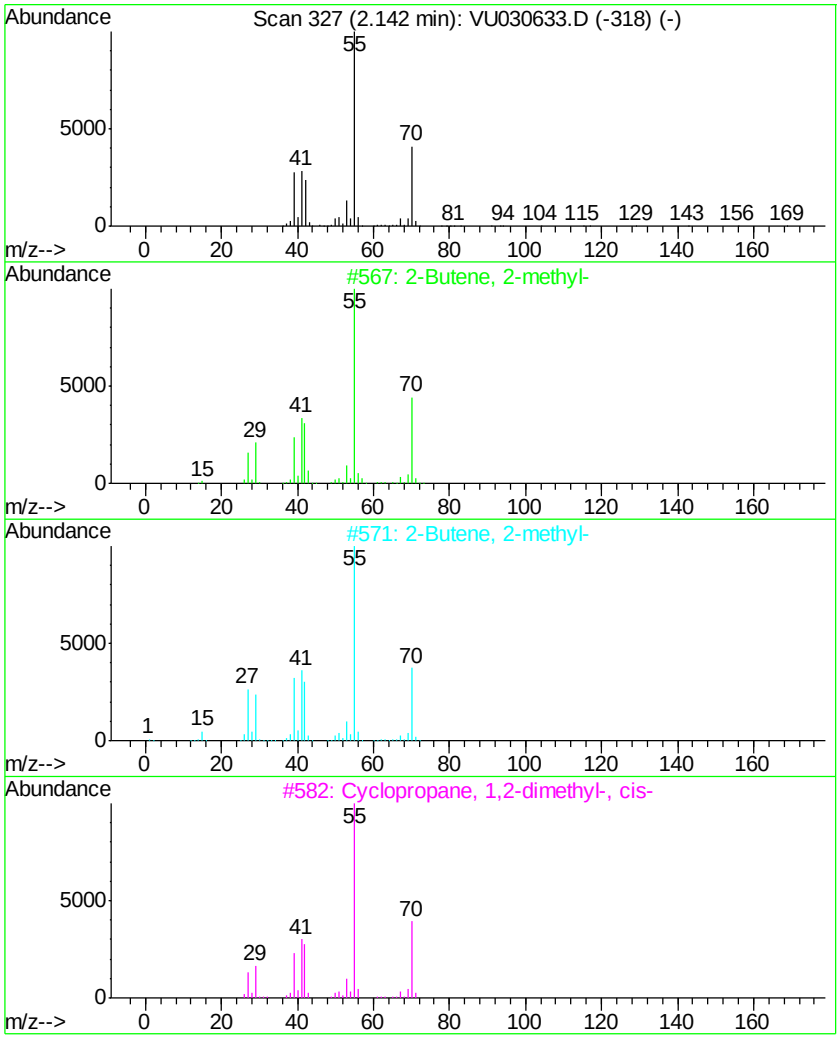
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

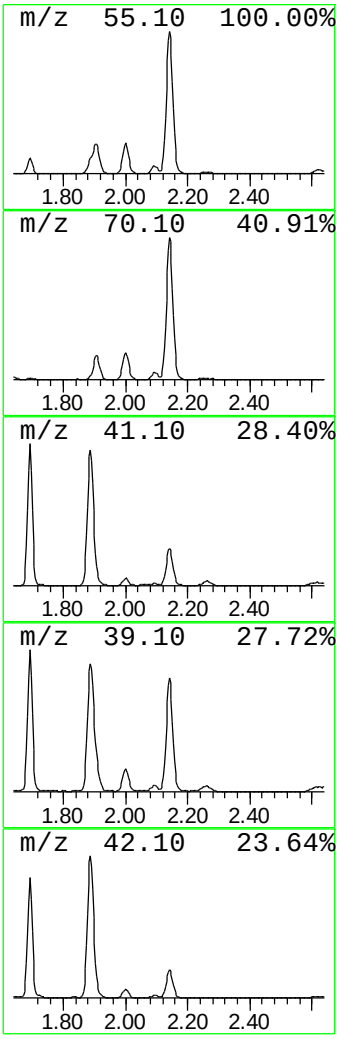
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	48.31 ug/L	1189700	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	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
4	1-Butene, 3-methyl-	70	C5H10	000563-45-1	86
5	2-Methyl-1-butene	70	C5H10	000563-46-2	86





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Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

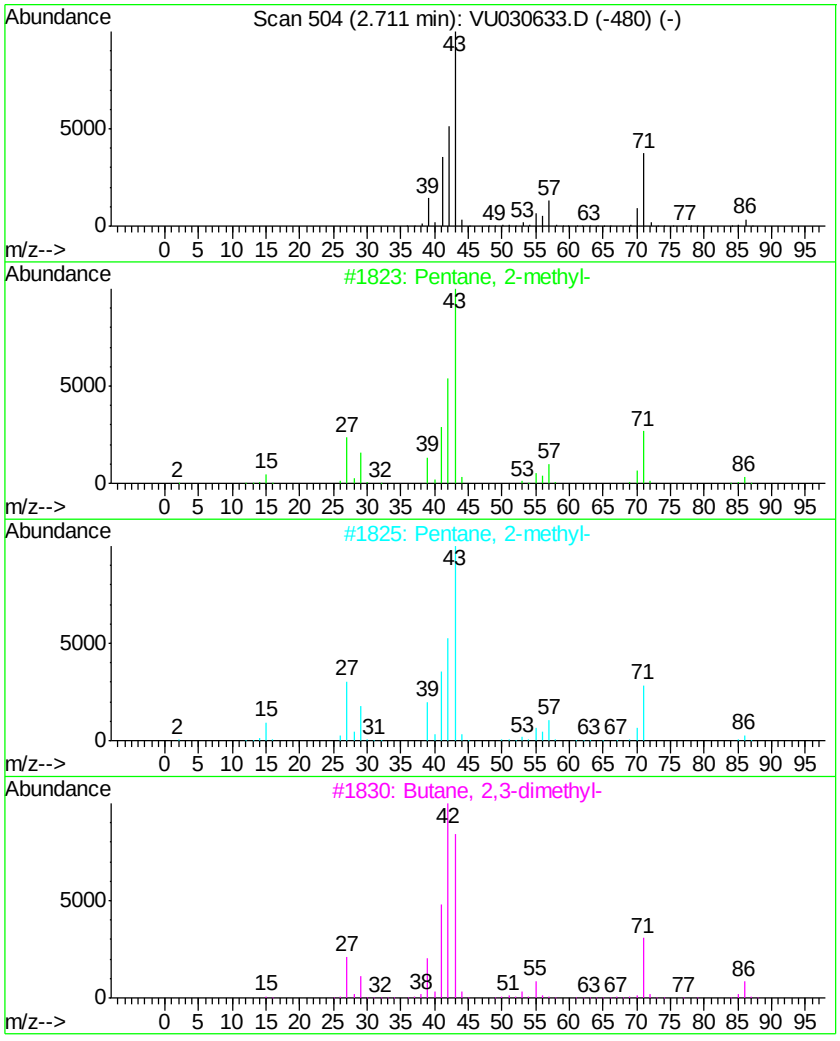
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

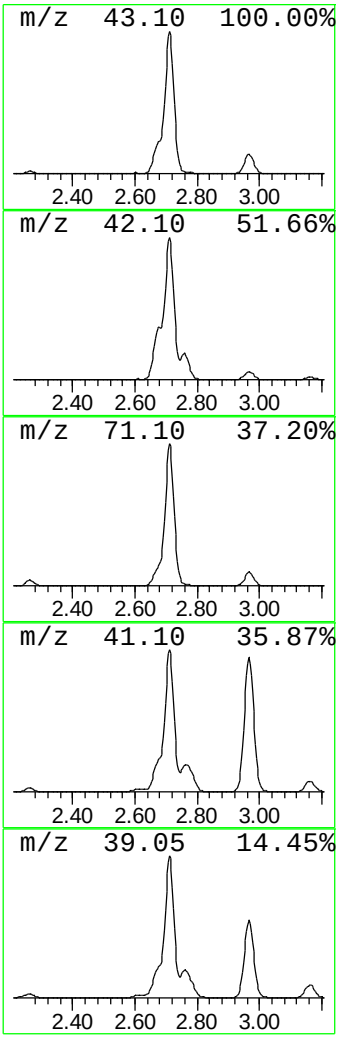
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	275.19 ug/L	6776920	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	43
4	Pentane	72	C5H12	000109-66-0	40
5	Pentane	72	C5H12	000109-66-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
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Operator : JC/SP
Sample : K2168-13
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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

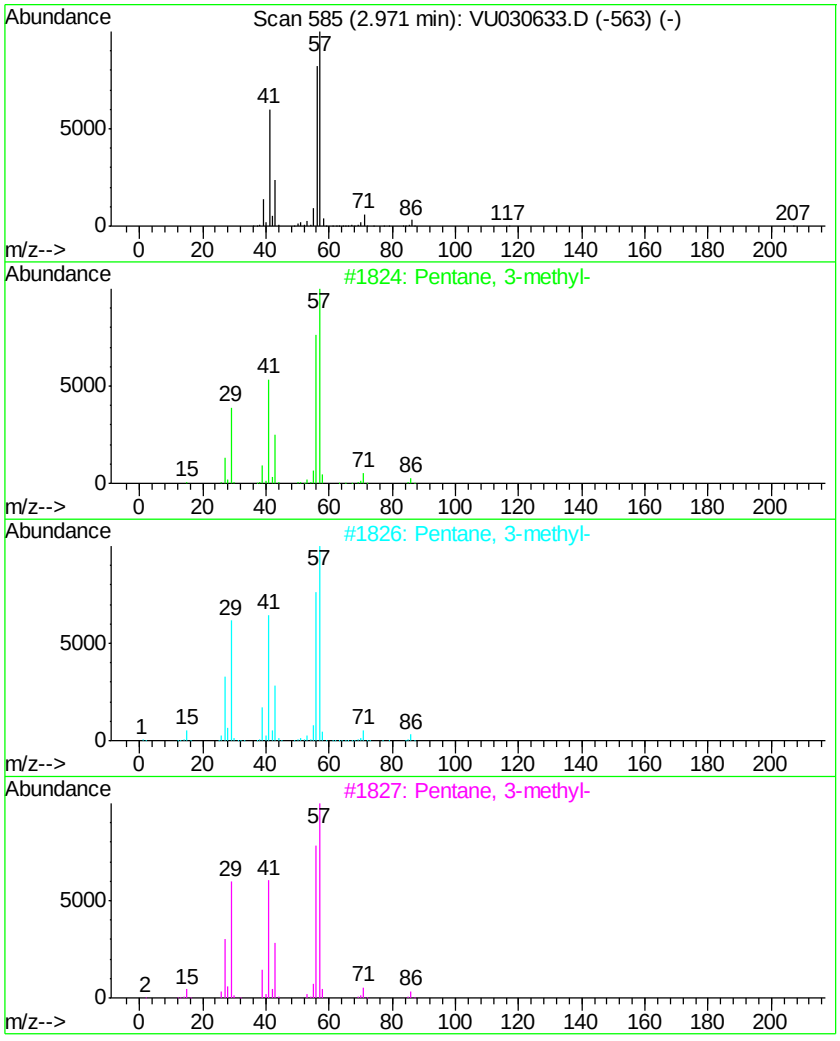
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

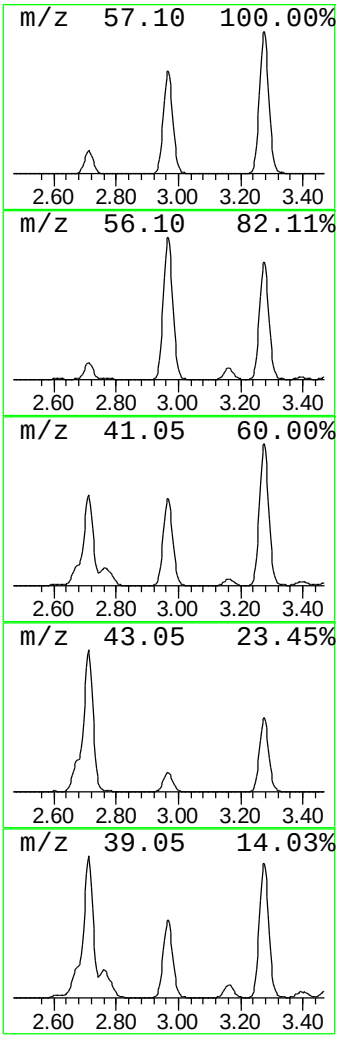
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	160.37 ug/L	3949310	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	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	50
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	40





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

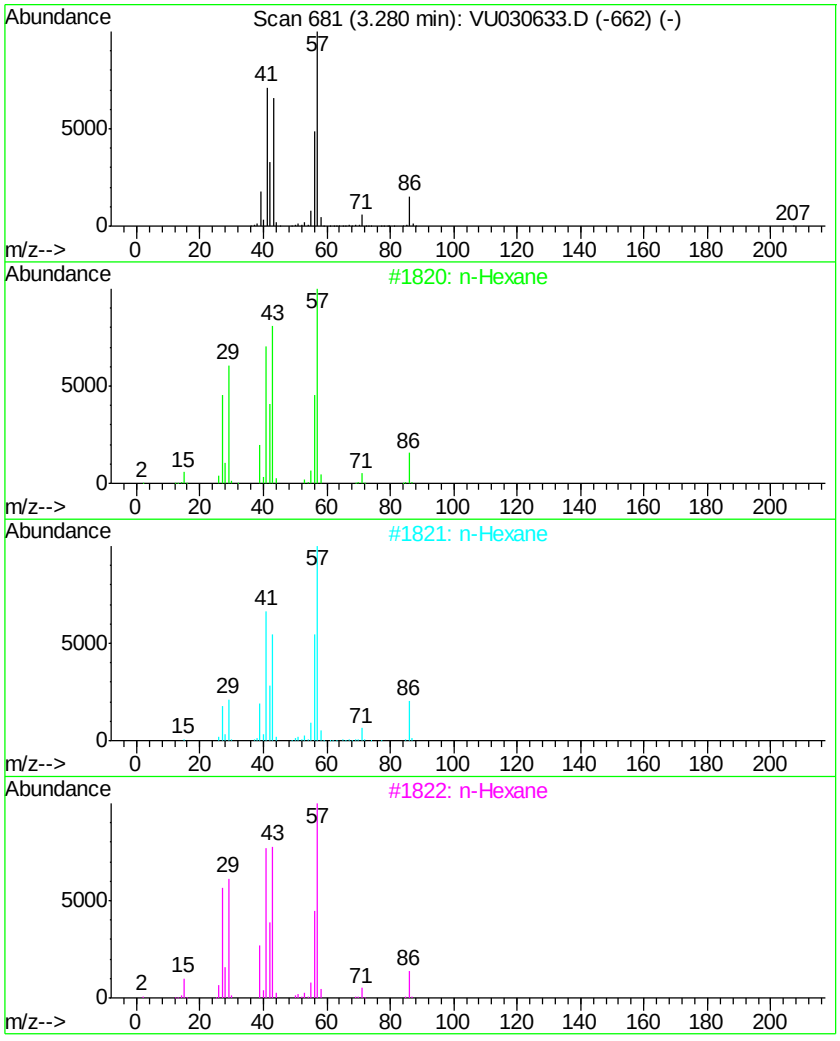
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

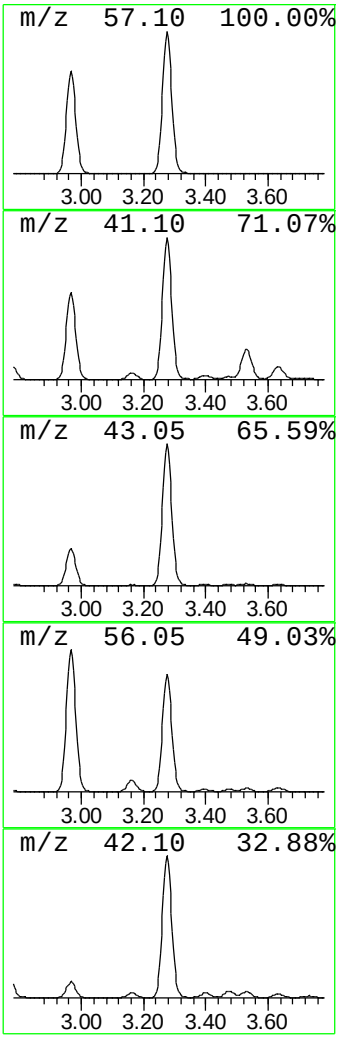
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.28	261.40 ug/L	6437440	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	42
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

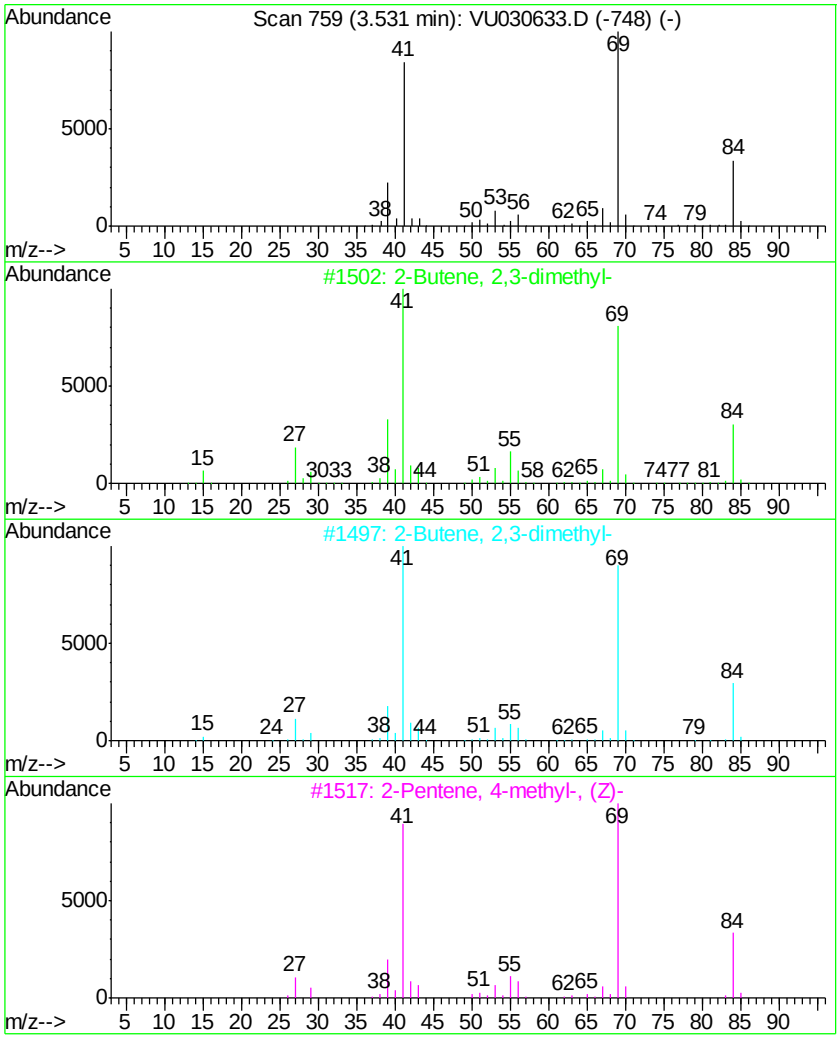
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

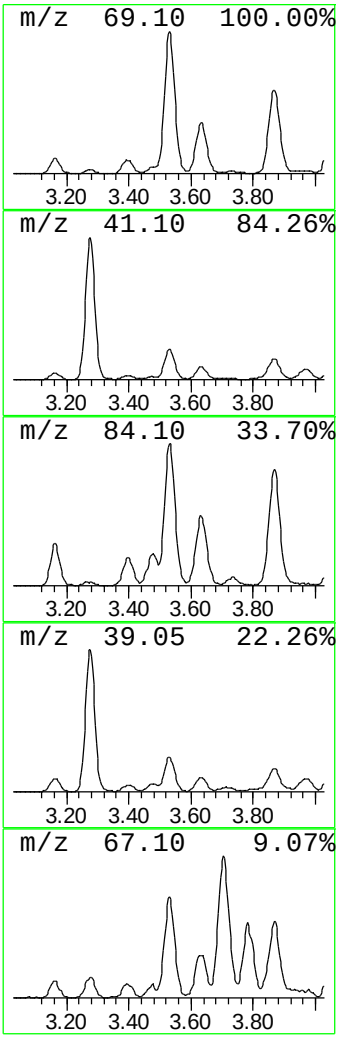
****

Peak Number 7 (DEL) Alkane: Cyclic3.53 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	44.59 ug/L	1098190	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	90
3	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	86
4	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	86
5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	86





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

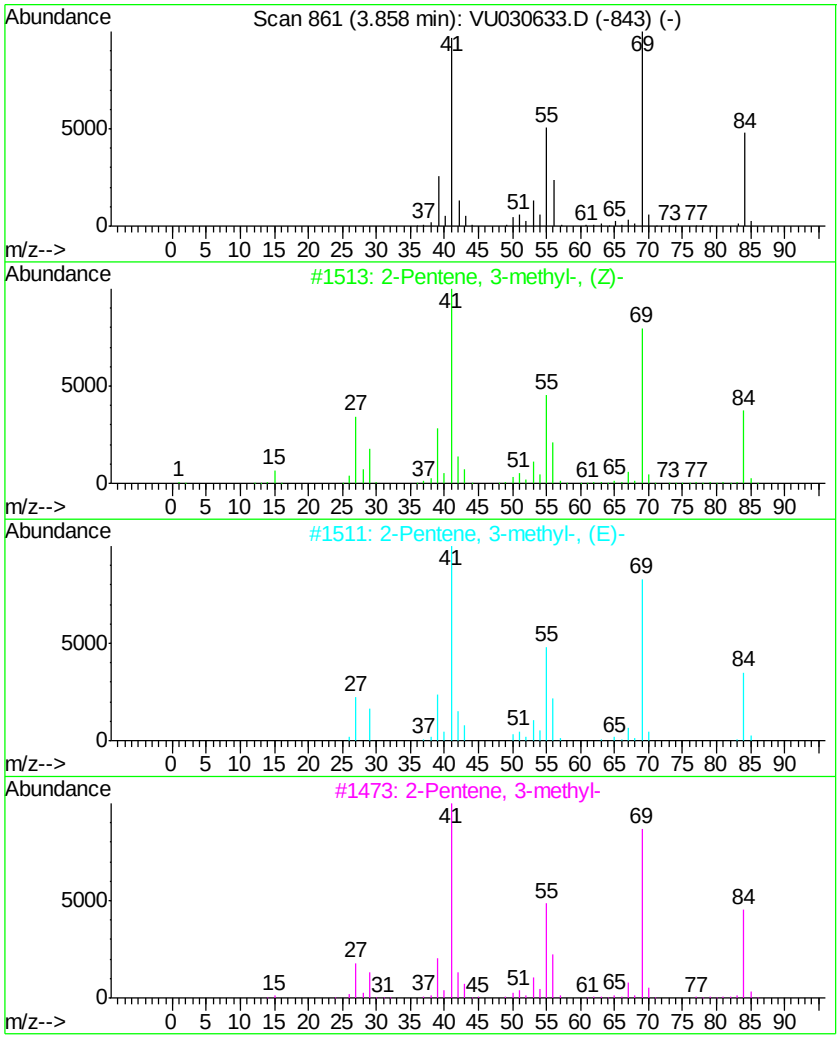
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

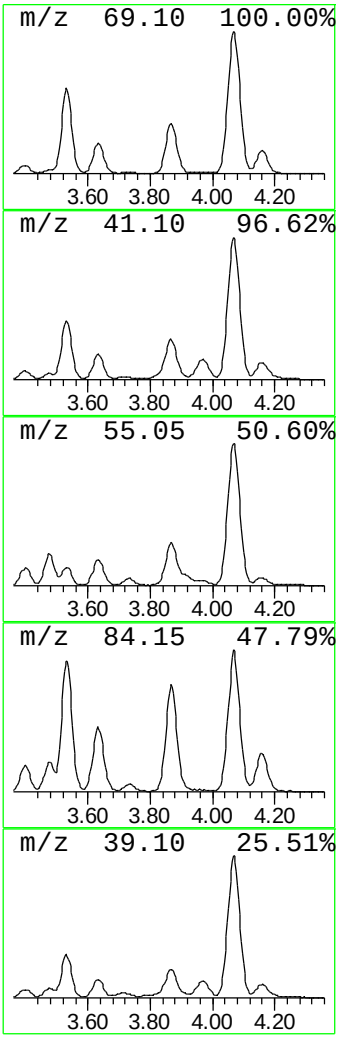
****

Peak Number 8 (DEL) Alkane: Cyclic3.86 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.86	46.96 ug/L	1156390	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	91
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-, (Z)-	84	C6H12	000922-62-3	91





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

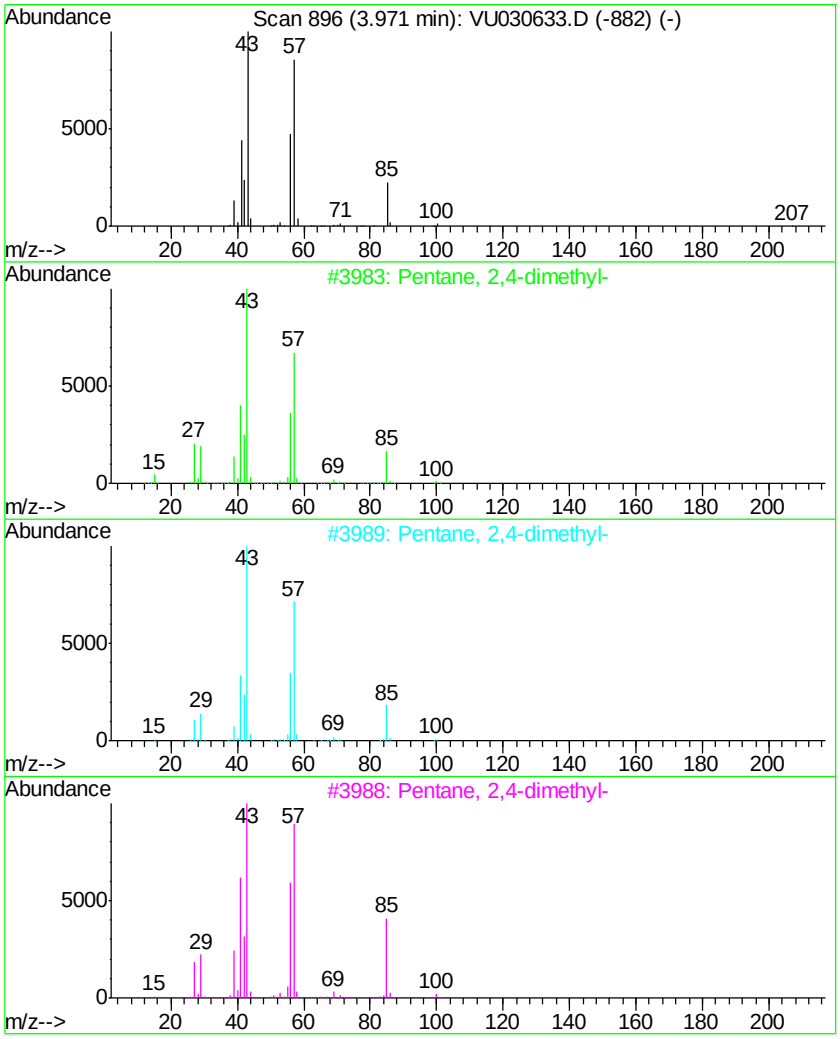
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

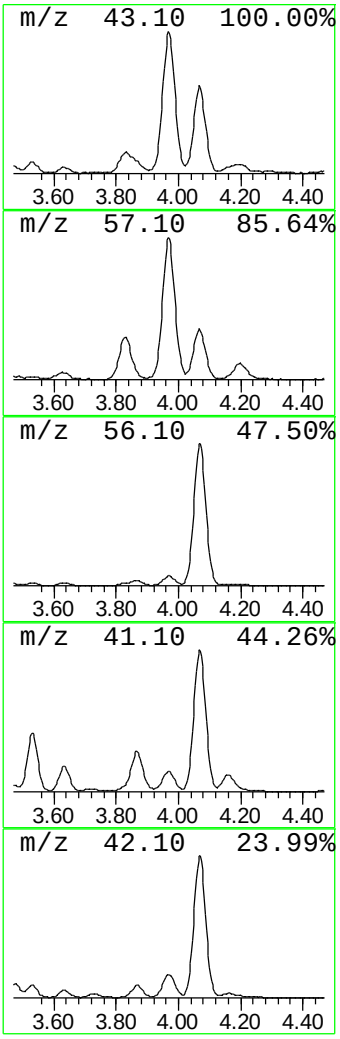
****

Peak Number 9 (DEL) Alkane: Cyclic3.97 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	35.99 ug/L	886218	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

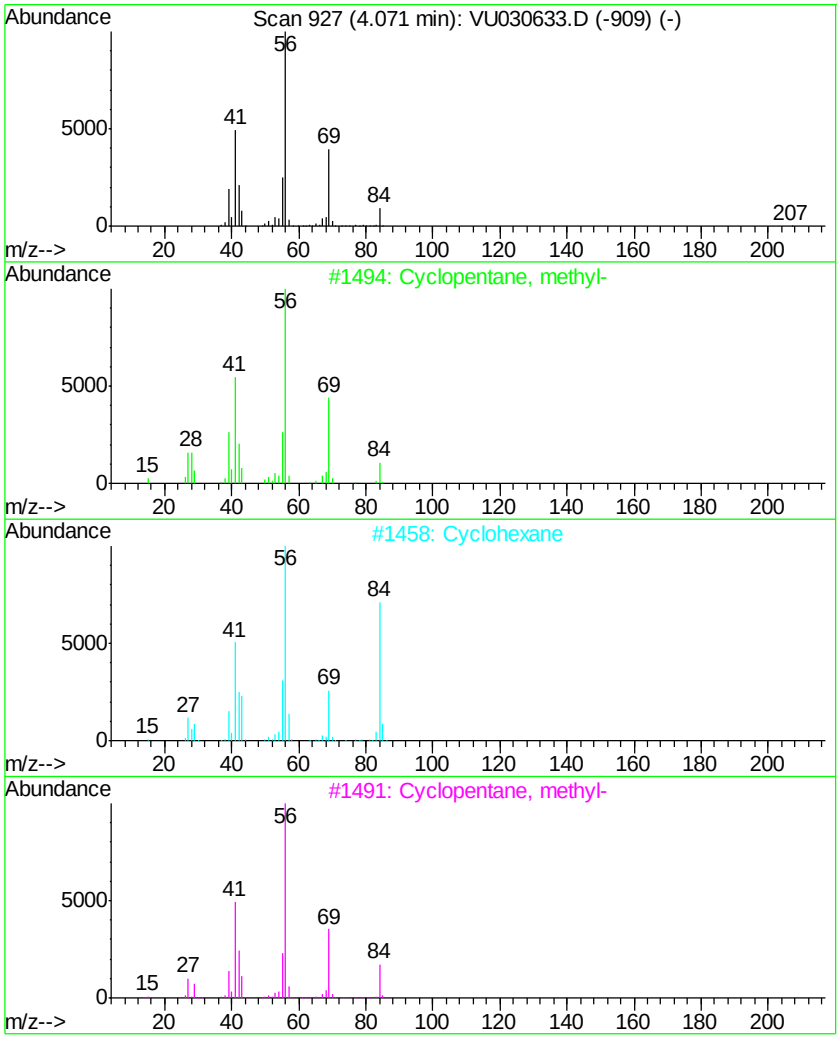
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

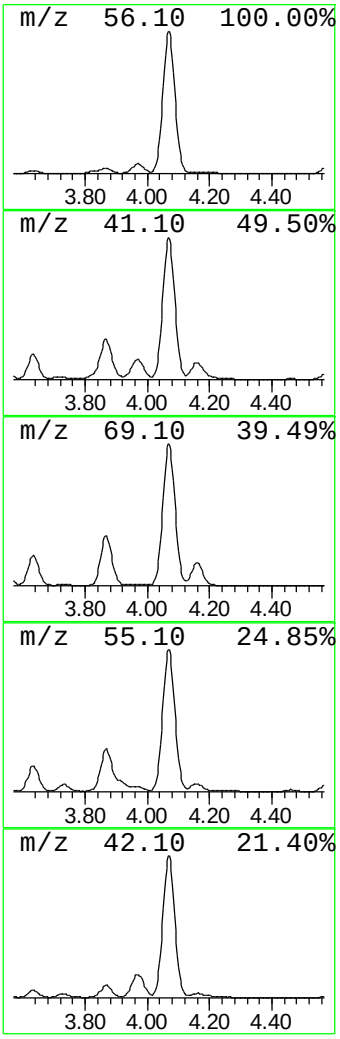
****

Peak Number 10 (DEL) Alkane: Cyclic4.07 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	199.76 ug/L	4919530	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	83
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

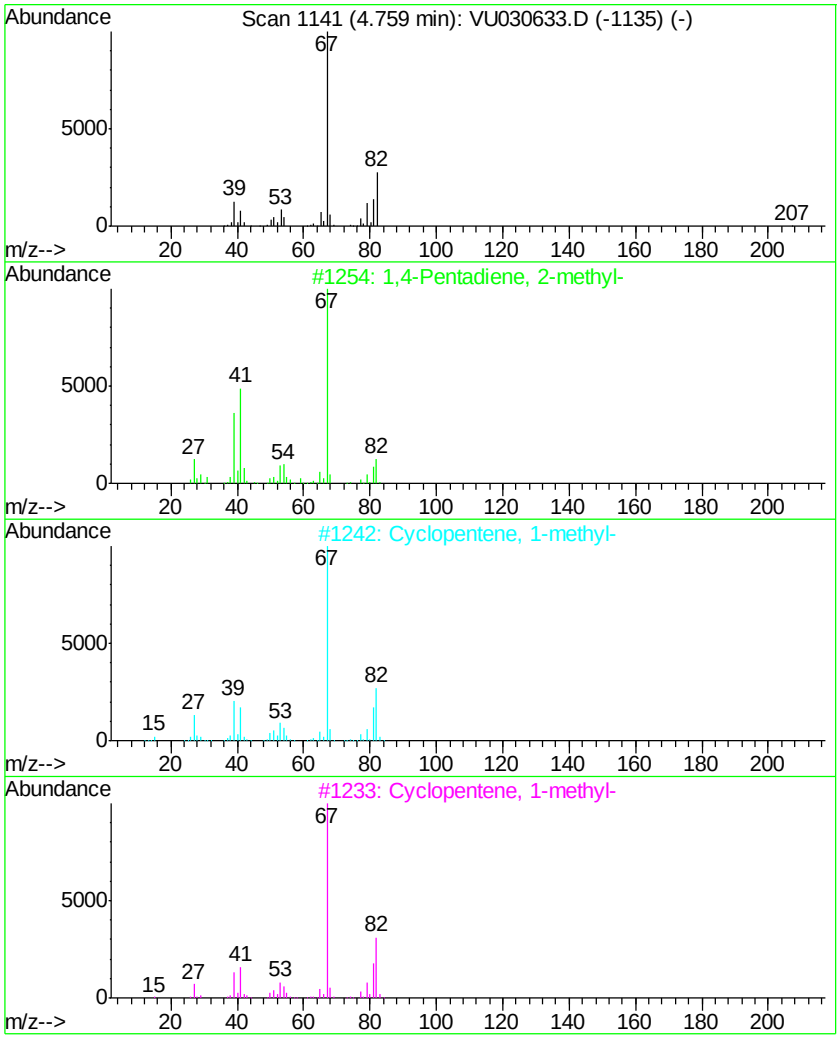
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

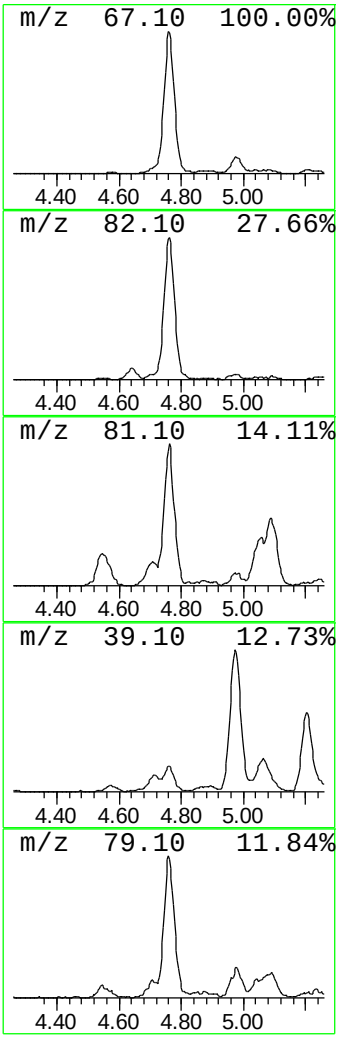
****

Peak Number 11 1,4-Pentadiene, 2-methyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	33.03 ug/L	813328	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	91
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	86





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

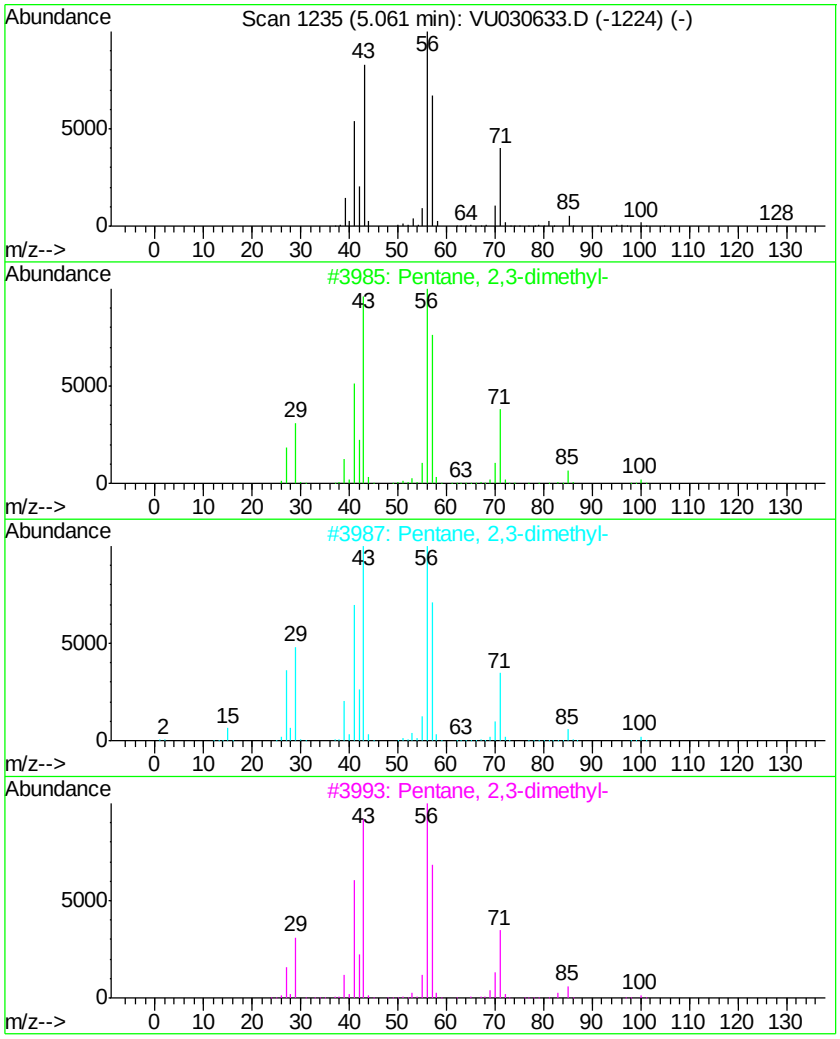
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

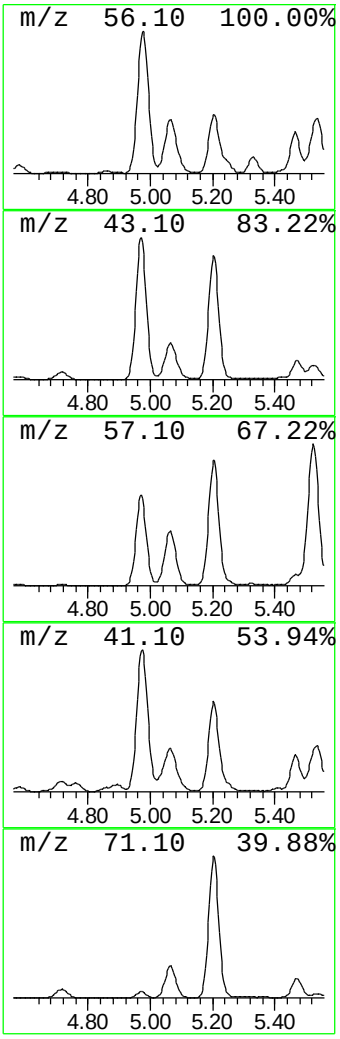
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	97.42 ug/L	2399100	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	52
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	38





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

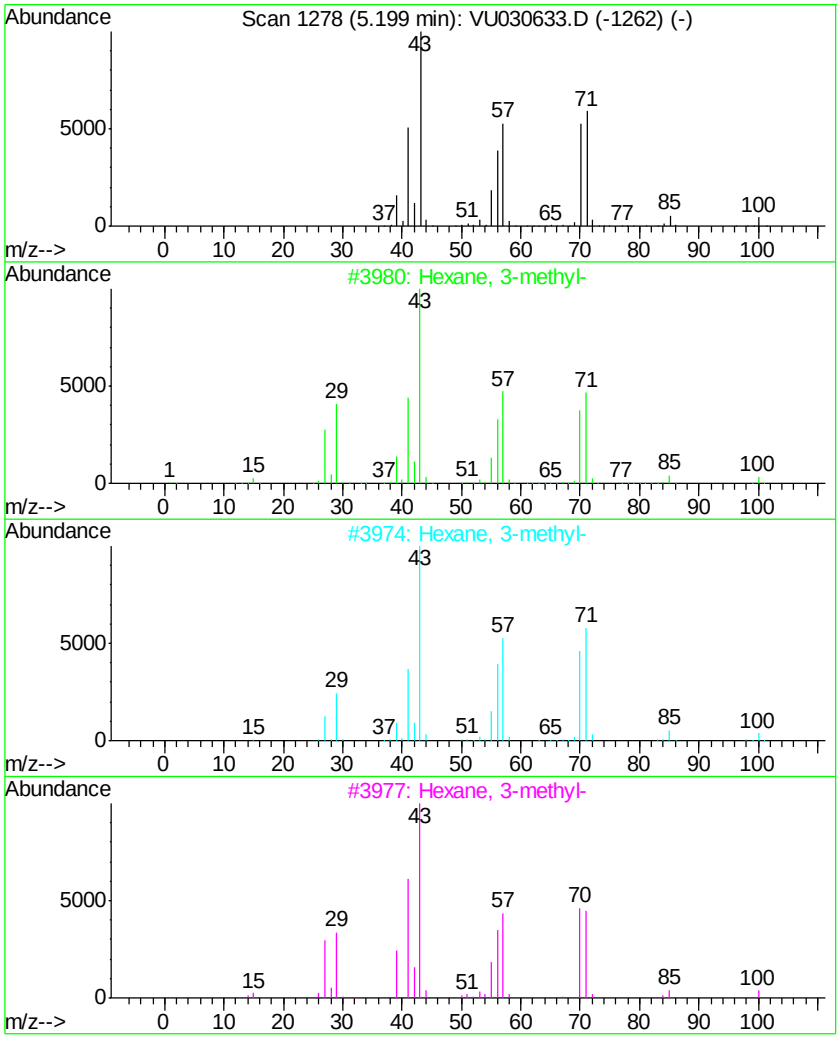
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

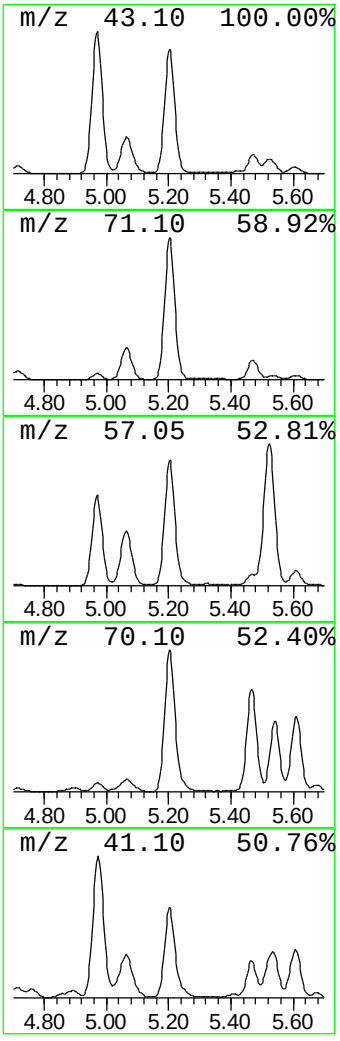
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	212.07 ug/L	5222700	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4	Heptane	100	C7H16	000142-82-5	80
5	Heptane	100	C7H16	000142-82-5	64





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

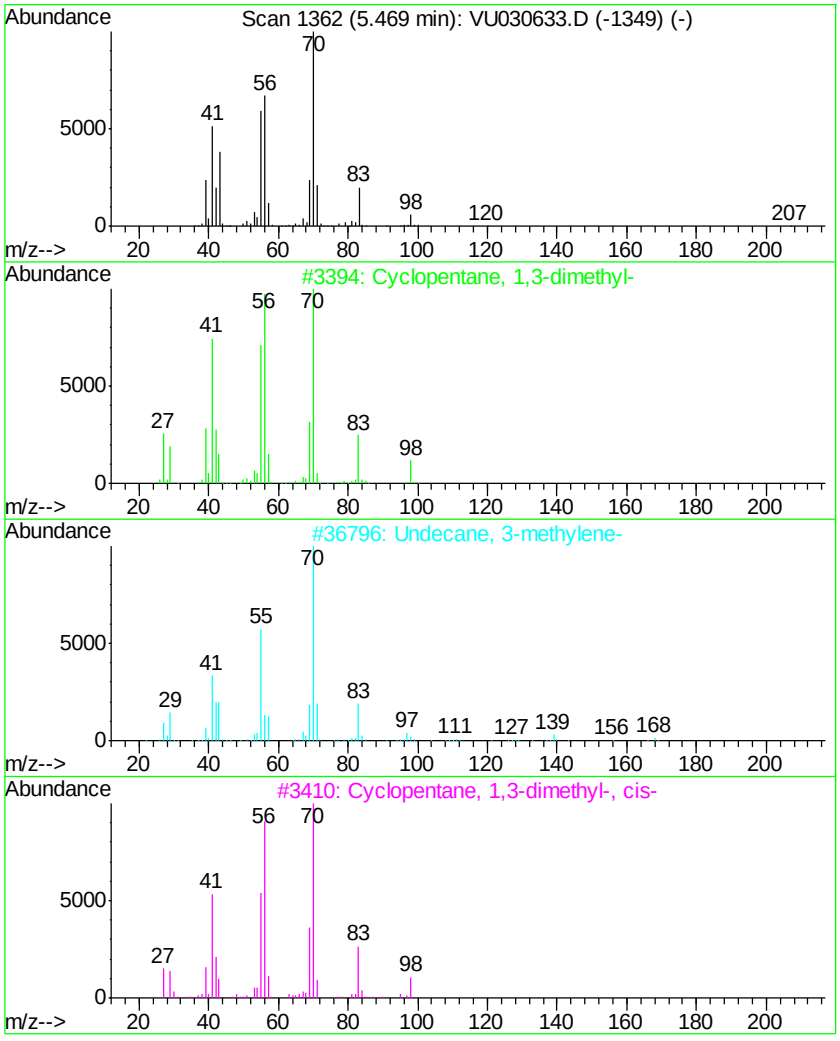
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

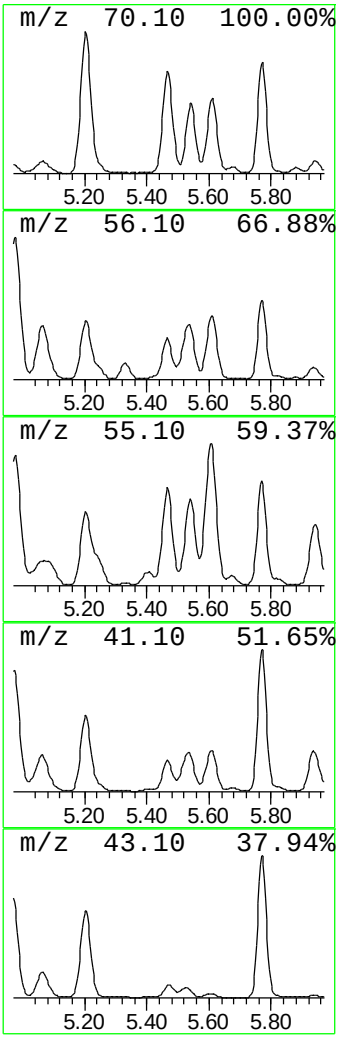
****

Peak Number 14 (DEL) Alkane: Cyclic5.47 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	75.48 ug/L	1858930	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	78
2	Undecane, 3-methylene-	168	C12H24	071138-64-2	72
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	72
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	64
5	1-Heptanol	116	C7H16O	000111-70-6	59





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Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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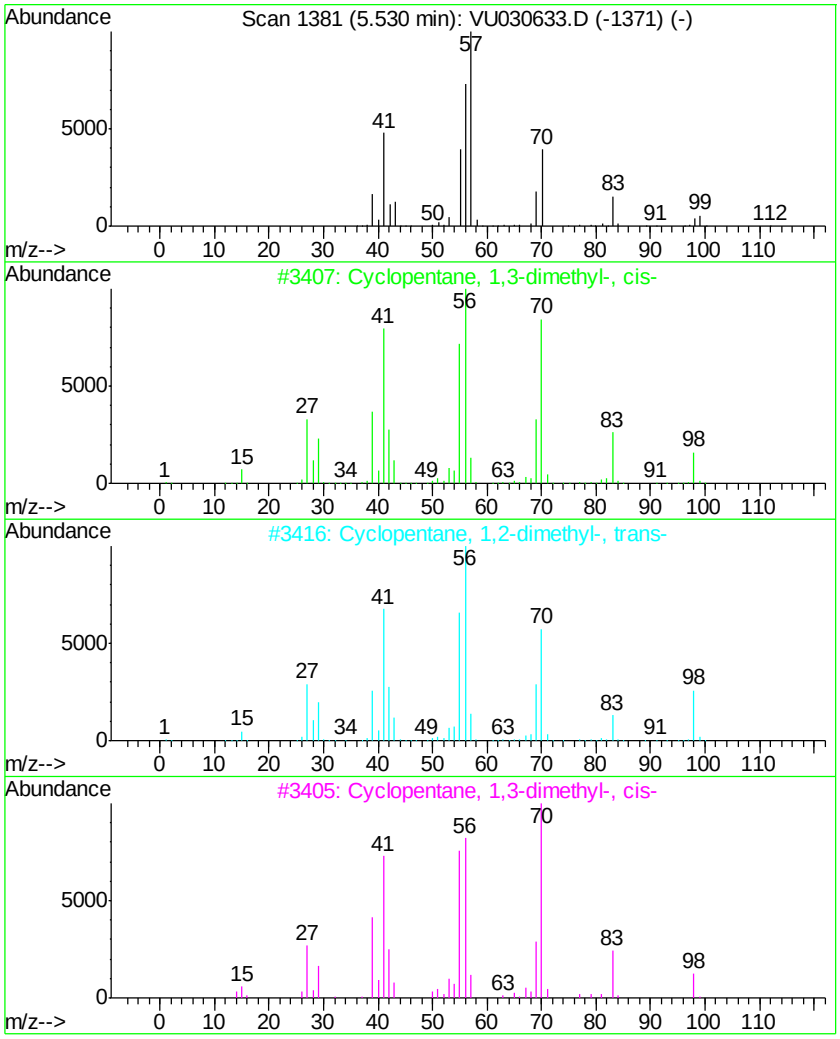
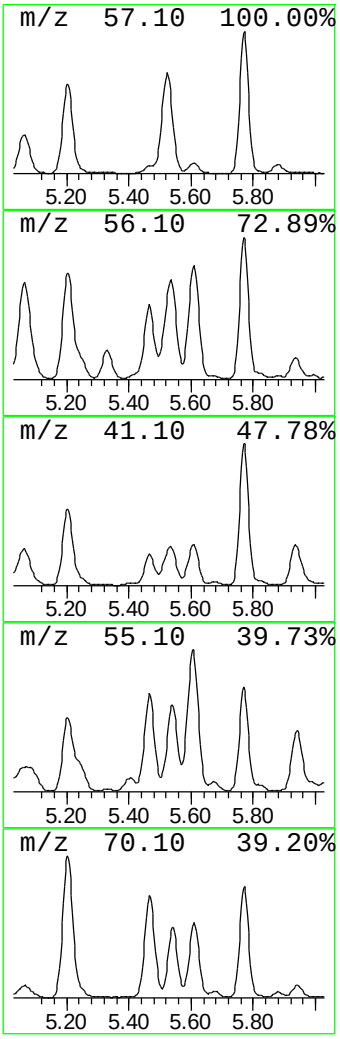
Peak Number 15 (DEL) Alkane: Cyclic5.53 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	108.25 ug/L	2665950	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	52
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	50
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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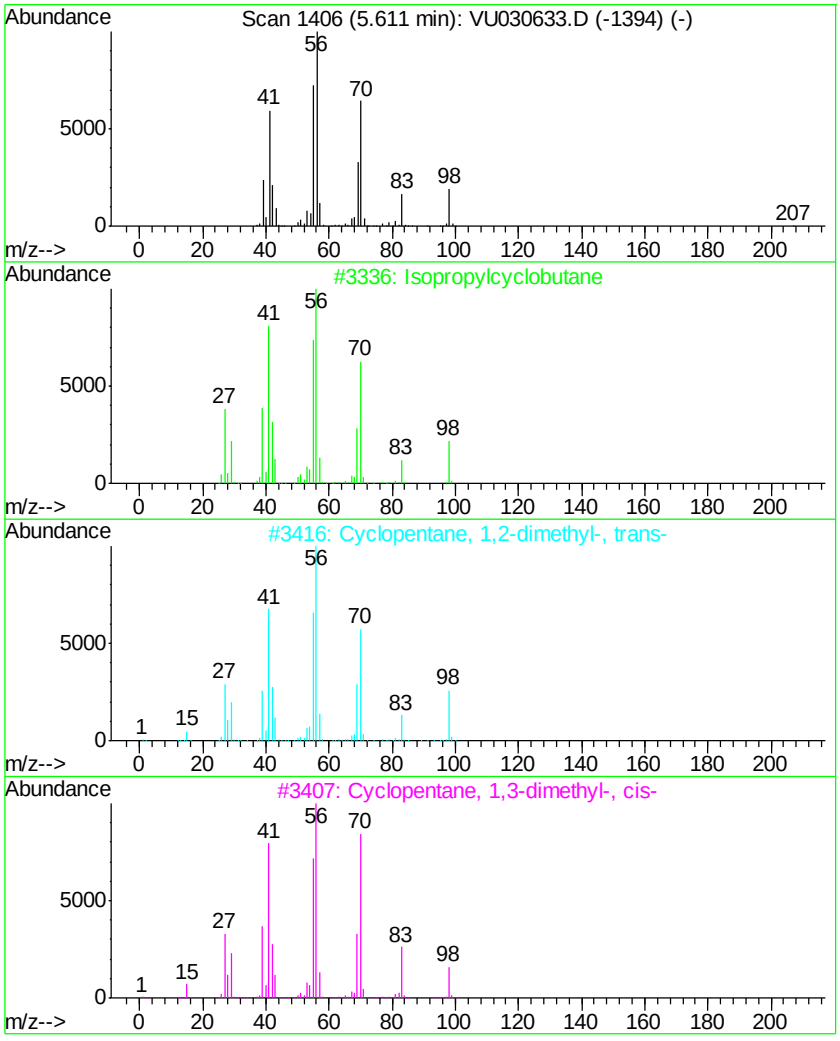
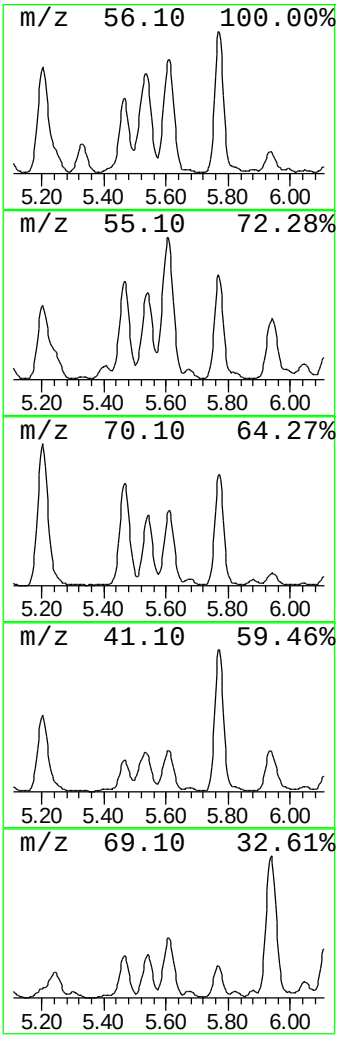
Peak Number 16 (DEL) Alkane: Cyclic5.61 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	97.26 ug/L	2395290	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	90
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	83
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

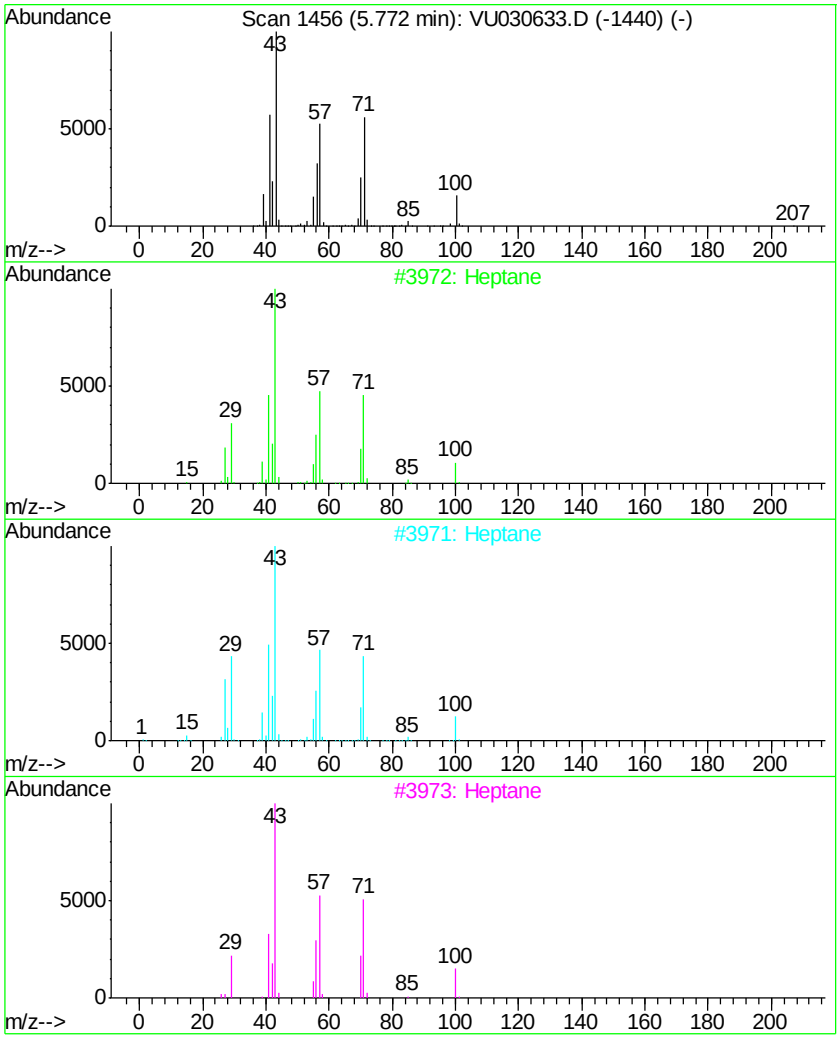
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

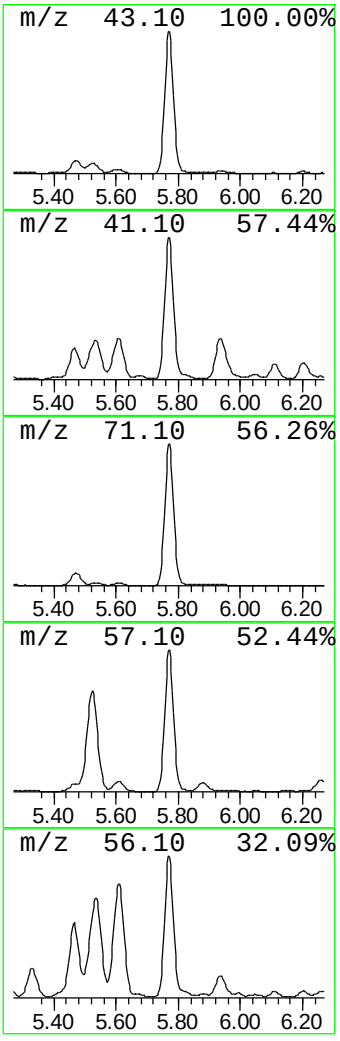
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	274.79 ug/L	6767250	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	94
2	Heptane	100	C7H16	000142-82-5	94
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	87
5	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	50





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

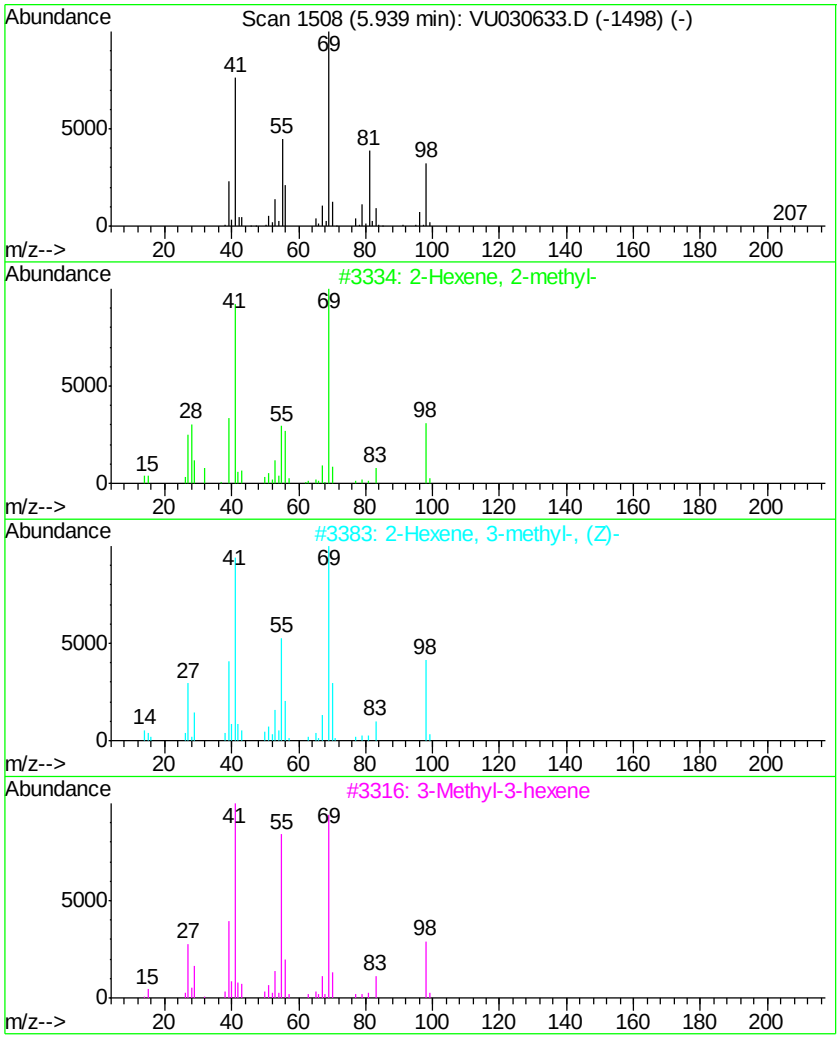
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

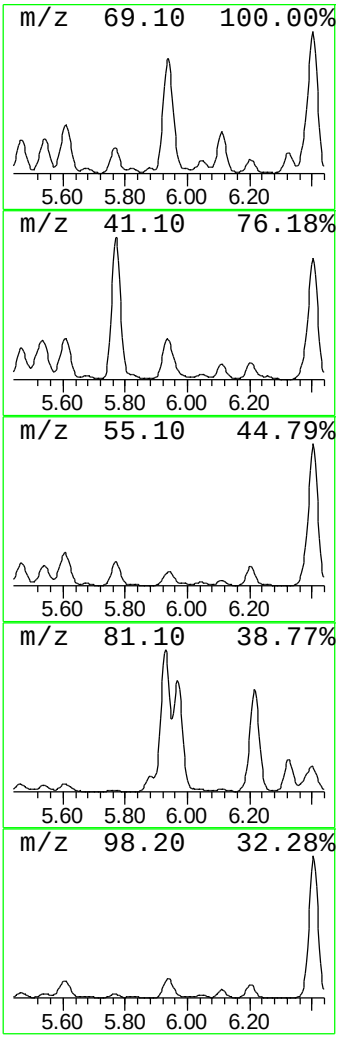
****

Peak Number 18 (DEL) Alkane: Cyclic5.94 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	96.69 ug/L	2381090	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	93
2	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	81
3	3-Methyl-3-hexene	98	C7H14	003404-65-7	81
4	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	74
5	3-Hexene, 3-methyl-, (E)-	98	C7H14	003899-36-3	68





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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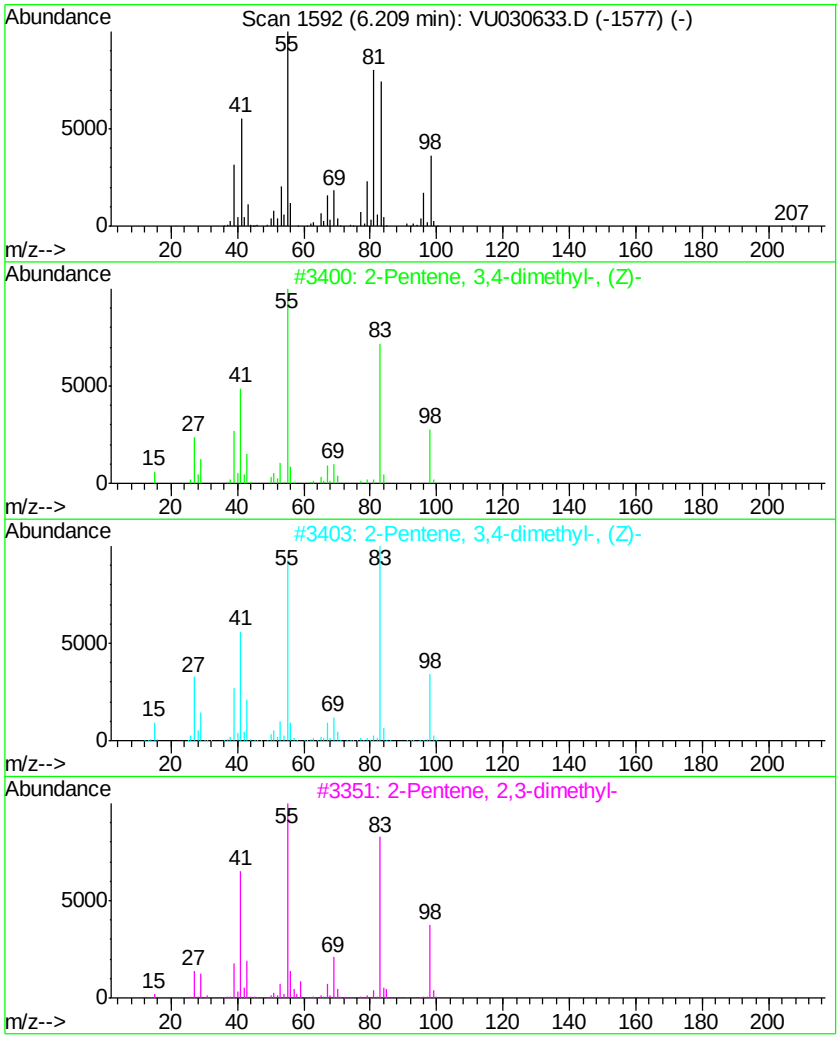
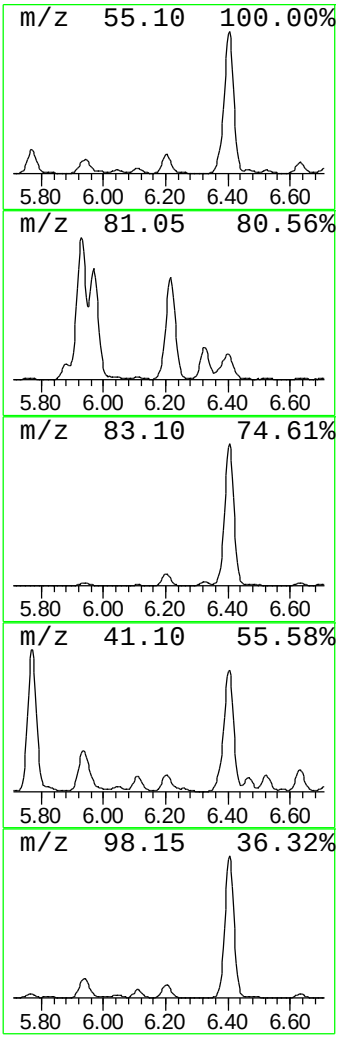
Peak Number 19 (DEL) Alkane: Cyclic6.21 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	52.31 ug/L	1288110	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	81
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	81
3	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	74
4	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	74
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	74





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

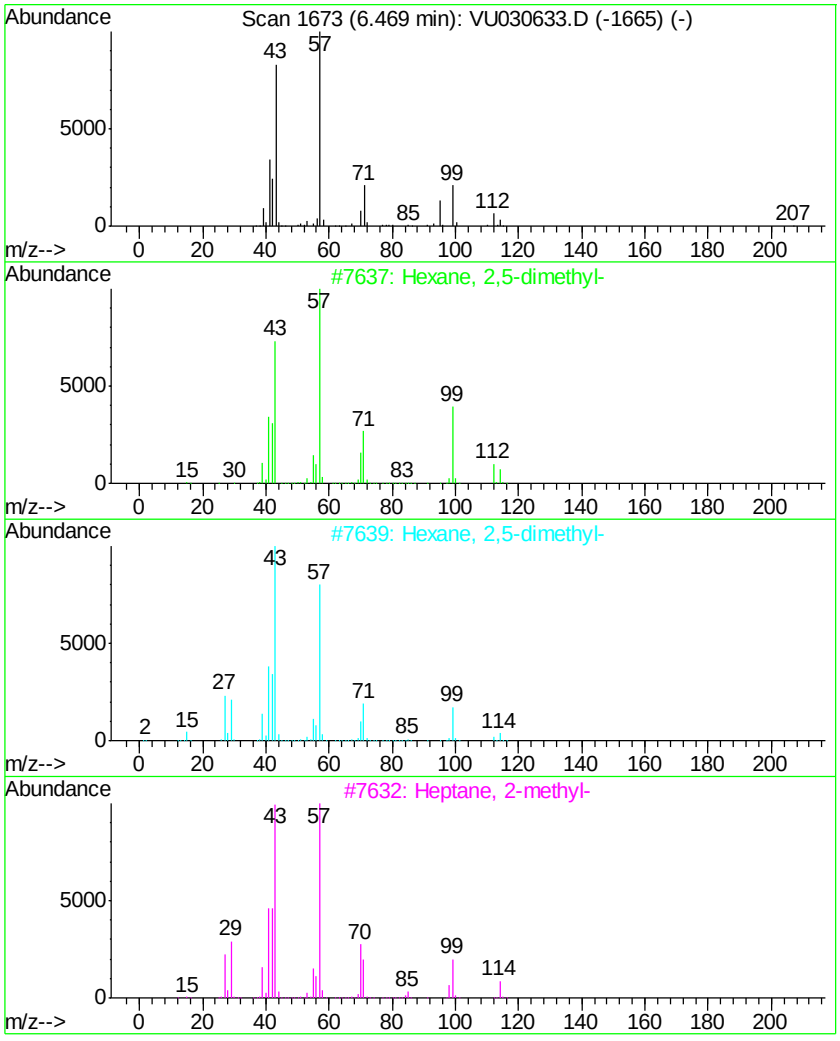
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

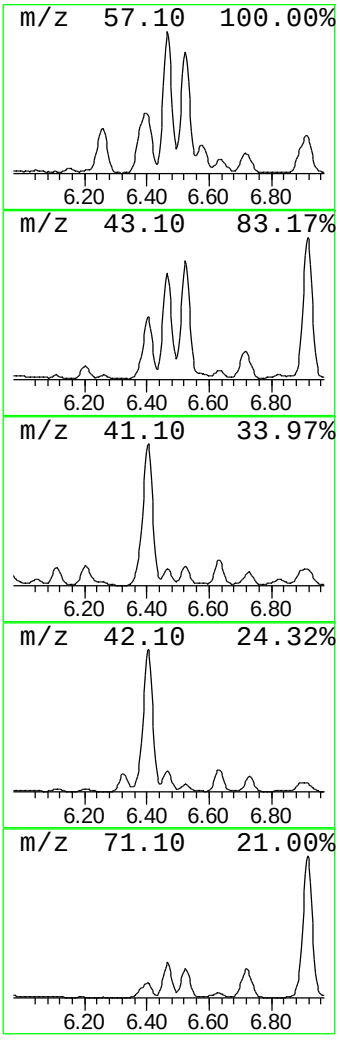
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	31.47 ug/L	774982	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	49
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	42
4	1-Pyrrolidinecarboxaldehyde	99	C5H9NO	003760-54-1	38
5	2,5-Hexanedione	114	C6H10O2	000110-13-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

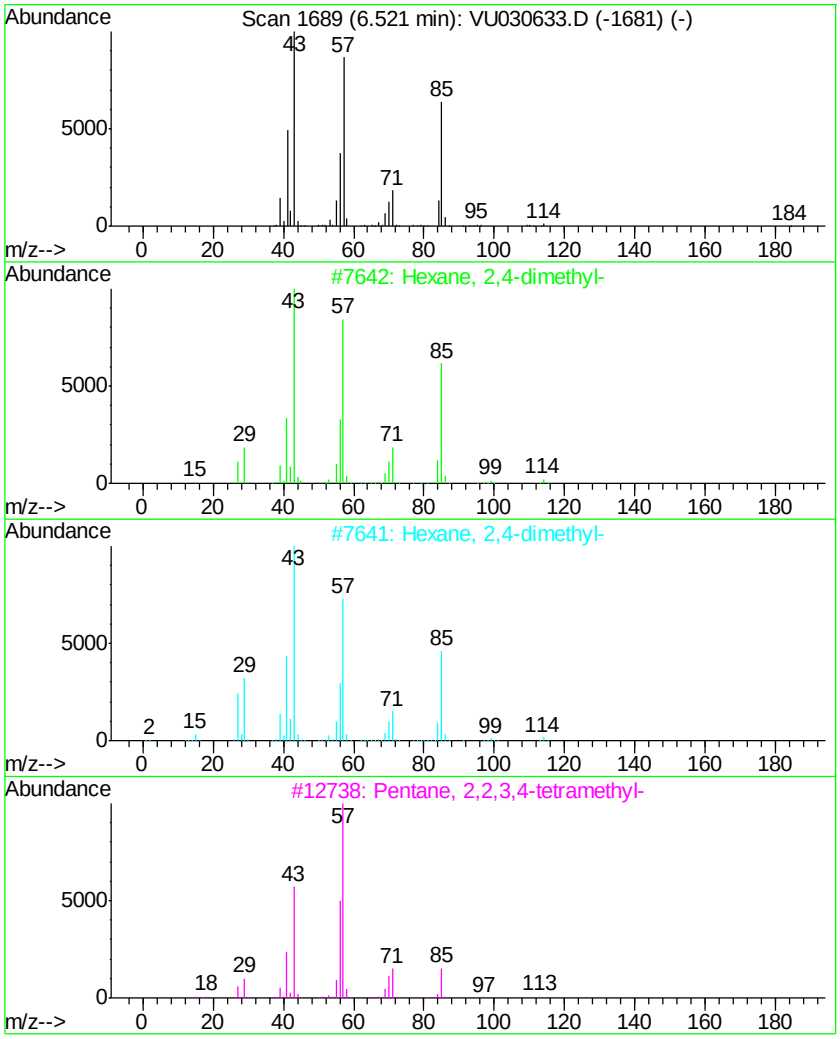
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

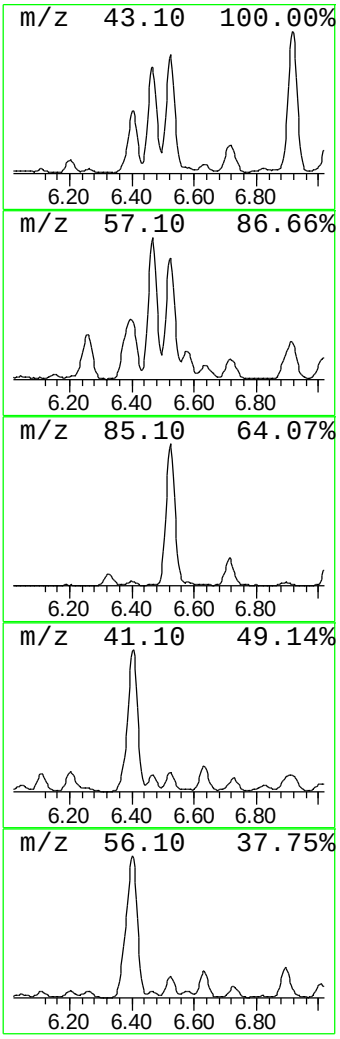
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	34.25 ug/L	843393	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	83
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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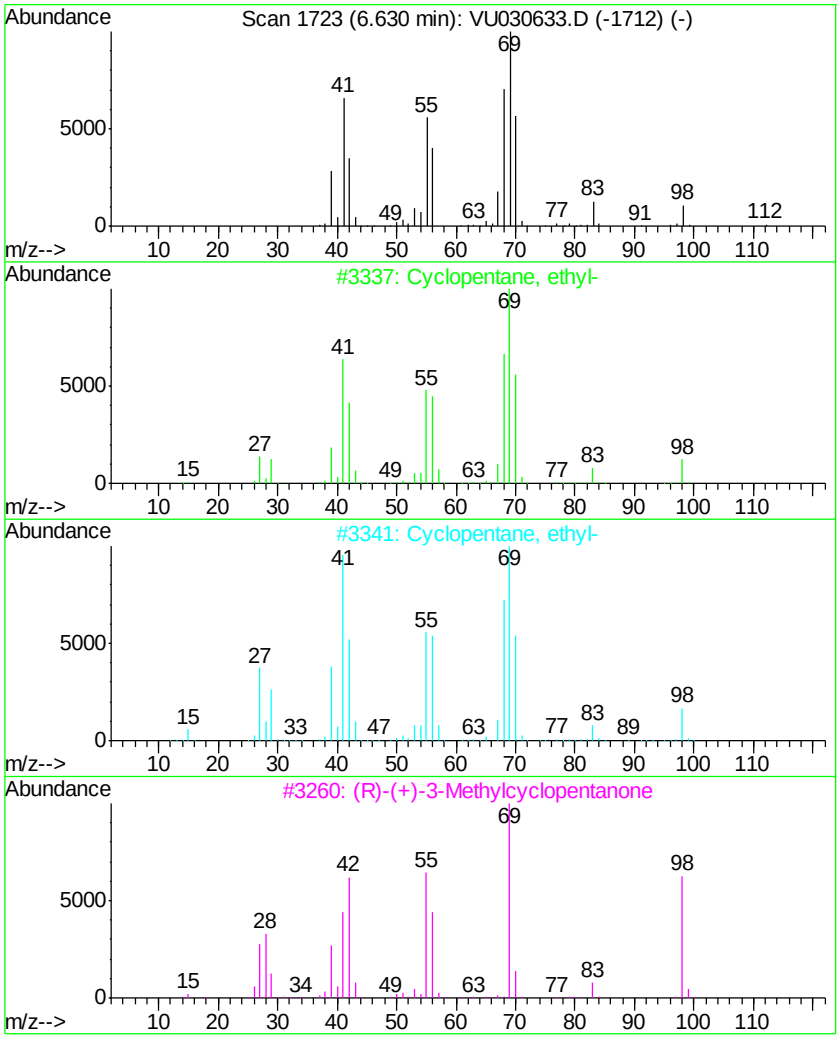
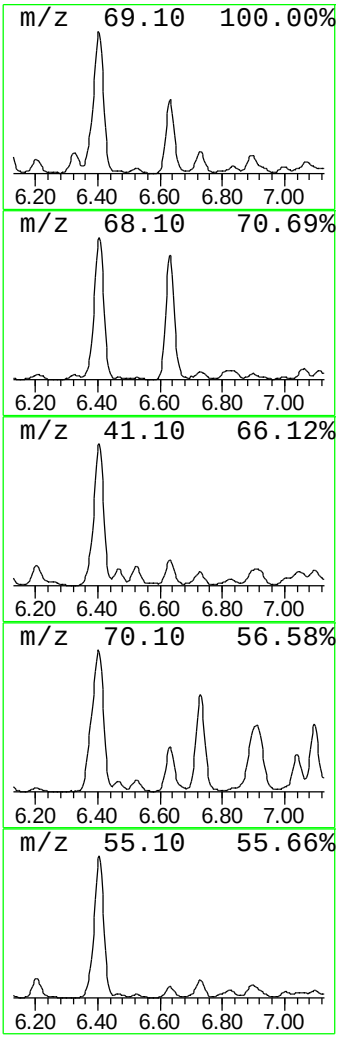
Peak Number 22 (DEL) Alkane: Cyclic6.63 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	41.19 ug/L	1014350	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	91
3	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	50
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	50
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	49





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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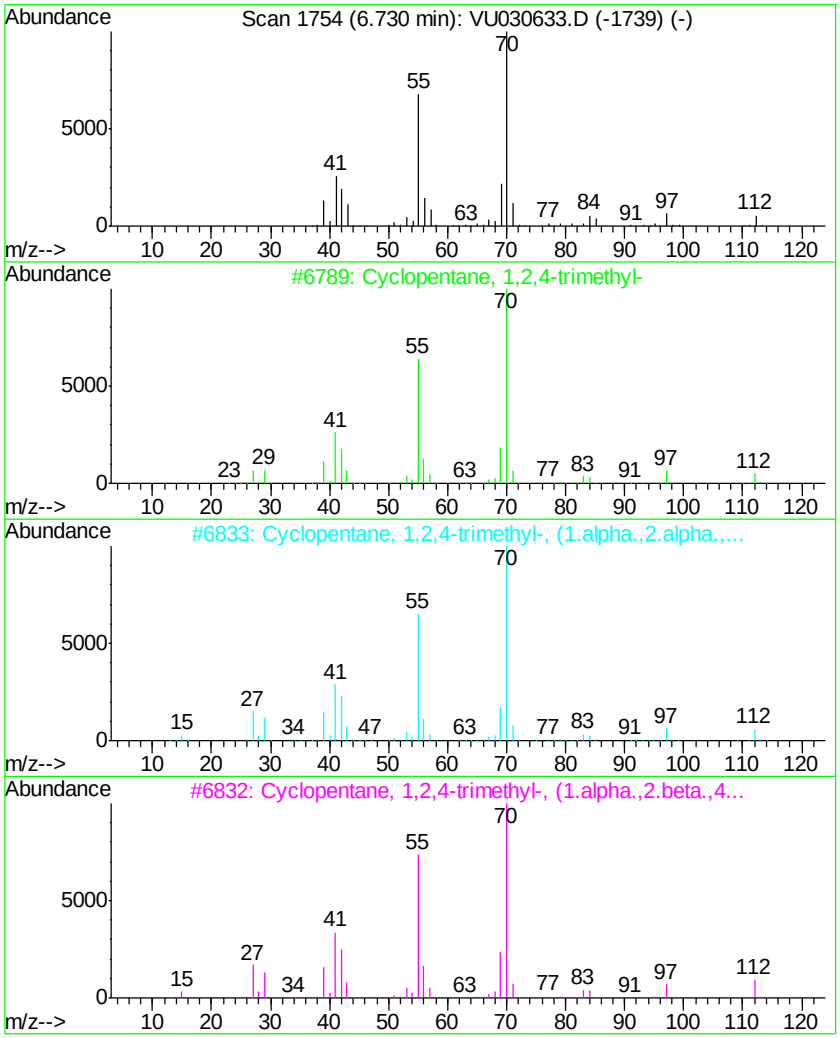
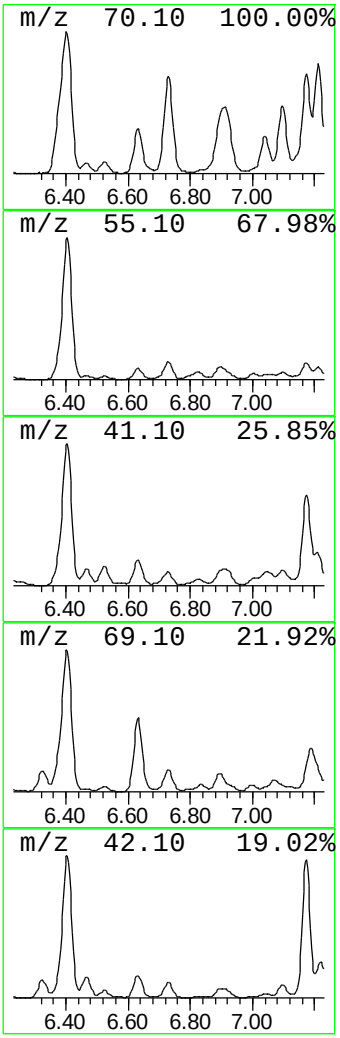
Peak Number 23 (DEL) Alkane: Cyclic6.73 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	39.84 ug/L	981069	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	86
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	86
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	83
5	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	80





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

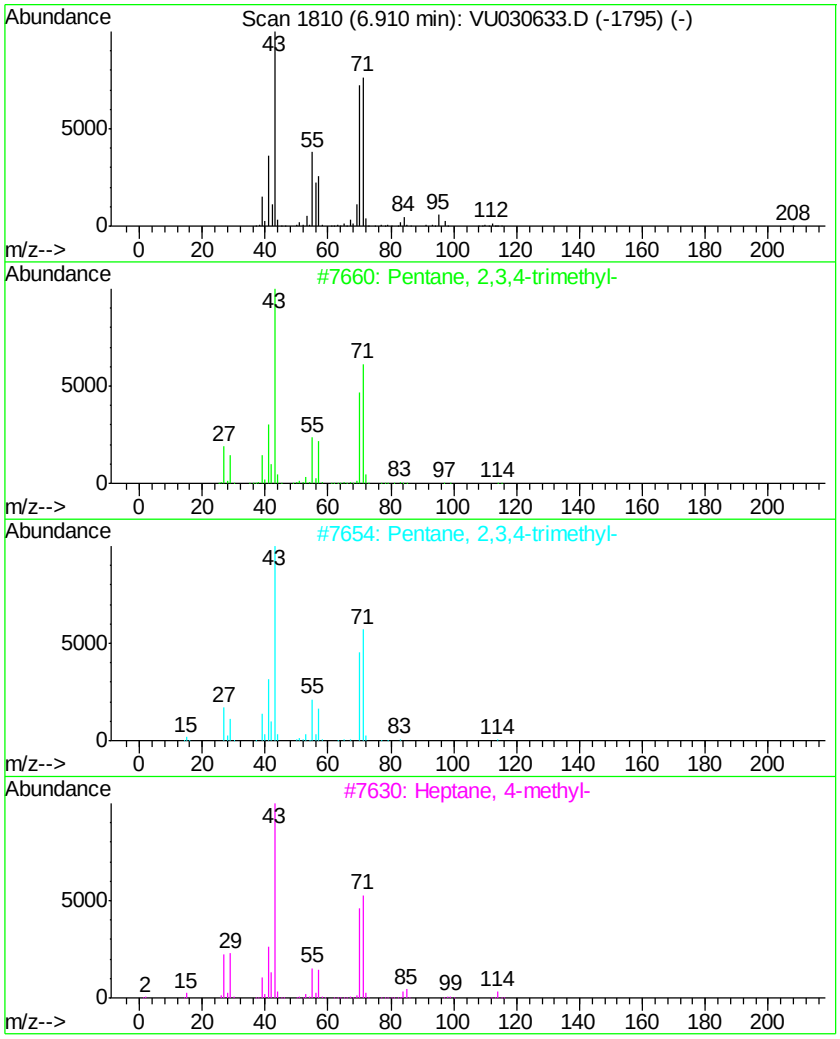
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

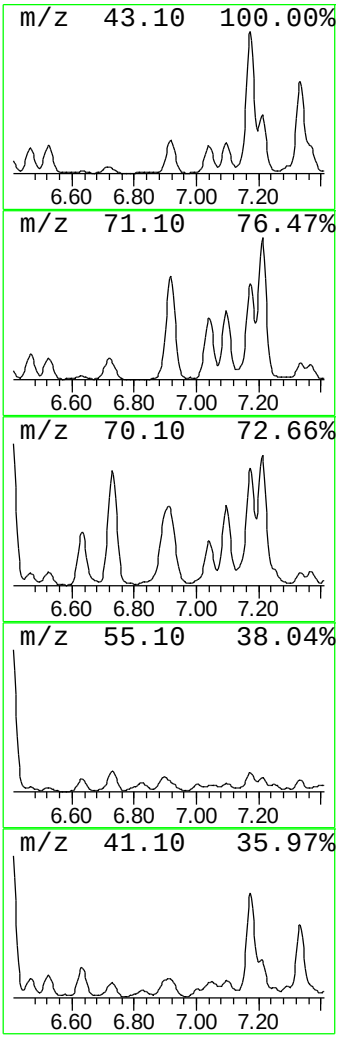
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	67.04 ug/L	1650940	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	86
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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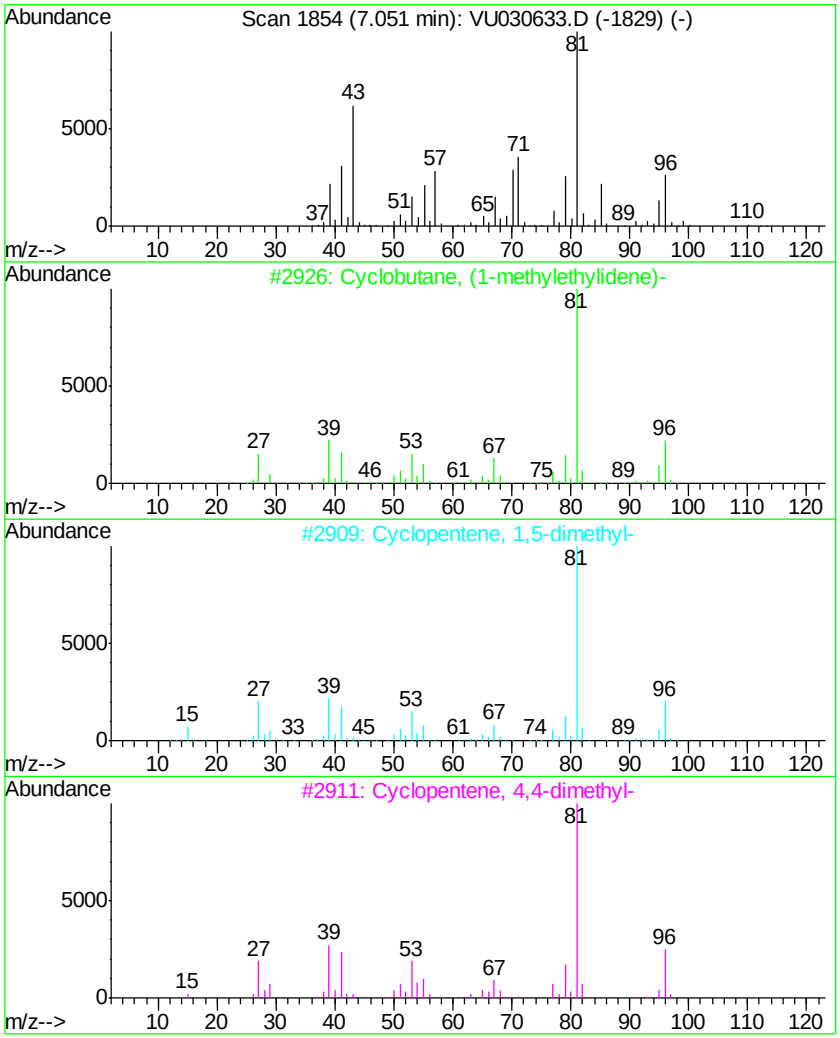
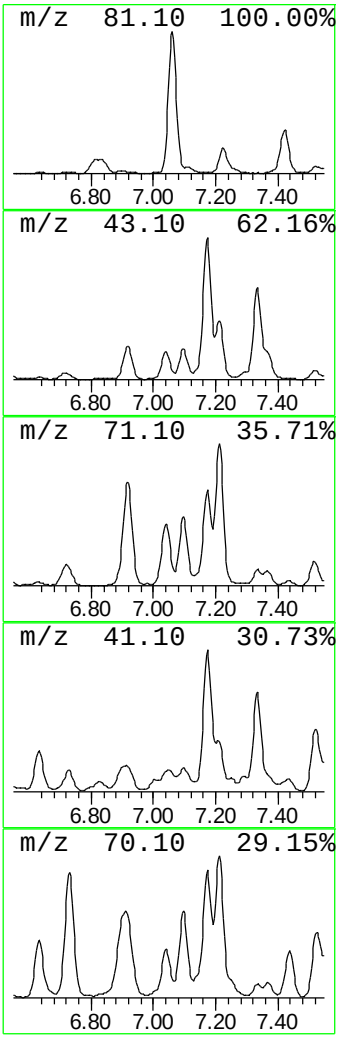
Peak Number 25 Cyclobutane, (1-methylethyl... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	77.41 ug/L	1906370	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	64
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	64
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	53
4	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	50
5	4-Methylcyclohexanol acetate	156	C9H16O2	022597-23-5	47





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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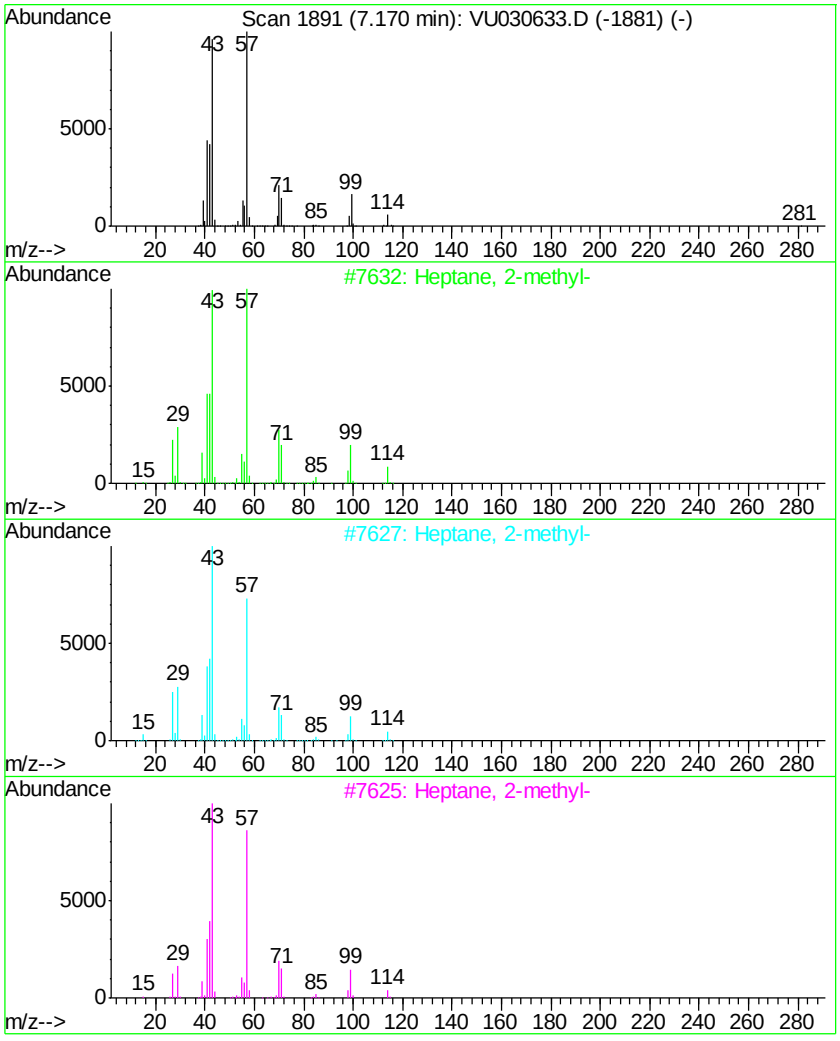
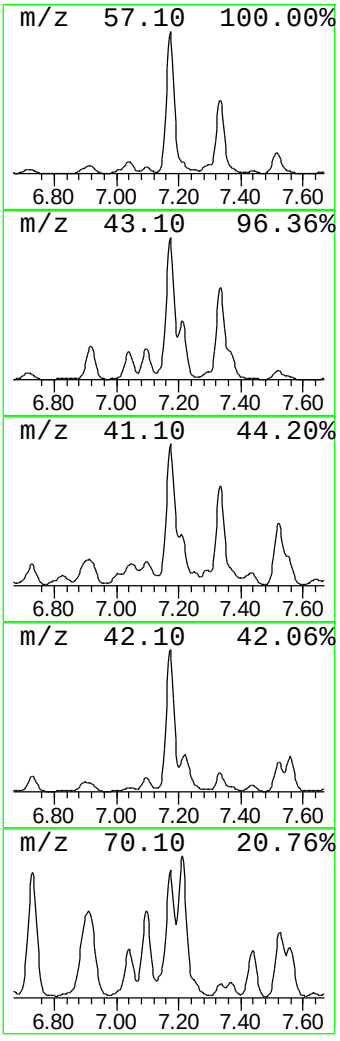
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	147.87 ug/L	3641440	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

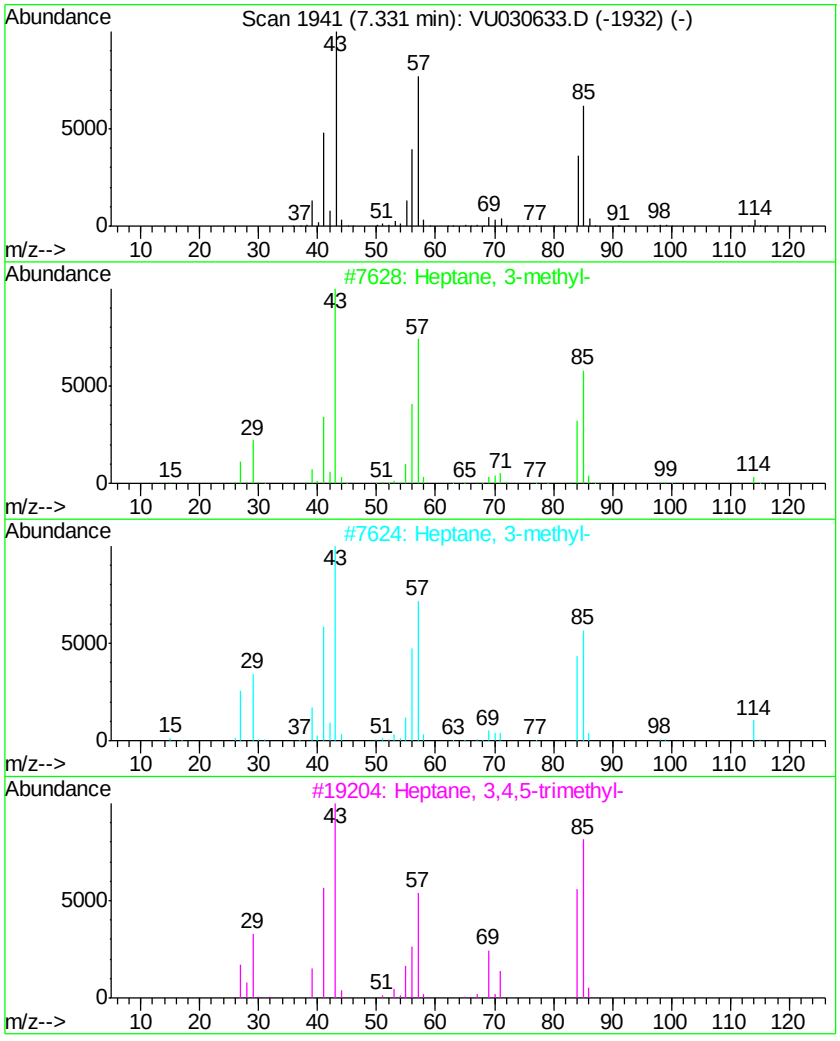
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

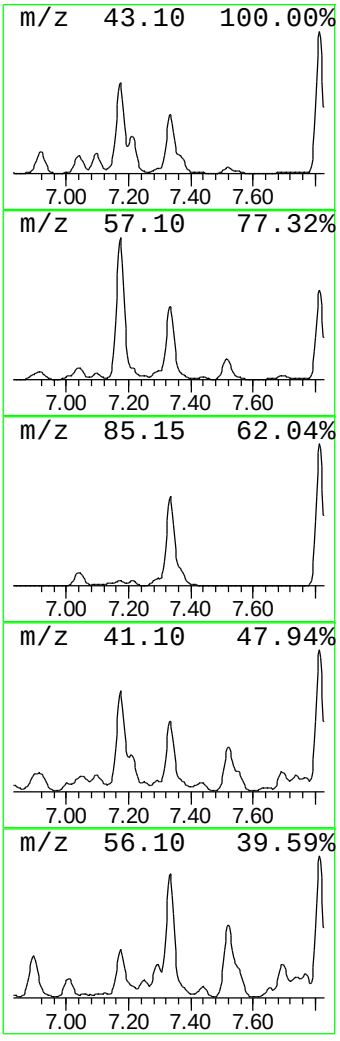
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	105.22 ug/L	2591240	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	94
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	94
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	86
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

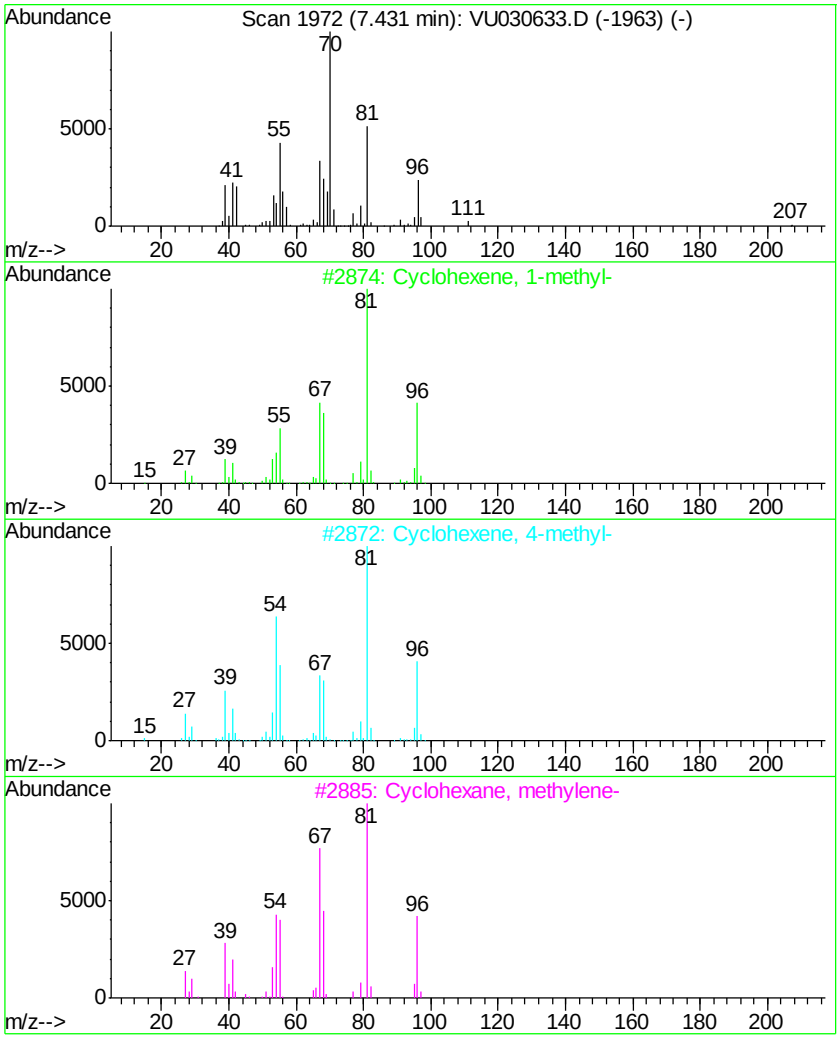
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

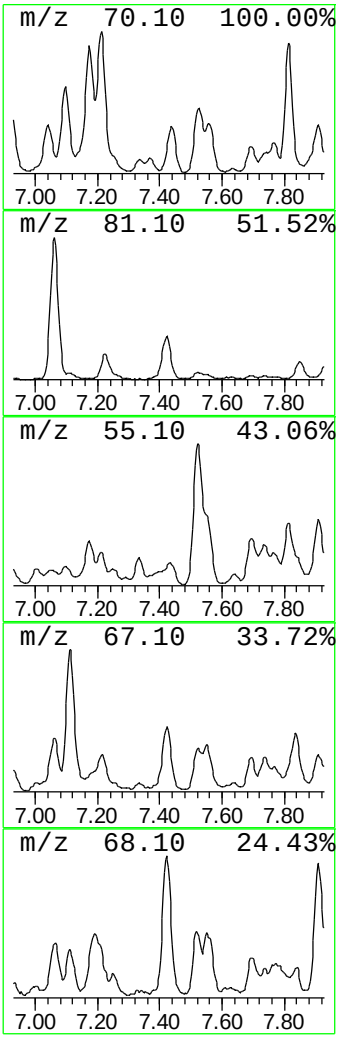
****

Peak Number 28 Cyclohexene, 1-methyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	31.85 ug/L	784415	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	53
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	49
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	49
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	47
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	43





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

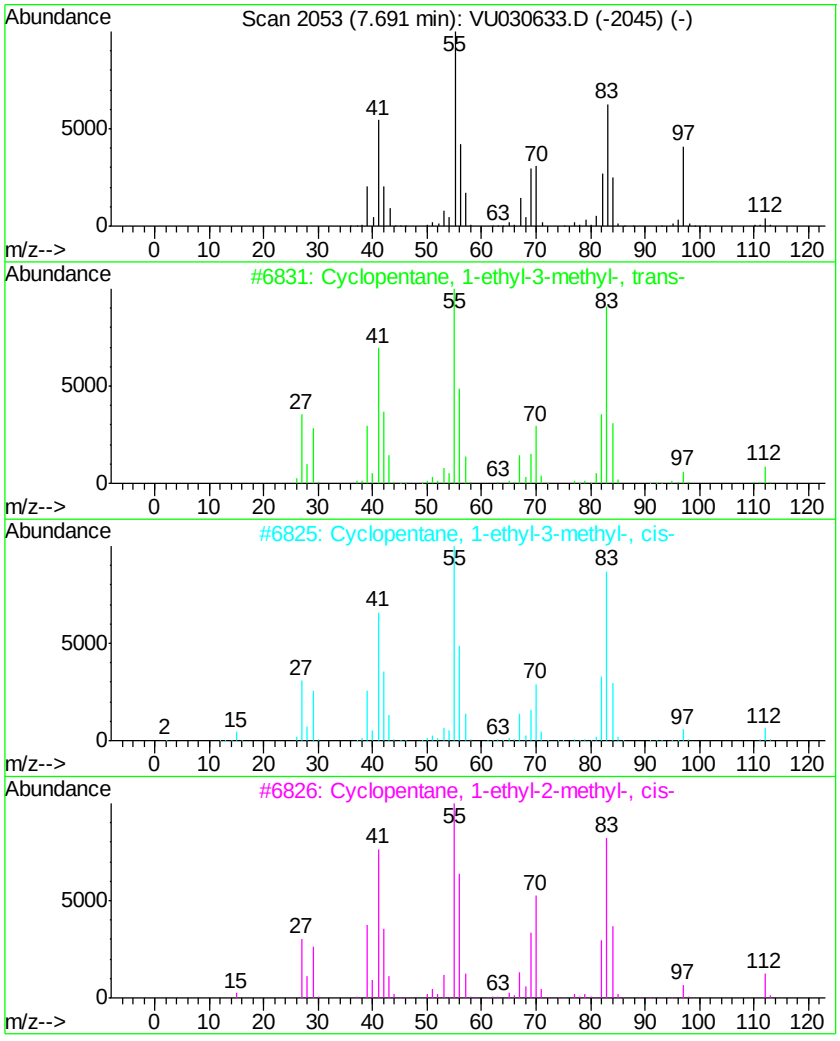
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

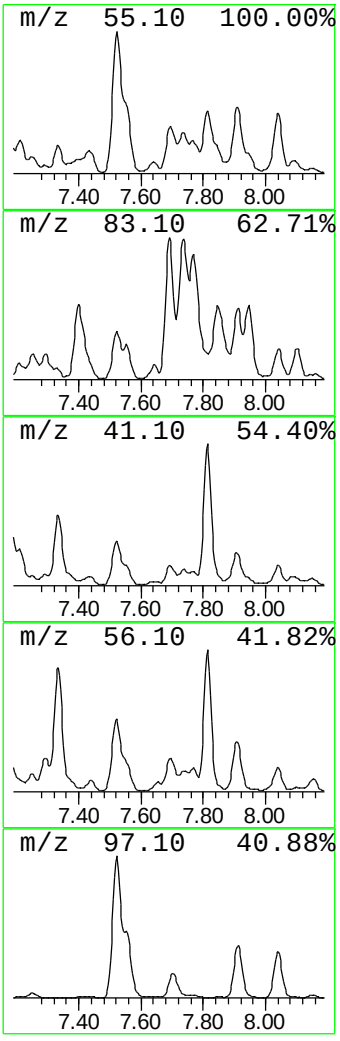
****

Peak Number 29 (DEL) Alkane: Cyclic7.69 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	26.83 ug/L	794176	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	64
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	64
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	53
4	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	45
5	4-Octene, (E)-	112	C8H16	014850-23-8	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

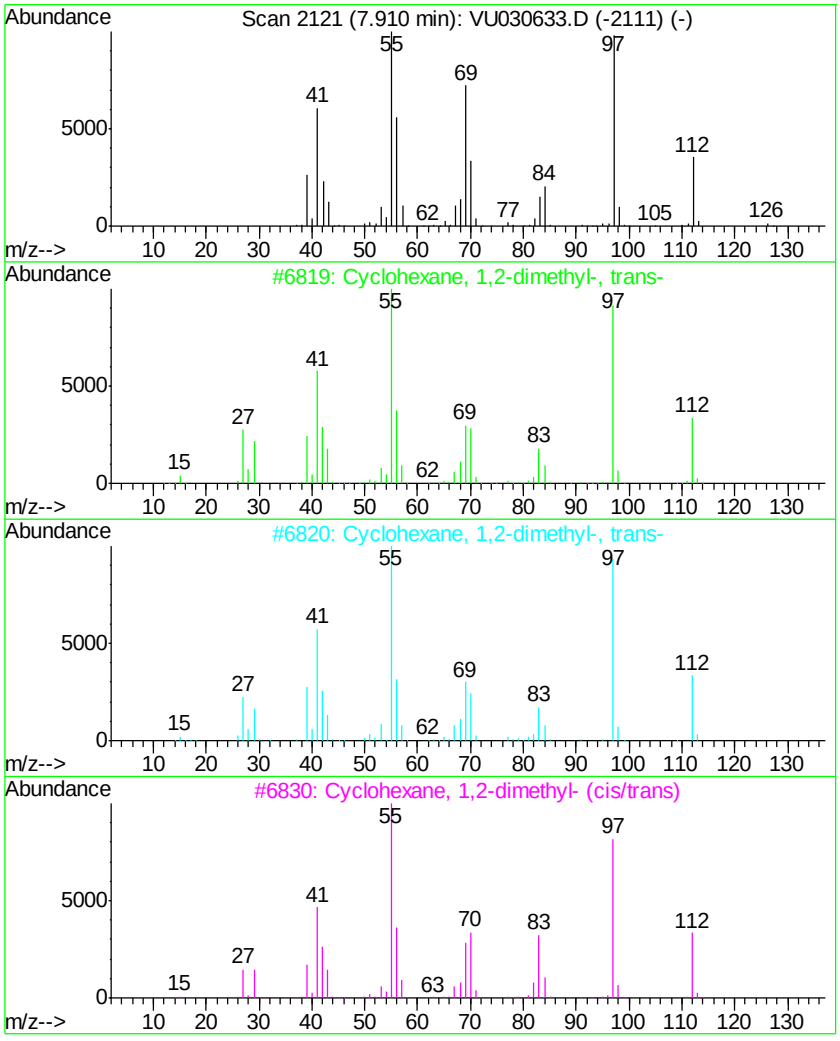
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

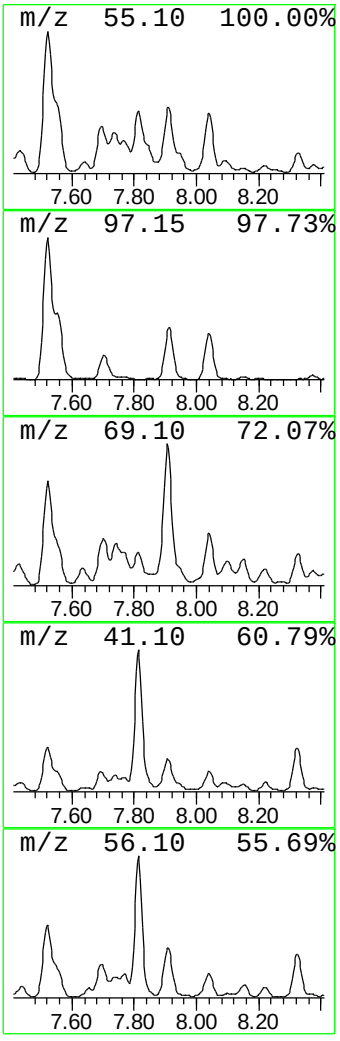
****

Peak Number 30 (DEL) Alkane: Cyclic7.91 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	57.16 ug/L	1691810	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	81
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	81
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

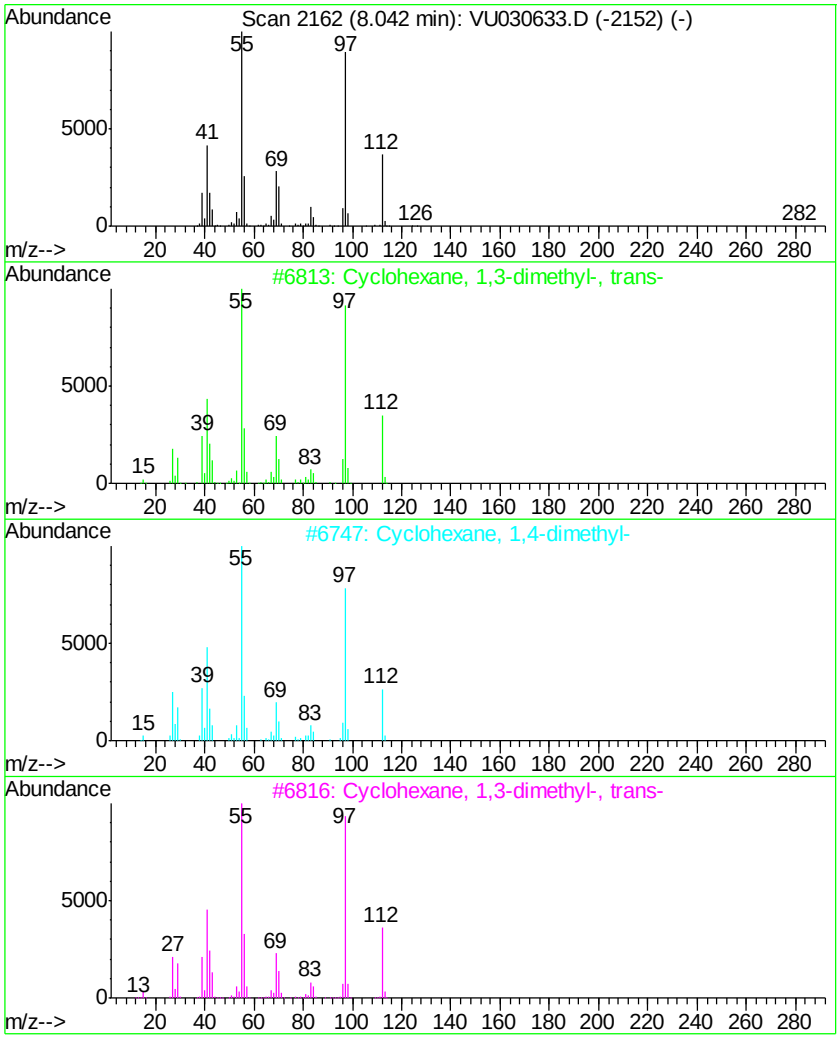
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

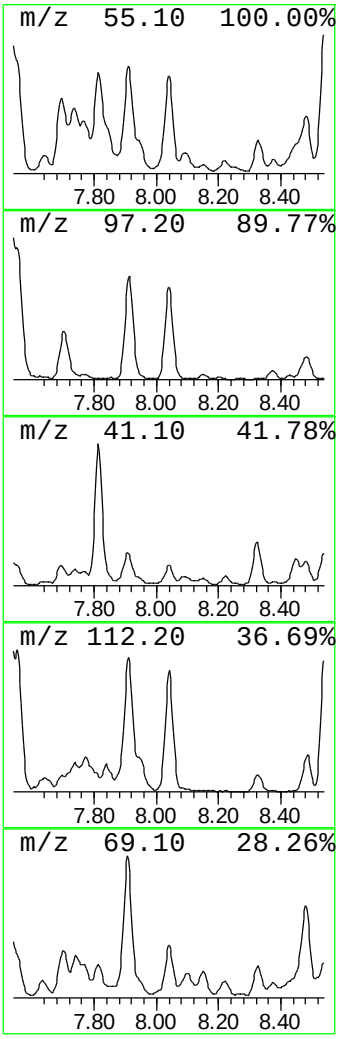
****

Peak Number 31 (DEL) Alkane: Cyclic8.04 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	26.12 ug/L	773047	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, 1,4-dimethyl-	112	C8H16	000589-90-2	94
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

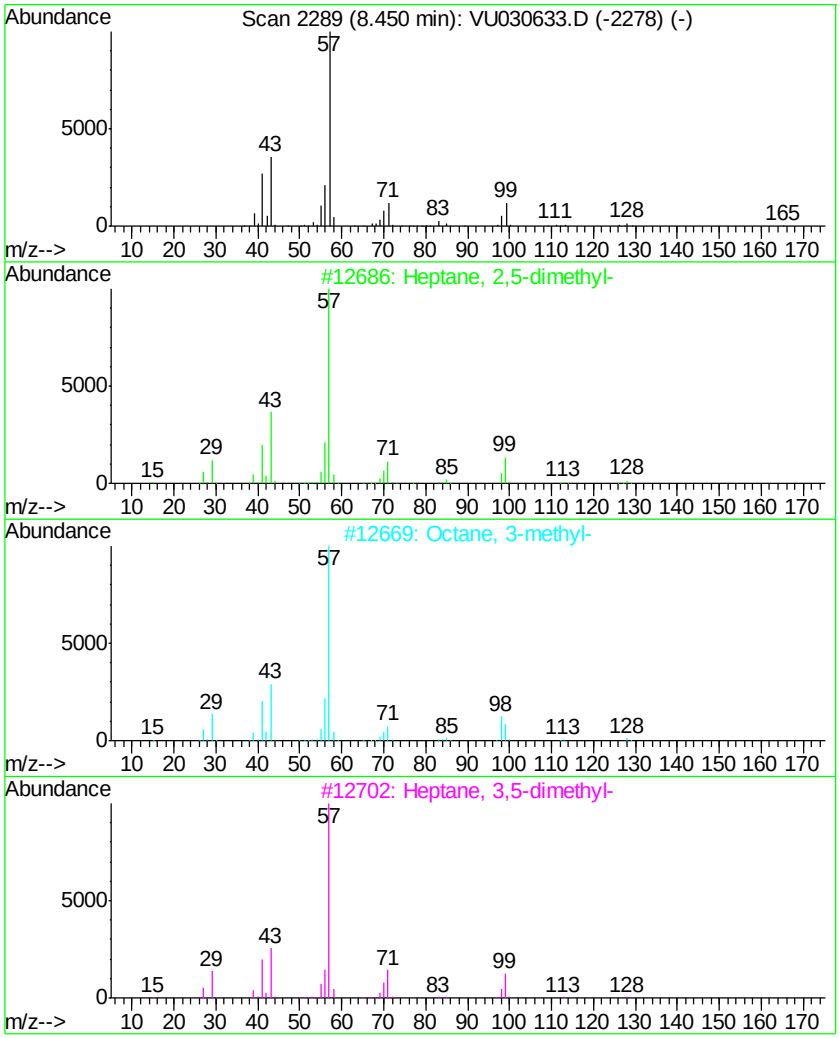
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

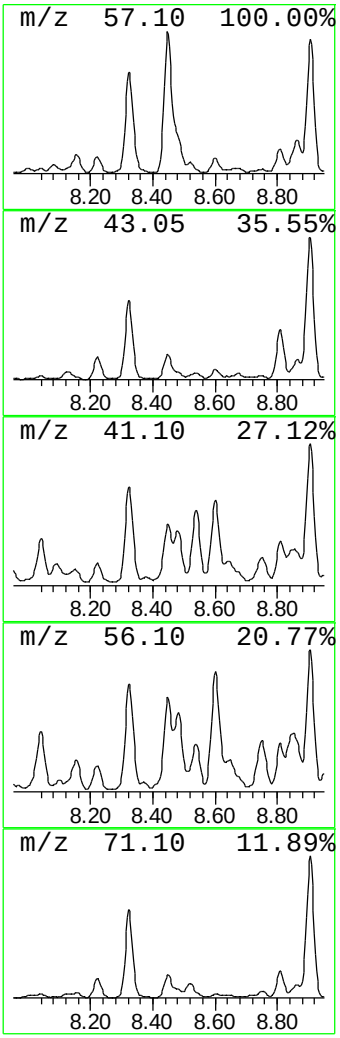
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	33.90 ug/L	1003330	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Octane, 3-methyl-	128	C9H20	002216-33-3	91
3	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	91
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

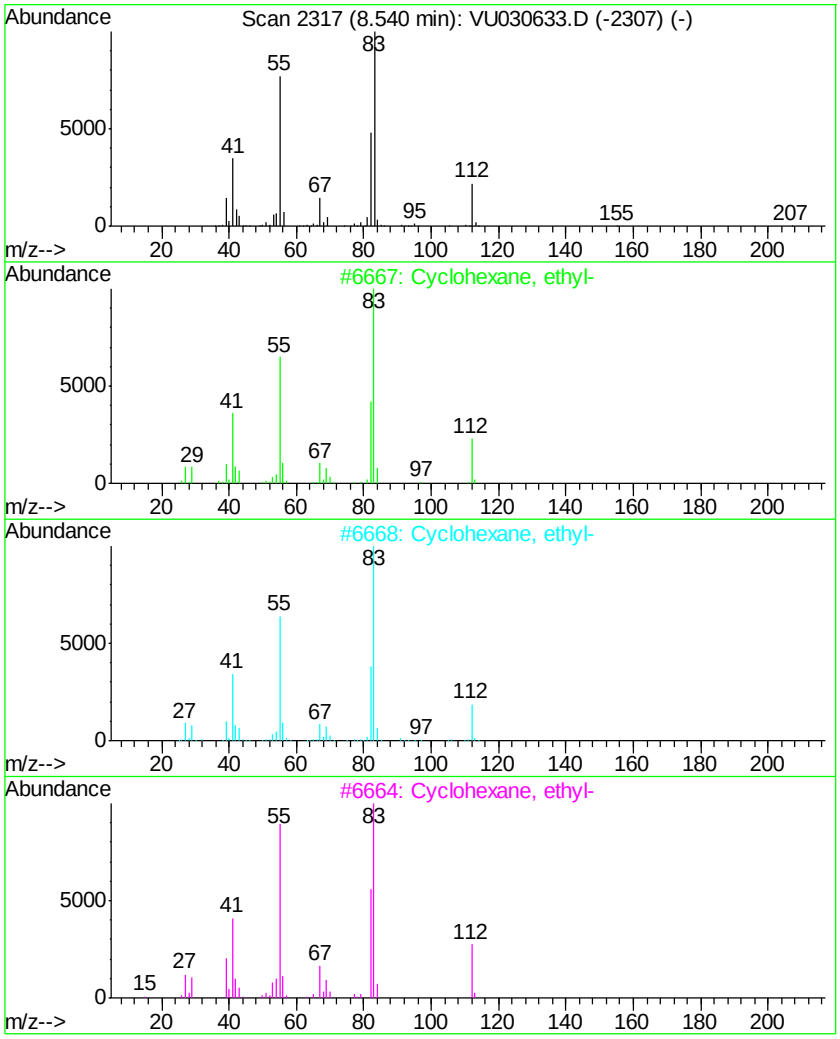
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

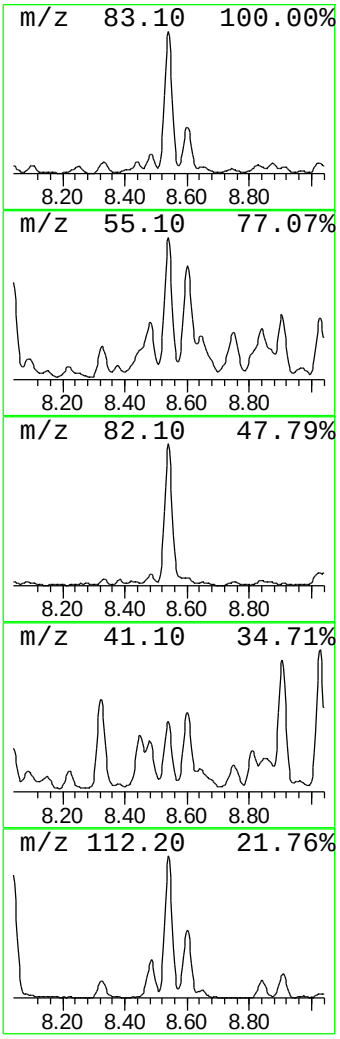
****

Peak Number 33 (DEL) Alkane: Cyclic8.54 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	39.83 ug/L	1178900	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
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	86
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

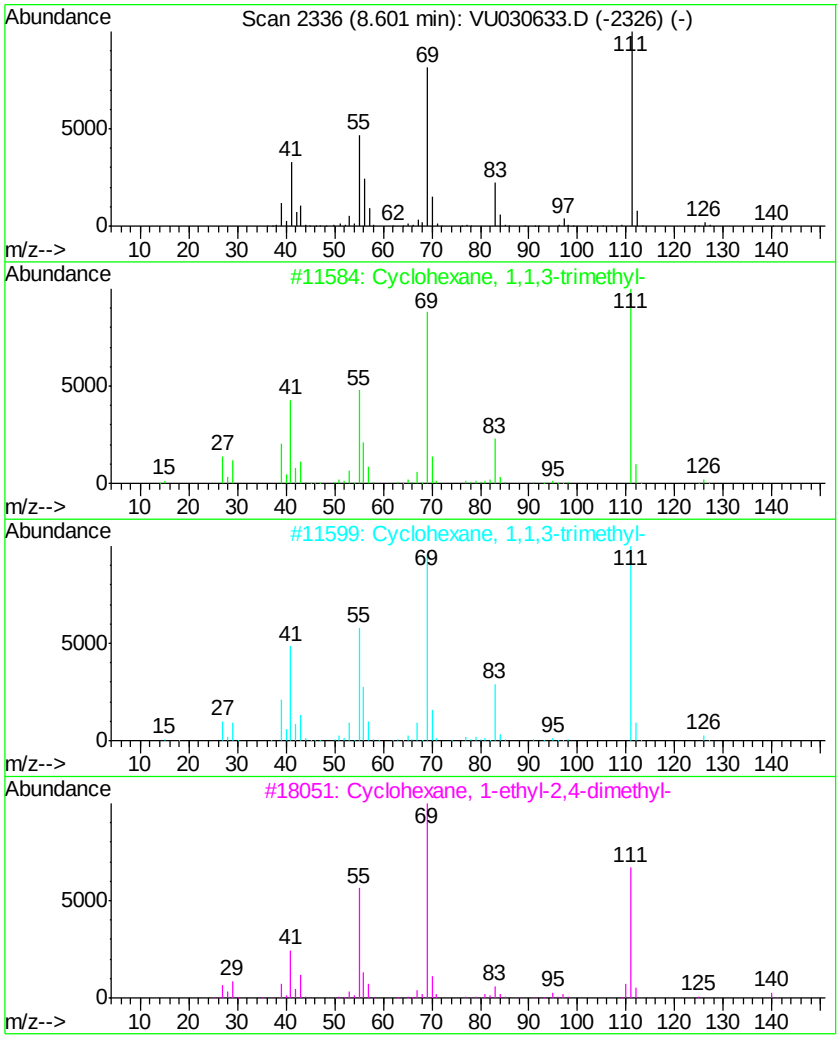
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

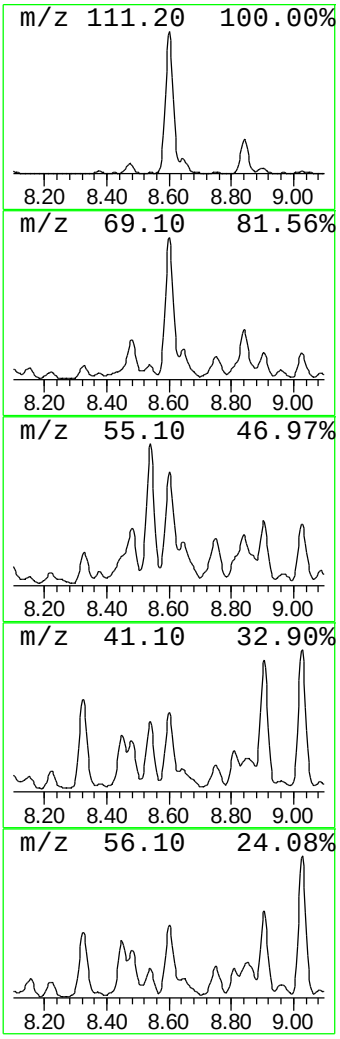
****

Peak Number 34 (DEL) Alkane: Cyclic8.60 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	54.37 ug/L	1609070	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	87
3	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
4	2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	59
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

****

Peak Number 35 unknown-01 Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	22.20 ug/L	657129	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	019781-47-6	42
2	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	42
3	cis-3-Nonene	126	C9H18	020237-46-1	41
4	2-Nonene, (E)-	126	C9H18	006434-78-2	41
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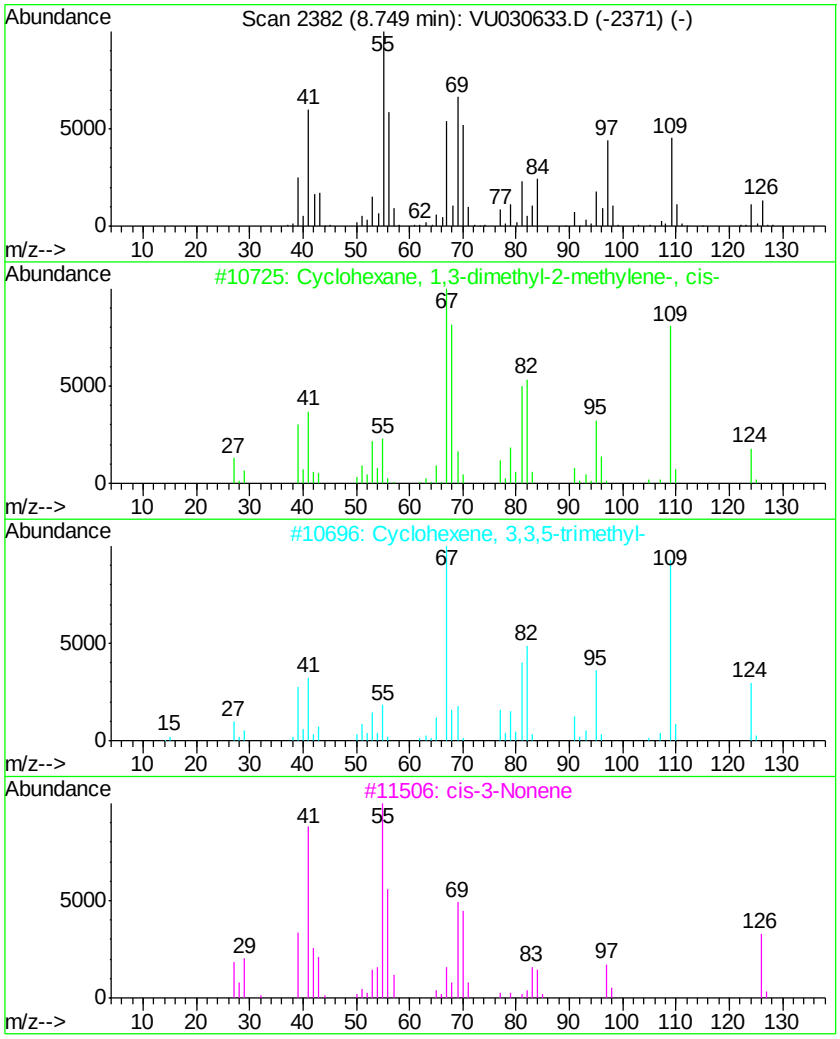

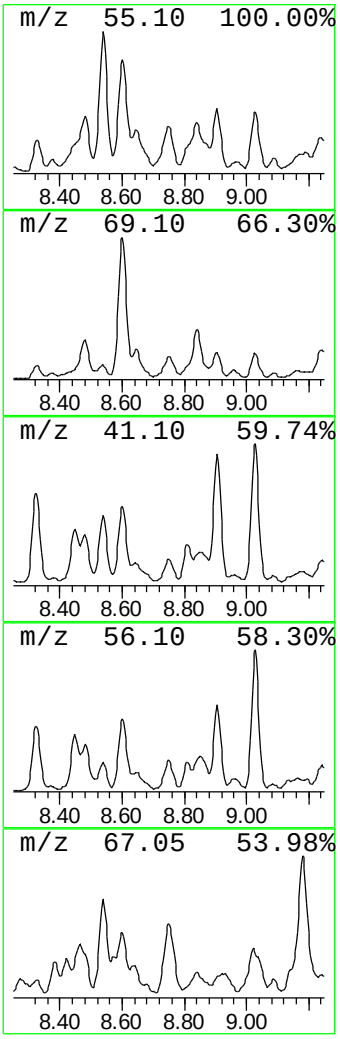

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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

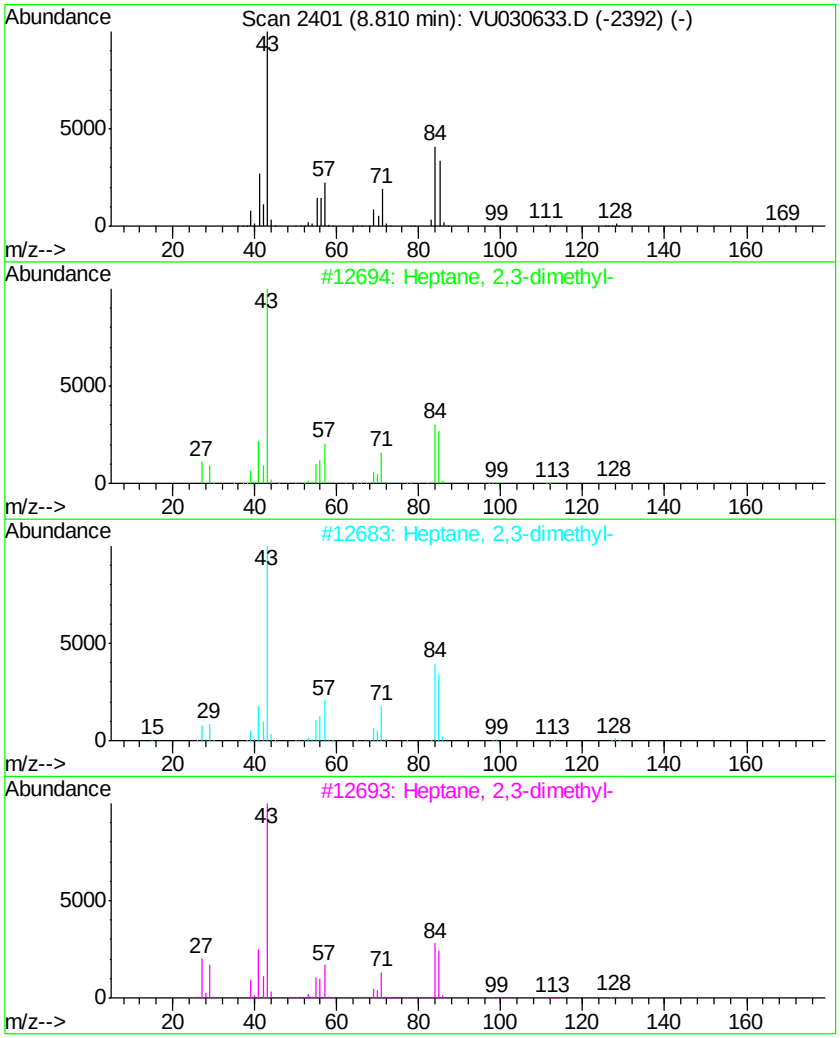
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

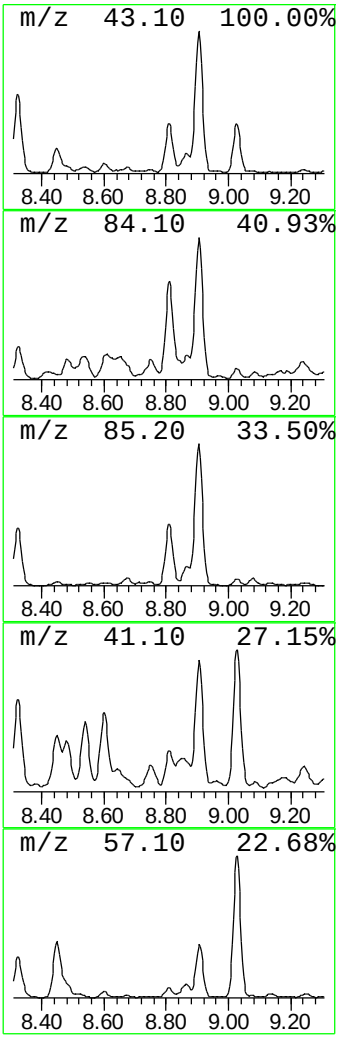
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	25.47 ug/L	753921	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	94
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	94
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	81
4	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	80
5	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	72





Library Search Compound Report

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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

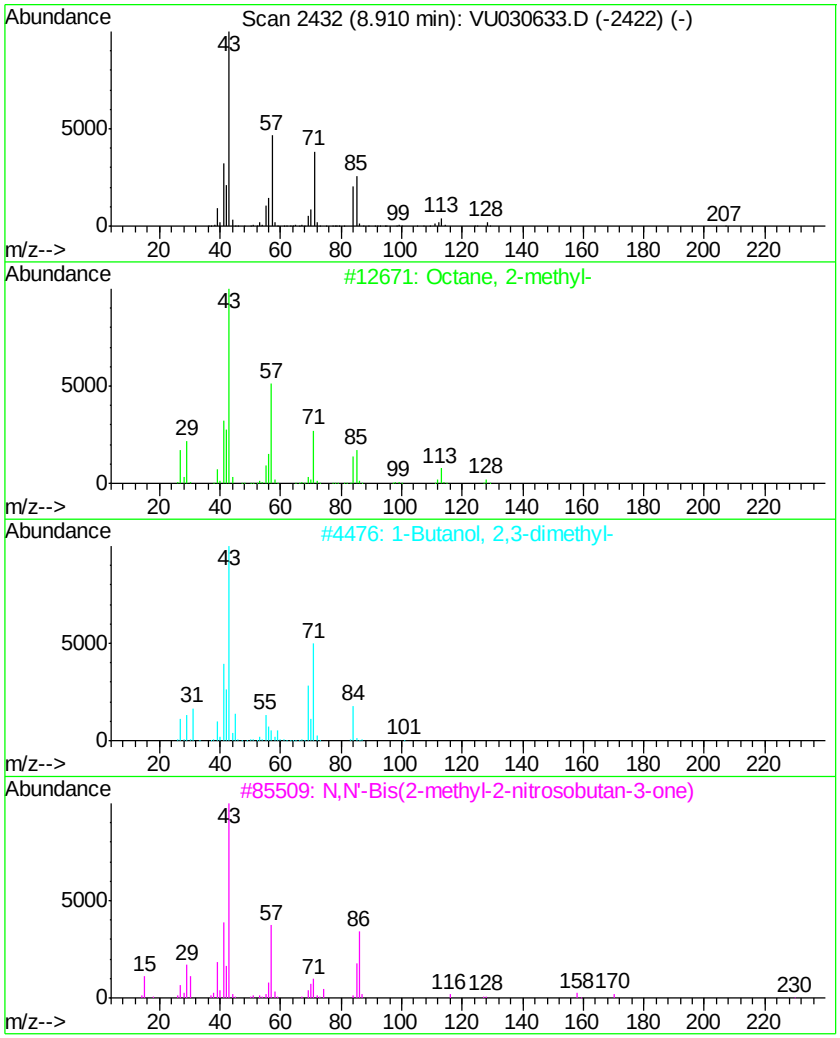
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

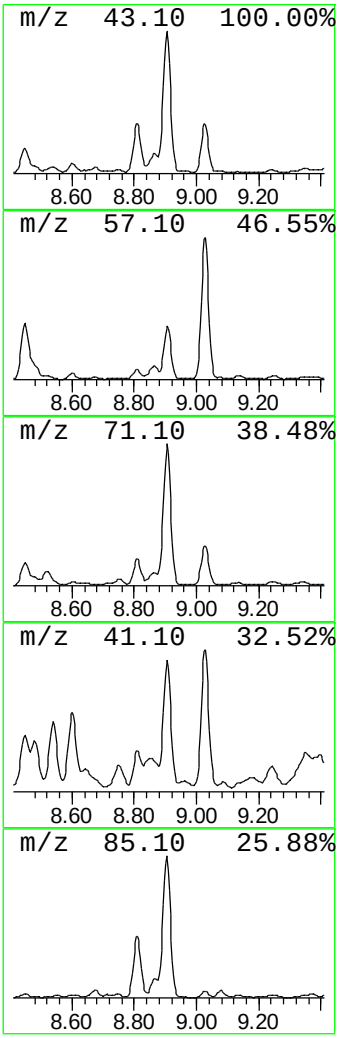
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	92.68 ug/L	2742870	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	68
2	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	59
3	N,N'-Bis(2-methyl-2-nitrosobutan...	230	C10H18N2O4	034946-73-1	59
4	Octane, 2-methyl-	128	C9H20	003221-61-2	59
5	Octane, 2-methyl-	128	C9H20	003221-61-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

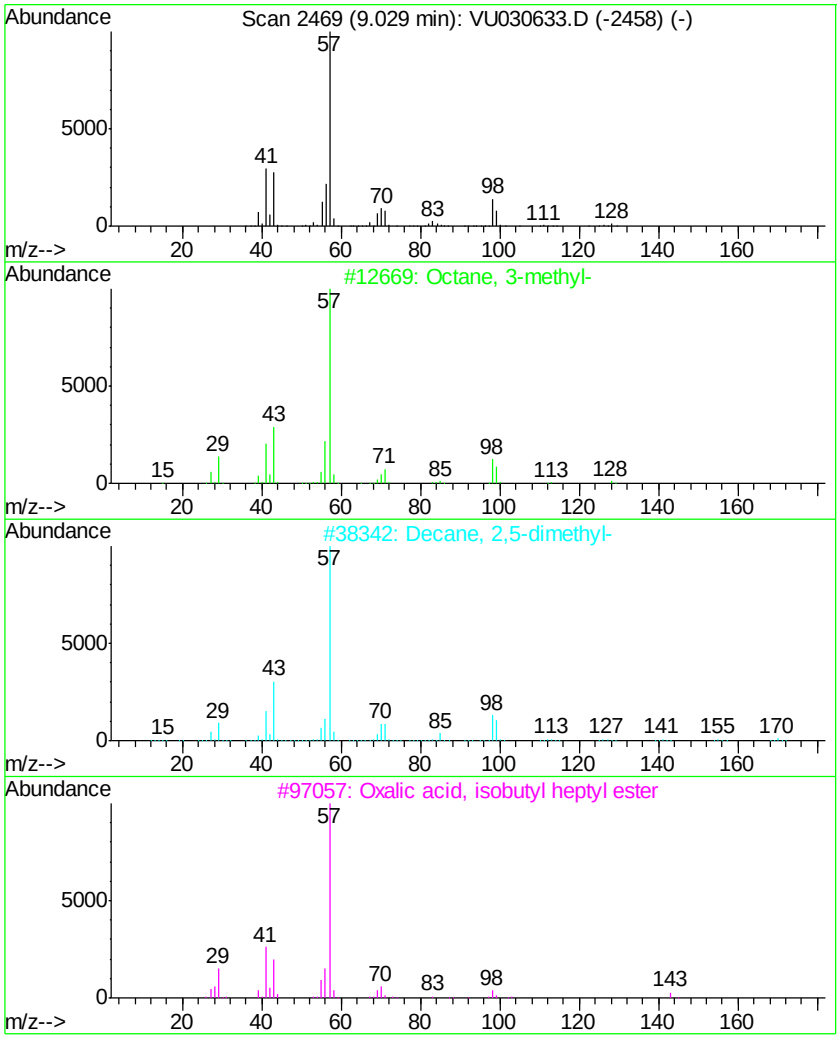
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

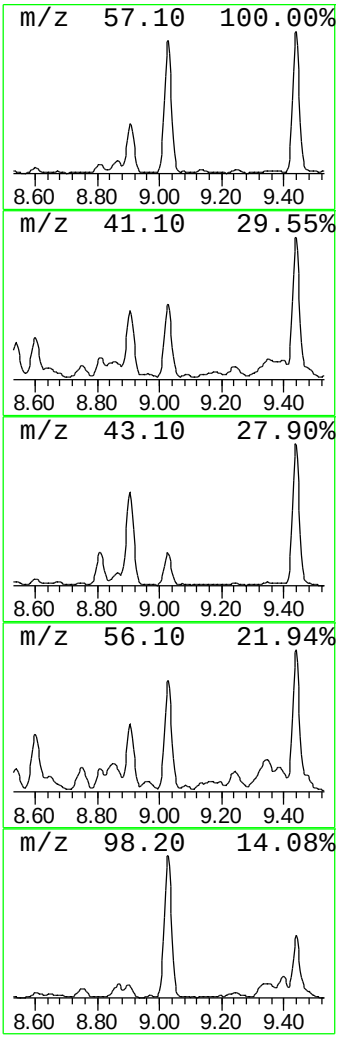
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	81.83 ug/L	2421930	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	80
2	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	64
3	Oxalic acid, isobutyl heptyl ester	244	C13H24O4	1000309-37-2	64
4	Octane, 3-methyl-	128	C9H20	002216-33-3	64
5	Undecane, 6-methyl-	170	C12H26	017302-33-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

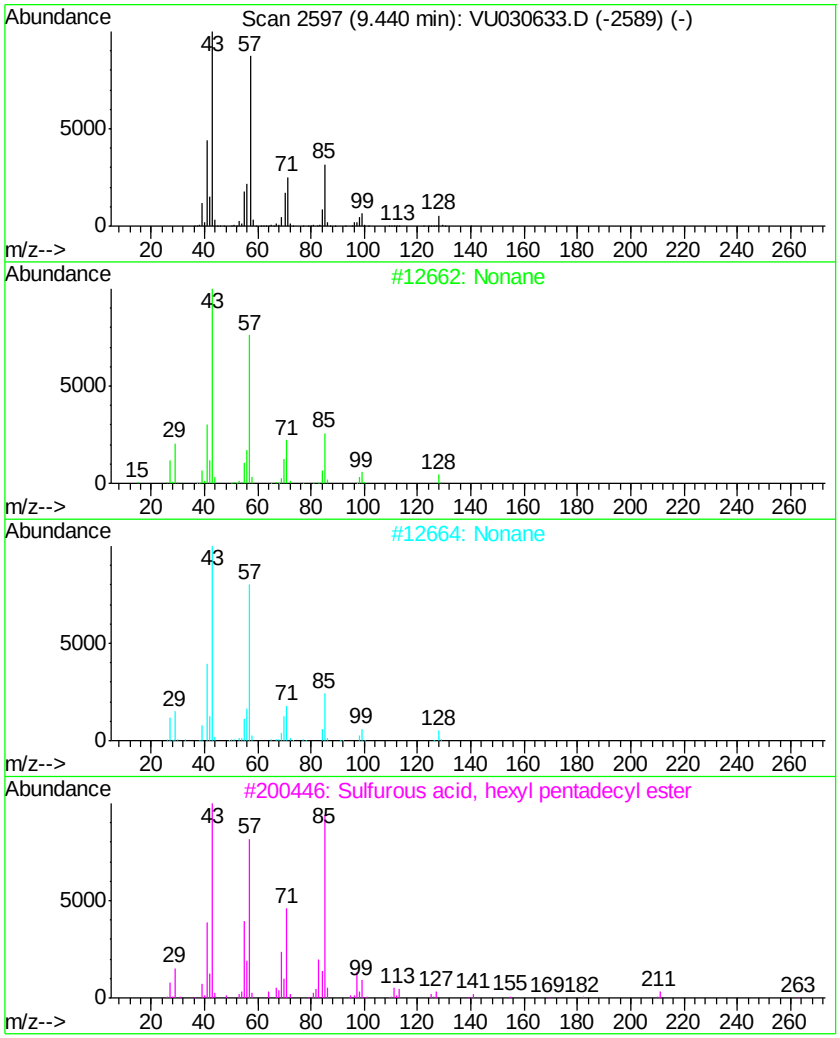
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

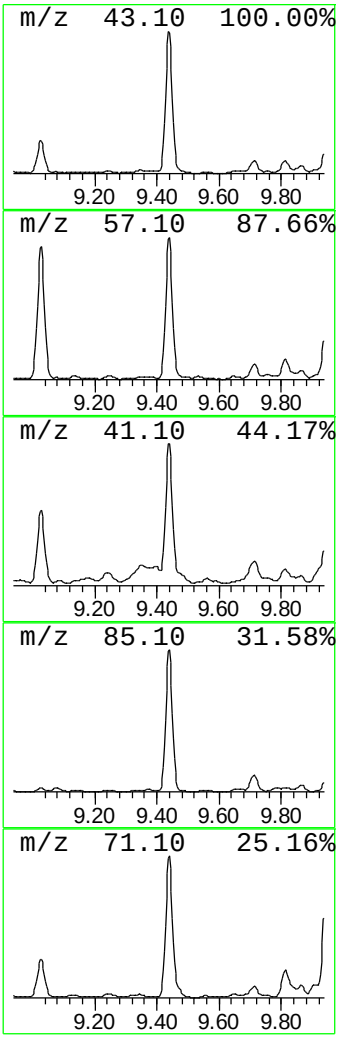
****

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	173.78 ug/L	5143110	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	90
3	Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	72
4	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72
5	Octane	114	C8H18	000111-65-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

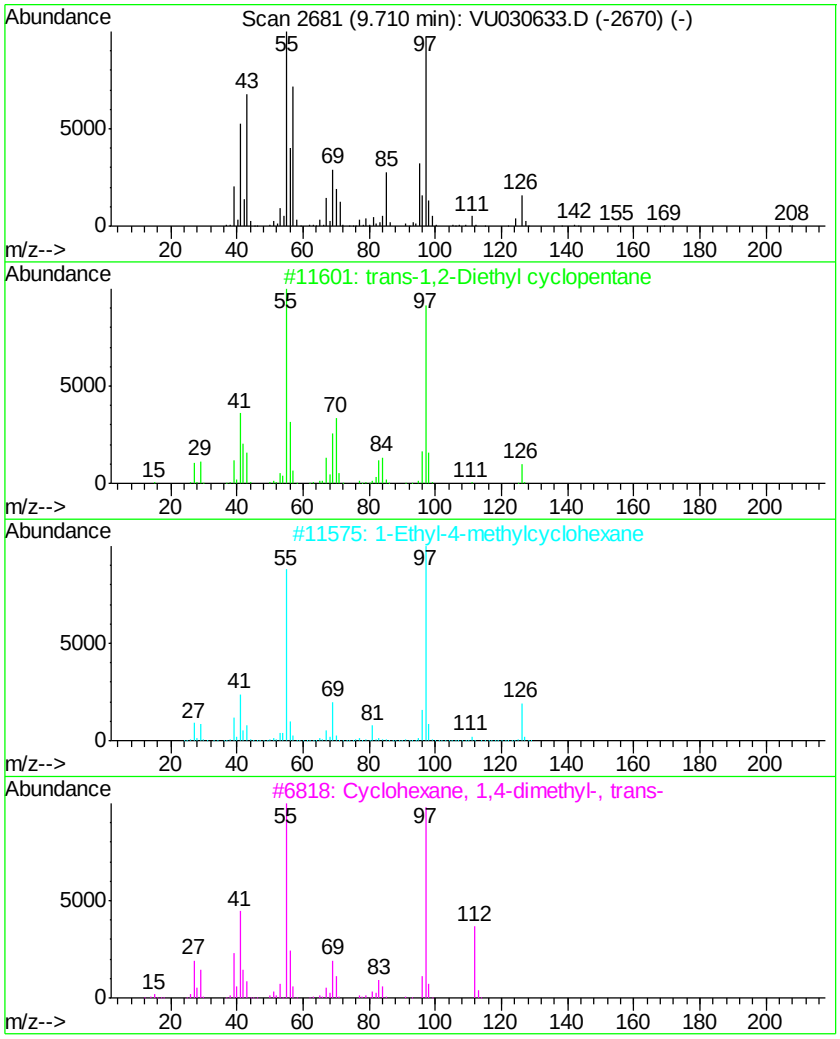
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

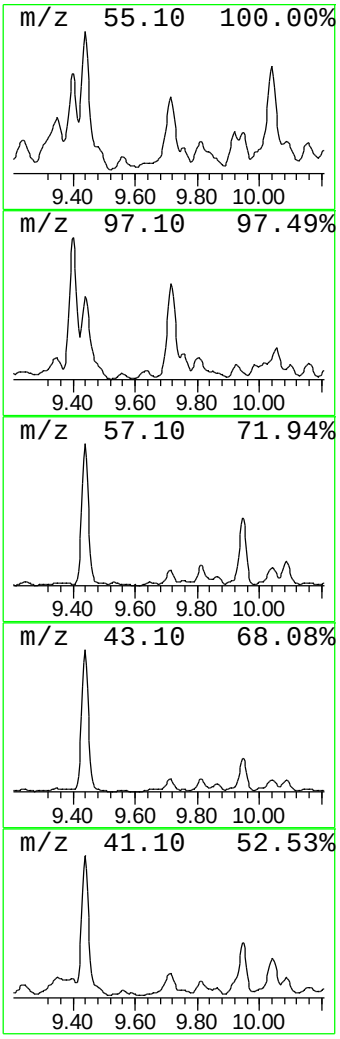
****

Peak Number 40 (DEL) Alkane: Cyclic9.71 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	37.01 ug/L	1095440	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	64
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	58
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	53
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	52
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

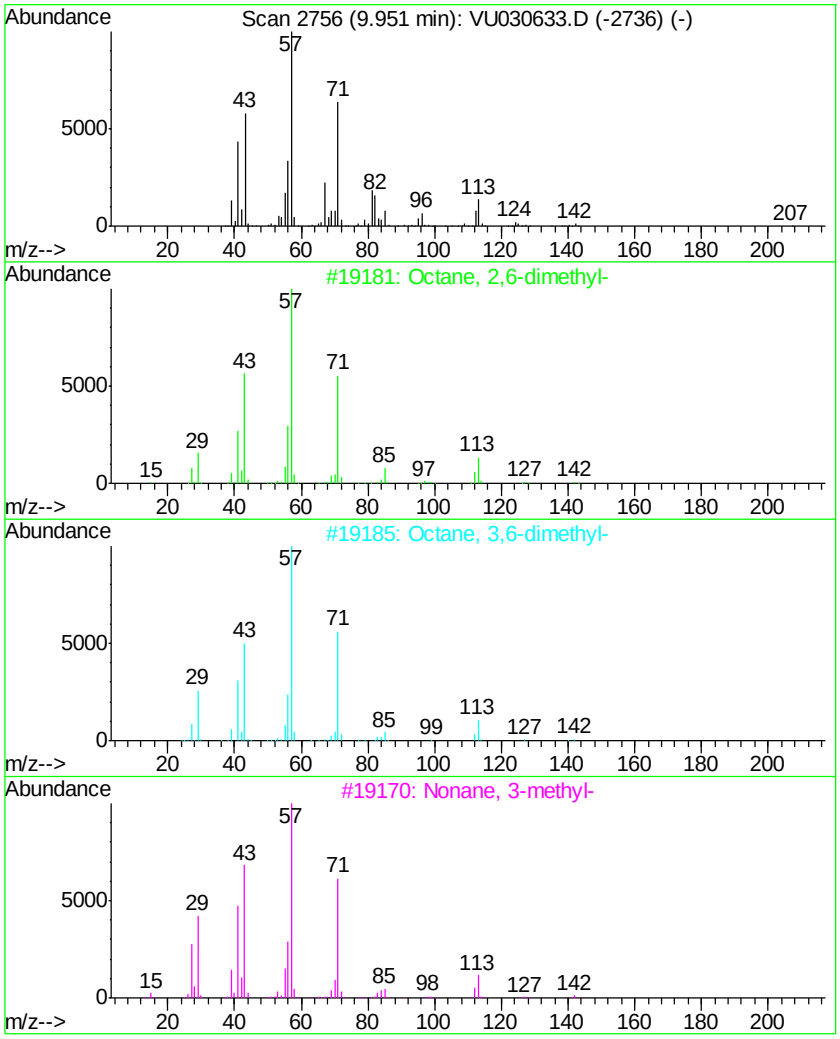
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

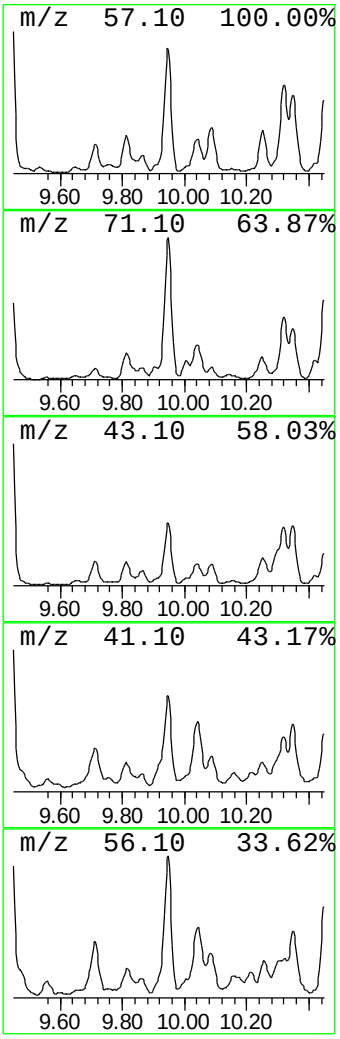
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	88.52 ug/L	2619900	Chlorobenzene-d5	9.09

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

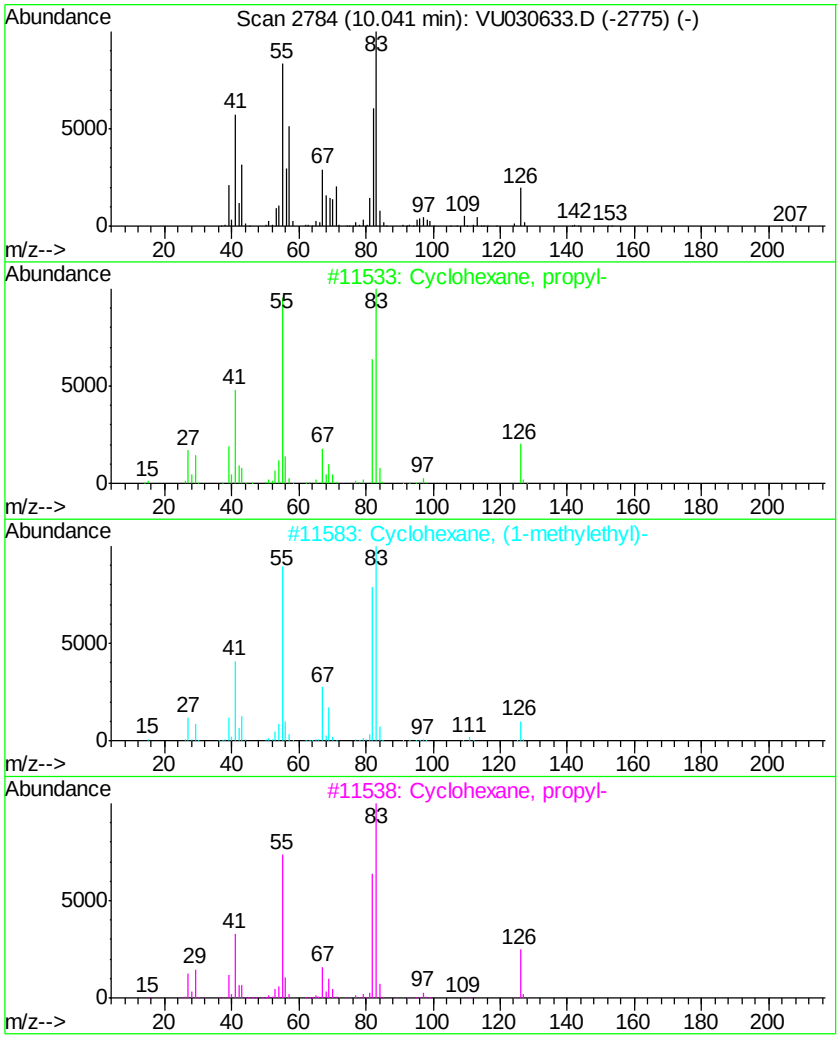
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

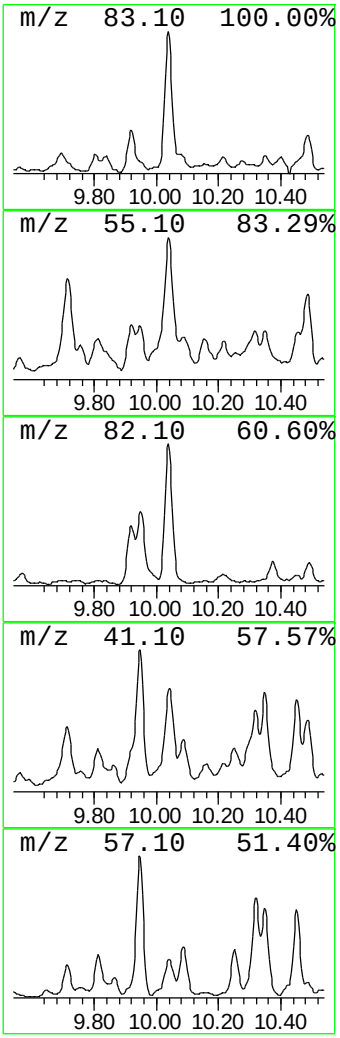
****

Peak Number 42 (DEL) Alkane: Cyclic10.04 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	43.94 ug/L	1300460	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

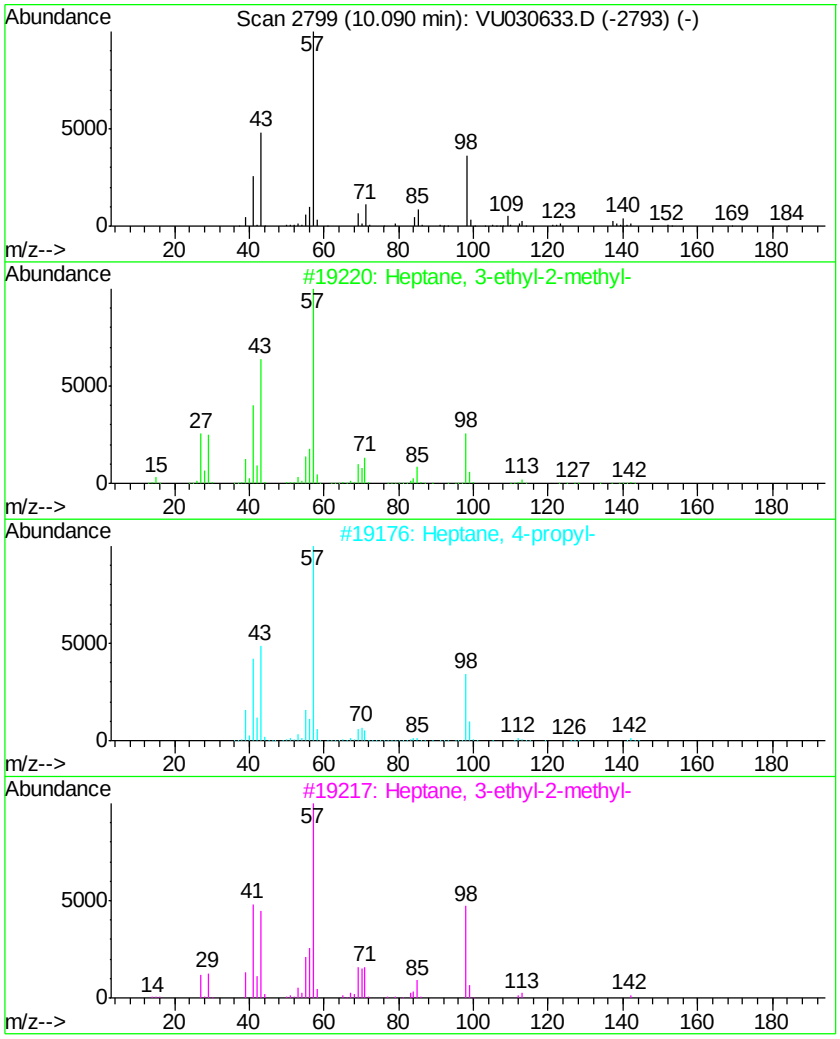
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

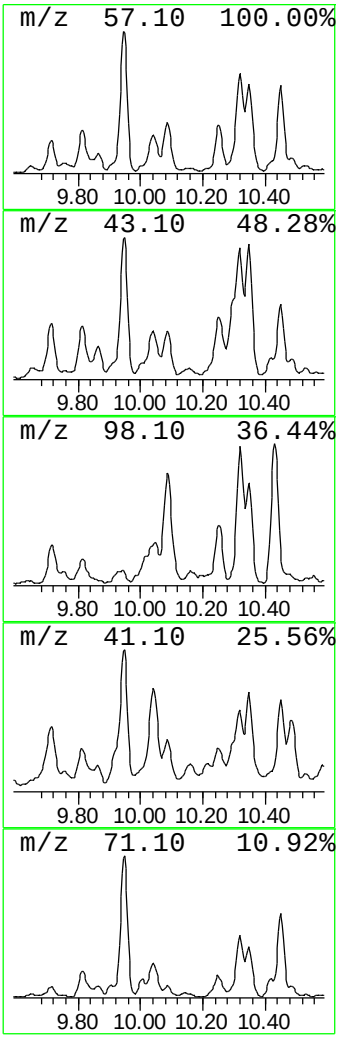
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	21.18 ug/L	626949	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	50
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	47
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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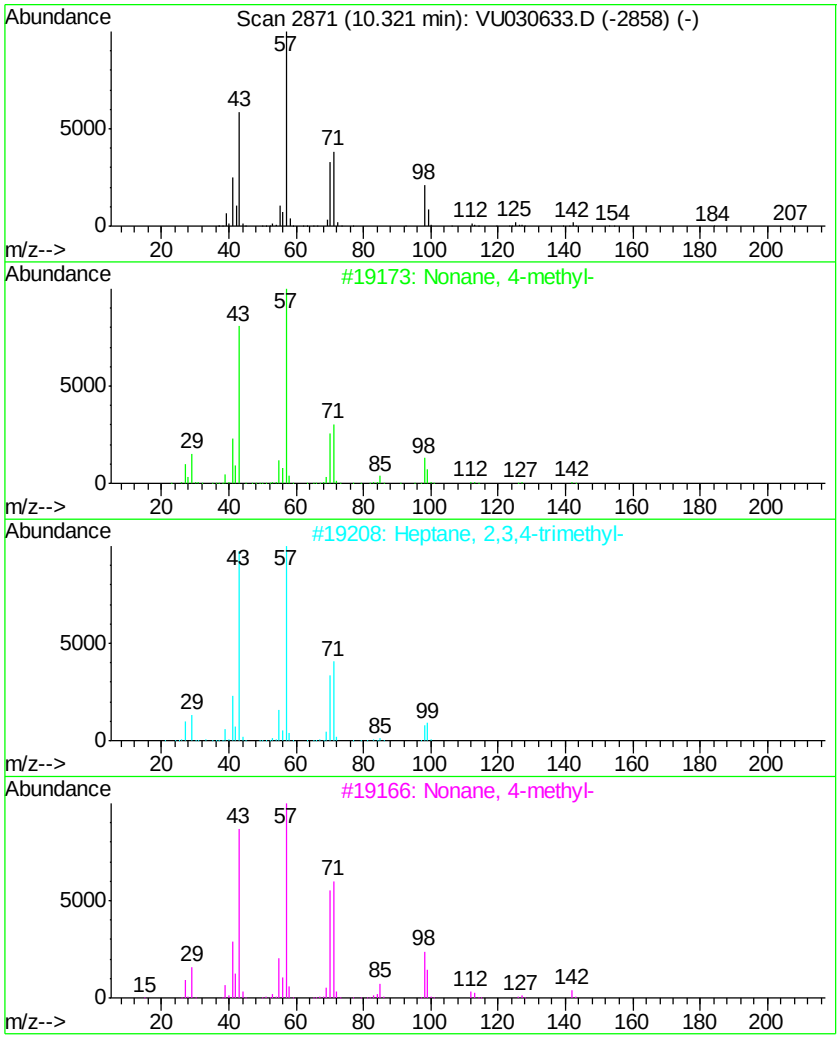
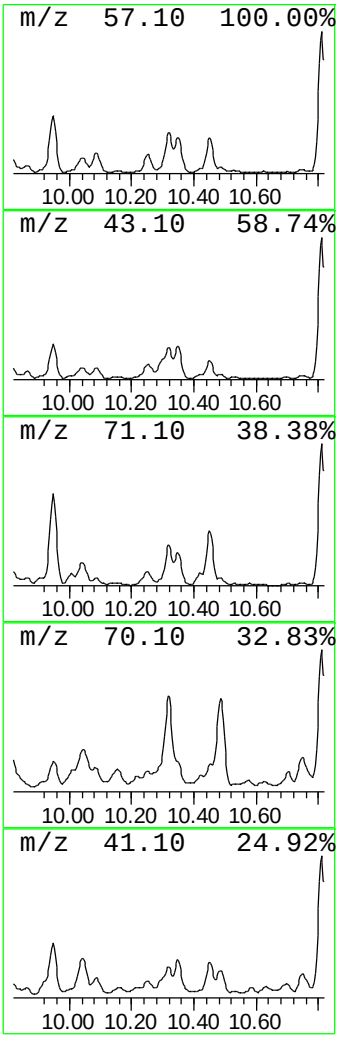
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	33.46 ug/L	1196830	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	91
2	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	59
4	Nonane, 4-methyl-	142	C10H22	017301-94-9	56
5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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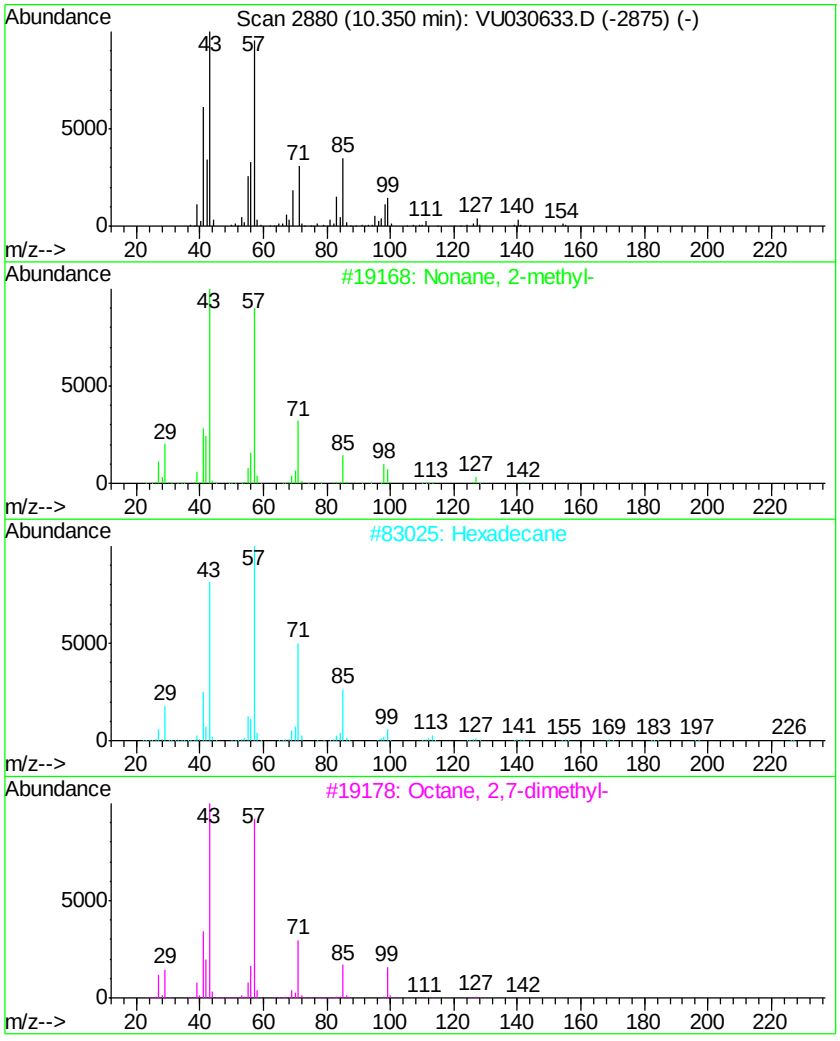
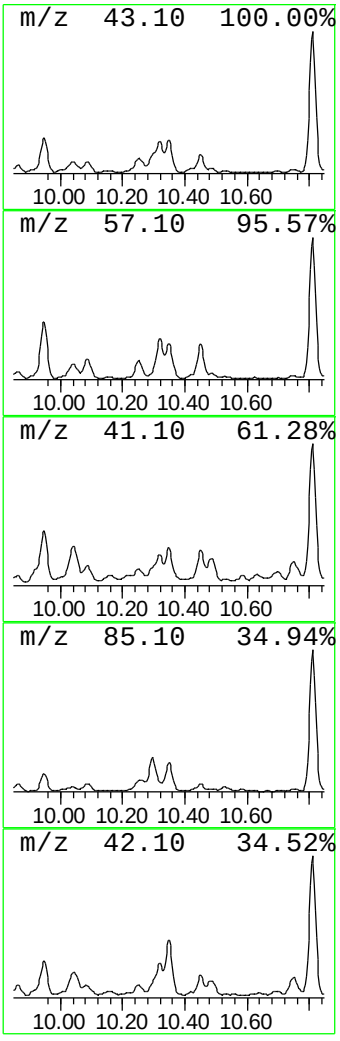
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	32.13 ug/L	1148920	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-	142	C10H22	000871-83-0	59
2	Hexadecane	226	C16H34	000544-76-3	50
3	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	47
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	47
5	1-Iodoundecane	282	C11H23I	004282-44-4	47





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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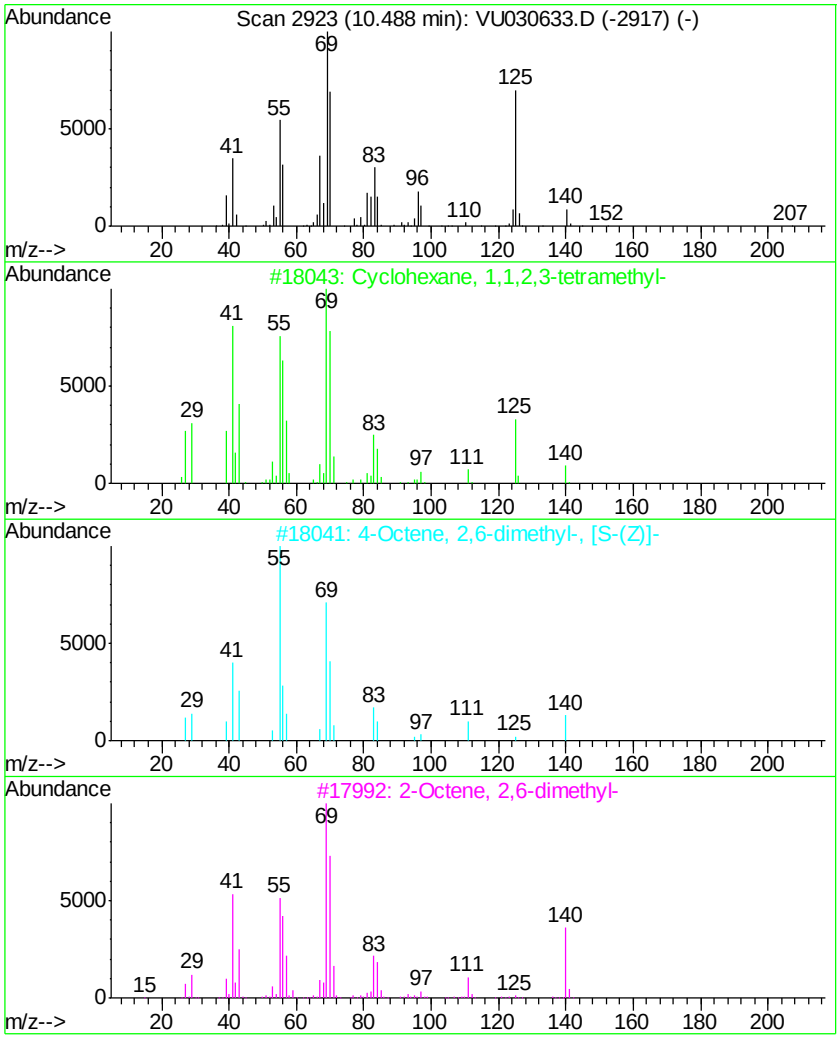
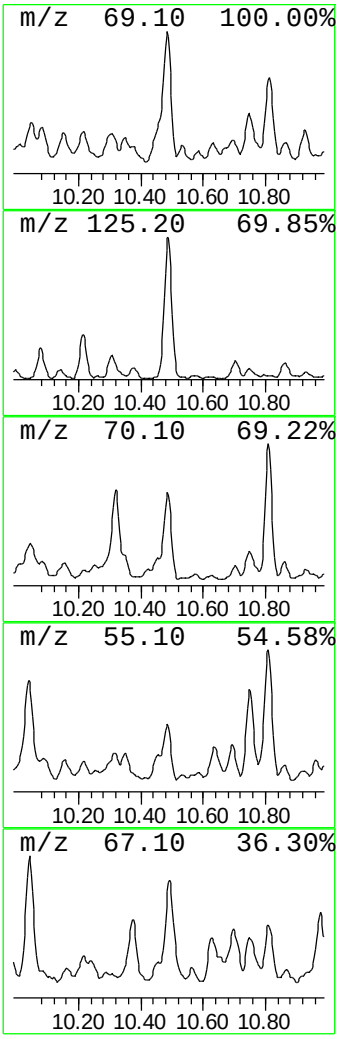
Peak Number 46 (DEL) Alkane: Cyclic10.49 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	28.18 ug/L	1007920	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	58
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	53
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
4	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	50
5	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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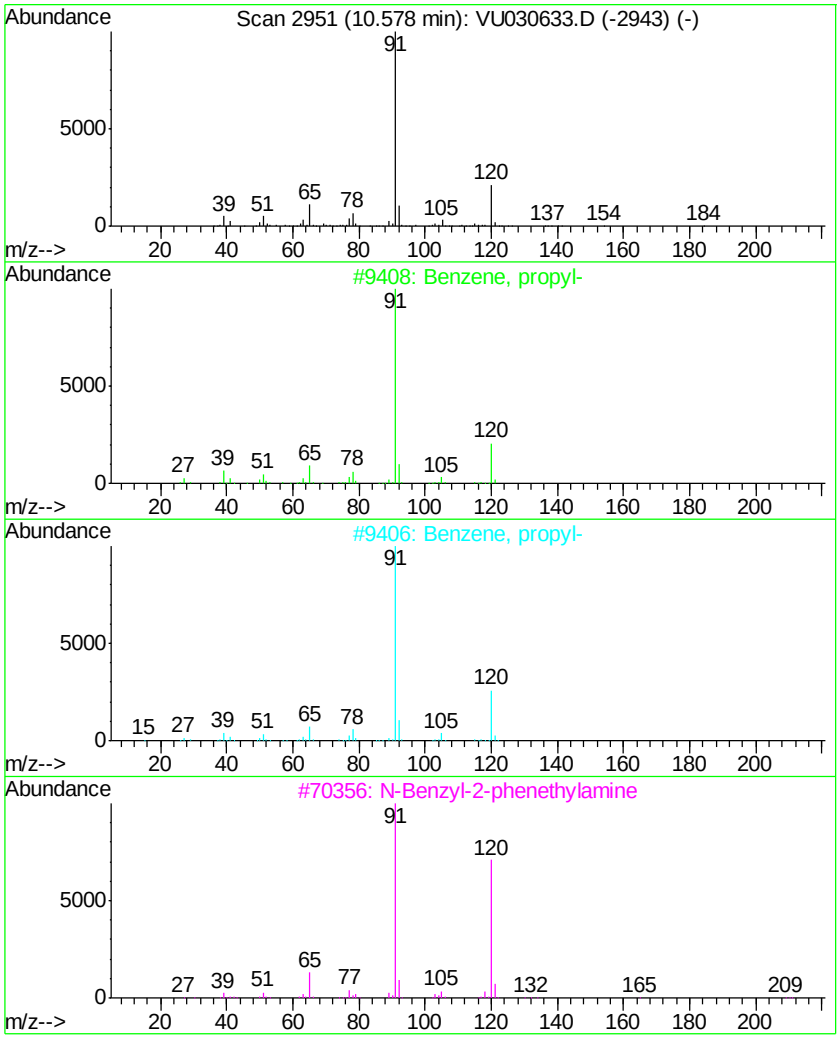
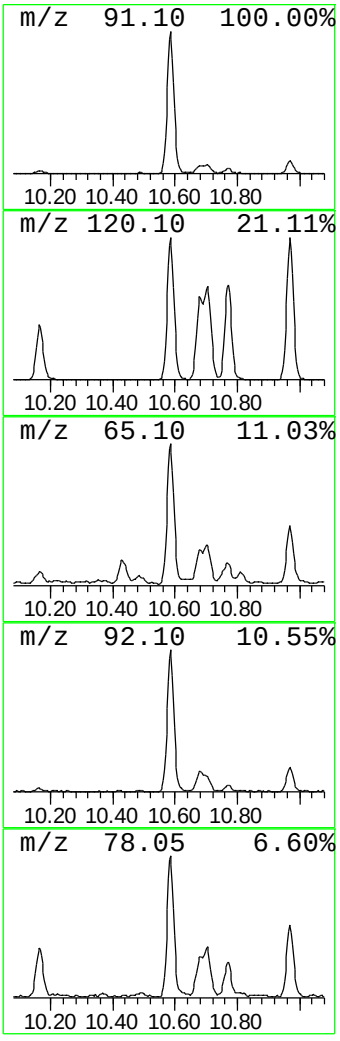
Peak Number 47 Benzene, propyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	41.35 ug/L	1478880	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	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





Library Search Compound Report

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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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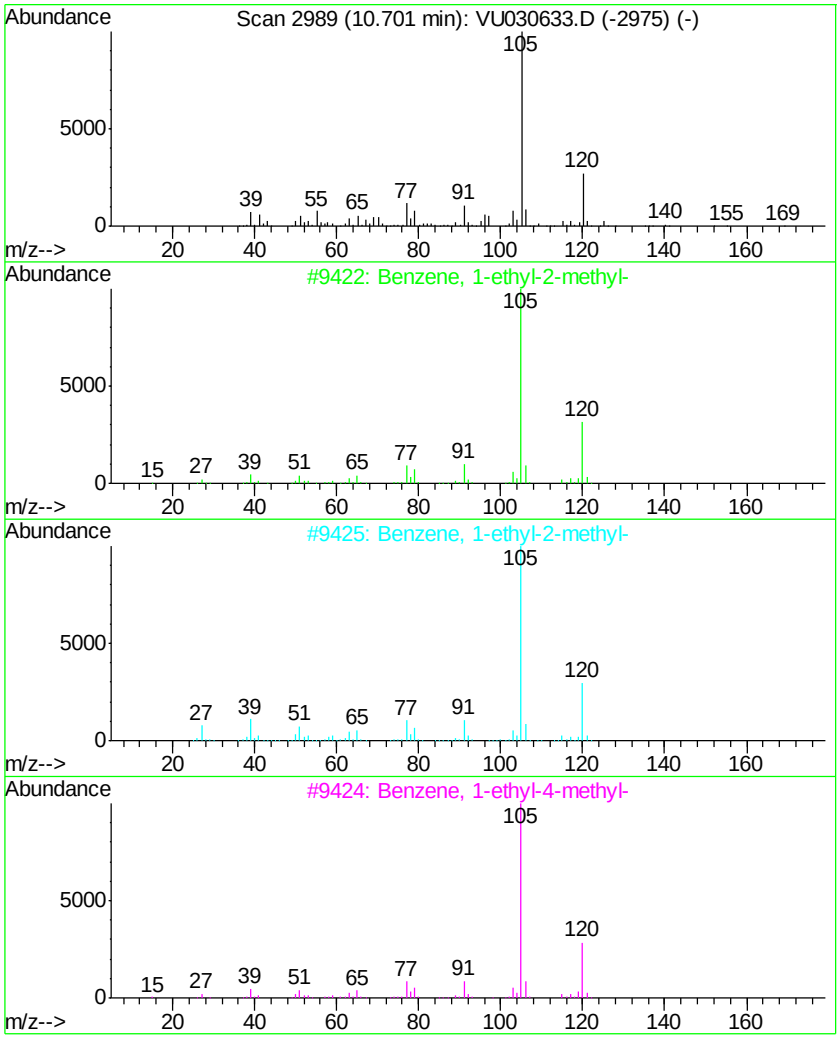
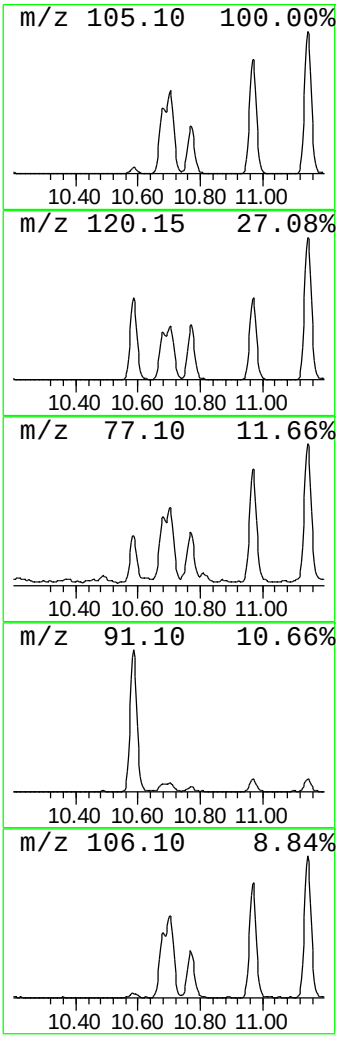
Peak Number 48 Benzene, 1-ethyl-2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	46.83 ug/L	1674700	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	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5	Mesitylene	120	C9H12	000108-67-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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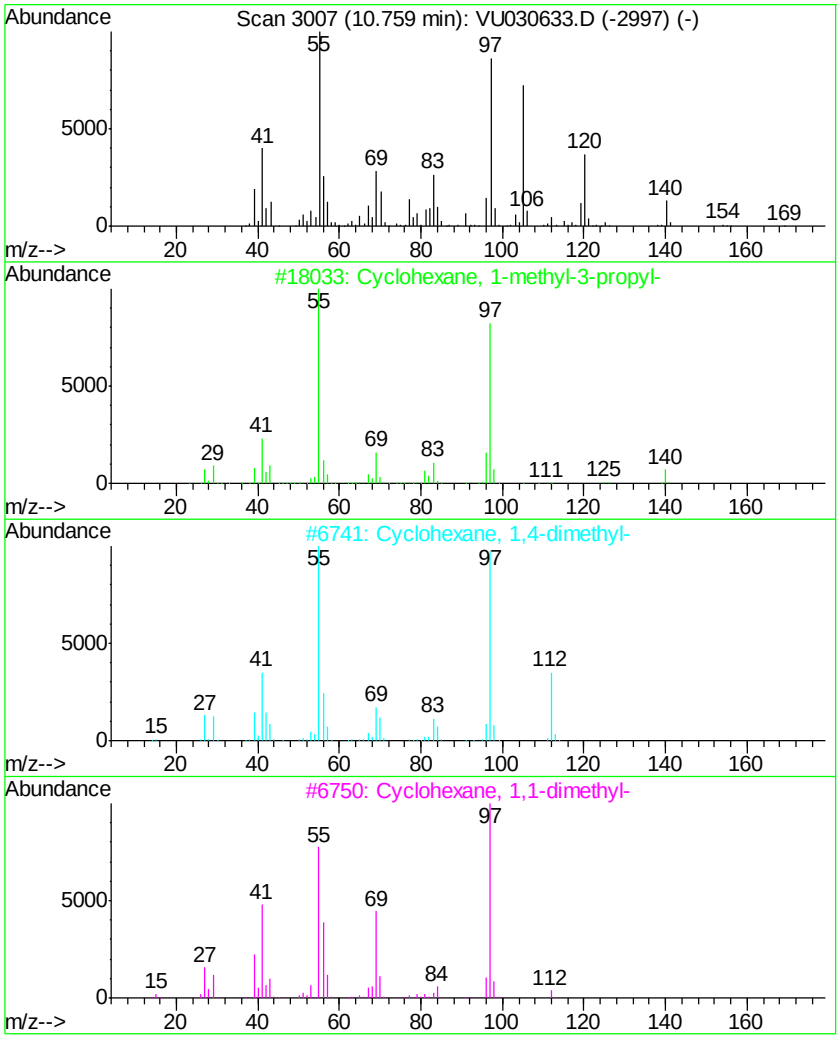
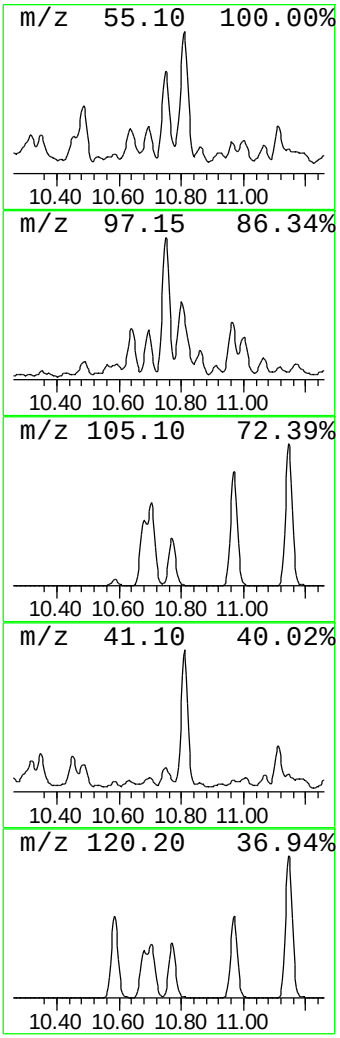
Peak Number 49 (DEL) Alkane: Cyclic10.76 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	36.23 ug/L	1295800	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	58
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	58
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
4	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	52
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

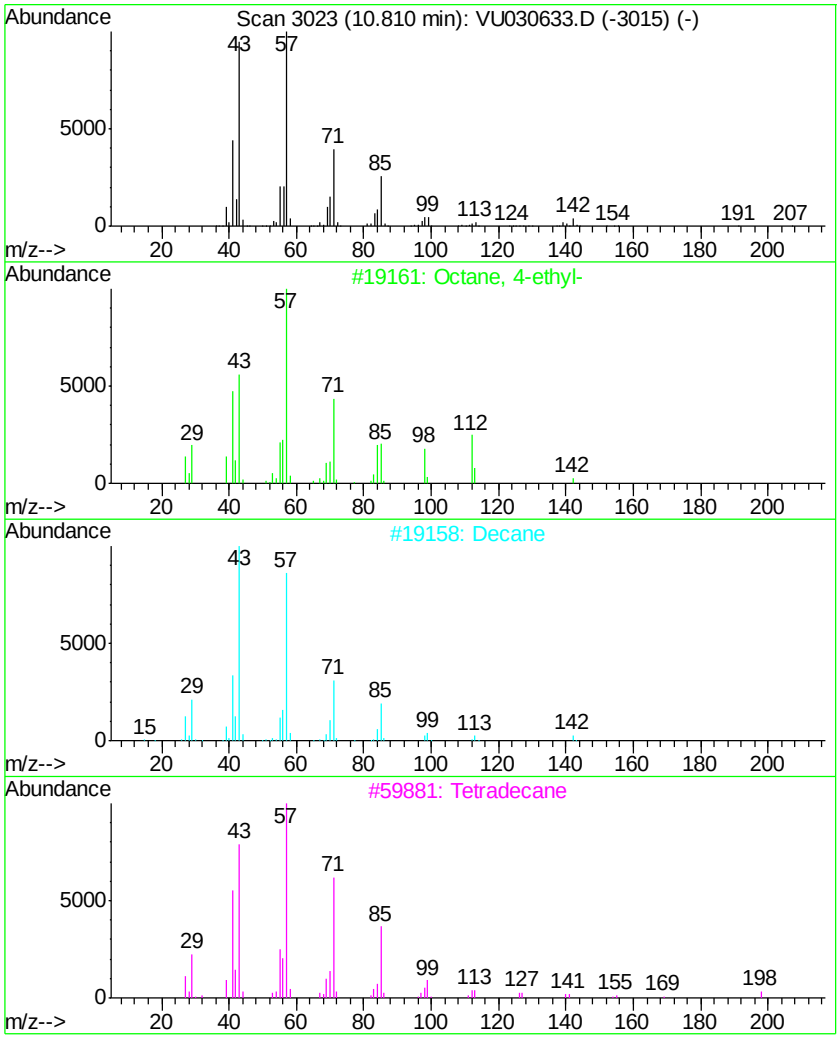
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

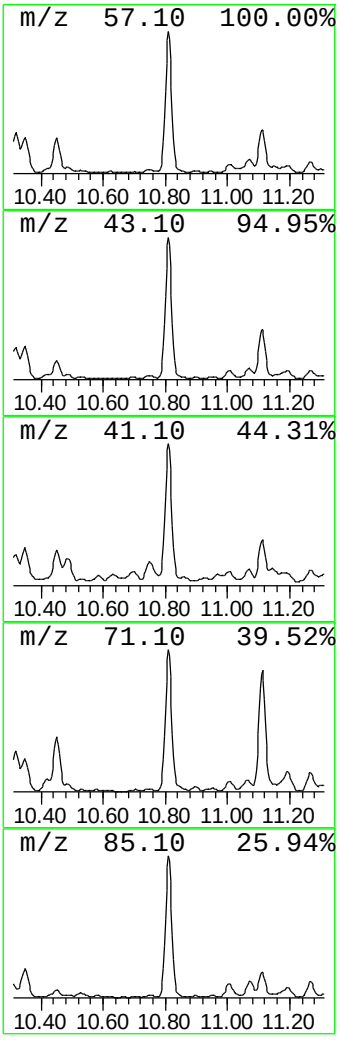
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	127.60 ug/L	4563500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-ethyl-	142	C10H22	015869-86-0	90
2	Decane	142	C10H22	000124-18-5	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Undecane	156	C11H24	001120-21-4	59
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

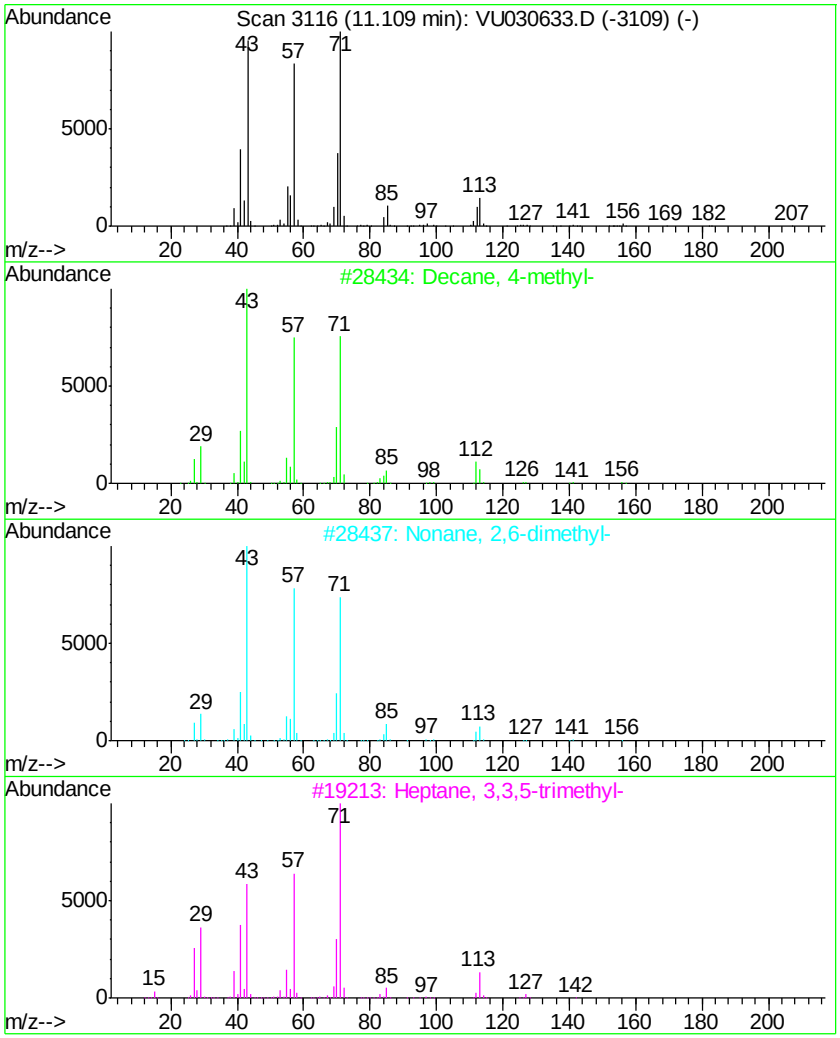
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

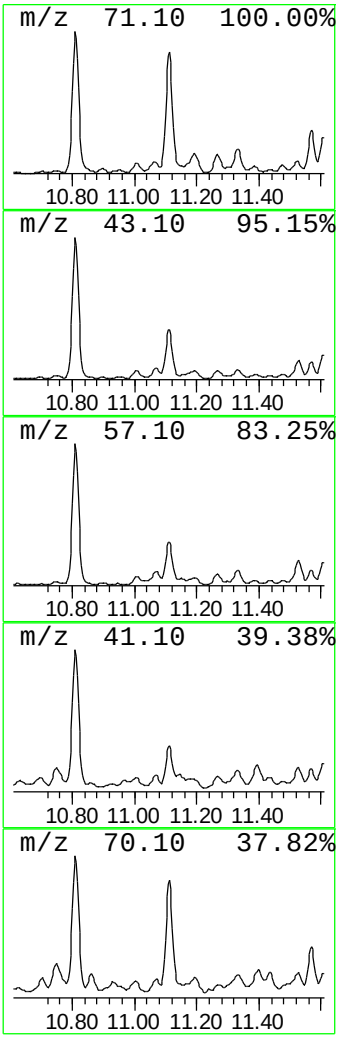
****

Peak Number 52 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	43.38 ug/L	1551600	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	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	87
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5	Decane, 5-ethyl-5-methyl-	184	C13H28	017312-74-2	64





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

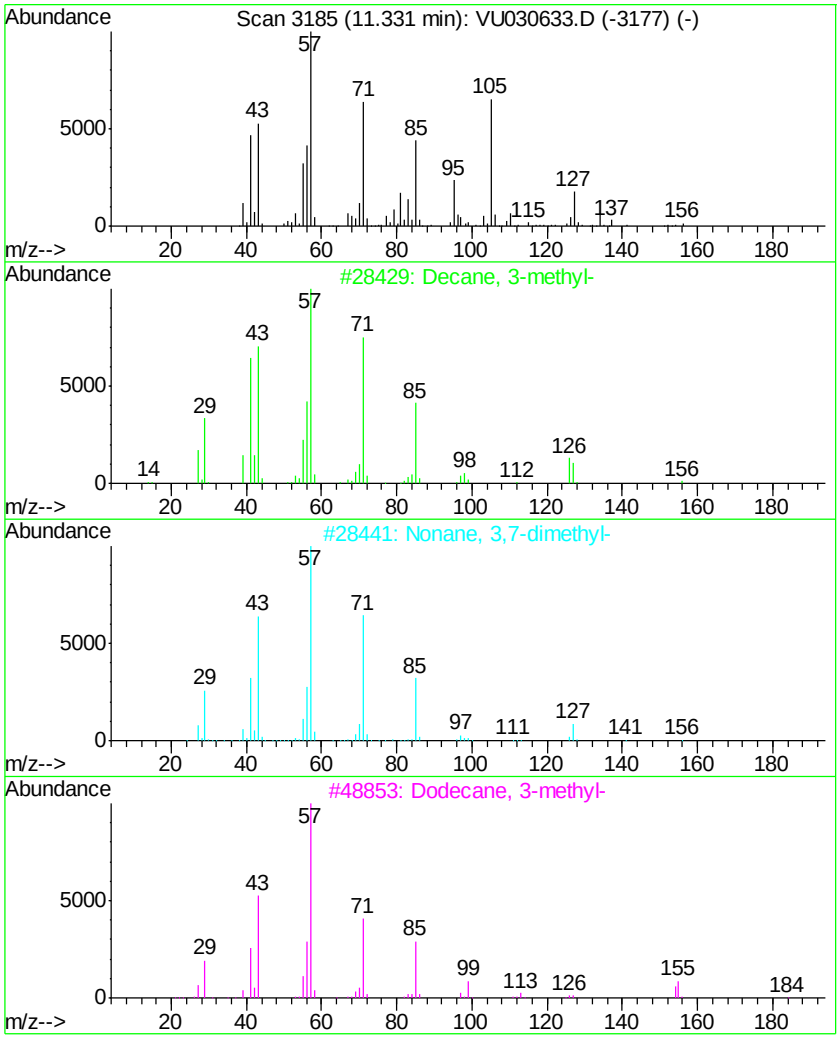
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

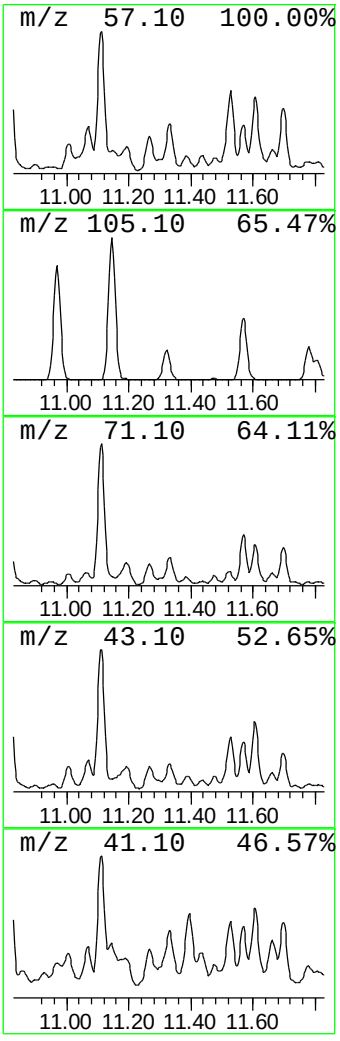
****

Peak Number 54 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	25.53 ug/L	912950	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	62
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	47
5	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

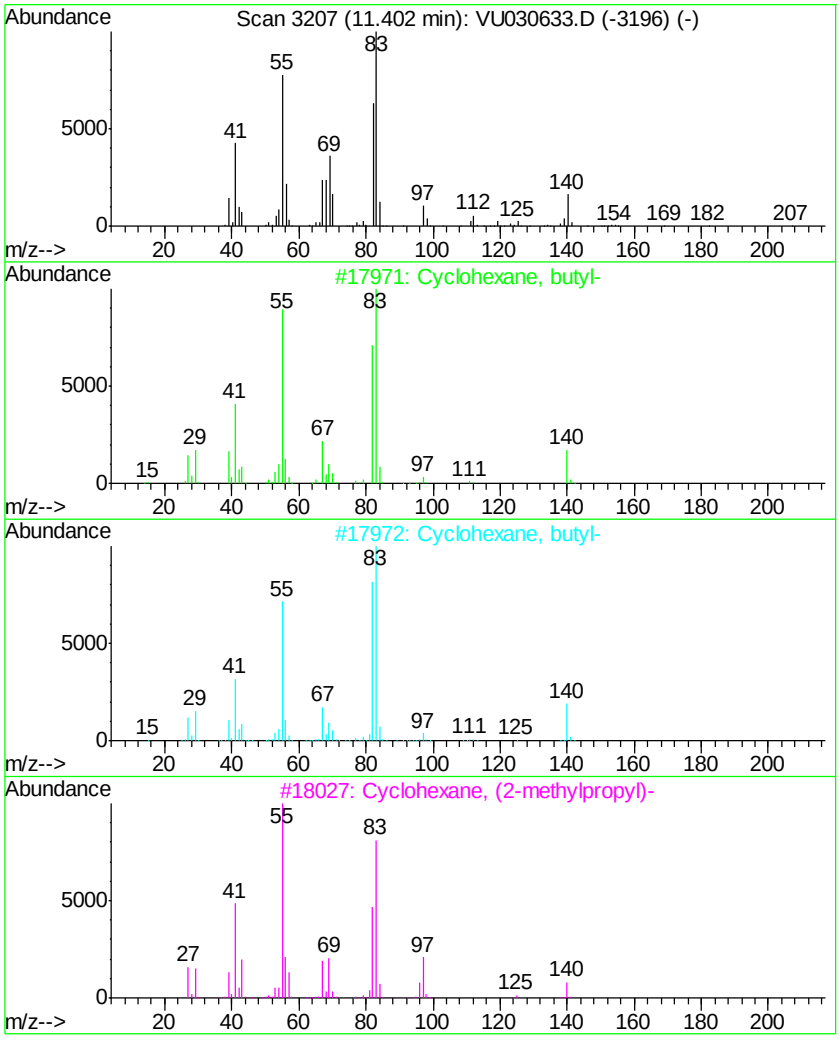
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

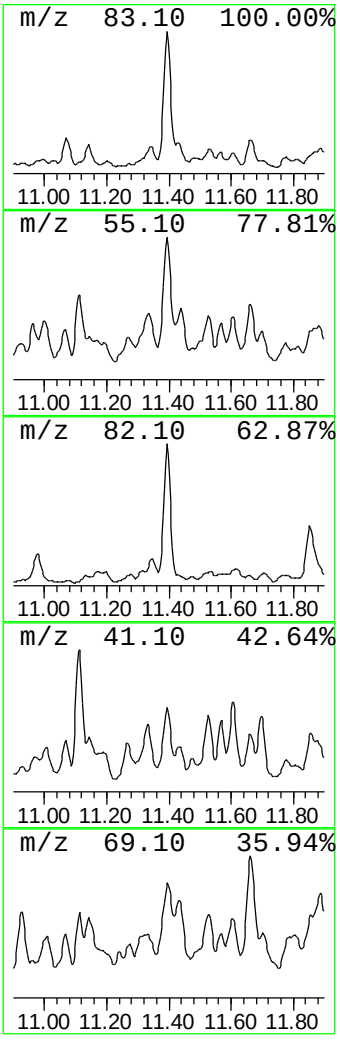
****

Peak Number 55 (DEL) Alkane: Cyclic11.40 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	23.09 ug/L	825636	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	86
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	83
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

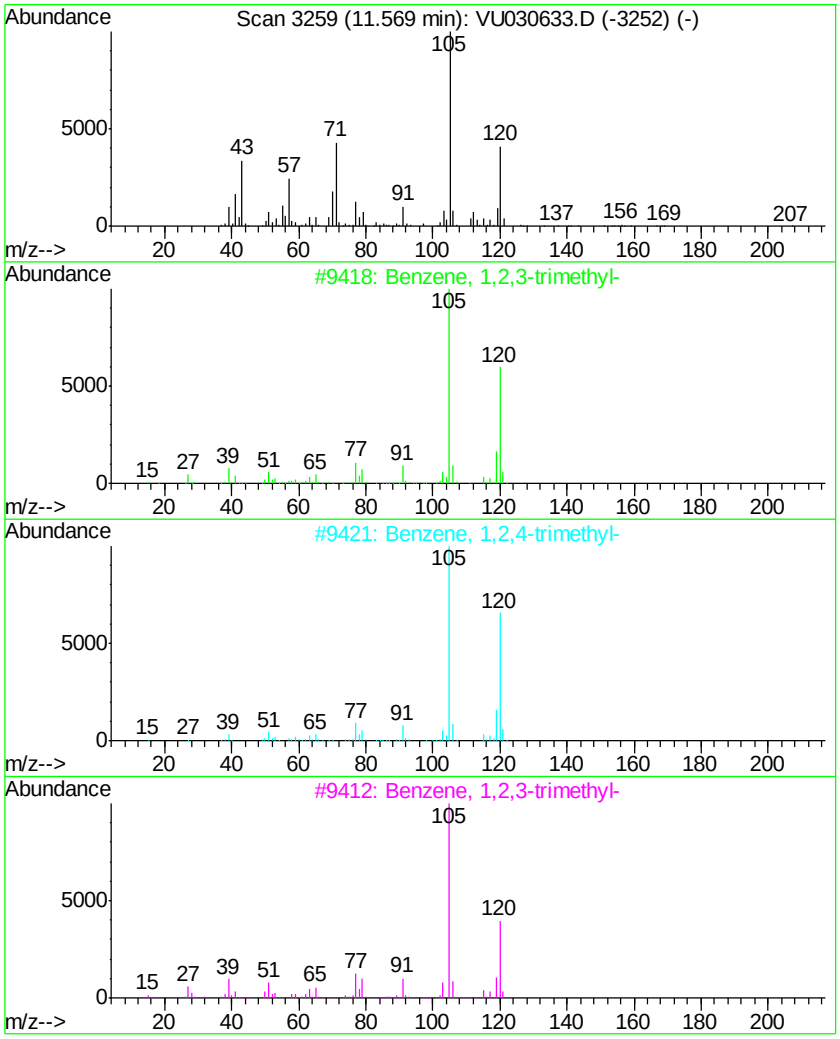
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

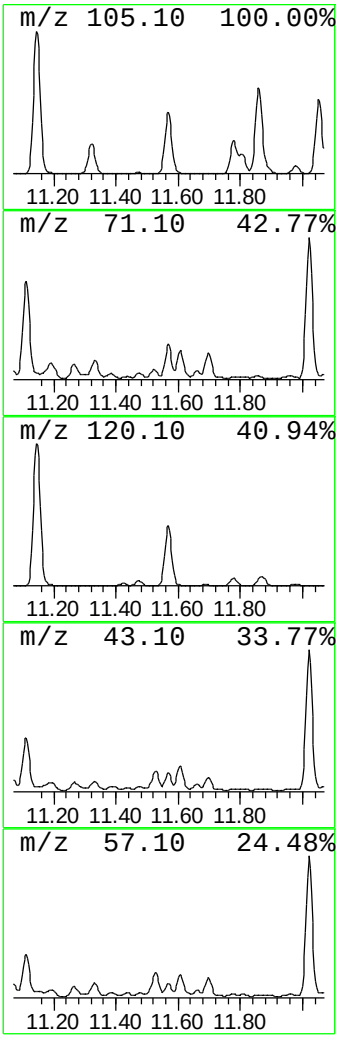
****

Peak Number 56 Benzene, 1,2,3-trimethyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	28.40 ug/L	1015610	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	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	78
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	70
4	Mesitylene	120	C9H12	000108-67-8	60
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

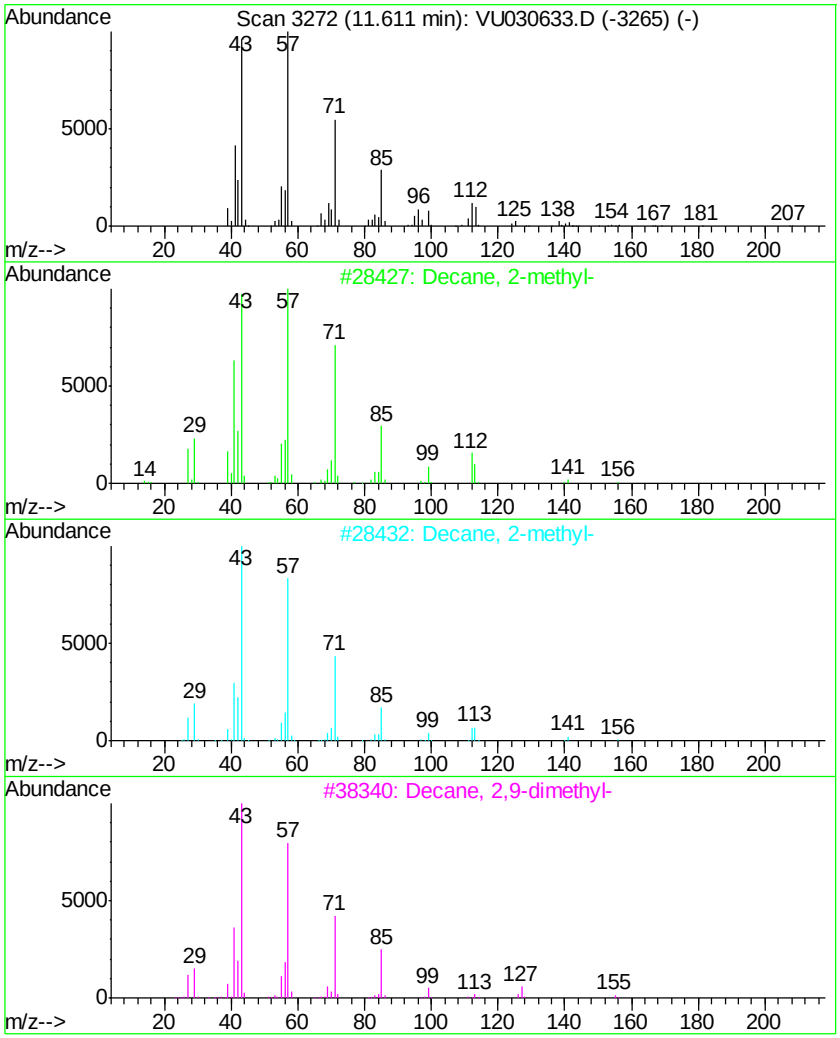
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

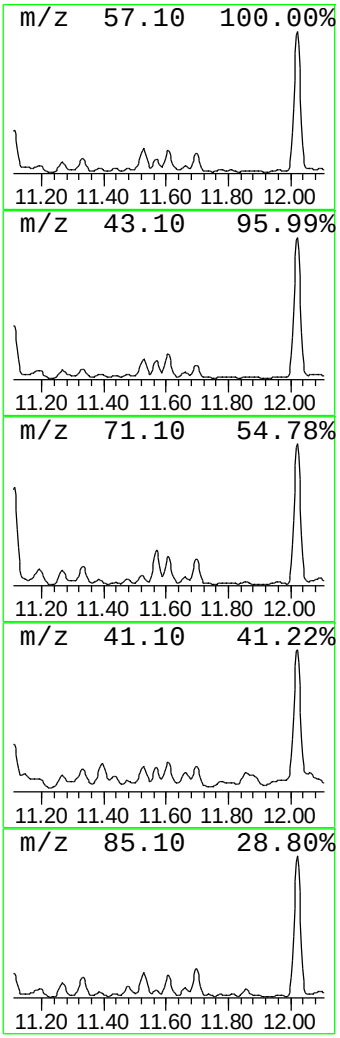
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	20.37 ug/L	728454	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	96
2	Decane, 2-methyl-	156	C11H24	006975-98-0	76
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	64
5	Dodecane	170	C12H26	000112-40-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

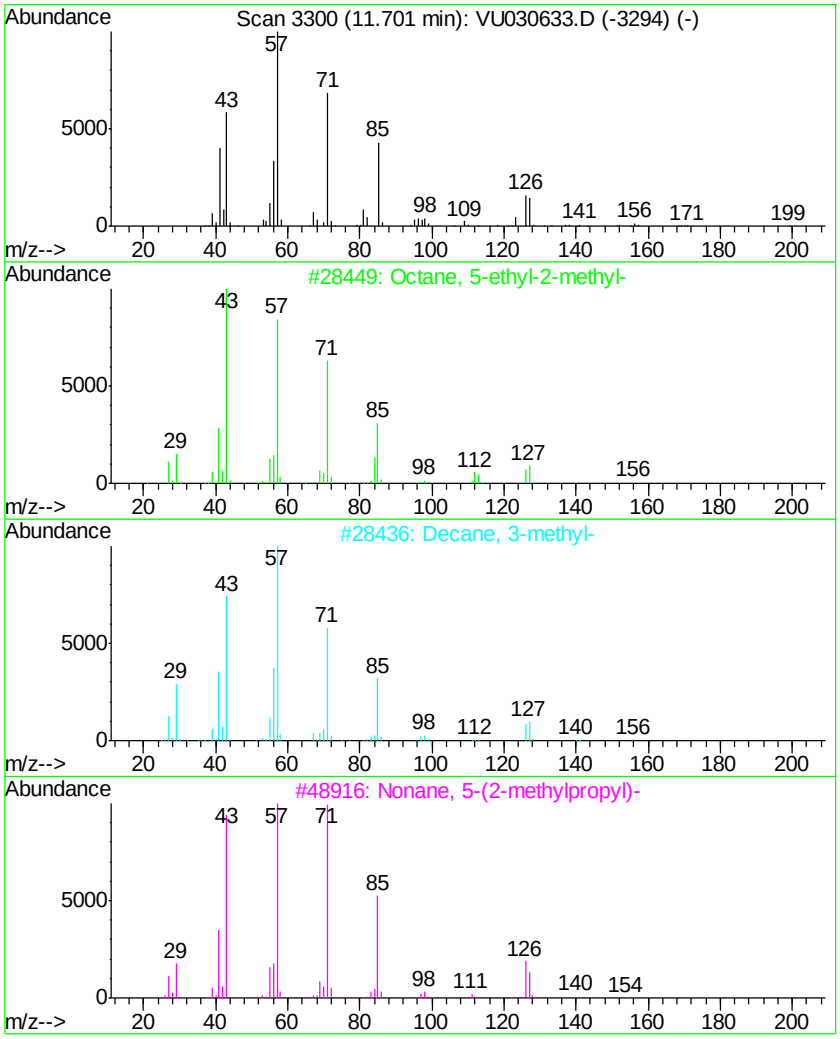
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

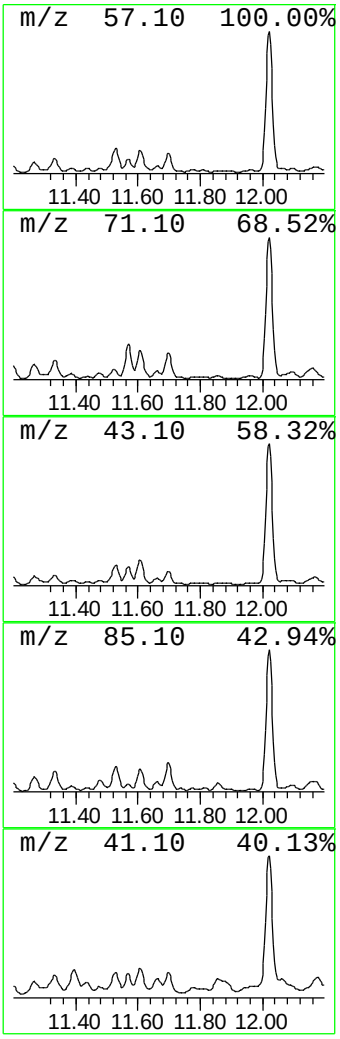
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	20.04 ug/L	716625	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	72
2	Decane, 3-methyl-	156	C11H24	013151-34-3	64
3	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	59
5	Tetratetracontane	619	C44H90	007098-22-8	59





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Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

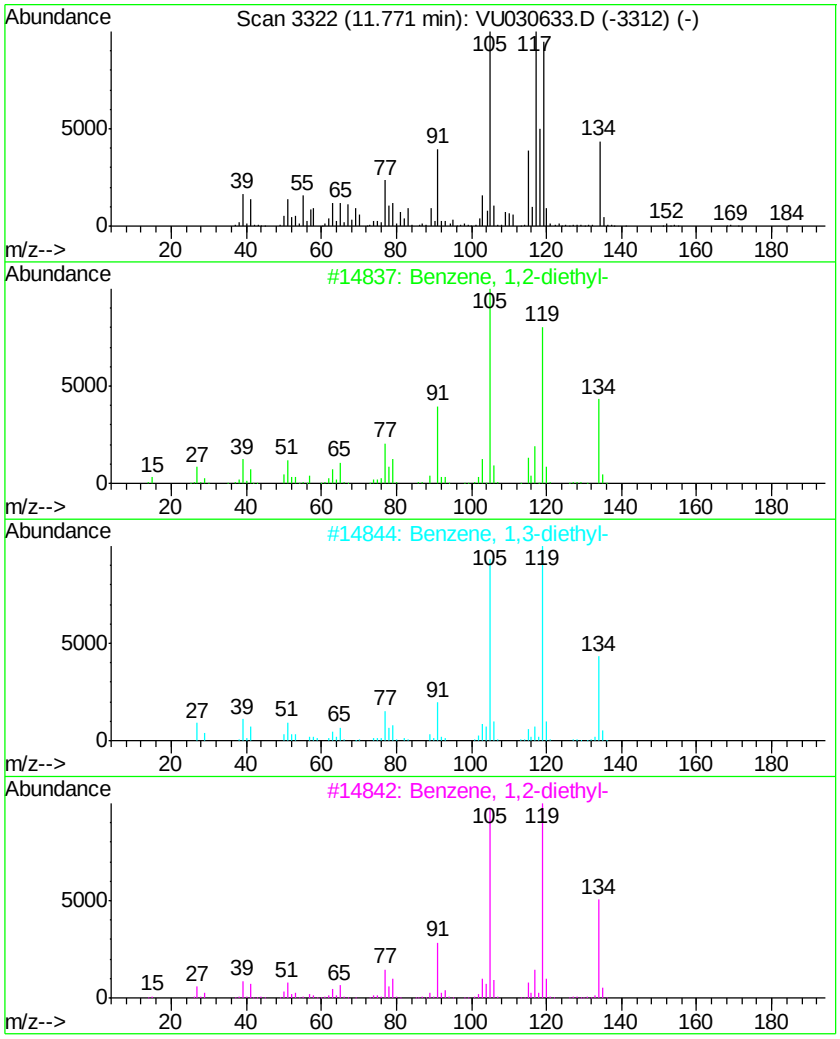
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

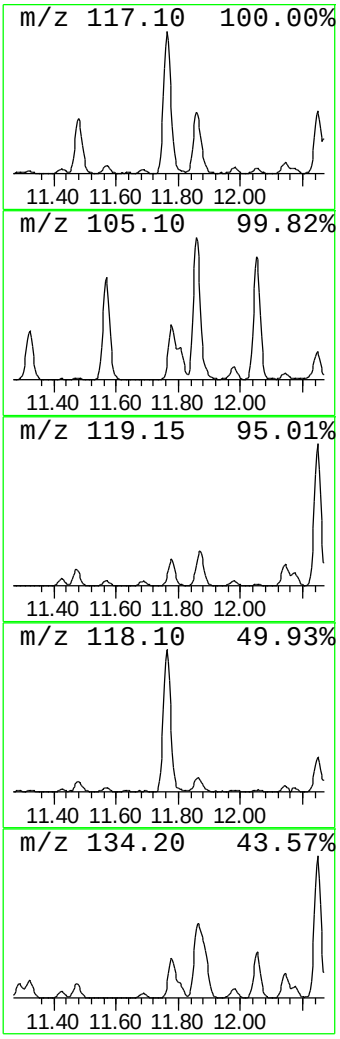
****

Peak Number 59 Benzene, 1,2-diethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	37.61 ug/L	1345190	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	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	76
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	76
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	70
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	68





Library Search Compound Report

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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

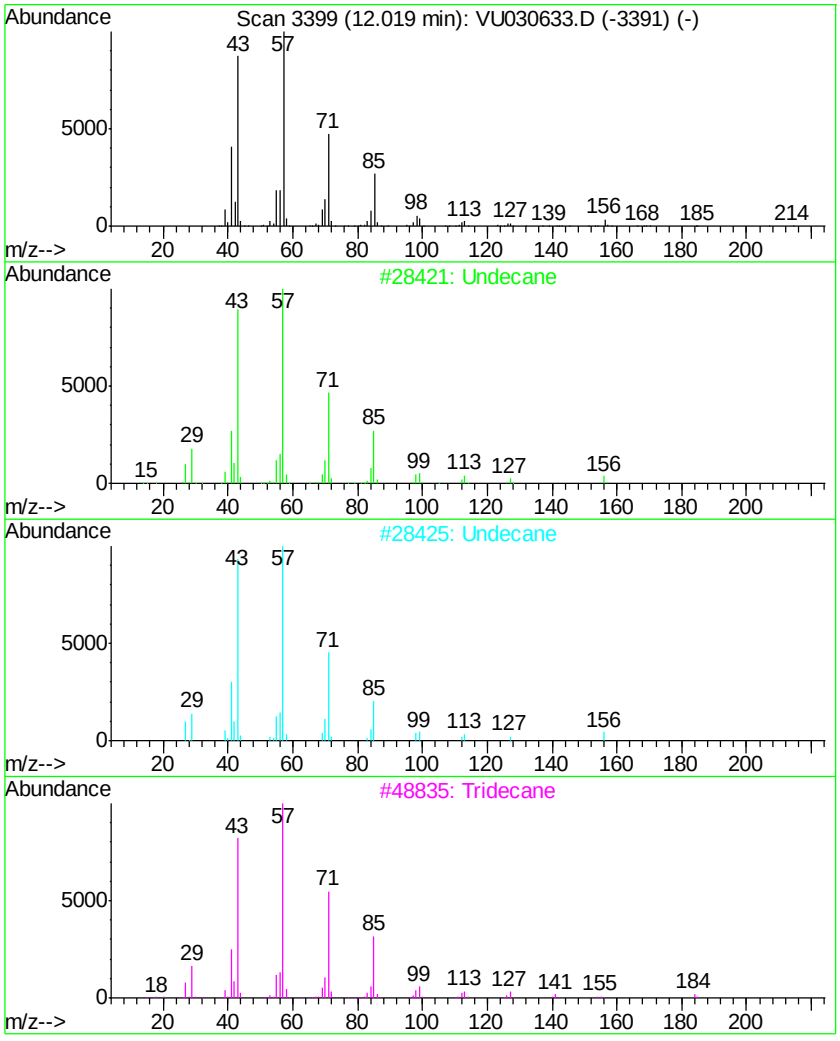
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

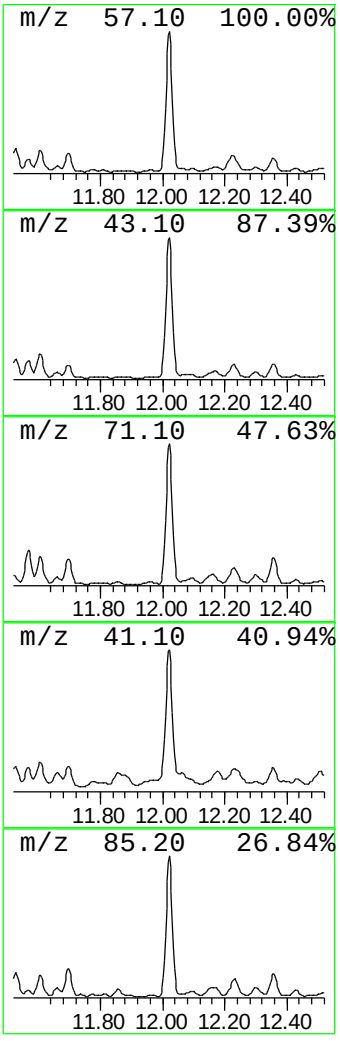
****

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	120.57 ug/L	4311960	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Undecane	156	C11H24	001120-21-4	91
3	Tridecane	184	C13H28	000629-50-5	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Undecane	156	C11H24	001120-21-4	87





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

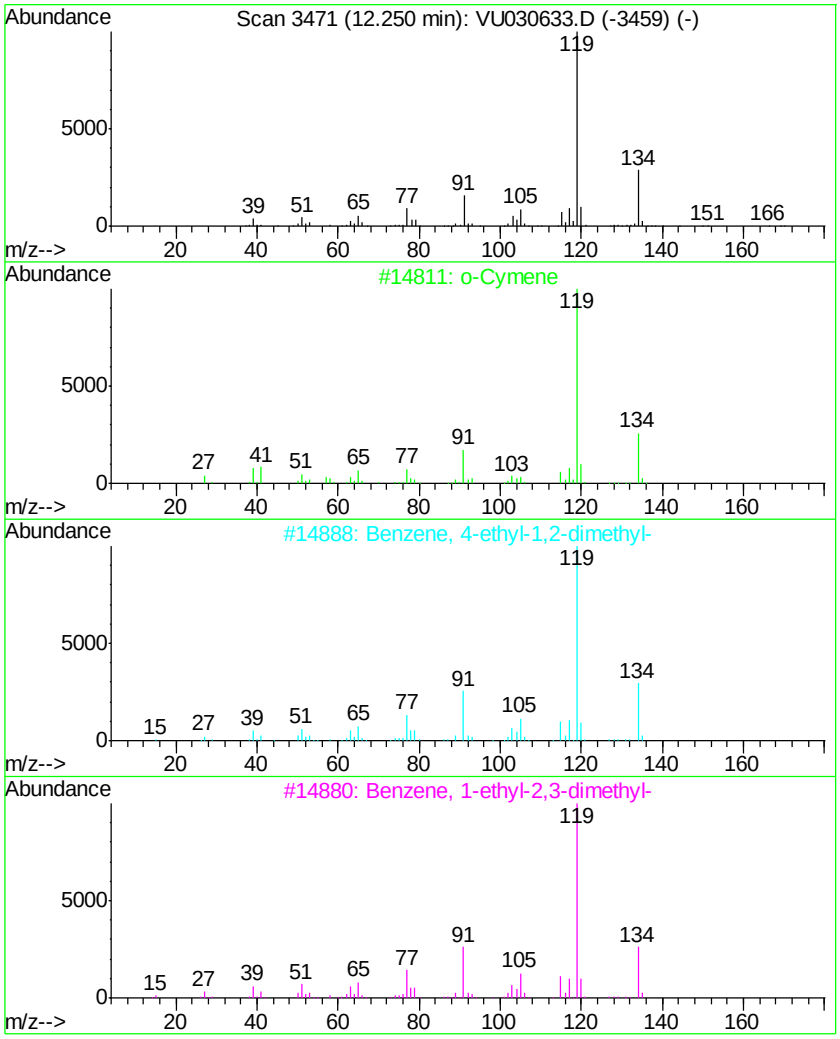
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

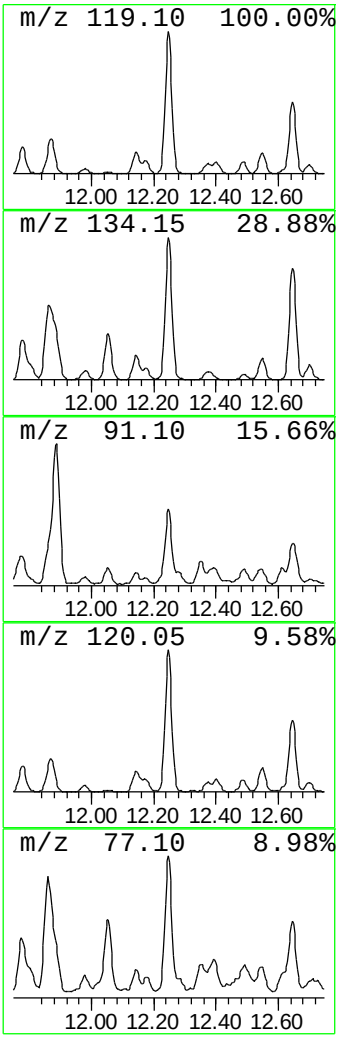
****

Peak Number 61 o-Cymene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	52.83 ug/L	1889480	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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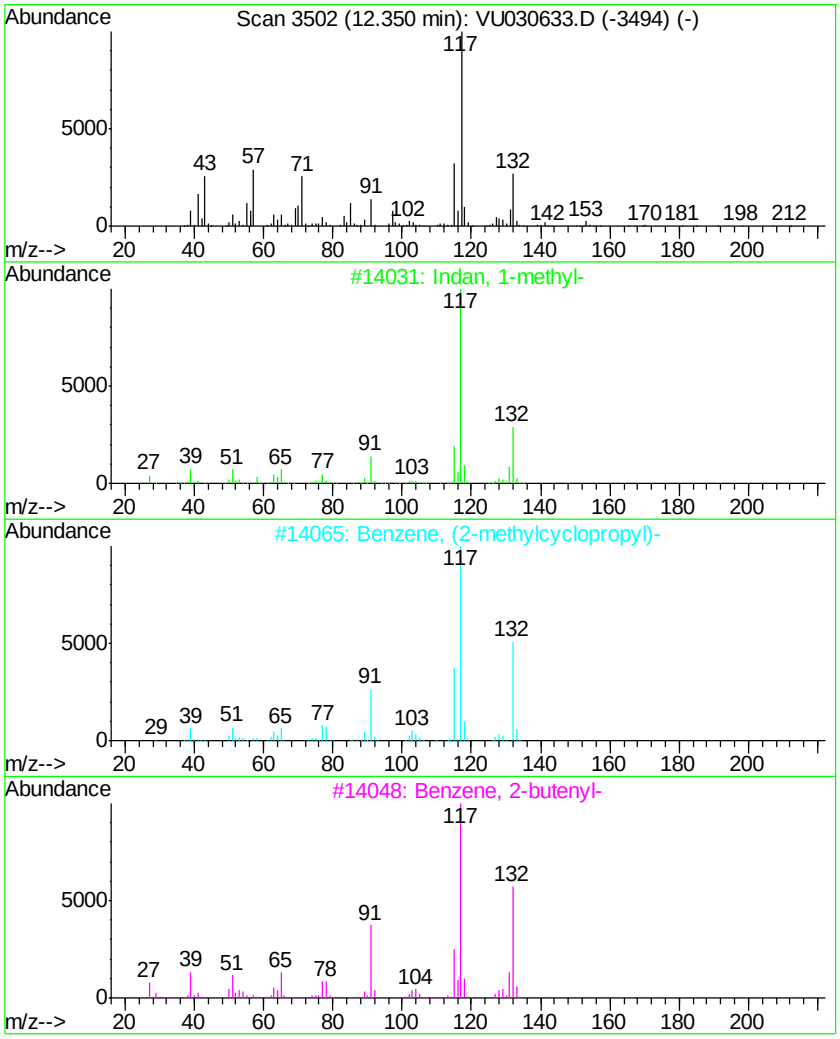
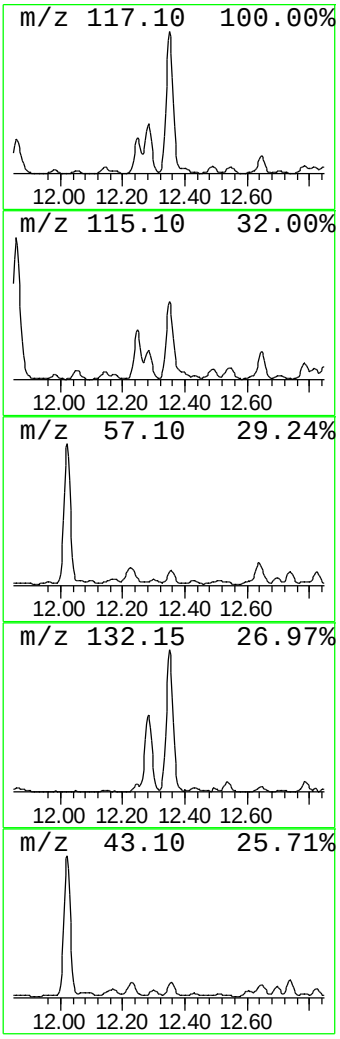
Peak Number 62 Indan, 1-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	40.68 ug/L	1454720	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	76
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	70
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	68
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	68
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	64





Library Search Compound Report

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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

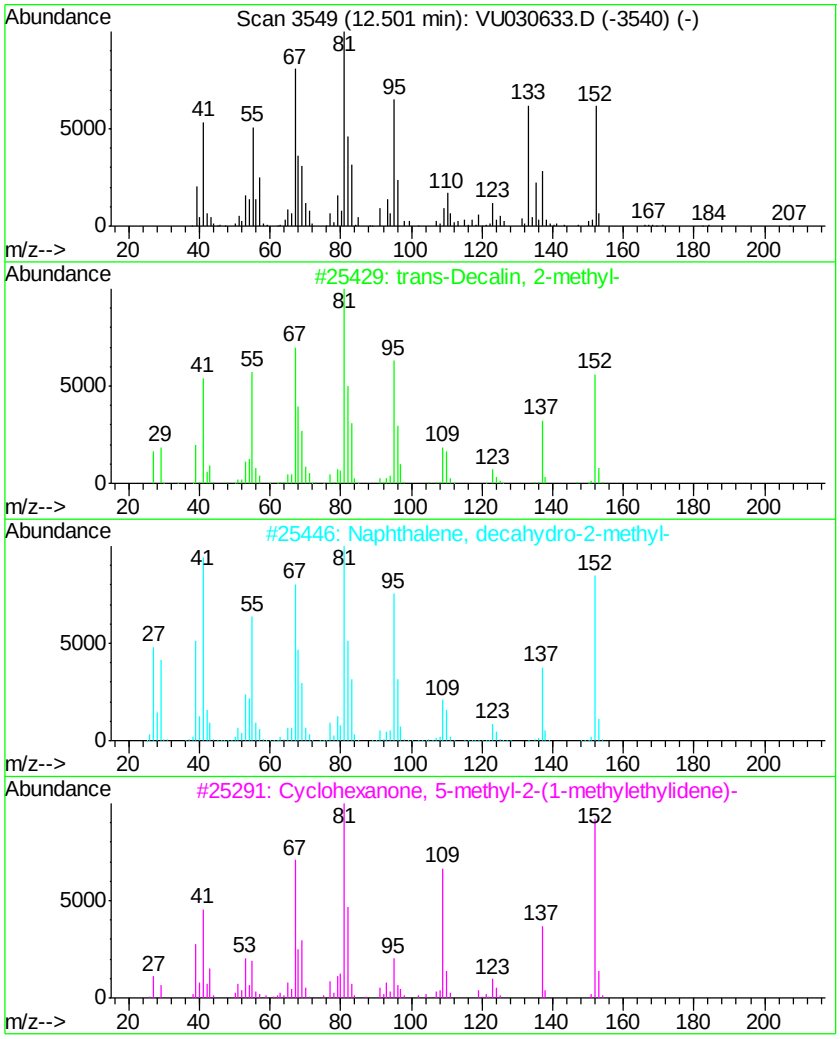
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

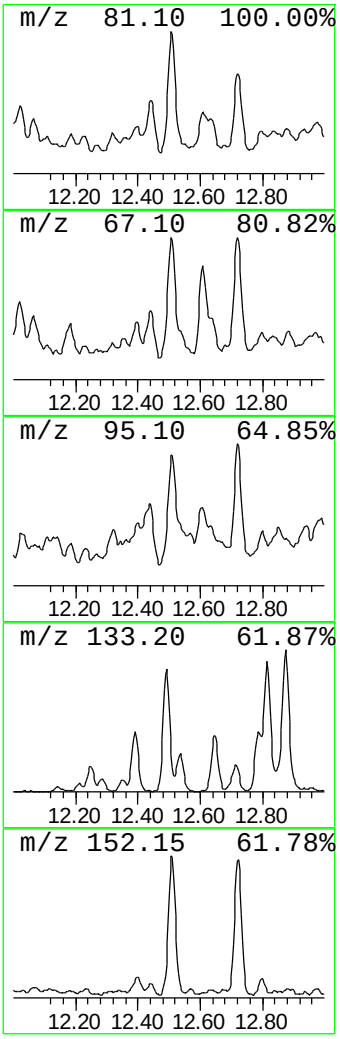
****

Peak Number 63 trans-Decalin, 2-methyl- Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	21.17 ug/L	757229	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	76
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	64
5	Pulegone	152	C10H16O	000089-82-7	58





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

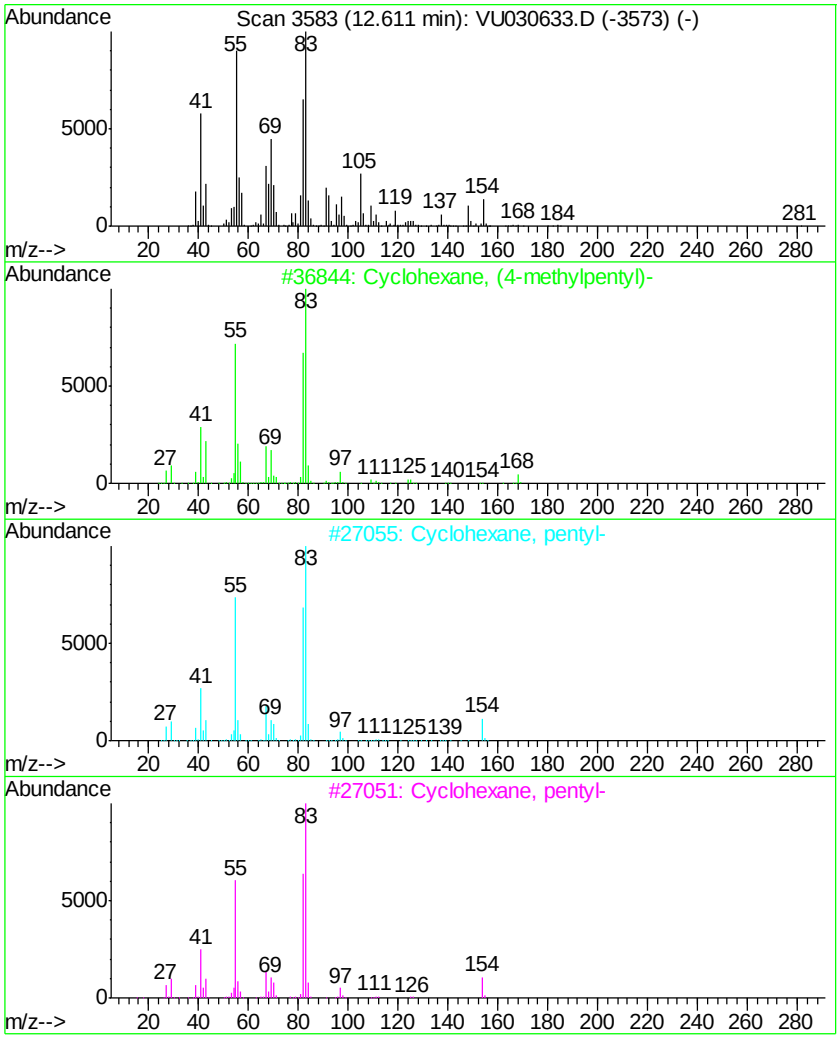
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

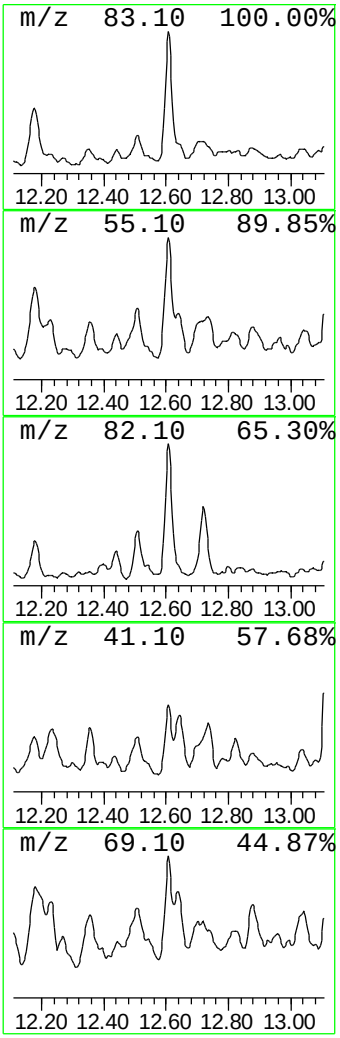
****

Peak Number 64 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	34.41 ug/L	1230530	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	53
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46





Library Search Compound Report

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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

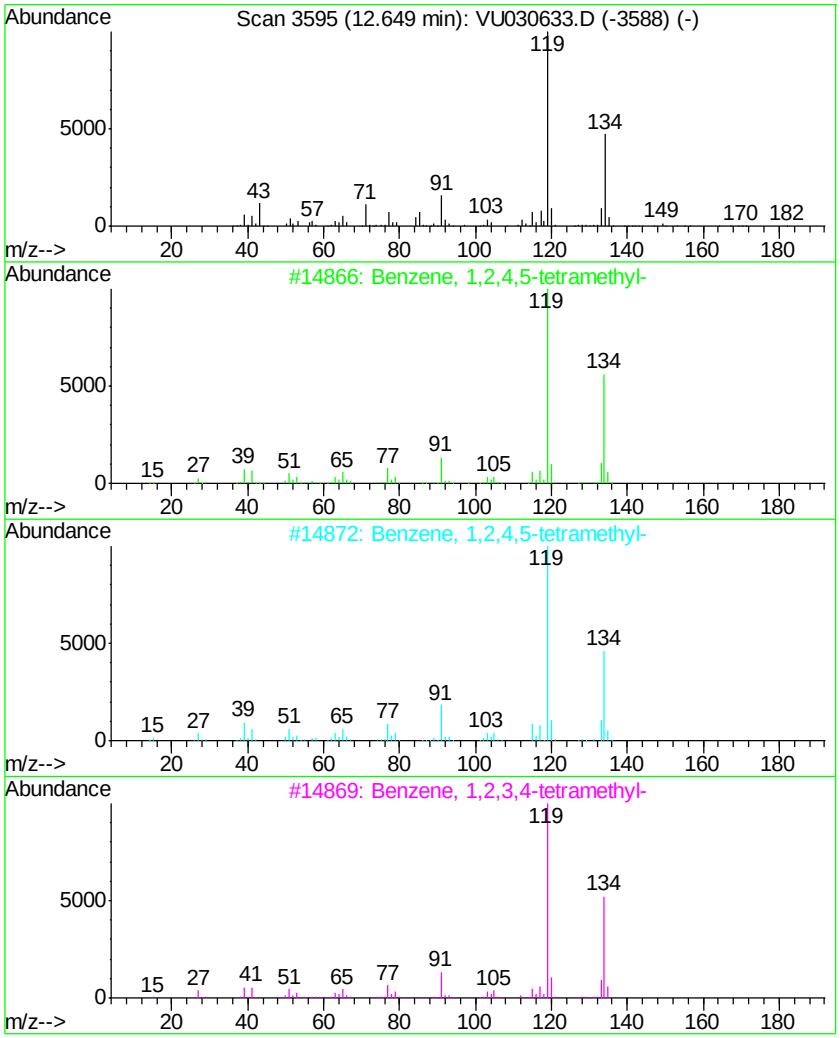
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

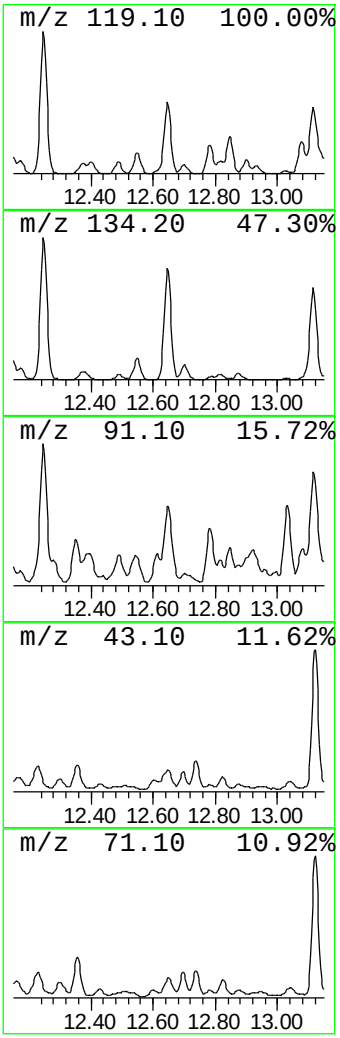
****

Peak Number 65 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	49.22 ug/L	1760380	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	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Library Search Compound Report

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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

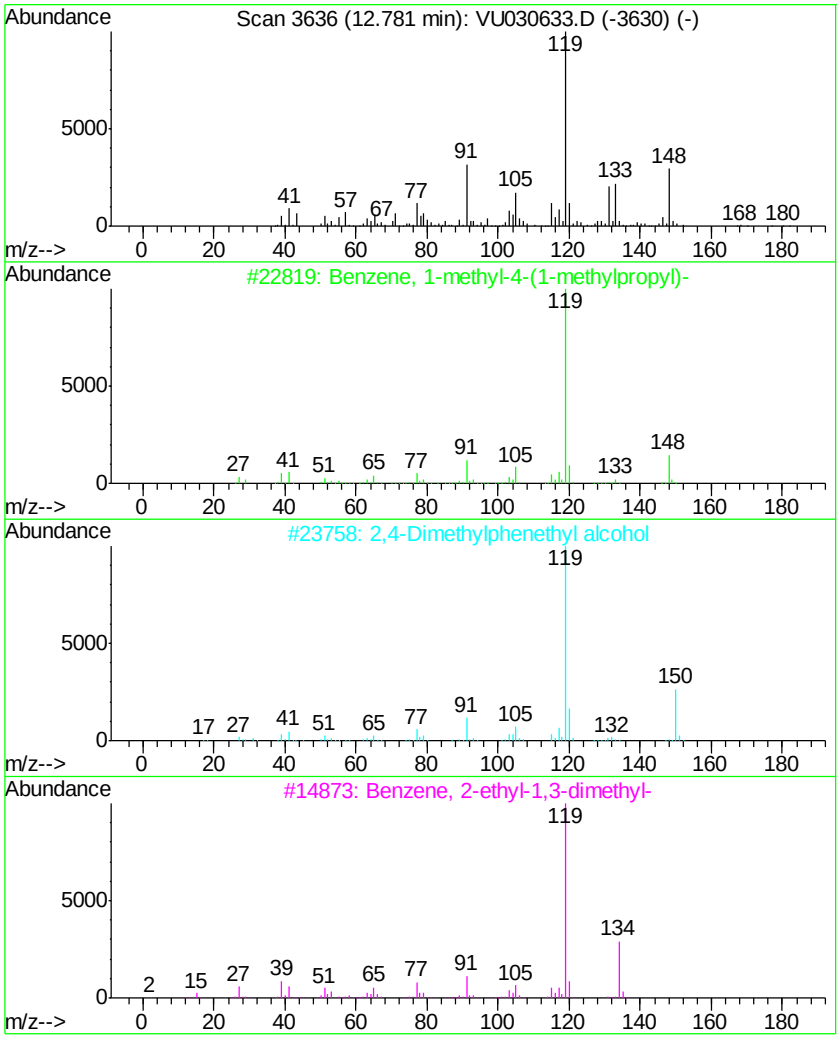
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

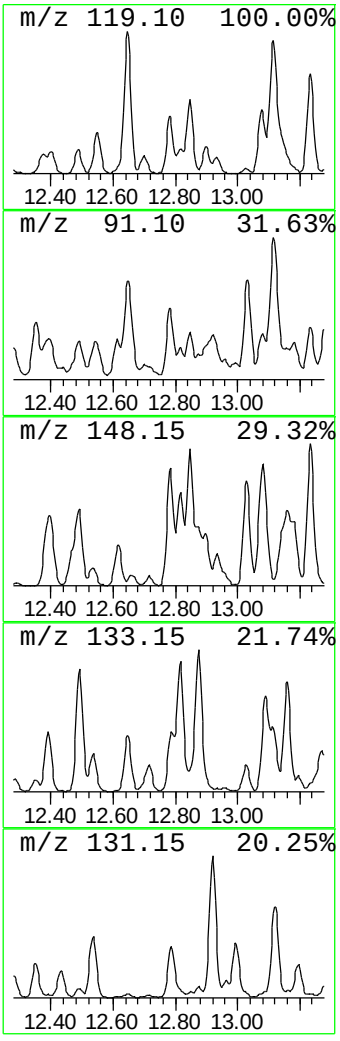
****

Peak Number 66 Benzene, 1-methyl-4-(1-meth... Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	17.65 ug/L	631279	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	62
2	2,4-Dimethylphenethyl alcohol	150	C10H14O	006597-59-7	55
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55
5	o-Cymene	134	C10H14	000527-84-4	55





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

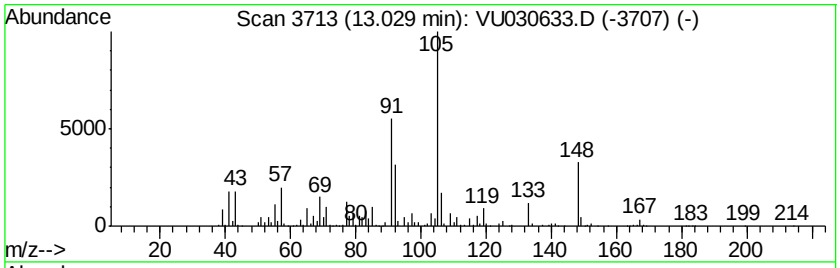
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

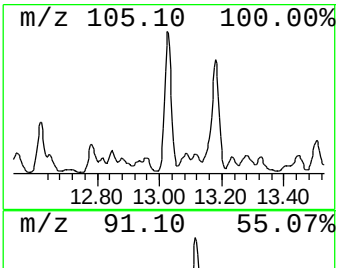
****

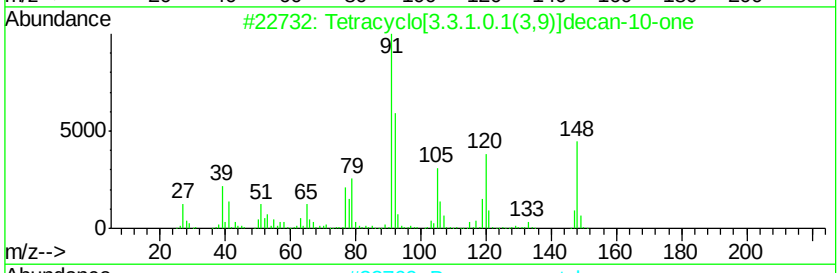
Peak Number 67 Tetracyclo[3.3.1.0.1(3,9)]d... Concentration Rank 77

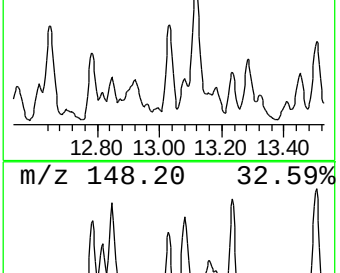
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	19.19 ug/L	686238	1,4-Dichlorobenzene-d4	11.48

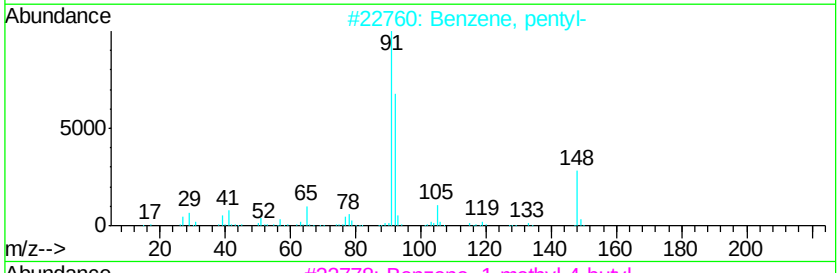
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[3.3.1.0.1(3,9)]decan-...	148	C10H12O	016492-06-1	62
2	Benzene, pentyl-	148	C11H16	000538-68-1	46
3	Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	35
4	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	30
5	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	27

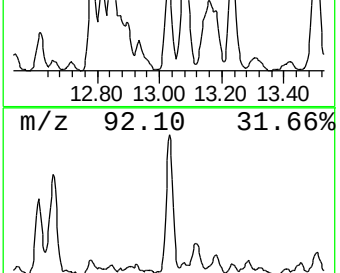


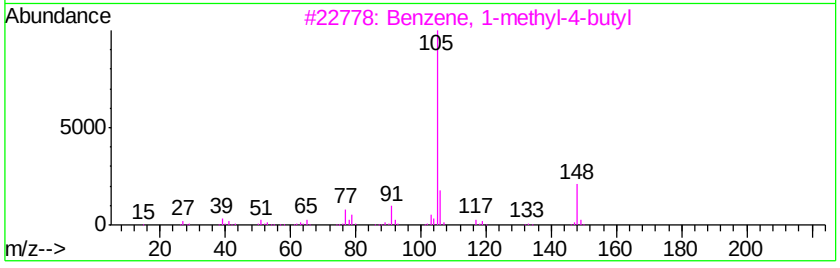


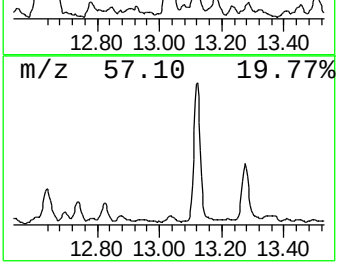












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

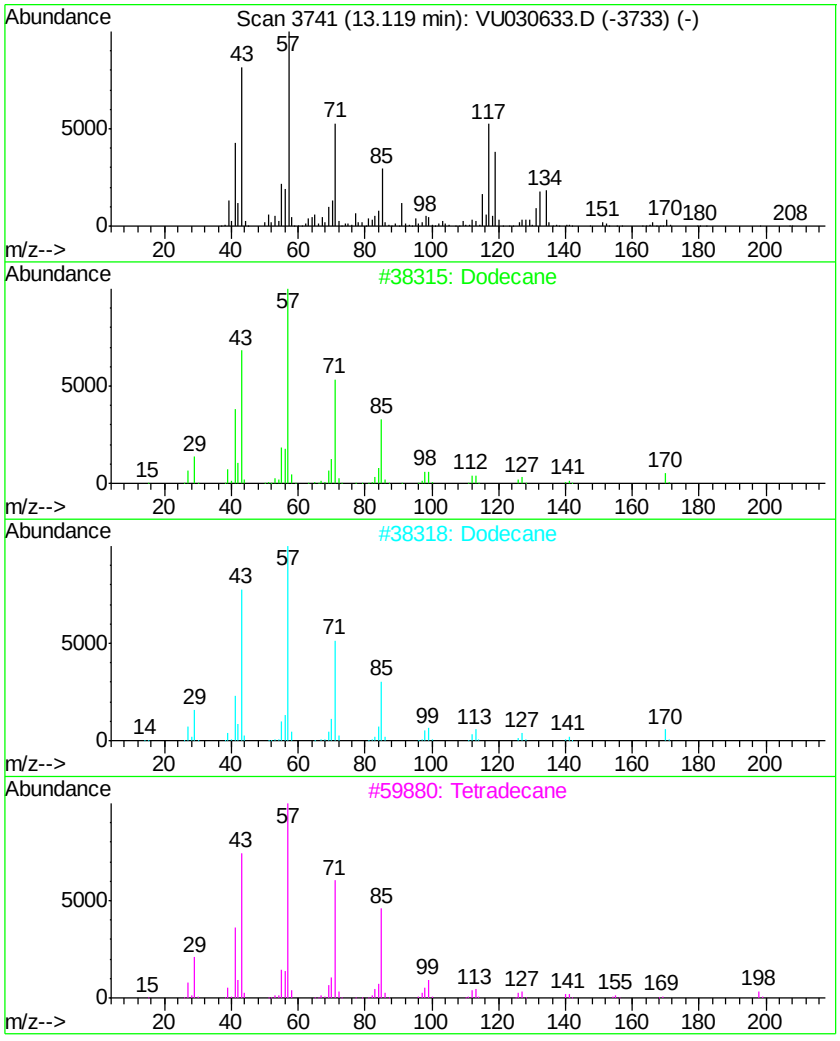
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

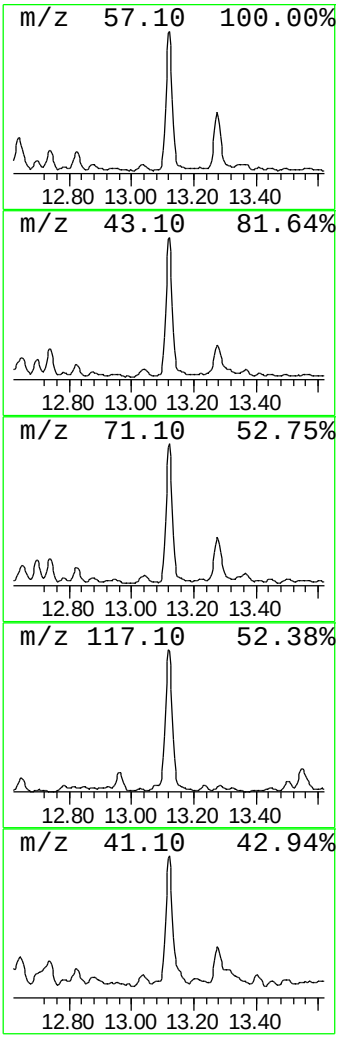
****

Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	149.70 ug/L	5353870	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	55
2	Dodecane	170	C12H26	000112-40-3	42
3	Tetradecane	198	C14H30	000629-59-4	42
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	35
5	Tridecane	184	C13H28	000629-50-5	30





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

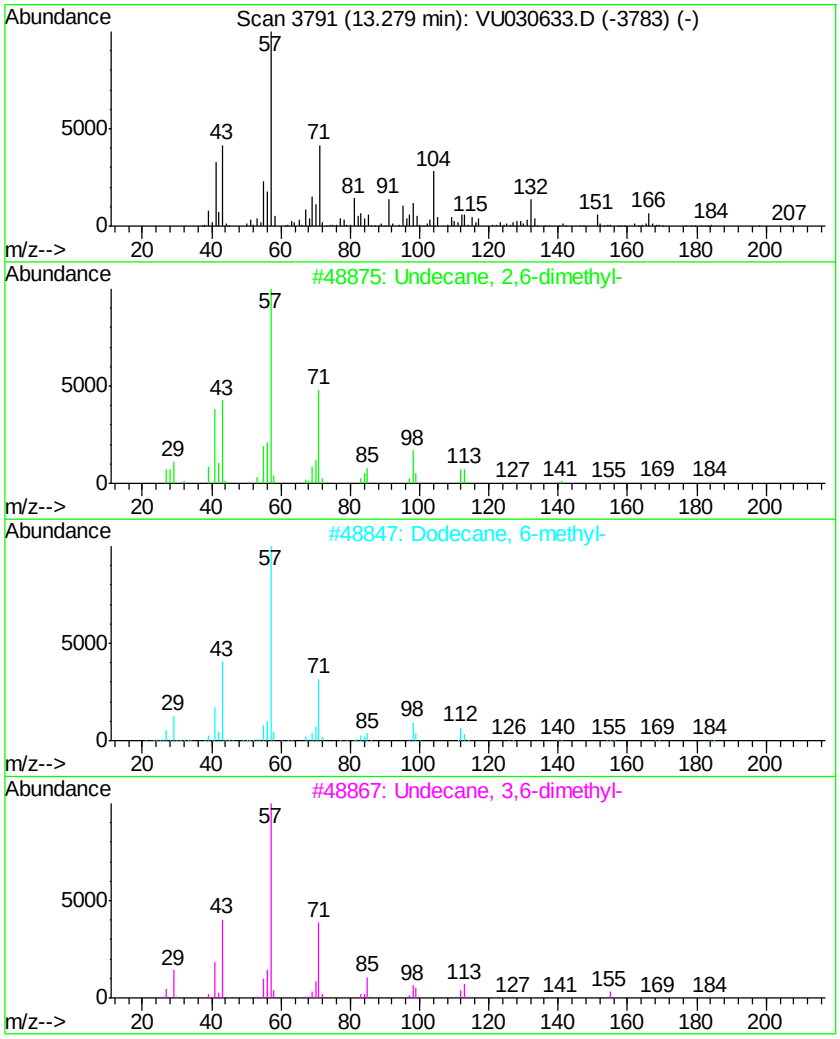
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

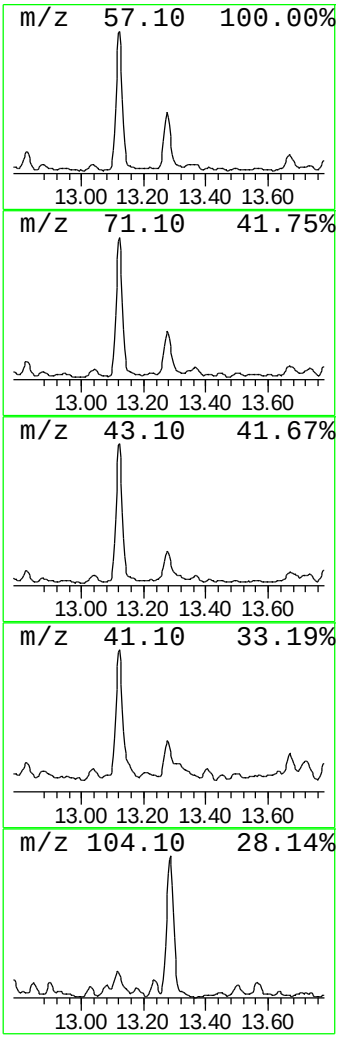
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	39.41 ug/L	1409320	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	89
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	50
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	50
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	38





Library Search Compound Report

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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

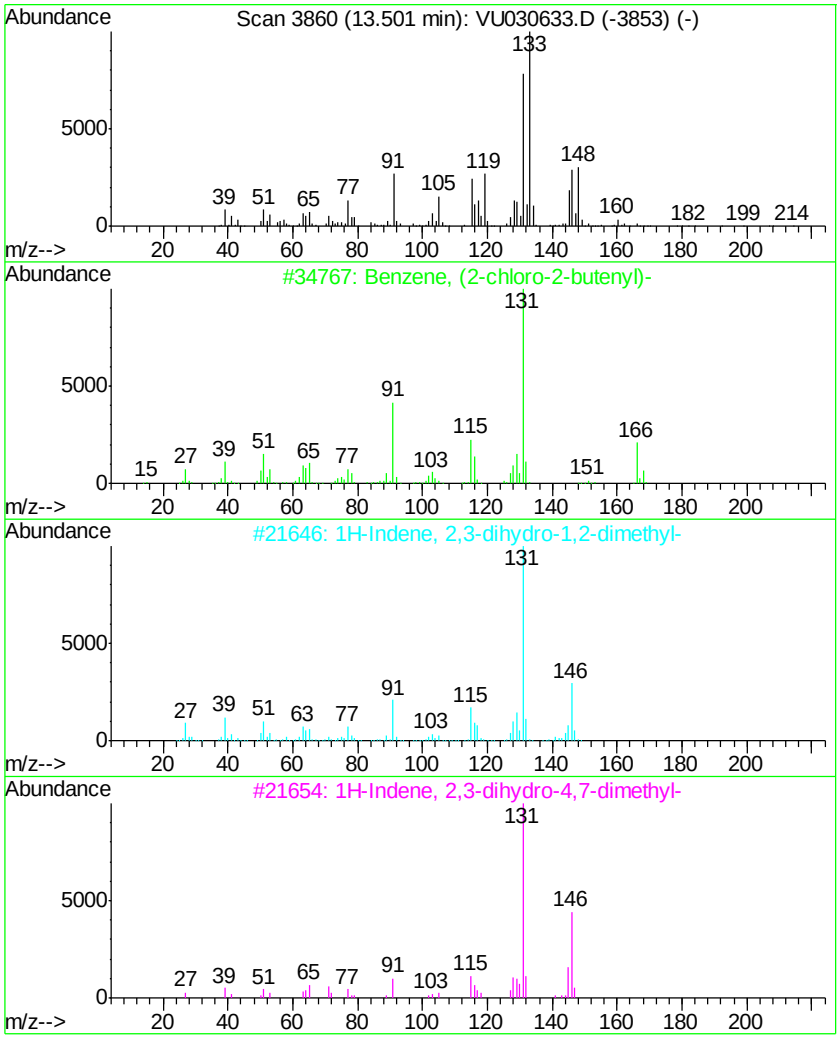
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

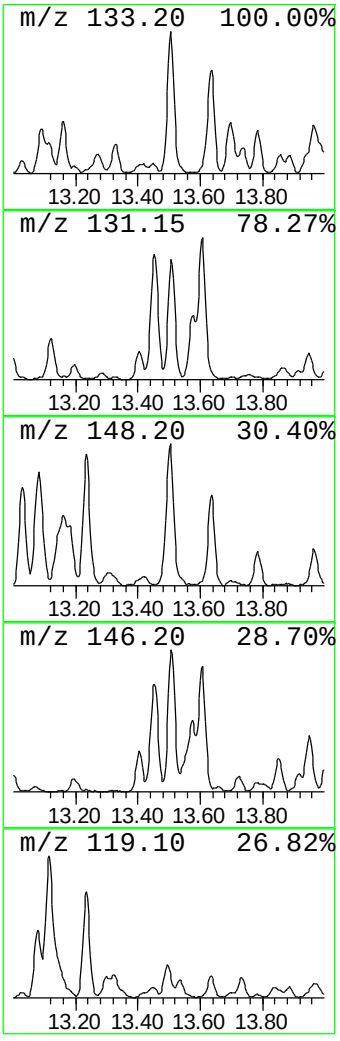
****

Peak Number 70 Benzene, (2-chloro-2-butenyl)- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	30.74 ug/L	1099330	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	81
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

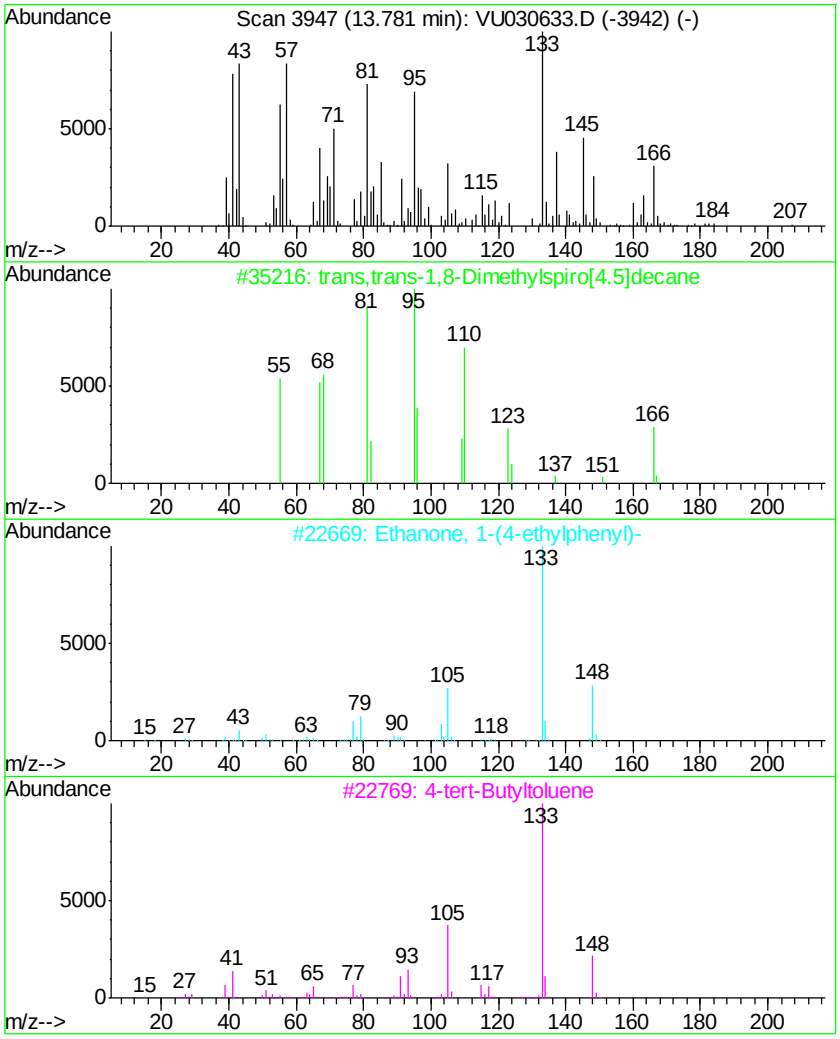
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

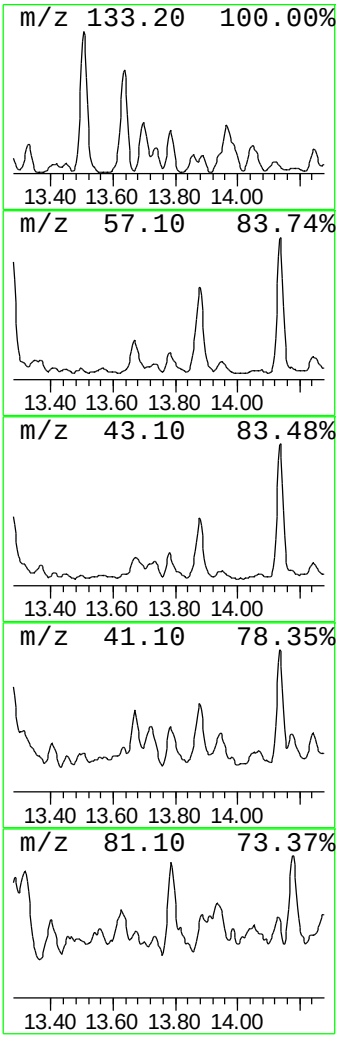
****

Peak Number 71 unknown-02 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	20.16 ug/L	720963	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans,trans-1,8-Dimethylspiro[4....	166	C12H22	1000111-72-8	30
2	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	25
3	4-tert-Butyltoluene	148	C11H16	000098-51-1	25
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	25
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	25





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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

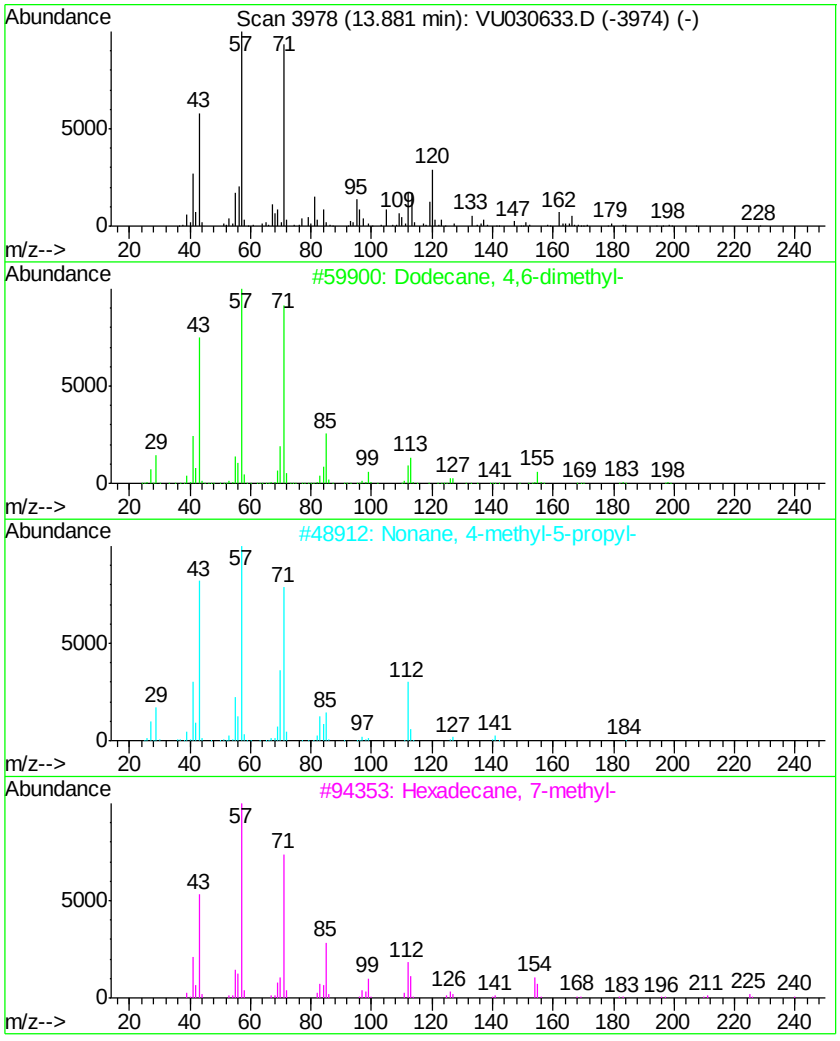
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

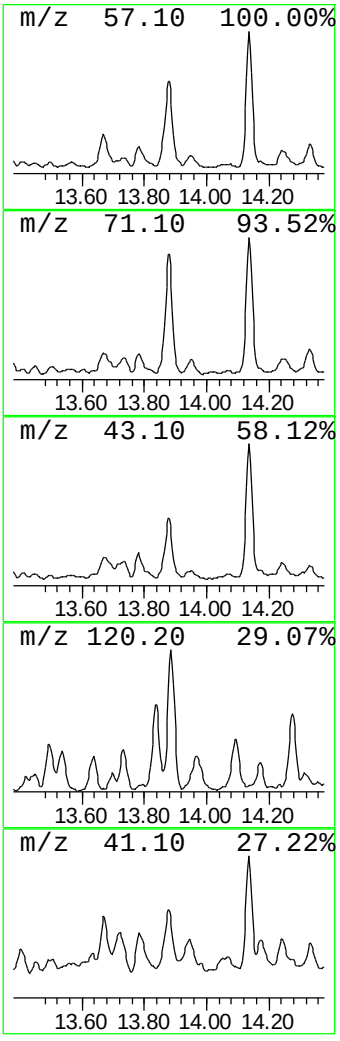
****

Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	18.62 ug/L	665894	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	50
2	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	50
3	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	50
4	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	50
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	47





Library Search Compound Report

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Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

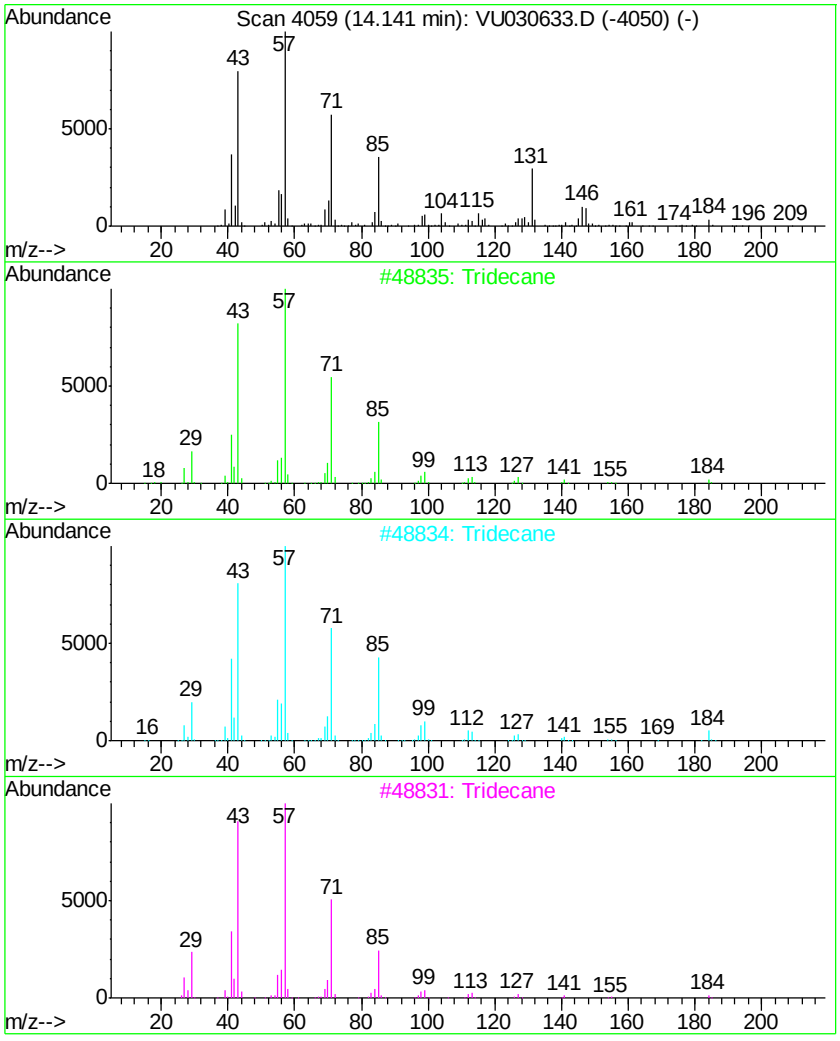
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

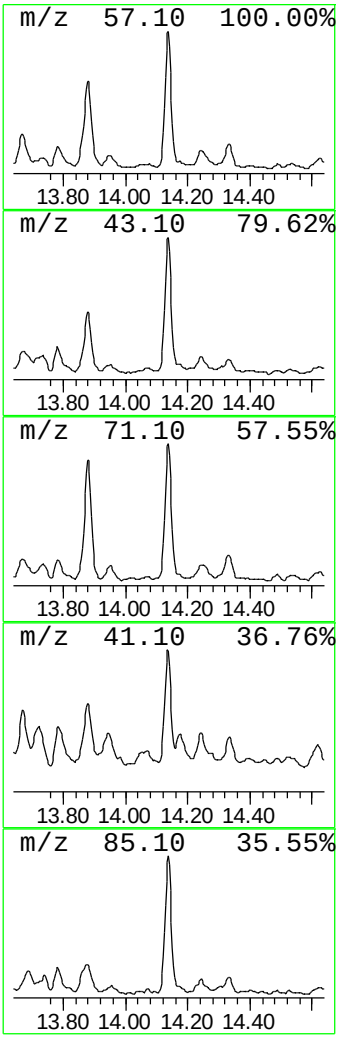
****

Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	43.41 ug/L	1552350	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tridecane	184	C13H28	000629-50-5	86
3	Tridecane	184	C13H28	000629-50-5	64
4	Hexadecane	226	C16H34	000544-76-3	58
5	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

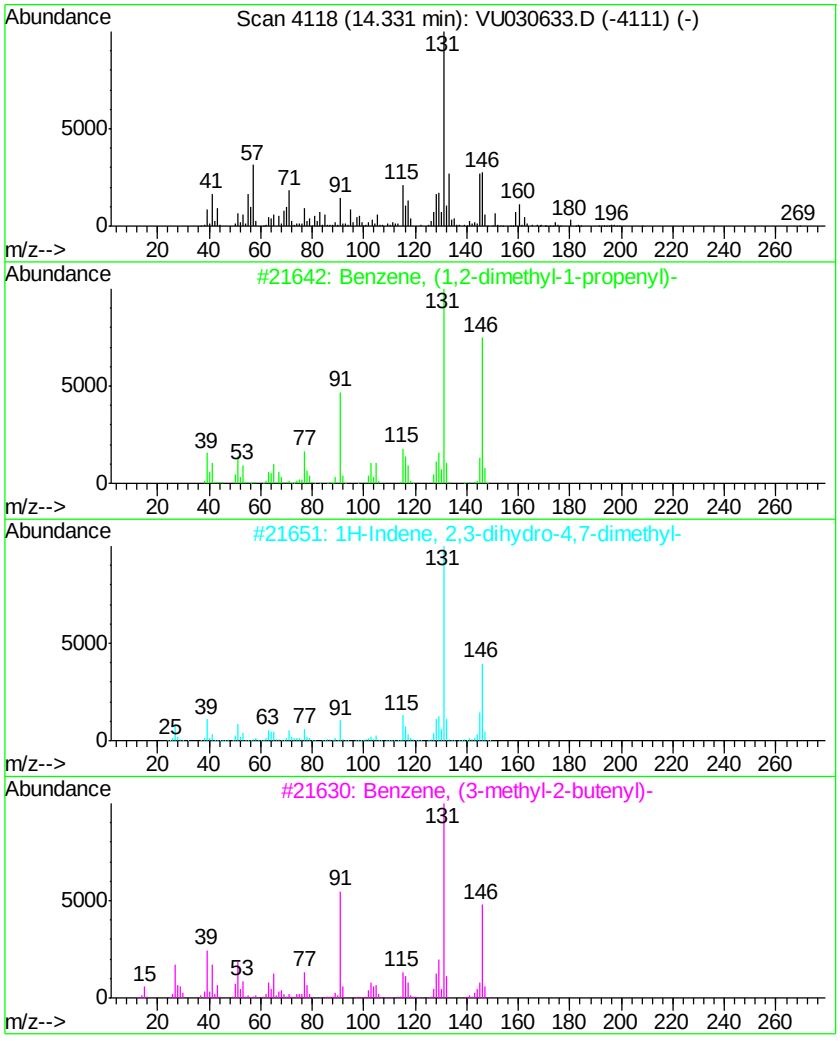
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

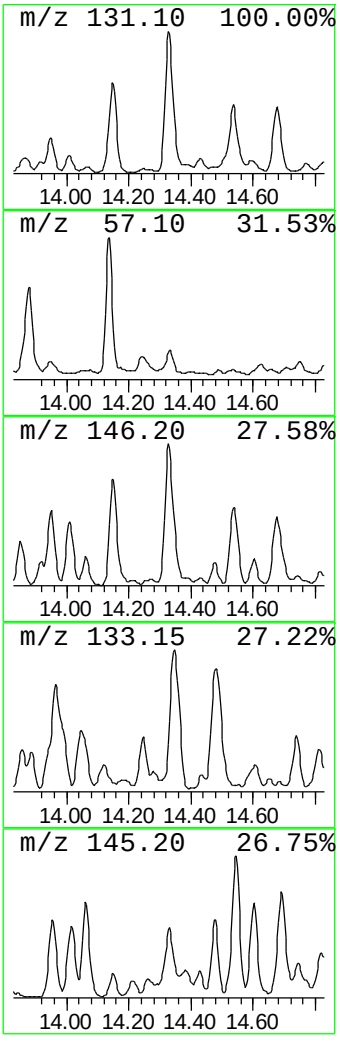
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 74 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	29.62 ug/L	1059440	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-4,7-dimet...	146	C11H14	006682-71-9	76
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

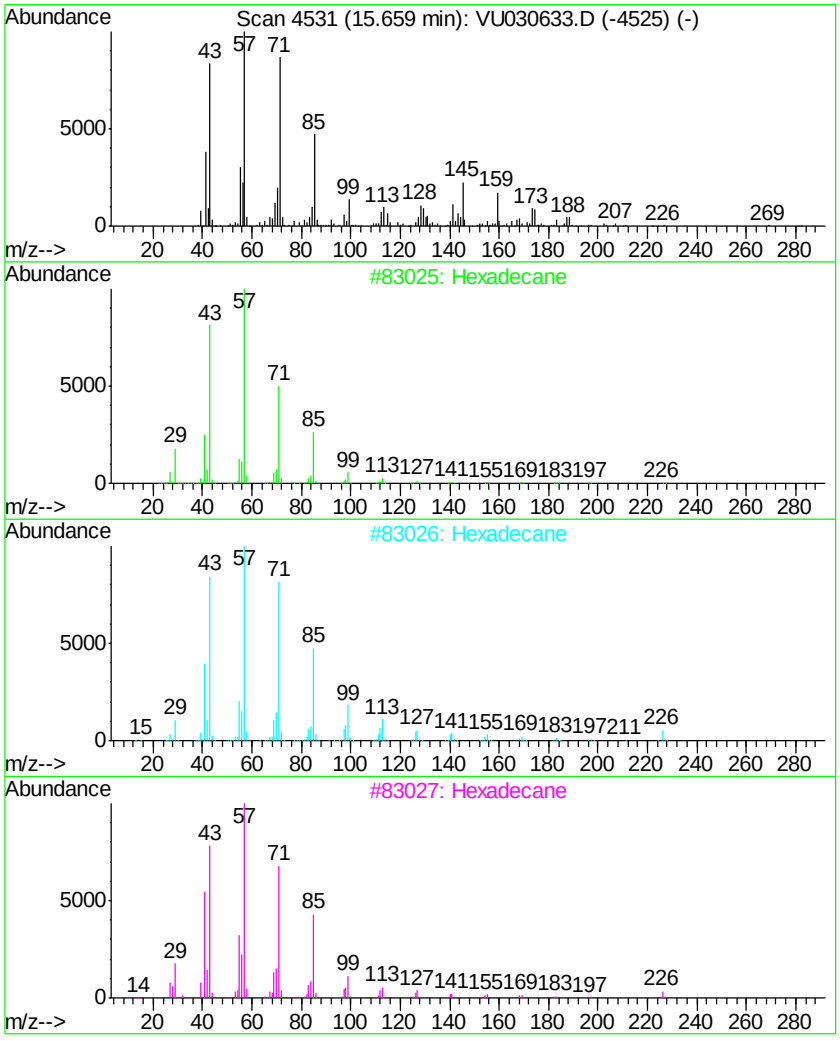
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

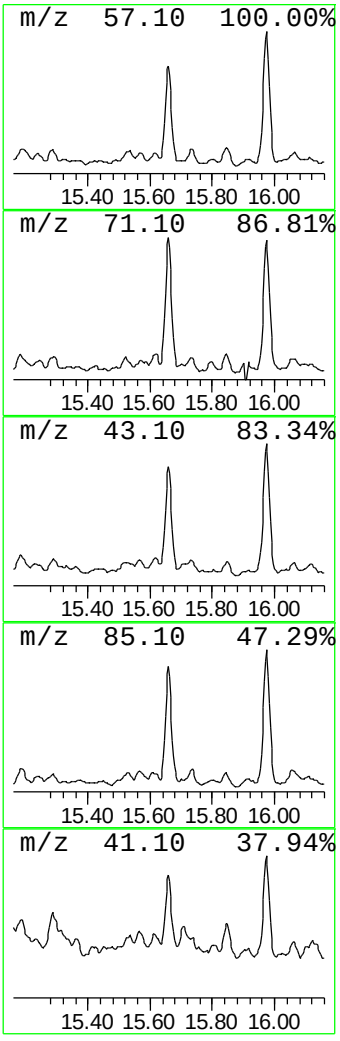
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 77 (DEL) Alkane: Straight-Chai... Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	18.44 ug/L	659623	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Hexadecane	226	C16H34	000544-76-3	64
3	Hexadecane	226	C16H34	000544-76-3	58
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	58
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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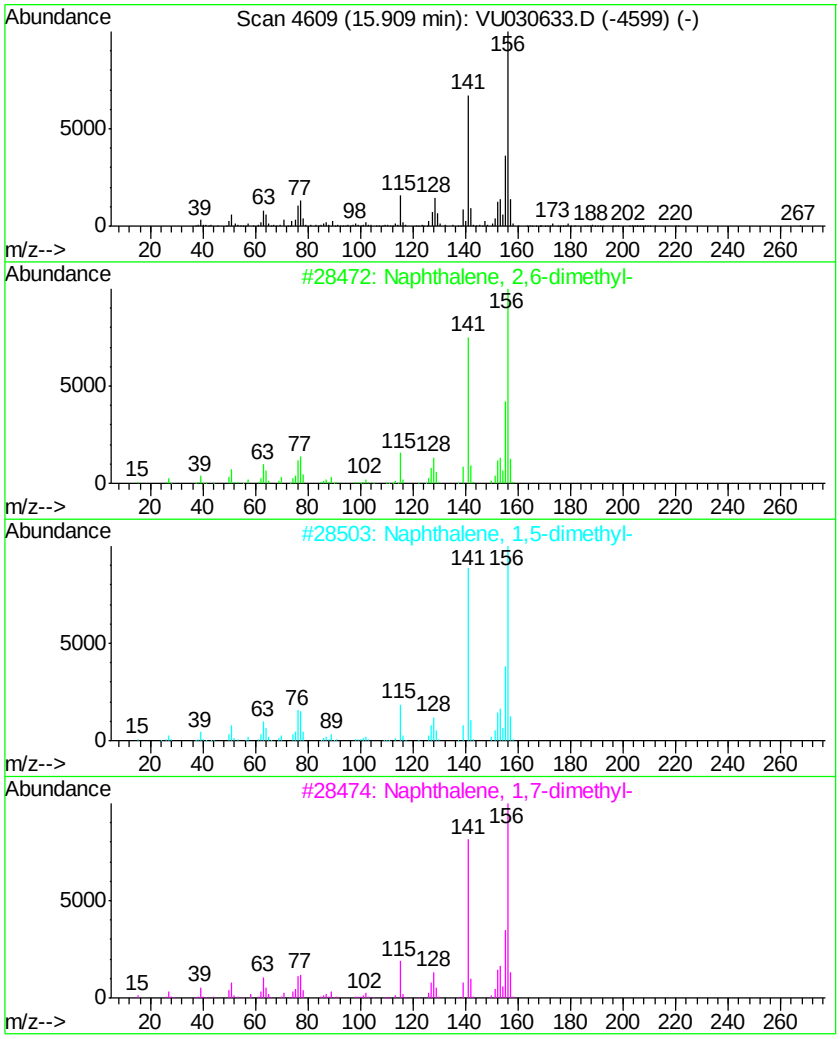
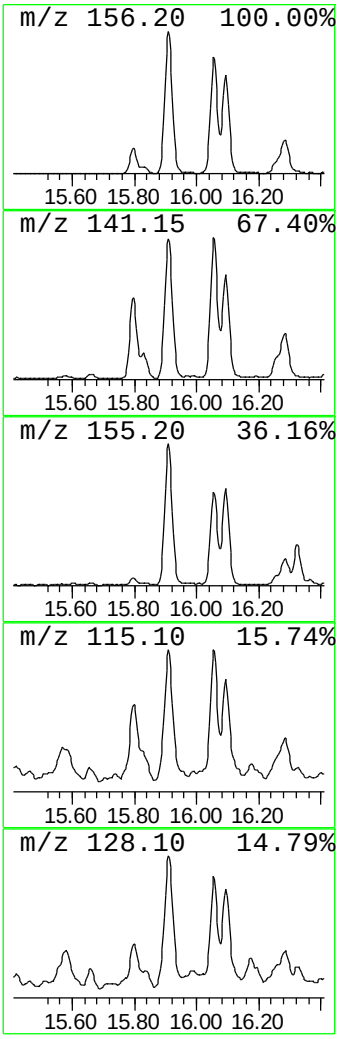
Peak Number 78 Naphthalene, 2,6-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	64.70 ug/L	2313850	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	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, 2,6-dimethyl-	156	C12H12	000581-42-0	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

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

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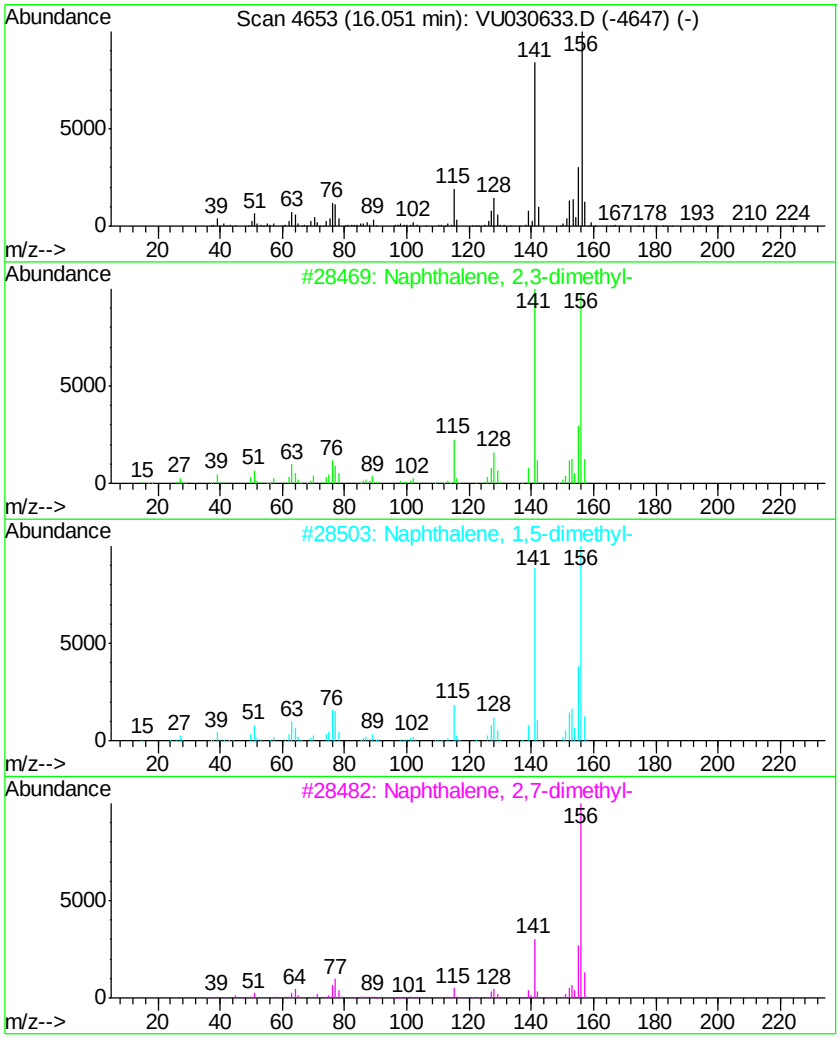
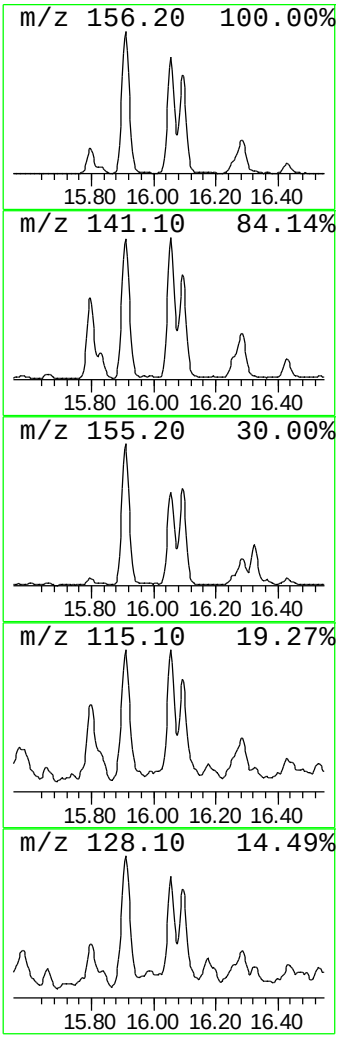
Peak Number 79 Naphthalene, 2,3-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	42.34 ug/L	1514370	1,4-Dichlorobenzene-d4	11.48

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU040419\
Data File : VU030633.D
Acq On : 03 Apr 2019 17:33
Operator : JC/SP
Sample : K2168-13
Misc : 6.26g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF638

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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...	1.69	86.7	ug/L	2135020	1	5.88	1231340	50.0
(DEL) Alkane: Str...	1.89	95.6	ug/L	2355400	1	5.88	1231340	50.0
(DEL) Alkane: Str...	2.14	48.3	ug/L	1189700	1	5.88	1231340	50.0
(DEL) Alkane: Str...	2.71	275.2	ug/L	6776920	1	5.88	1231340	50.0
(DEL) Alkane: Str...	2.97	160.4	ug/L	3949310	1	5.88	1231340	50.0
(DEL) Alkane: Str...	3.28	261.4	ug/L	6437440	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	3.53	44.6	ug/L	1098190	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	3.86	47.0	ug/L	1156390	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	3.97	36.0	ug/L	886218	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	4.07	199.8	ug/L	4919530	1	5.88	1231340	50.0
1,4-Pentadiene, 2...	4.76	33.0	ug/L	813328	1	5.88	1231340	50.0
(DEL) Alkane: Str...	5.06	97.4	ug/L	2399100	1	5.88	1231340	50.0
(DEL) Alkane: Str...	5.20	212.1	ug/L	5222700	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	5.47	75.5	ug/L	1858930	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	5.53	108.3	ug/L	2665950	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	5.61	97.3	ug/L	2395290	1	5.88	1231340	50.0
(DEL) Alkane: Str...	5.77	274.8	ug/L	6767250	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	5.94	96.7	ug/L	2381090	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	6.21	52.3	ug/L	1288110	1	5.88	1231340	50.0
(DEL) Alkane: Str...	6.47	31.5	ug/L	774982	1	5.88	1231340	50.0
(DEL) Alkane: Str...	6.52	34.3	ug/L	843393	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	6.63	41.2	ug/L	1014350	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	6.73	39.8	ug/L	981069	1	5.88	1231340	50.0
(DEL) Alkane: Str...	6.91	67.0	ug/L	1650940	1	5.88	1231340	50.0
Cyclobutane, (1-m...	7.05	77.4	ug/L	1906370	1	5.88	1231340	50.0
(DEL) Alkane: Str...	7.17	147.9	ug/L	3641440	1	5.88	1231340	50.0
(DEL) Alkane: Str...	7.33	105.2	ug/L	2591240	1	5.88	1231340	50.0
Cyclohexene, 1-me...	7.43	31.9	ug/L	784415	1	5.88	1231340	50.0
(DEL) Alkane: Cyc...	7.69	26.8	ug/L	794176	2	9.09	1479800	50.0
(DEL) Alkane: Cyc...	7.91	57.2	ug/L	1691810	2	9.09	1479800	50.0
(DEL) Alkane: Cyc...	8.04	26.1	ug/L	773047	2	9.09	1479800	50.0
(DEL) Alkane: Str...	8.45	33.9	ug/L	1003330	2	9.09	1479800	50.0
(DEL) Alkane: Cyc...	8.54	39.8	ug/L	1178900	2	9.09	1479800	50.0
(DEL) Alkane: Cyc...	8.60	54.4	ug/L	1609070	2	9.09	1479800	50.0
unknown-01	8.75	22.2	ug/L	657129	2	9.09	1479800	50.0
(DEL) Alkane: Str...	8.81	25.5	ug/L	753921	2	9.09	1479800	50.0
(DEL) Alkane: Str...	8.91	92.7	ug/L	2742870	2	9.09	1479800	50.0
(DEL) Alkane: Str...	9.03	81.8	ug/L	2421930	2	9.09	1479800	50.0
(DEL) Alkane: Str...	9.44	173.8	ug/L	5143110	2	9.09	1479800	50.0
(DEL) Alkane: Cyc...	9.71	37.0	ug/L	1095440	2	9.09	1479800	50.0
(DEL) Alkane: Str...	9.95	88.5	ug/L	2619900	2	9.09	1479800	50.0
(DEL) Alkane: Cyc...	10.04	43.9	ug/L	1300460	2	9.09	1479800	50.0
(DEL) Alkane: Str...	10.09	21.2	ug/L	626949	2	9.09	1479800	50.0
(DEL) Alkane: Str...	10.32	33.5	ug/L	1196830	3	11.48	1788190	50.0
(DEL) Alkane: Str...	10.35	32.1	ug/L	1148920	3	11.48	1788190	50.0
(DEL) Alkane: Cyc...	10.49	28.2	ug/L	1007920	3	11.48	1788190	50.0
Benzene, propyl-	10.58	41.4	ug/L	1478880	3	11.48	1788190	50.0
Benzene, 1-ethyl-...	10.70	46.8	ug/L	1674700	3	11.48	1788190	50.0
(DEL) Alkane: Cyc...	10.76	36.2	ug/L	1295800	3	11.48	1788190	50.0

(DEL) Alkane: Str...	10.81	127.6	ug/L	4563500	3	11.48	1788190	50.0
(DEL) Alkane: Str...	11.11	43.4	ug/L	1551600	3	11.48	1788190	50.0
(DEL) Alkane: Str...	11.33	25.5	ug/L	912950	3	11.48	1788190	50.0
(DEL) Alkane: Cyc...	11.40	23.1	ug/L	825636	3	11.48	1788190	50.0
Benzene, 1,2,3-tr...	11.57	28.4	ug/L	1015610	3	11.48	1788190	50.0
(DEL) Alkane: Str...	11.61	20.4	ug/L	728454	3	11.48	1788190	50.0
(DEL) Alkane: Str...	11.70	20.0	ug/L	716625	3	11.48	1788190	50.0
Benzene, 1,2-diet...	11.77	37.6	ug/L	1345190	3	11.48	1788190	50.0
(DEL) Alkane: Str...	12.02	120.6	ug/L	4311960	3	11.48	1788190	50.0
o-Cymene	12.25	52.8	ug/L	1889480	3	11.48	1788190	50.0
Indan, 1-methyl-	12.35	40.7	ug/L	1454720	3	11.48	1788190	50.0
trans-Decalin, 2-...	12.50	21.2	ug/L	757229	3	11.48	1788190	50.0
(DEL) Alkane: Str...	12.61	34.4	ug/L	1230530	3	11.48	1788190	50.0
Benzene, 1,2,4,5-...	12.65	49.2	ug/L	1760380	3	11.48	1788190	50.0
Benzene, 1-methyl...	12.78	17.6	ug/L	631279	3	11.48	1788190	50.0
Tetracyclo[3.3.1....	13.03	19.2	ug/L	686238	3	11.48	1788190	50.0
(DEL) Alkane: Str...	13.12	149.7	ug/L	5353870	3	11.48	1788190	50.0
(DEL) Alkane: Str...	13.28	39.4	ug/L	1409320	3	11.48	1788190	50.0
Benzene, (2-chlor...	13.50	30.7	ug/L	1099330	3	11.48	1788190	50.0
unknown-02	13.78	20.2	ug/L	720963	3	11.48	1788190	50.0
(DEL) Alkane: Str...	13.88	18.6	ug/L	665894	3	11.48	1788190	50.0
(DEL) Alkane: Str...	14.14	43.4	ug/L	1552350	3	11.48	1788190	50.0
Benzene, (1,2-dim...	14.33	29.6	ug/L	1059440	3	11.48	1788190	50.0
(DEL) Alkane: Str...	15.66	18.4	ug/L	659623	3	11.48	1788190	50.0
Naphthalene, 2,6-...	15.91	64.7	ug/L	2313850	3	11.48	1788190	50.0
Naphthalene, 2,3-...	16.05	42.3	ug/L	1514370	3	11.48	1788190	50.0

Instrument :
MSVOA_U
ClientSampleId :
BF638