LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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	1.402	86	97	106	rBV2	1169038	1249502	0.44%	0.101%
2	1.675	173	182	196	rVB2	293427	410012	0.14%	0.033%
3	1.756	196	207	227	rBV	7090156	9410252	3.28%	0.763%
4	1.900	243	252	258	rVV	677308	887233	0.31%	0.072%
5	1.945	258	266	283	rVB	5384519	7344175	2.56%	0.595%
6	2.048	288	298	312	rBV	1991252	2682520	0.94%	0.217%
7	2.138	314	326	333	rBV	1117462	1622067	0.57%	0.131%
8	2.183	333	340	357	rVB	1401523	2057097	0.72%	0.167%
9	2.270	357	367	373	rBV	370484	630983	0.22%	0.051%
10	2.682	465	495	505	rBV2	1994154	5008274	1.75%	0.406%
11	2.743	506	514	521	rVV	2683728	5249725	1.83%	0.425%
12	2.791	522	529	573	rVB2	2665665	5847841	2.04%	0.474%
13	2.997	574	593	610	rBV2	2335107	5004687	1.75%	0.406%
14	3.196	640	655	672	rVB3	393833	932683	0.33%	0.076%
15	3.302	672	688	710	rBV	1763730	3712720	1.30%	0.301%
16	3.424	712	726	736	rBV	385483	826443	0.29%	0.067%
17	3.498	737	749	758	rVV	709627	1542636	0.54%	0.125%
18	3.559	759	768	785	rVB3	717447	1750106	0.61%	0.142%
19	3.656	785	798	809	rBV2	266383	599448	0.21%	0.049%
20	3.743	809	825	838	rBV4	543265	1666812	0.58%	0.135%
21	3.890	858	871	888	rVB3	370735	949204	0.33%	0.077%
22	4.093	915	934	951	rVV	4293708	11511957	4.02%	0.933%
23	4.180	951	961	983	rVB4	294531	834231	0.29%	0.068%
24	4.646	1093	1106	1120	rBV	249849	586901	0.20%	0.048%
25	4.778	1137	1147	1164	rVB2	374901	871273	0.30%	0.071%
26	4.993	1197	1214	1229	rBV2	3566705	8716845	3.04%	0.706%
27	5.077	1232	1240	1267	rVB4	500868	1454517	0.51%	0.118%
28	5.218	1269	1284	1304	rBV2	671923	1926483	0.67%	0.156%
29	5.398	1305	1340	1359	rBV2	43807567	104326766	36.39%	8.455%
30	5.781	1445	1459	1468	rBV2	556806	1108140	0.39%	0.090%
31	5.884	1482	1491	1500	rVV	514136	960847	0.34%	0.078%
32	5.945	1500	1510	1537	rVB4	553476	1776242	0.62%	0.144%
33	6.218	1584	1595	1614	rVB5	264399	561947	0.20%	0.046%
34	6.328	1617	1629	1638	rBV	365976	706731	0.25%	0.057%

LSC Area Percent Report

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Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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	6.415	1638	1656	1671	rVV3	2944187	6639558	2.32%	0.538%
36	6.640	1715	1726	1740	rVB	414998	777637	0.27%	0.063%
37	6.823	1768	1783	1784	rBV2	288019	433024	0.15%	0.035%
38	6.926	1801	1815	1832	rVB7	124382	387010	0.13%	0.031%
39	7.064	1833	1858	1868	rBV2	690880	1559471	0.54%	0.126%
40	7.225	1900	1908	1922	rBV	220583	397427	0.14%	0.032%
41	7.373	1940	1954	1964	rBV	524910	1110146	0.39%	0.090%
42	7.431	1964	1972	1993	rVB2	469951	979244	0.34%	0.079%
43	7.572	1994	2016	2023	rBV2	682563	1751290	0.61%	0.142%
44	7.675	2023	2048	2072	rVV4	92149860	286688947	100.00%	23.233%
45	7.775	2074	2079	2089	rVB	390171	591924	0.21%	0.048%
46	7.939	2115	2130	2147	rVB3	455330	1087617	0.38%	0.088%
47	8.093	2171	2178	2190	rVB2	203023	338533	0.12%	0.027%
48	8.308	2234	2245	2256	rBV	1134507	1928383	0.67%	0.156%
49	8.495	2288	2303	2312	rBV5	321223	639914	0.22%	0.052%
50	8.585	2322	2331	2343	rVV	1083960	1898225	0.66%	0.154%
51	9.029	2454	2469	2479	rBV2	383078	796753	0.28%	0.065%
52	9.090	2479	2488	2497	rBV	735716	1129257	0.39%	0.092%
53	9.183	2508	2517	2525	rBV2	415399	648420	0.23%	0.053%
54	9.257	2525	2540	2563	rVV2	39848015	69143260	24.12%	5.603%
55	9.398	2563	2584	2610	rVB4	92107875	205314209	71.62%	16.638%
56	9.791	2691	2706	2733	rVB3	59654384	109001470	38.02%	8.833%
57	10.164	2812	2822	2842	rVB	2280766	3566315	1.24%	0.289%
58	10.430	2894	2905	2918	rVB2	612884	1143544	0.40%	0.093%
59	10.585	2943	2953	2968	rVV	6673297	10466486	3.65%	0.848%
60	10.684	2969	2984	3001	rVV2	28417708	61855502	21.58%	5.013%
61	10.774	3001	3012	3037	rVB	13569729	20489667	7.15%	1.660%
62	10.971	3059	3073	3093	rBV	12249112	18854075	6.58%	1.528%
63	11.157	3115	3131	3142	rVV2	47639049	76924052	26.83%	6.234%
64	11.215	3142	3149	3158	rVV	357218	565363	0.20%	0.046%
65	11.289	3158	3172	3177	rVV2	264235	580249	0.20%	0.047%
66	11.321	3177	3182	3197	rVB	331905	525516	0.18%	0.043%
67	11.427	3199	3215	3223	rBV	736062	1185331	0.41%	0.096%
68	11.482	3223	3232	3240	rVV2	1128092	1815838	0.63%	0.147%
69	11.533	3240	3248	3250	rVV	820682	1099637	0.38%	0.089%
70	11.572	3250	3260	3271	rVV	14724698	22455527	7.83%	1.820%
71	11.623	3271	3276	3290	rVV2	253547	398762	0.14%	0.032%

LSC Area Percent Report

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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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	11.765	3304	3320	3329	rBV	12884777	21548641	7.52%	1.746%
73	11.807	3329	3333	3341	rVV	2485081	3305430	1.15%	0.268%
74	11.871	3341	3353	3369	rVB4	4495405	9003733	3.14%	0.730%
75	11.977	3375	3386	3399	rVB	2313773	3580809	1.25%	0.290%
76	12.054	3399	3410	3424	rVB	1083521	1680799	0.59%	0.136%
77	12.144	3425	3438	3443	rBV	2716834	4256815	1.48%	0.345%
78	12.173	3443	3447	3458	rVB	2322501	3118094	1.09%	0.253%
79	12.247	3458	3470	3478	rBV	3966591	6168033	2.15%	0.500%
80	12.282	3478	3481	3492	rVB	948392	1156631	0.40%	0.094%
81	12.353	3492	3503	3524	rBV2	2659643	4799093	1.67%	0.389%
82	12.549	3552	3564	3577	rVB	1140386	1809729	0.63%	0.147%
83	12.646	3578	3594	3602	rBV	2276442	3453369	1.20%	0.280%
84	12.700	3602	3611	3626	rVB	3336509	5015741	1.75%	0.406%
85	12.961	3682	3692	3706	rVB	3116494	4698135	1.64%	0.381%
86	13.122	3720	3742	3753	rBV2	5818496	9706699	3.39%	0.787%
87	13.183	3753	3761	3770	rVB3	606338	982457	0.34%	0.080%
88	13.286	3783	3793	3813	rVB2	1041542	1751389	0.61%	0.142%
89	13.401	3816	3829	3837	rBV4	251750	448974	0.16%	0.036%
90	13.453	3837	3845	3853	rVV	479443	736683	0.26%	0.060%
91	13.507	3853	3862	3877	rVV3	622575	1233056	0.43%	0.100%
92	13.607	3888	3893	3909	rVB2	406846	738889	0.26%	0.060%
93	13.742	3921	3935	3959	rVB	14992170	23706165	8.27%	1.921%
94	13.858	3960	3971	3987	rVV	639667	1043230	0.36%	0.085%
95	13.951	3991	4000	4010	rVV3	206746	386493	0.13%	0.031%
96	14.151	4051	4062	4077	rBV	390386	631044	0.22%	0.051%
97	14.331	4108	4118	4130	rVV2	312824	648182	0.23%	0.053%
98	14.536	4173	4182	4194	rVB3	218484	371626	0.13%	0.030%
99	14.871	4276	4286	4314	rVB	3378708	5416370	1.89%	0.439%
100	15.057	4333	4344	4358	rBV	1680577	2680136	0.93%	0.217%

Sum of corrected areas: 1233971328

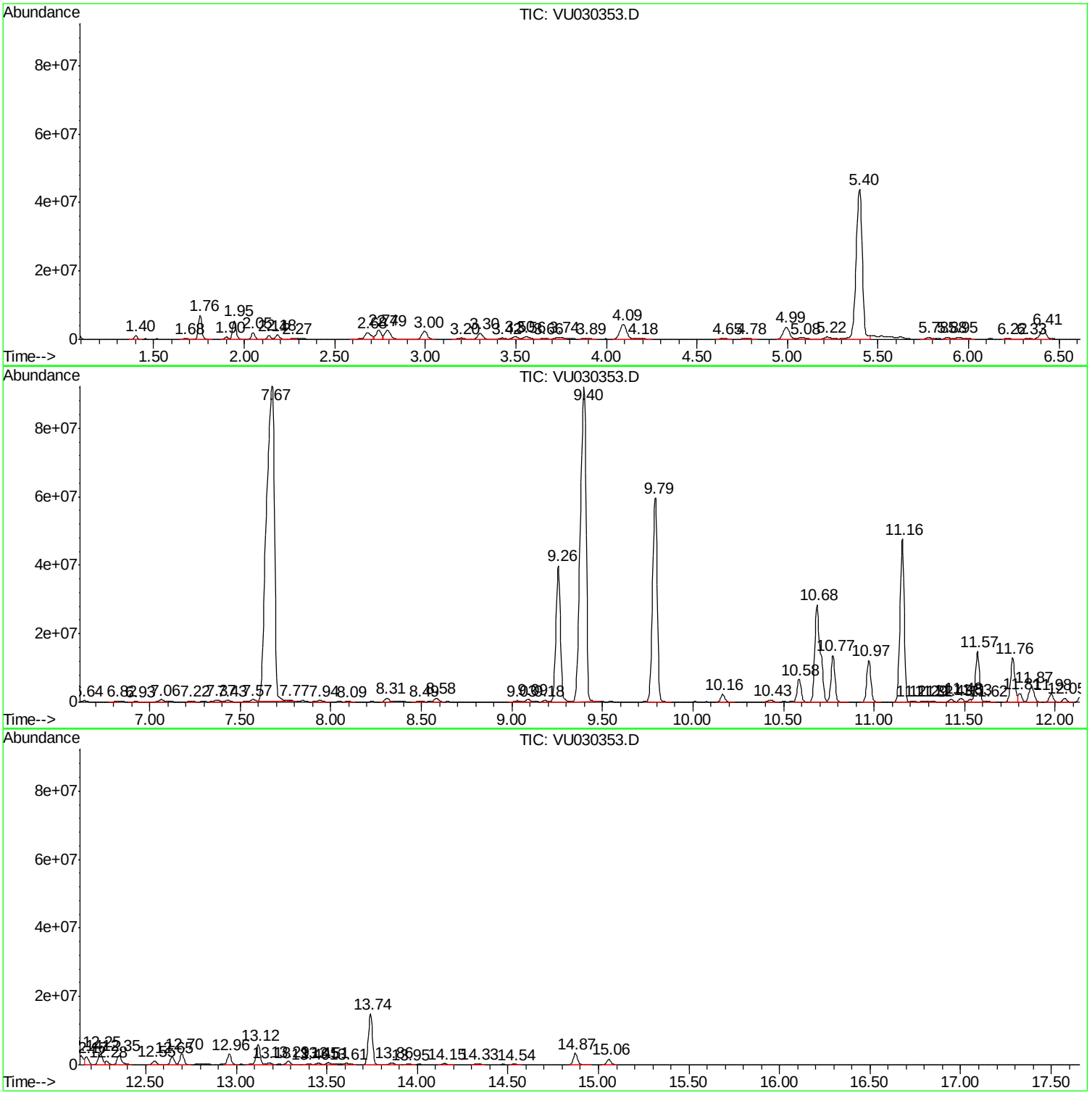
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R5

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\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

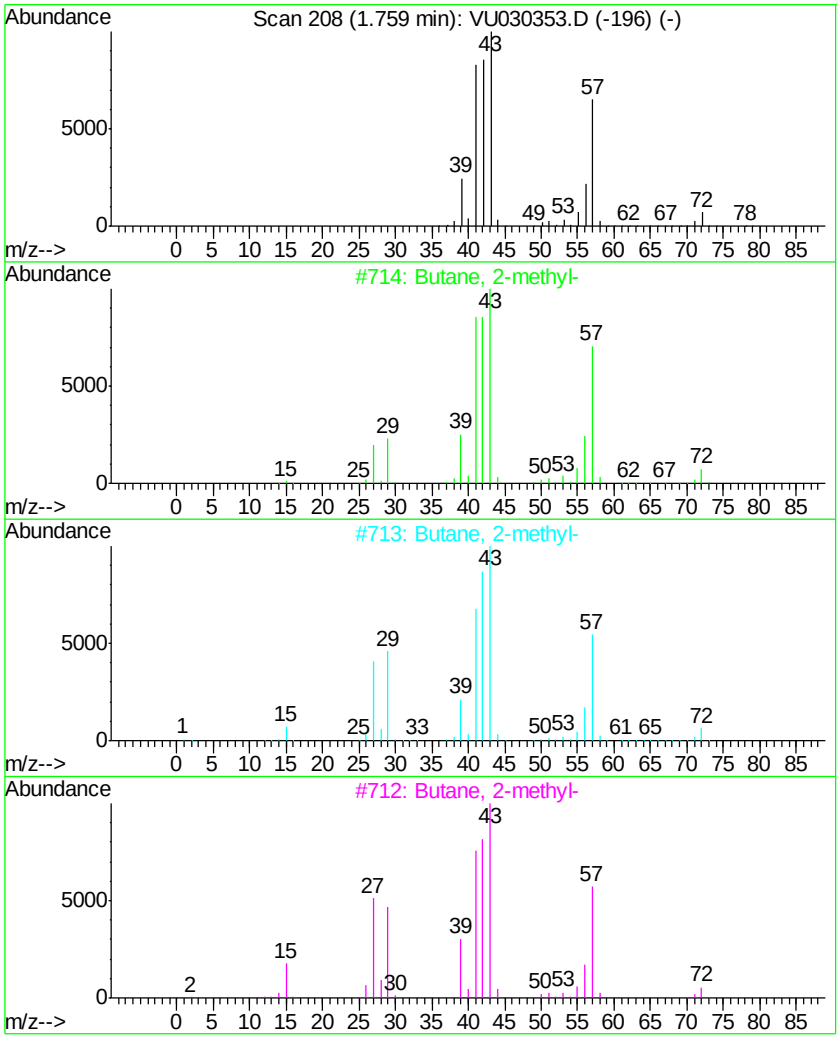
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

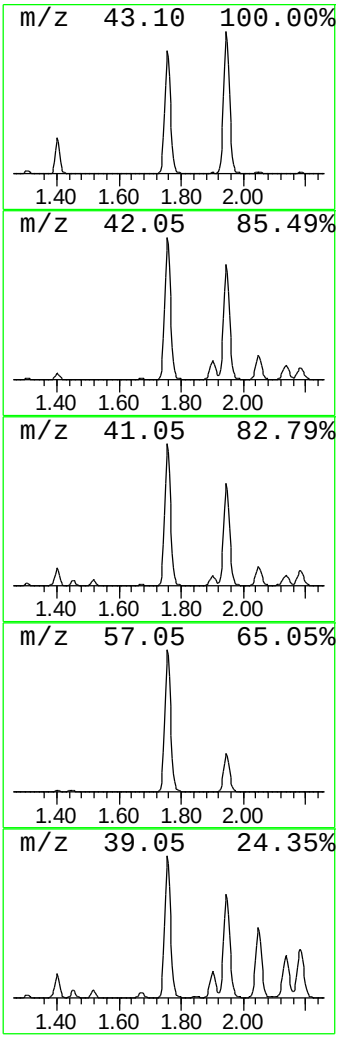
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	489.69 ug/L	9410250	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	Pentane	72	C5H12	000109-66-0	33
5	3-Buten-1-ol	72	C4H8O	000627-27-0	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

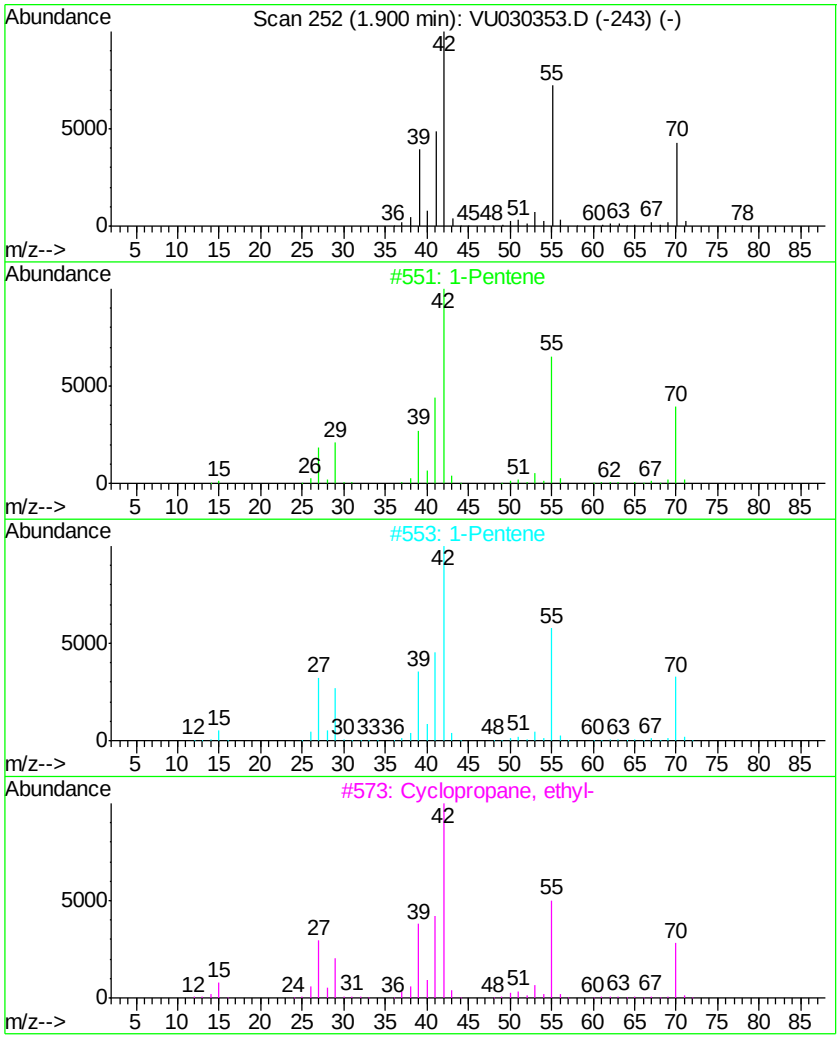
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

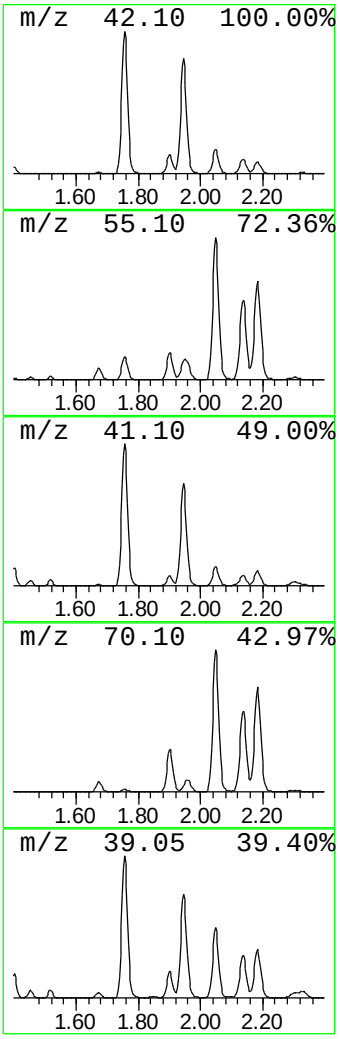
****

Peak Number 2 (DEL) Alkane: Cyclic1.90 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.90	46.17 ug/L	887233	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	91
2	1-Pentene	70	C5H10	000109-67-1	76
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	68
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
5	Cyclopentane	70	C5H10	000287-92-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
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Acq On : 23 Mar 2019 20:21
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ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

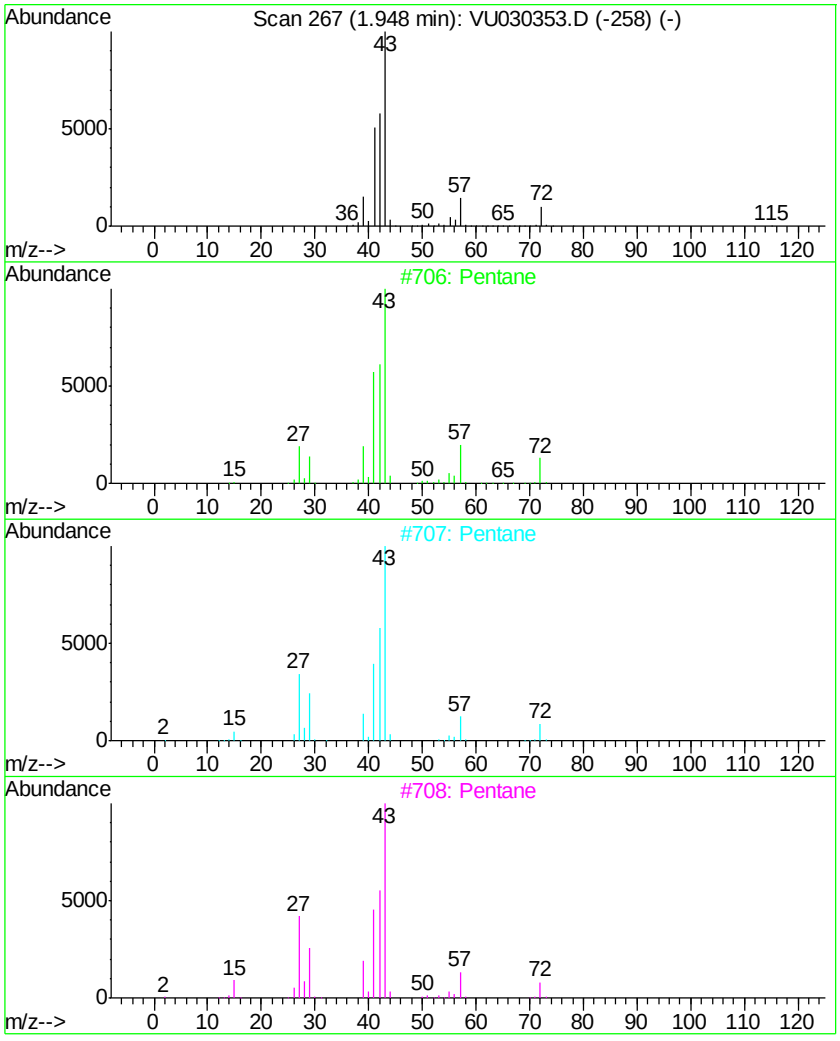
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

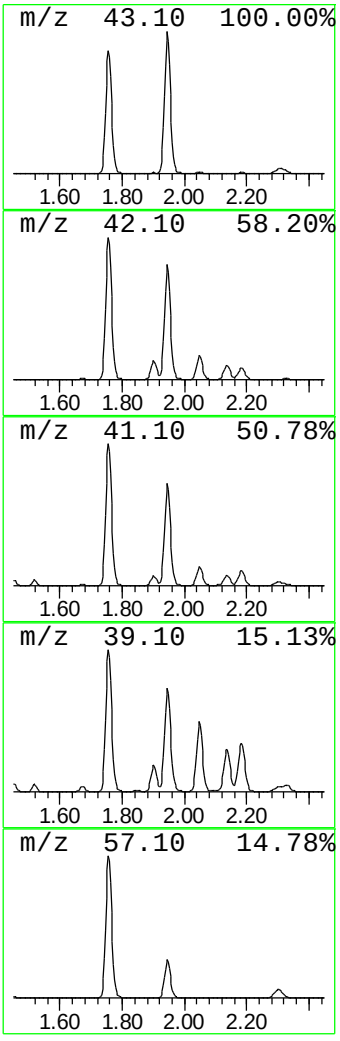
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	382.17 ug/L	7344180	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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

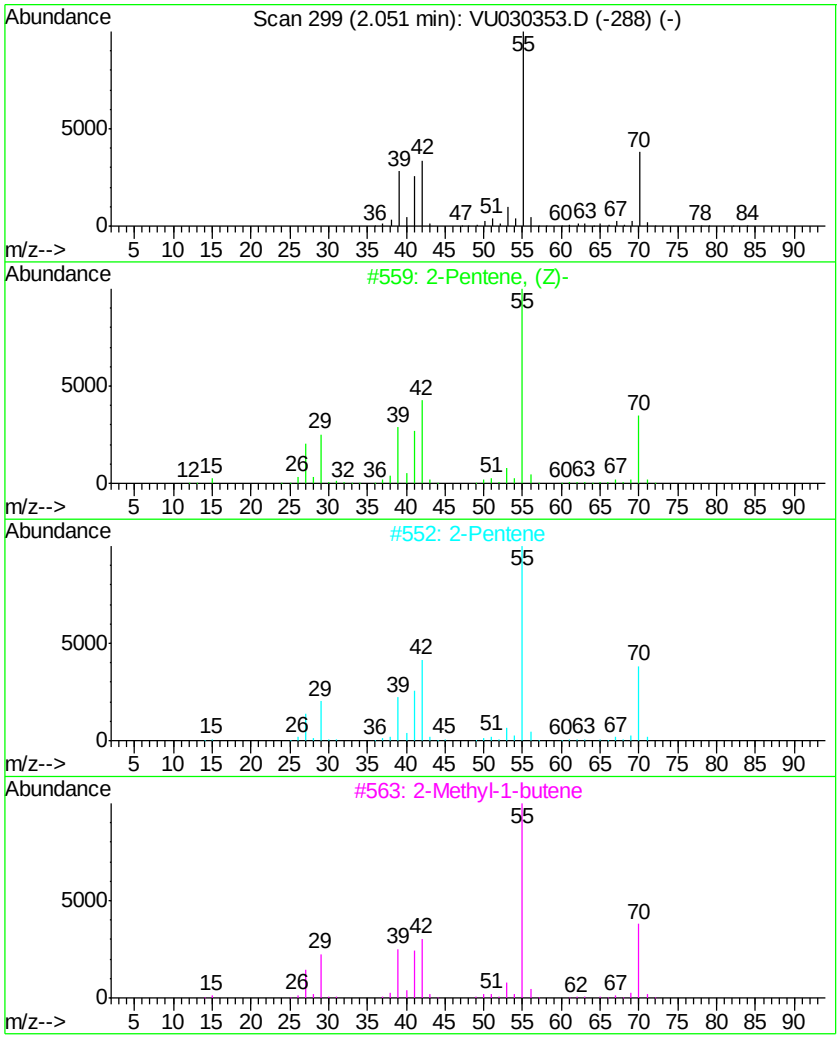
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

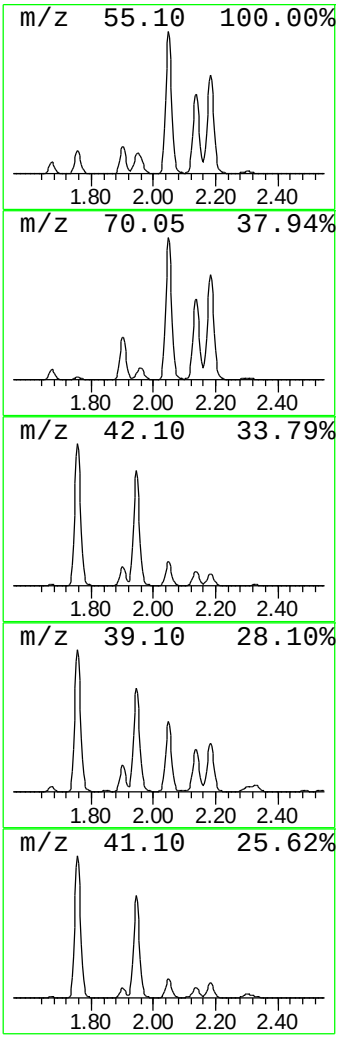
****

Peak Number 4 (DEL) Alkane: Cyclic2.05 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	139.59 ug/L	2682520	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
2	2-Pentene	70	C5H10	000109-68-2	91
3	2-Methyl-1-butene	70	C5H10	000563-46-2	91
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

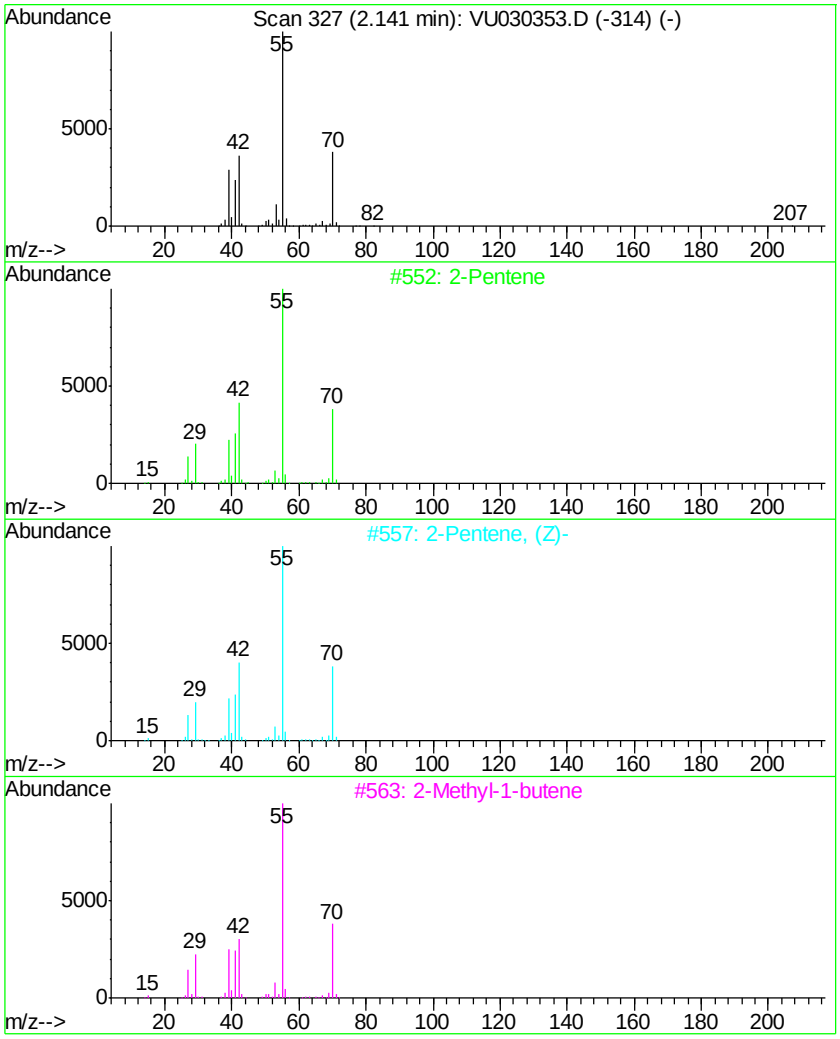
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

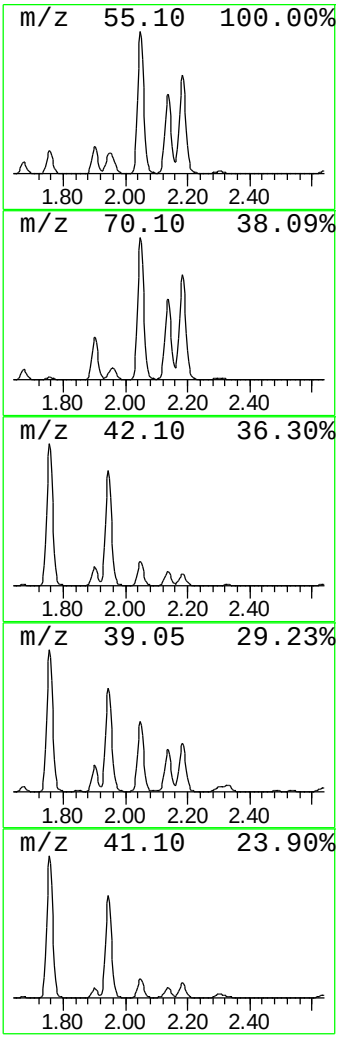
****

Peak Number 5 (DEL) Alkane: Cyclic2.14 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	84.41 ug/L	1622070	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene	70	C5H10	000109-68-2	91
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
3	2-Methyl-1-butene	70	C5H10	000563-46-2	91
4	2-Methyl-1-butene	70	C5H10	000563-46-2	91
5	2-Pentene, (E)-	70	C5H10	000646-04-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

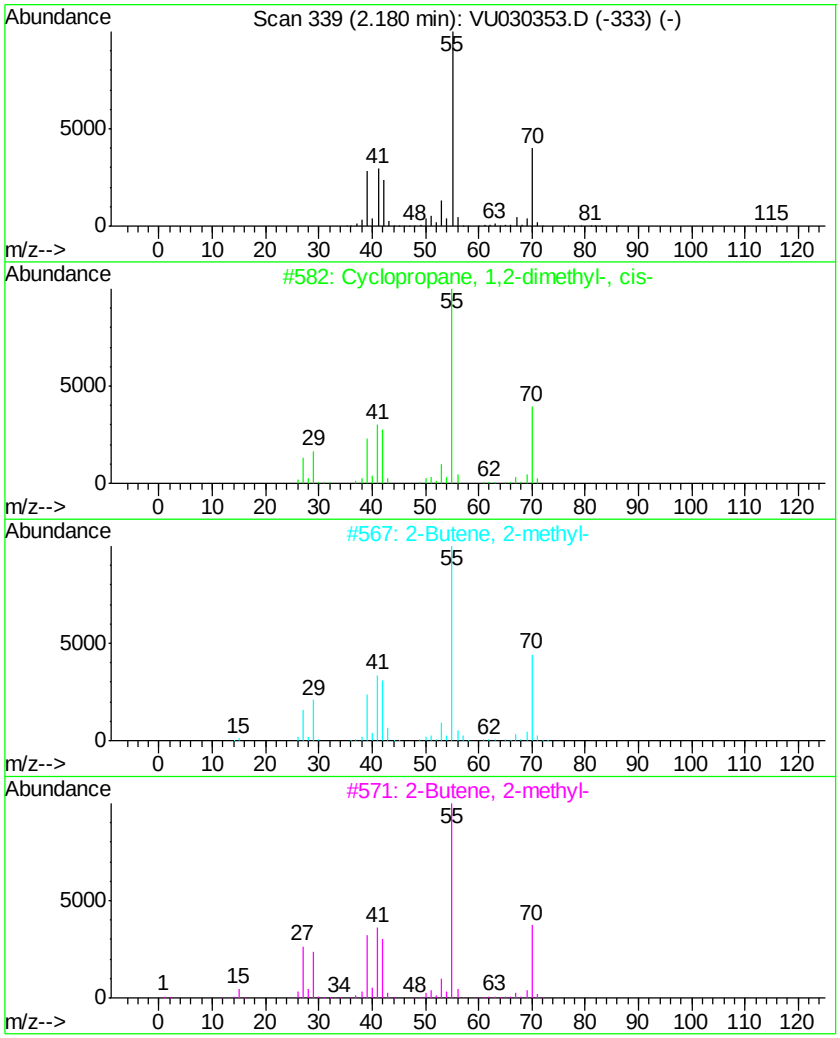
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

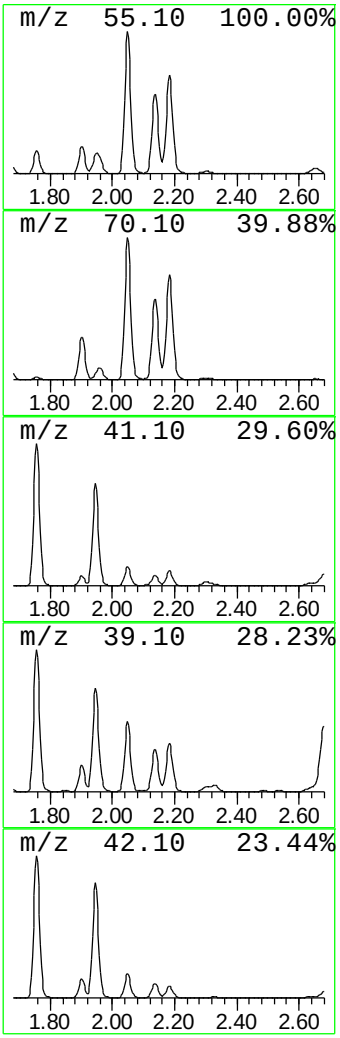
****

Peak Number 6 (DEL) Alkane: Cyclic2.18 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	107.05 ug/L	2057100	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	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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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

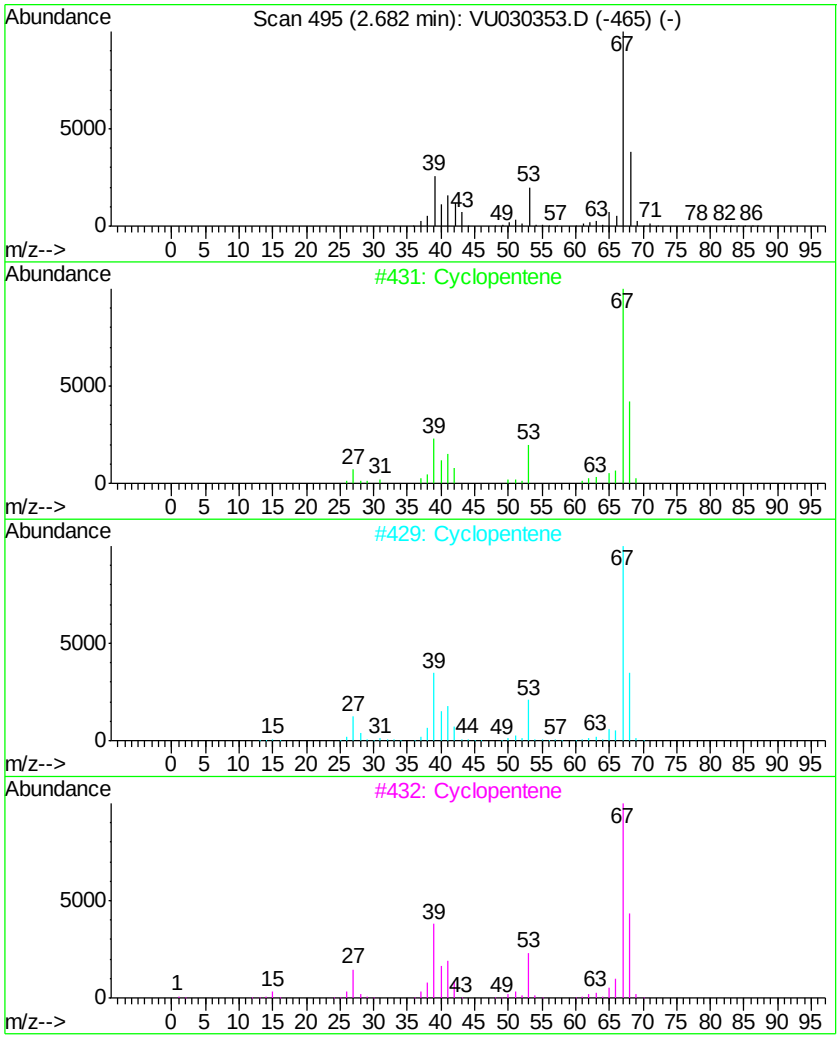
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

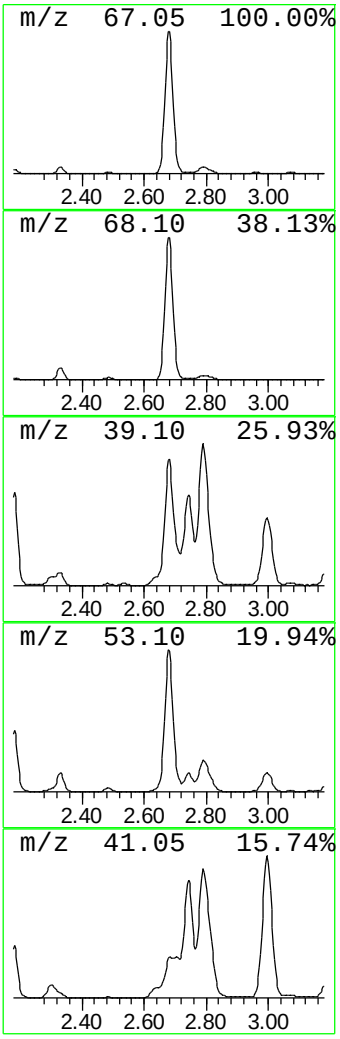
****

Peak Number 7 Cyclopentene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.68	260.62 ug/L	5008270	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	Cyclopentene	68	C5H8	000142-29-0	91
3	Cyclopentene	68	C5H8	000142-29-0	90
4	1,4-Pentadiene	68	C5H8	000591-93-5	58
5	Cyclopentene	68	C5H8	000142-29-0	58





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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

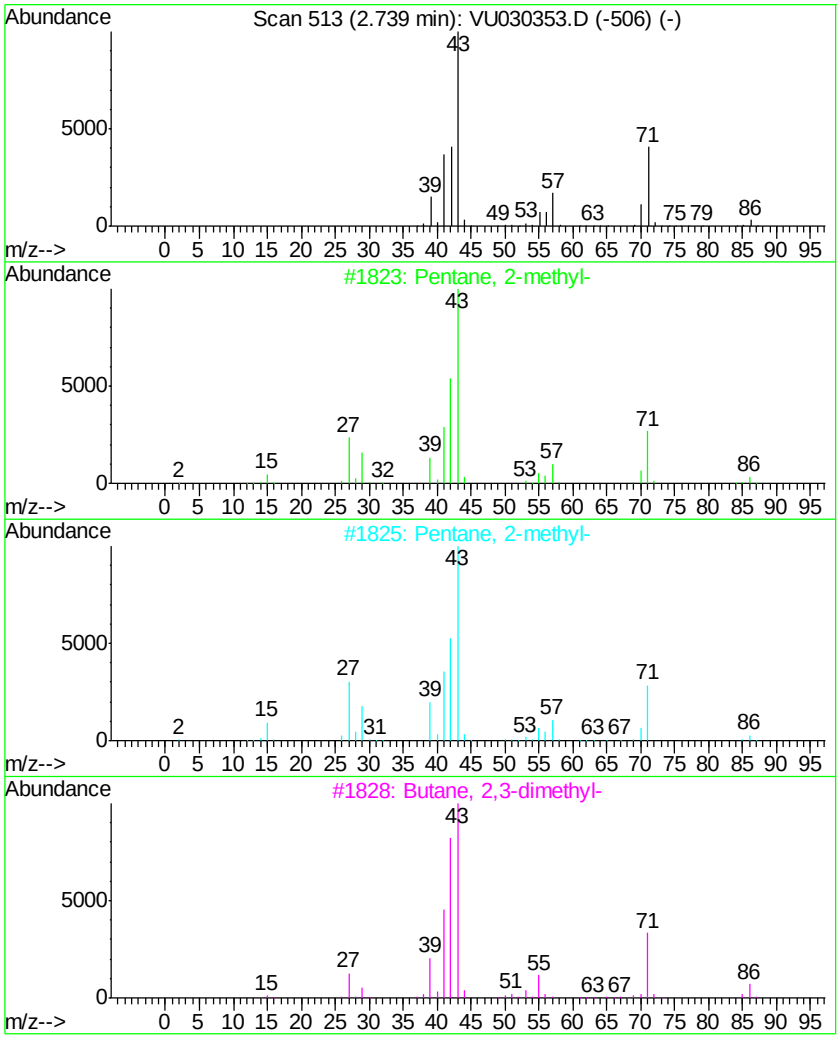
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

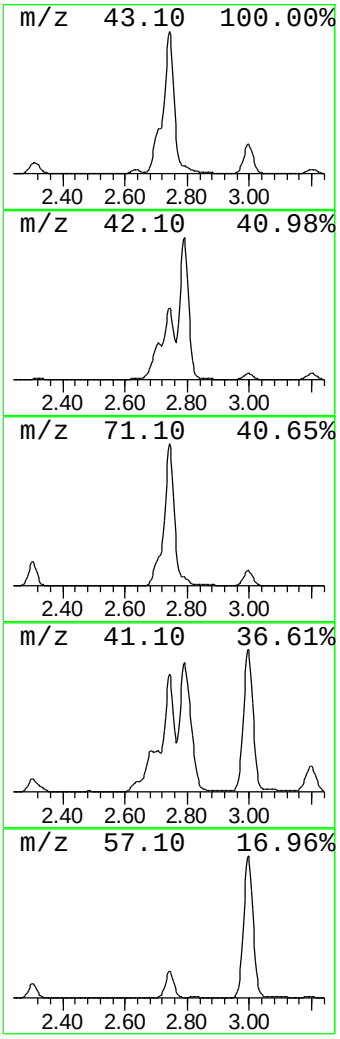
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	273.18 ug/L	5249730	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38
5	Pentane	72	C5H12	000109-66-0	38





Library Search Compound Report

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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

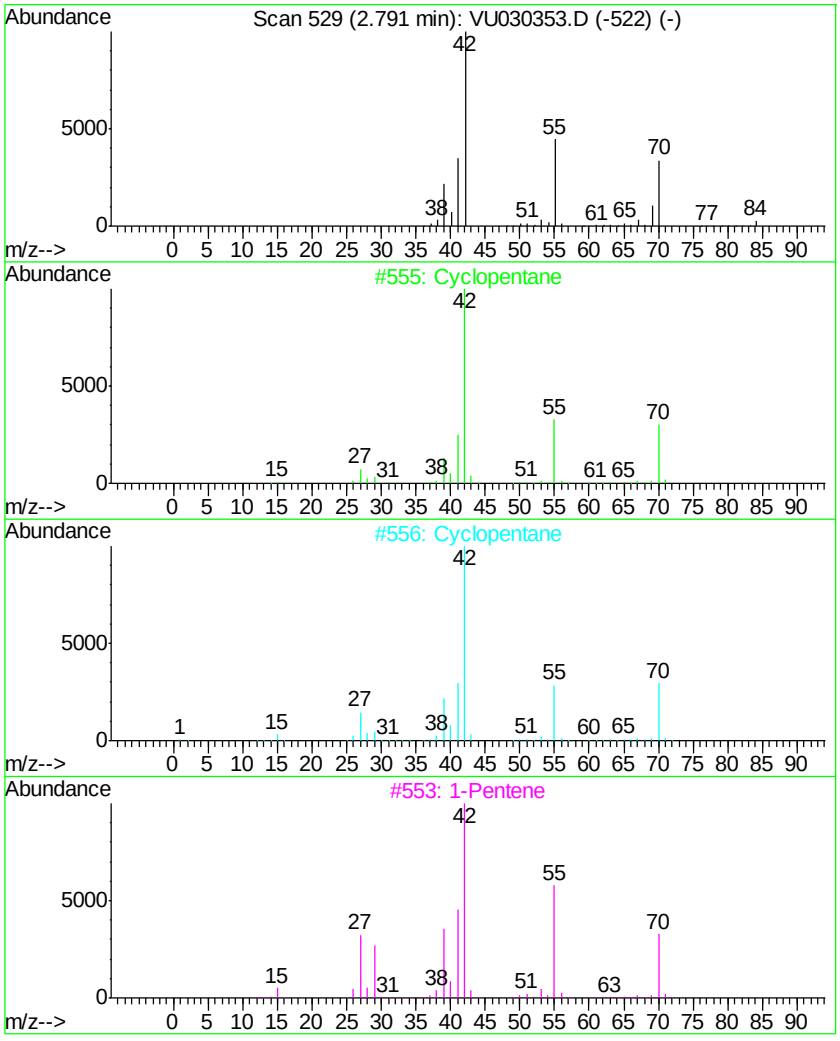
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

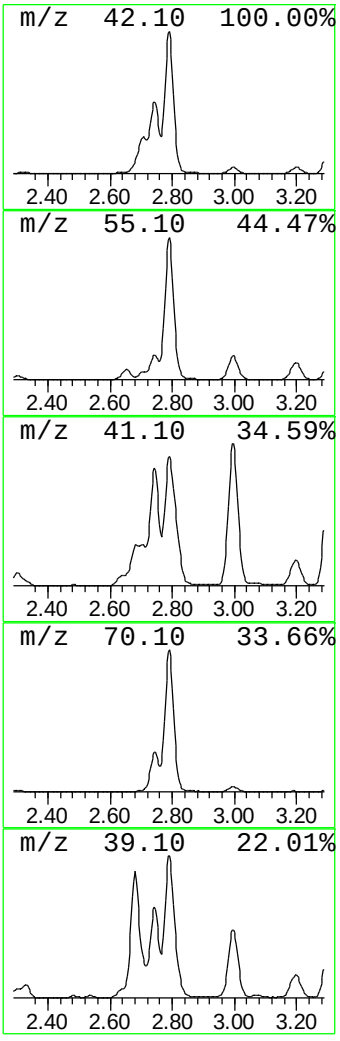
****

Peak Number 9 (DEL) Alkane: Cyclic2.79 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	304.31 ug/L	5847840	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	80
2	Cyclopentane	70	C5H10	000287-92-3	72
3	1-Pentene	70	C5H10	000109-67-1	64
4	1-Pentene	70	C5H10	000109-67-1	64
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	64





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

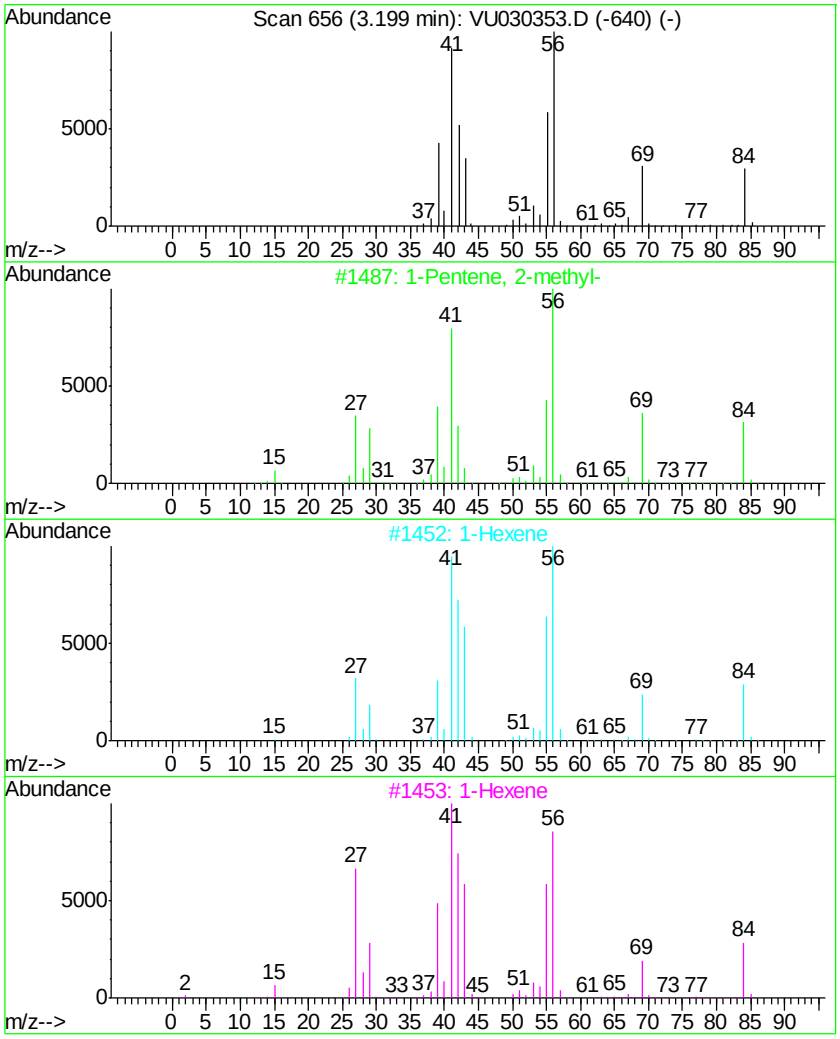
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

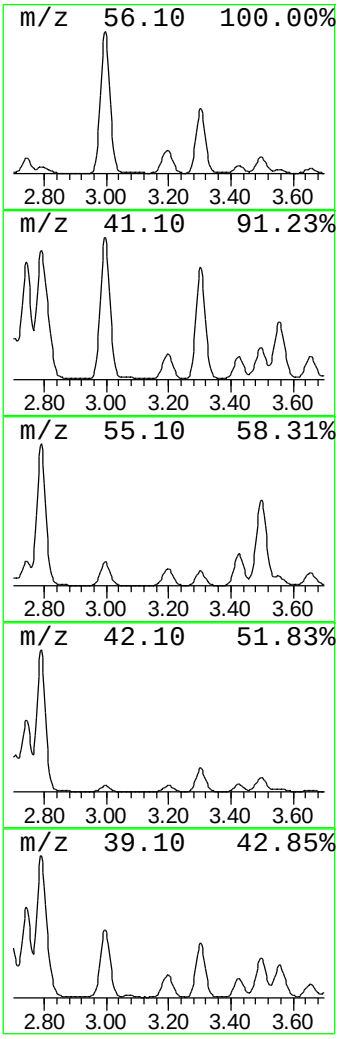
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic3.20 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	48.53 ug/L	932683	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
2	1-Hexene	84	C6H12	000592-41-6	74
3	1-Hexene	84	C6H12	000592-41-6	72
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	59
5	Cyclohexane	84	C6H12	000110-82-7	59





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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

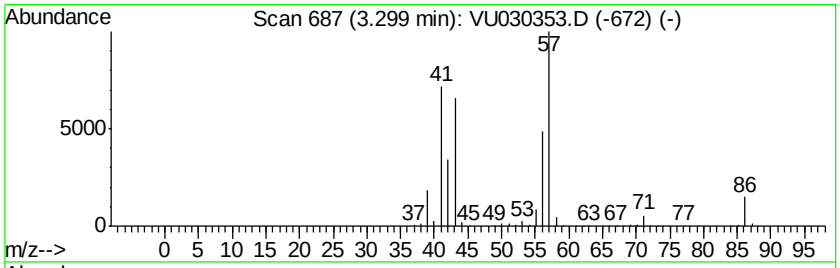
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

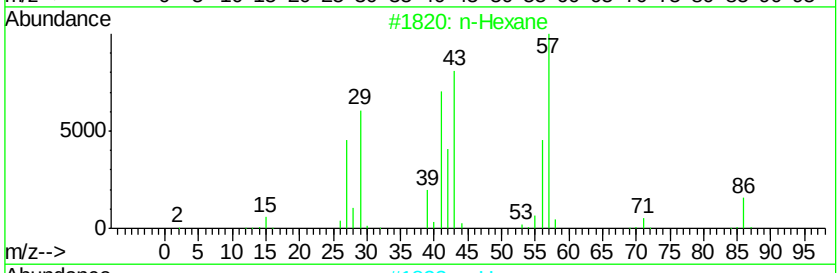
****

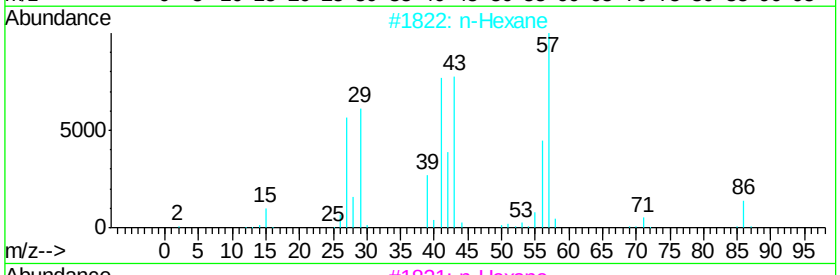
Peak Number 11 (DEL) Alkane: Cyclic3.30 Concentration Rank 16

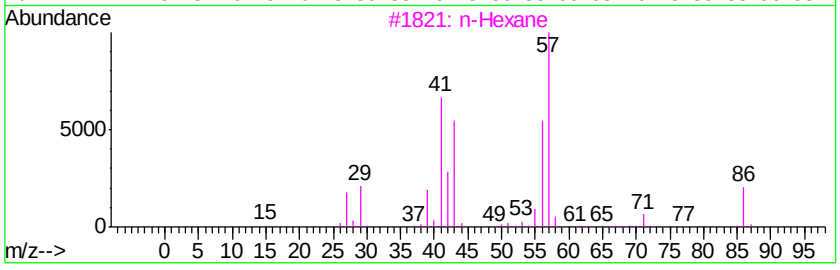
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	193.20 ug/L	3712720	1,4-Difluorobenzene	5.88

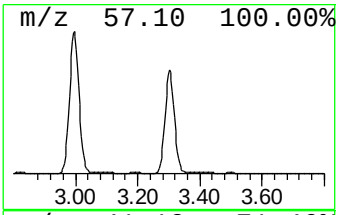
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	91
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	37

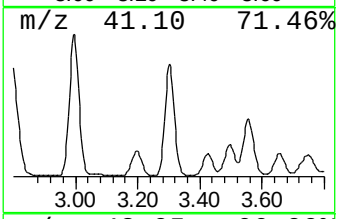


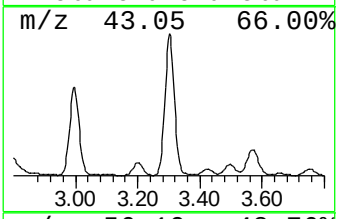


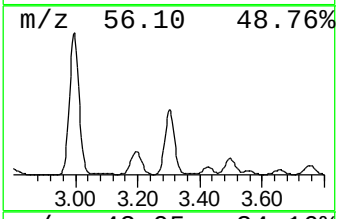


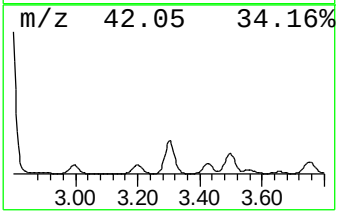












Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

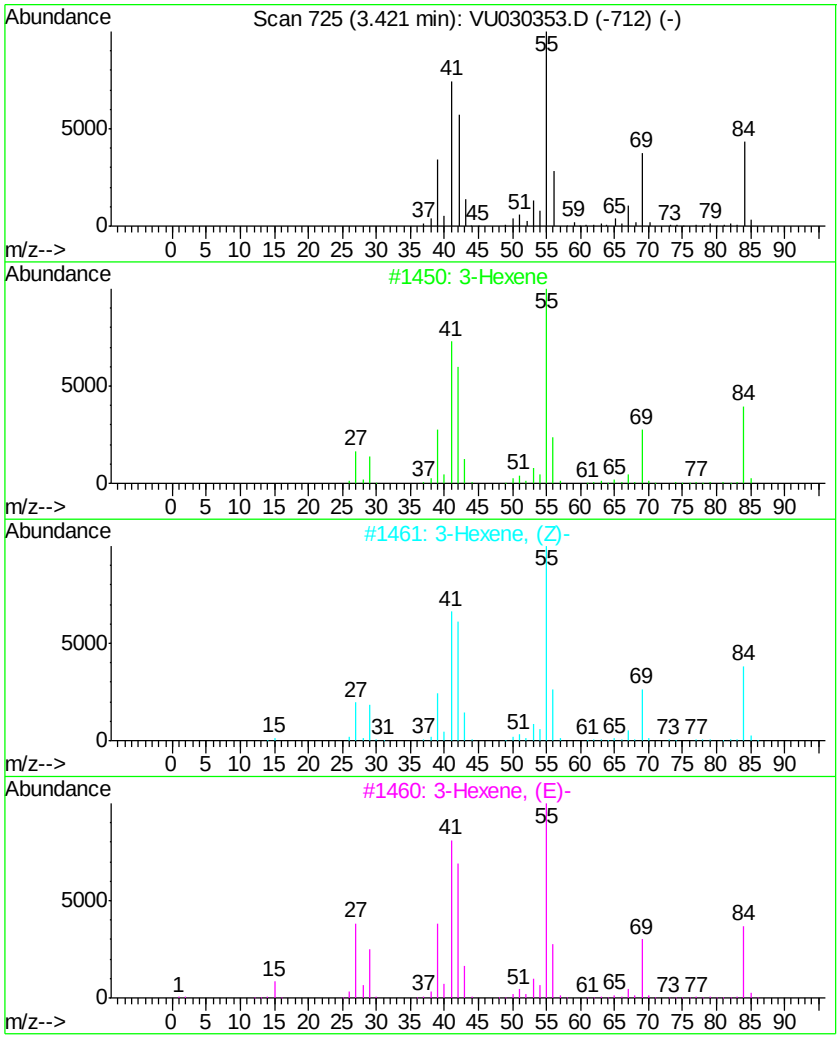
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

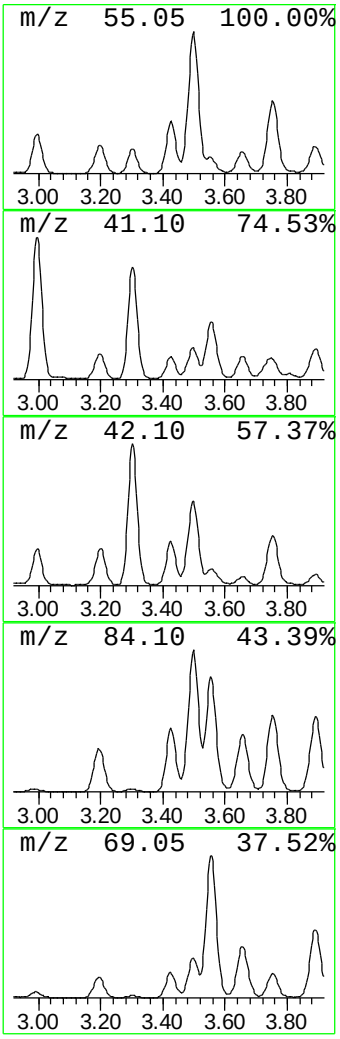
****

Peak Number 12 (DEL) Alkane: Cyclic3.42 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.42	43.01 ug/L	826443	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene	84	C6H12	000592-47-2	91
2	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
3	3-Hexene, (E)-	84	C6H12	013269-52-8	91
4	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
5	3-Hexene, (E)-	84	C6H12	013269-52-8	91





Library Search Compound Report

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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

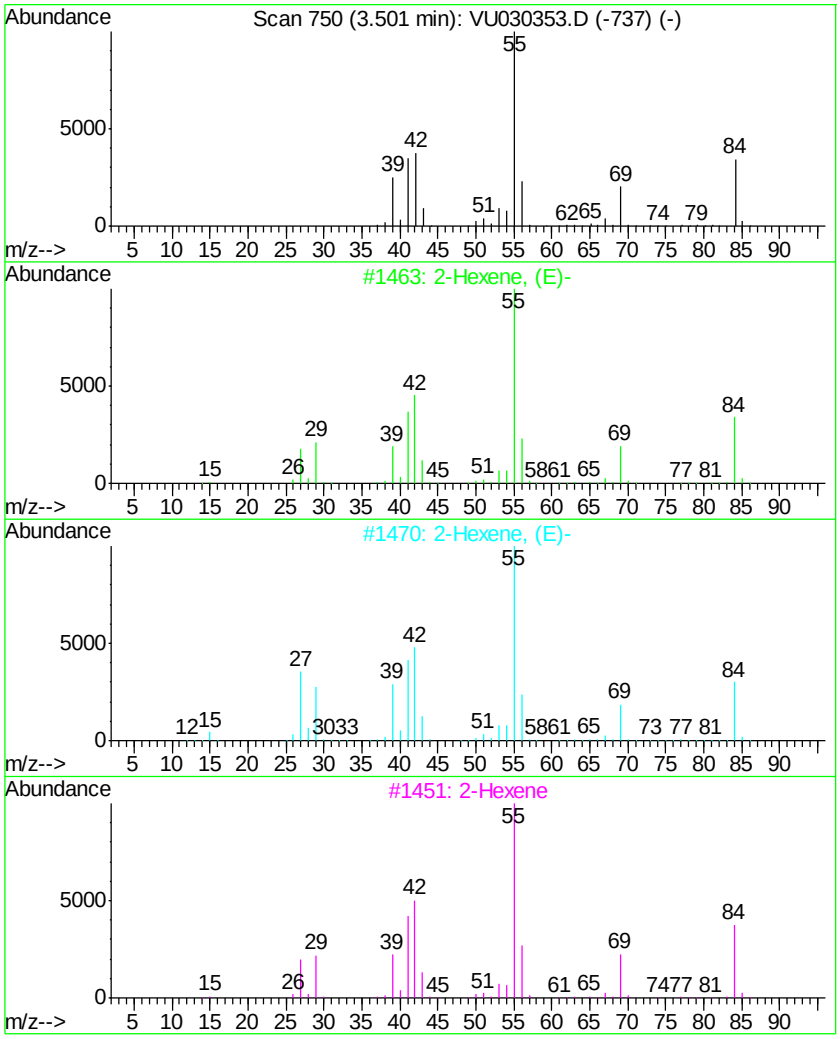
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

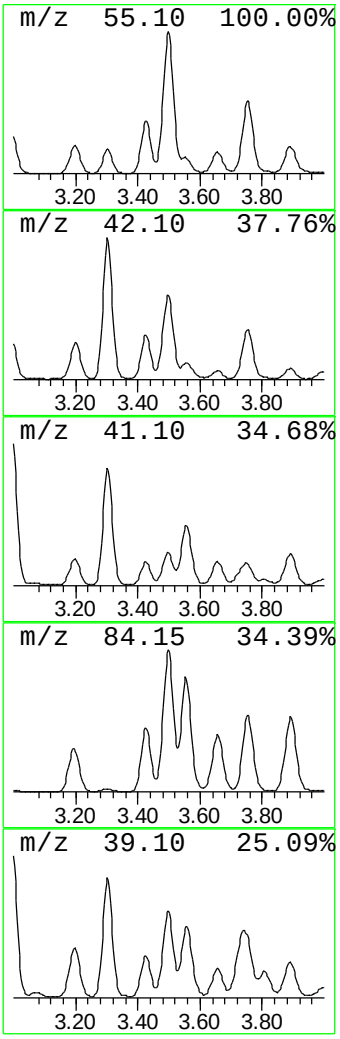
****

Peak Number 13 (DEL) Alkane: Cyclic3.50 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	80.27 ug/L	1542640	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, (E)-	84	C6H12	004050-45-7	91
2	2-Hexene, (E)-	84	C6H12	004050-45-7	91
3	2-Hexene	84	C6H12	000592-43-8	91
4	2-Hexene	84	C6H12	000592-43-8	91
5	2-Hexene, (Z)-	84	C6H12	007688-21-3	91





Library Search Compound Report

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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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 14 (DEL) Alkane: Cyclic3.56 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	91.07 ug/L	1750110	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	62
2	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	58
3	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	58
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	58
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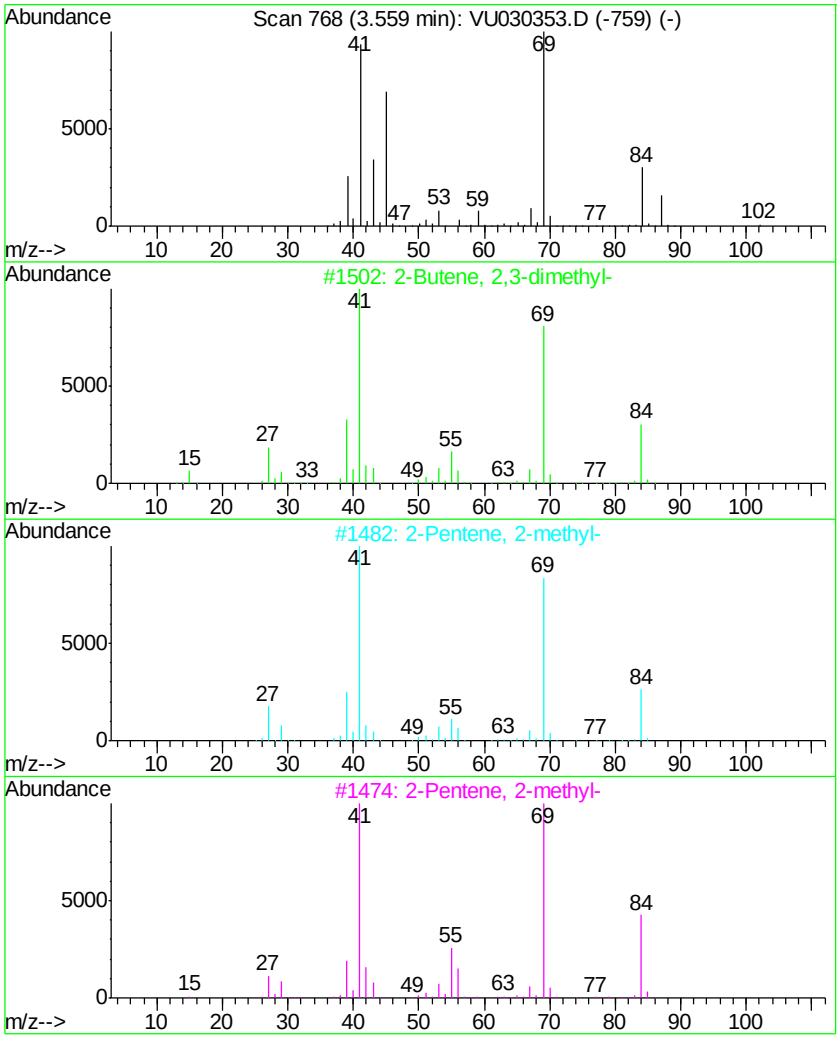

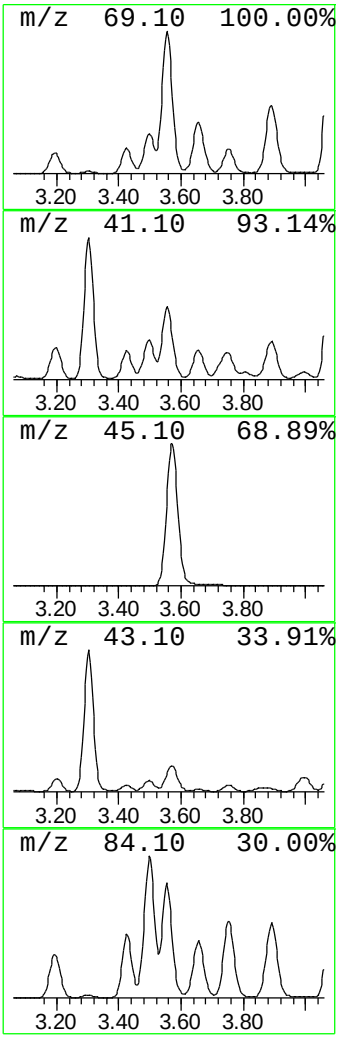

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Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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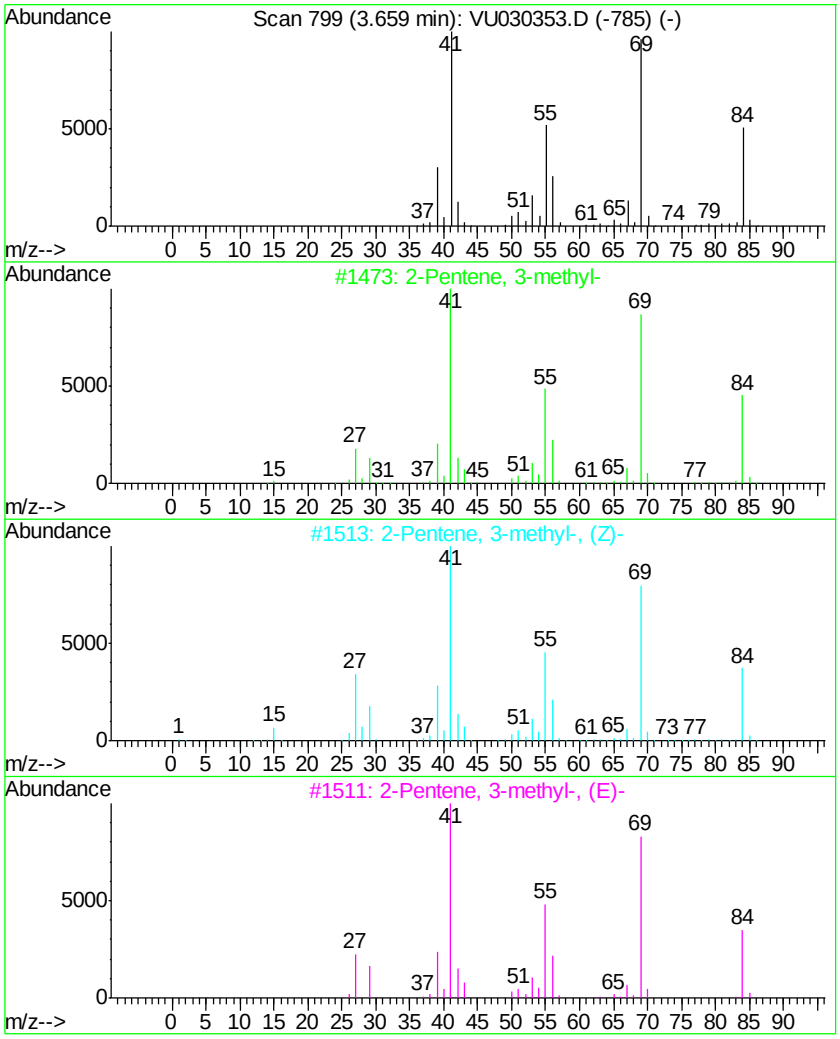
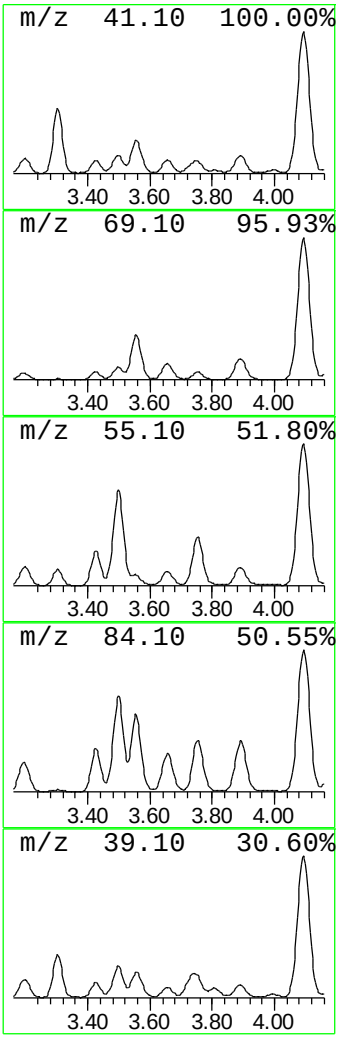
Peak Number 15 (DEL) Alkane: Cyclic3.66 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.66	31.19 ug/L	599448	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	94
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	94
4	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

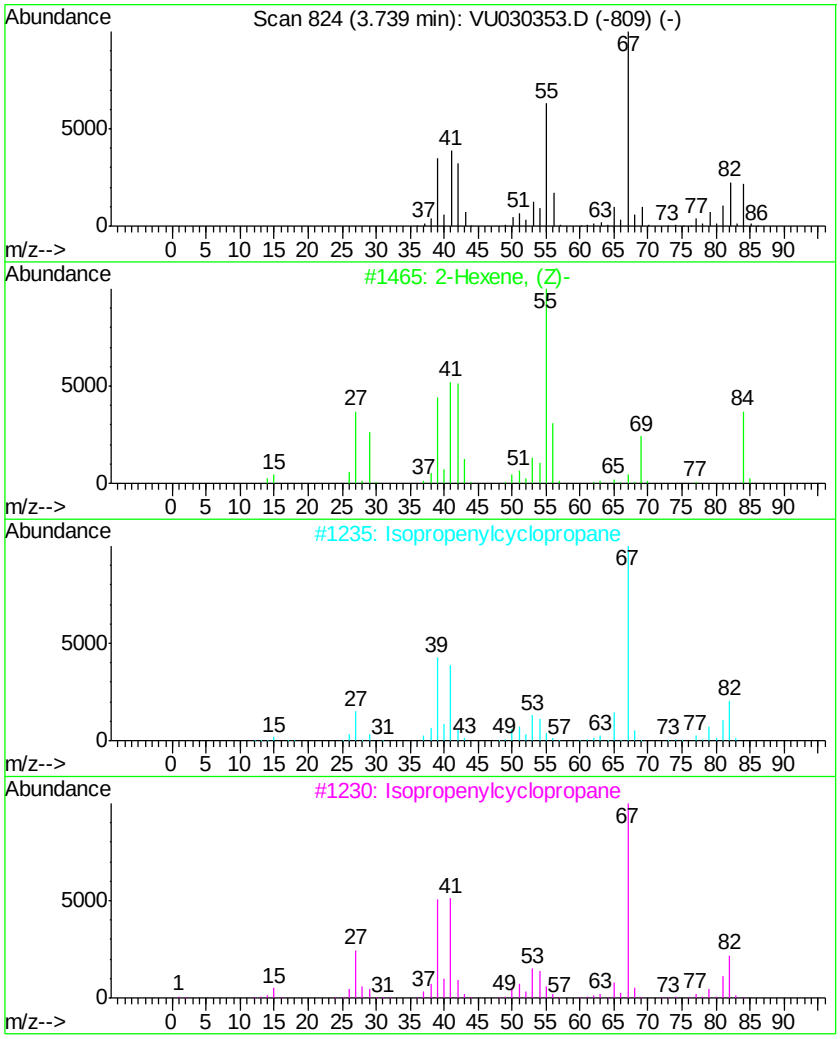
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

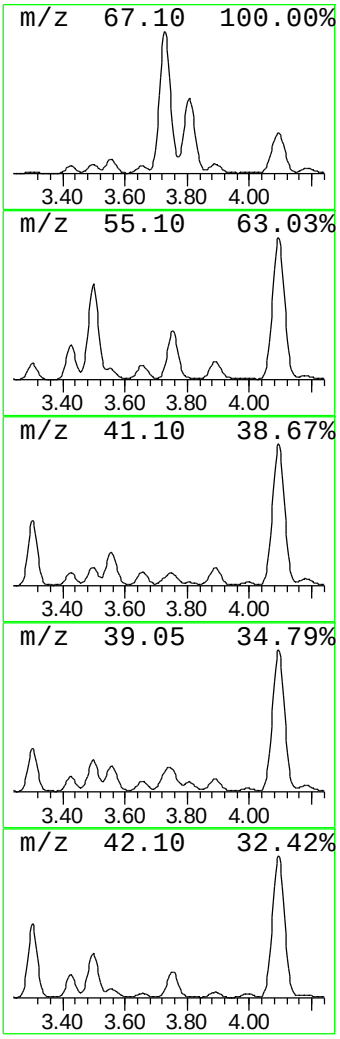
****

Peak Number 16 (DEL) Alkane: Cyclic3.74 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	86.74 ug/L	1666810	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, (Z)-	84	C6H12	007688-21-3	90
2	Isopropenylcyclopropane	82	C6H10	004663-22-3	60
3	Isopropenylcyclopropane	82	C6H10	004663-22-3	60
4	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	60
5	Cyclobutene, 3,3-dimethyl-	82	C6H10	016327-38-1	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

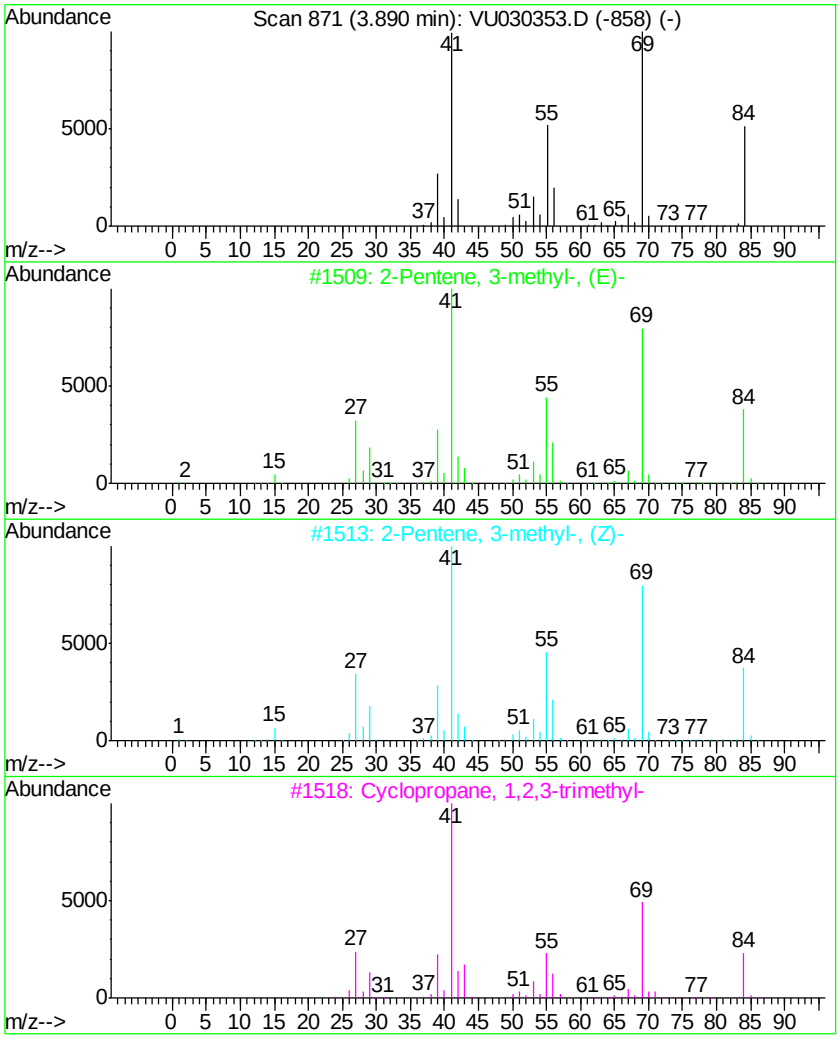
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

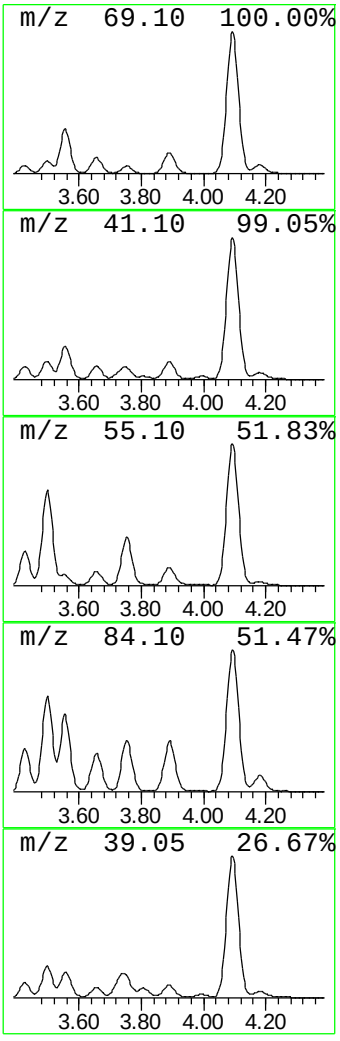
****

Peak Number 17 (DEL) Alkane: Cyclic3.89 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.89	49.39 ug/L	949204	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
3	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	86
4	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	86
5	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	83





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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

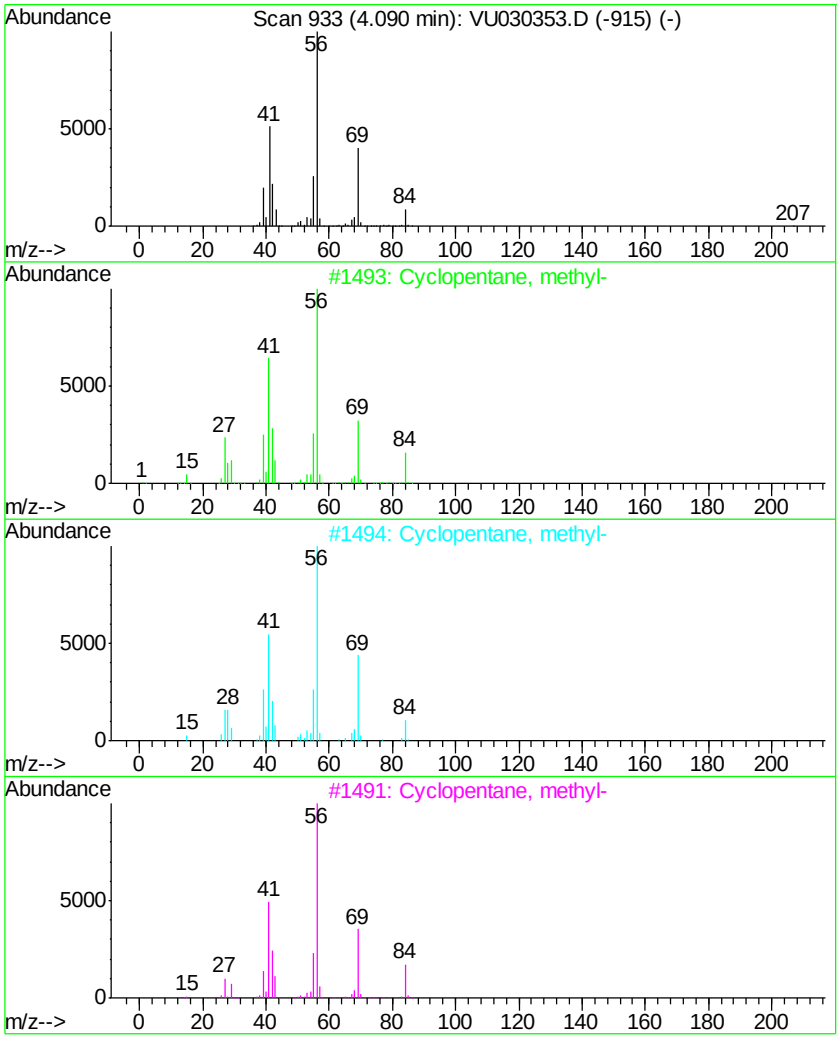
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

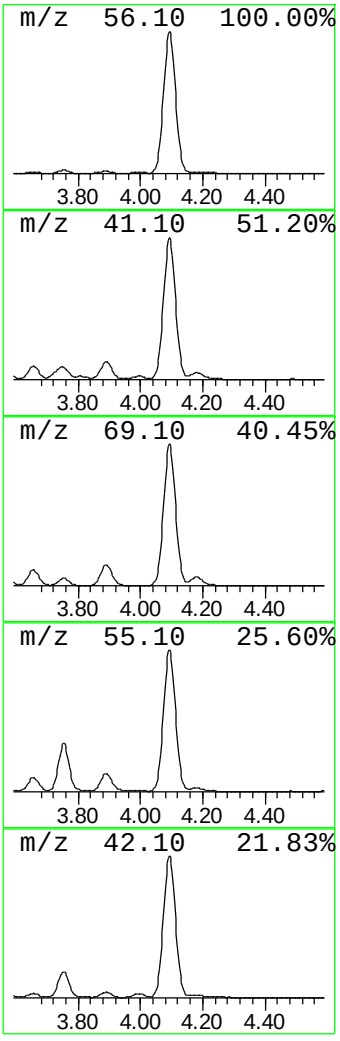
****

Peak Number 18 (DEL) Alkane: Cyclic4.09 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	599.05 ug/L	11512000	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

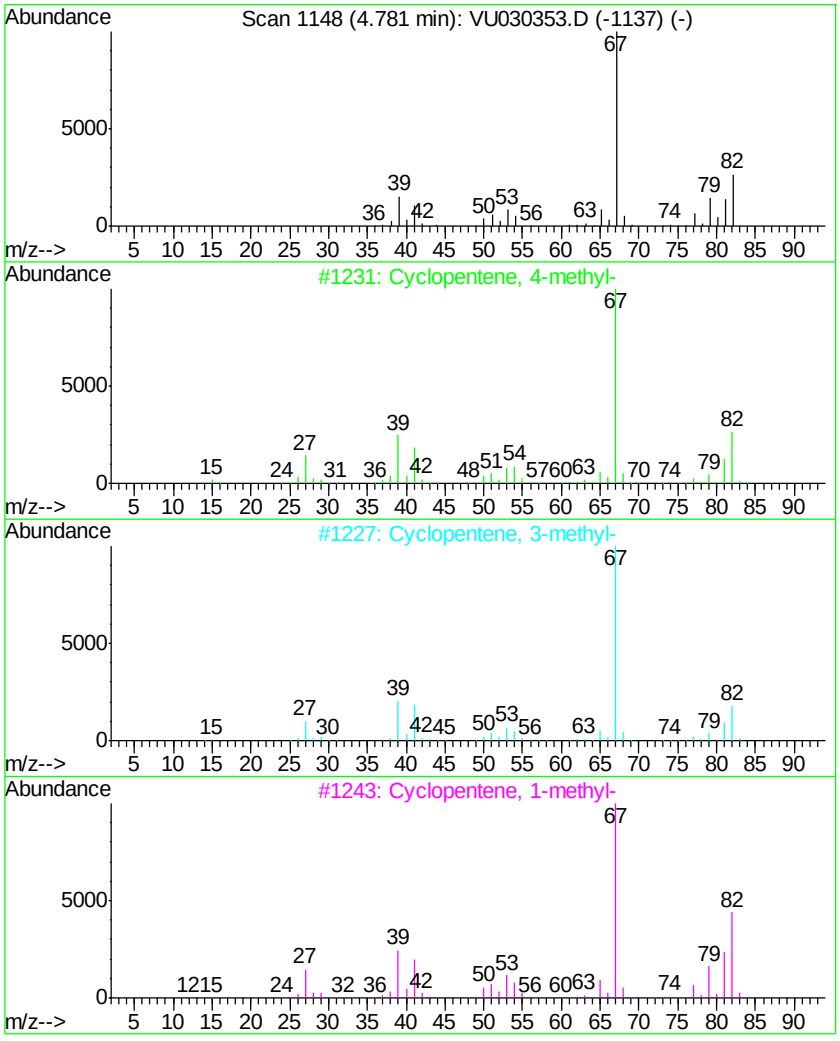
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

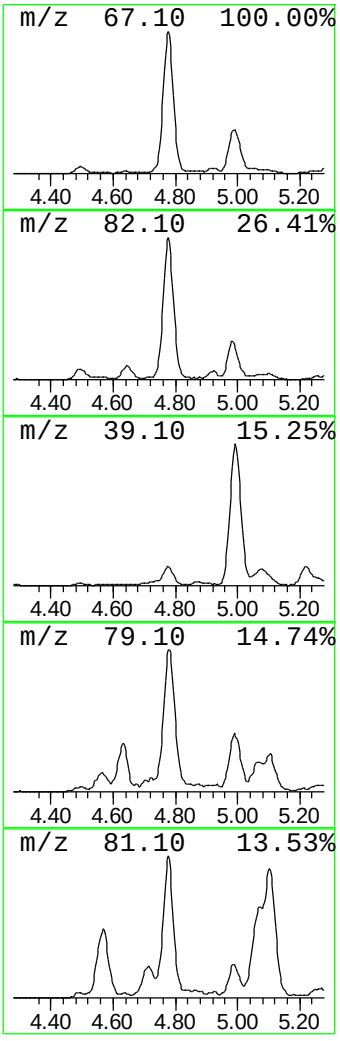
****

Peak Number 19 Cyclopentene, 4-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	45.34 ug/L	871273	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

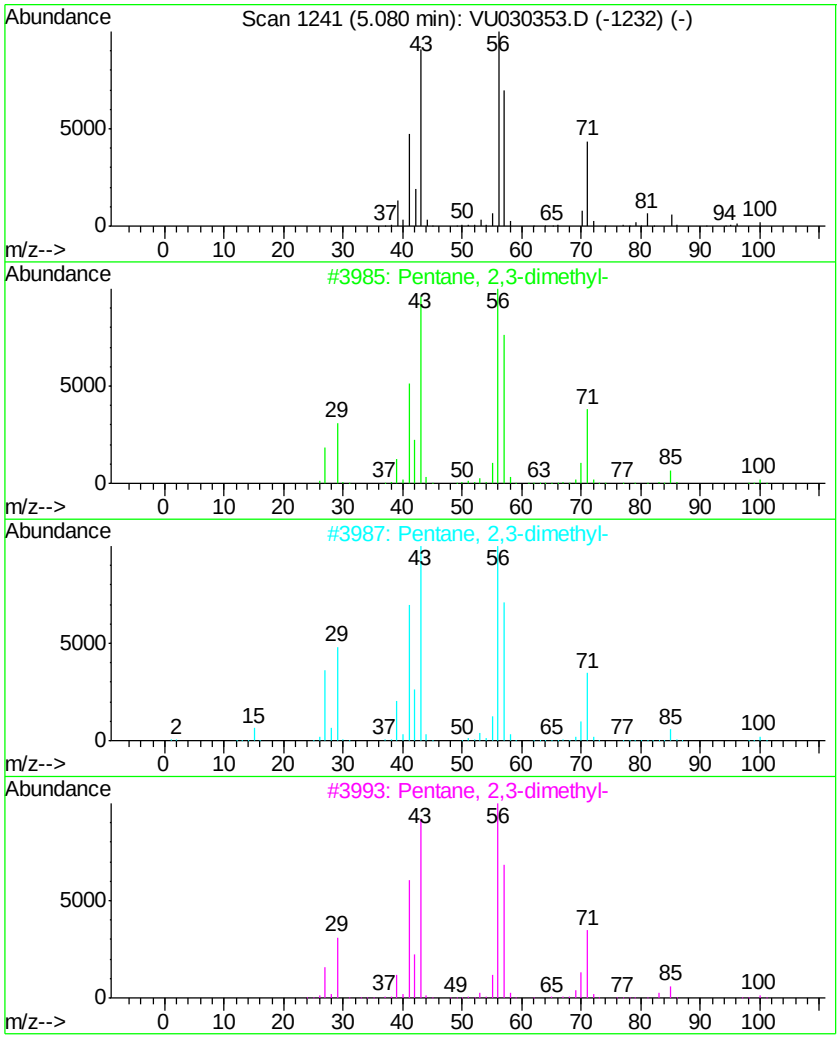
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

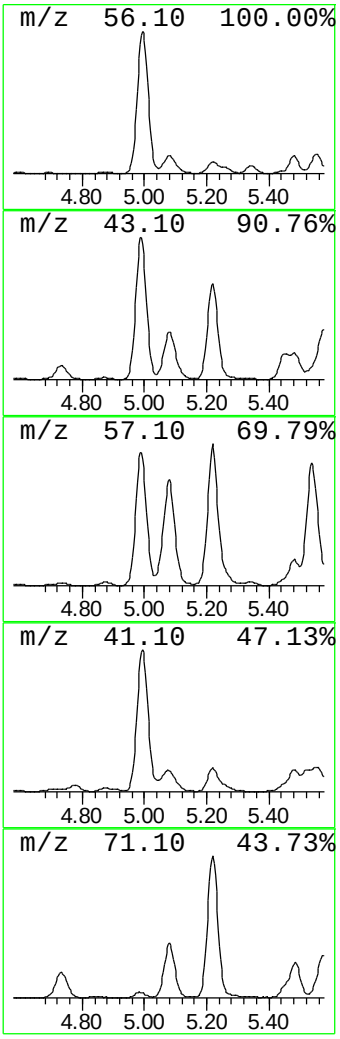
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	75.69 ug/L	1454520	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	78
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
5	Ethane, isocyanato-	71	C3H5NO	000109-90-0	59





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

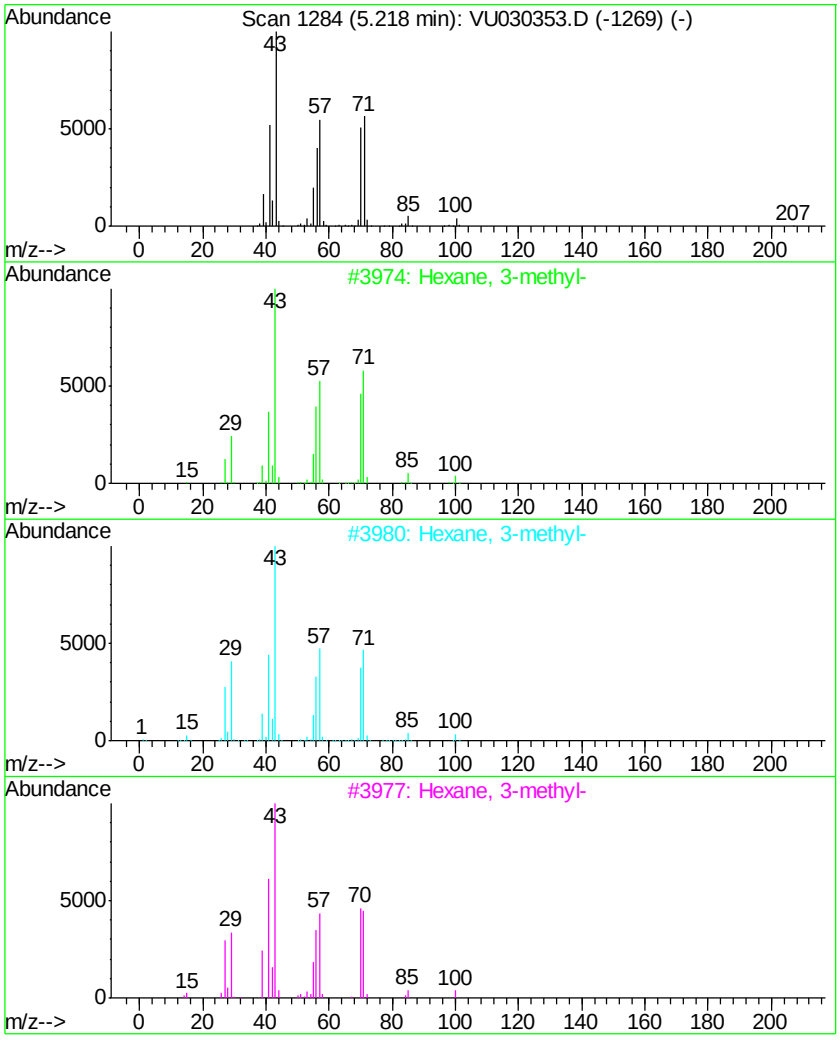
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

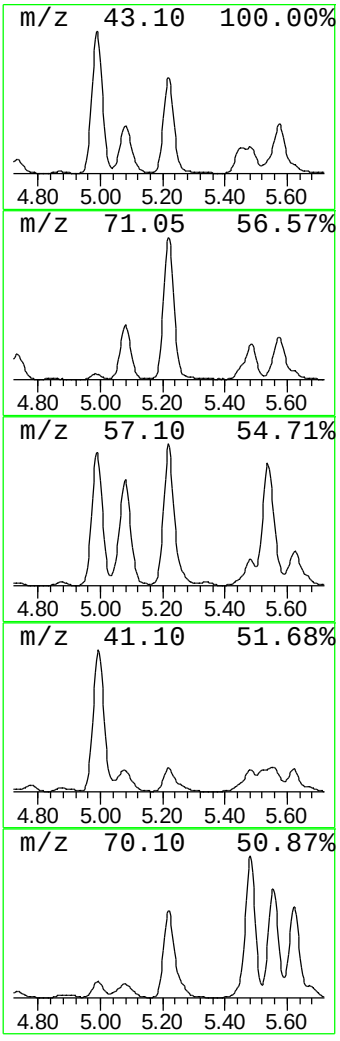
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	100.25 ug/L	1926480	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Heptane	100	C7H16	000142-82-5	64
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	58





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

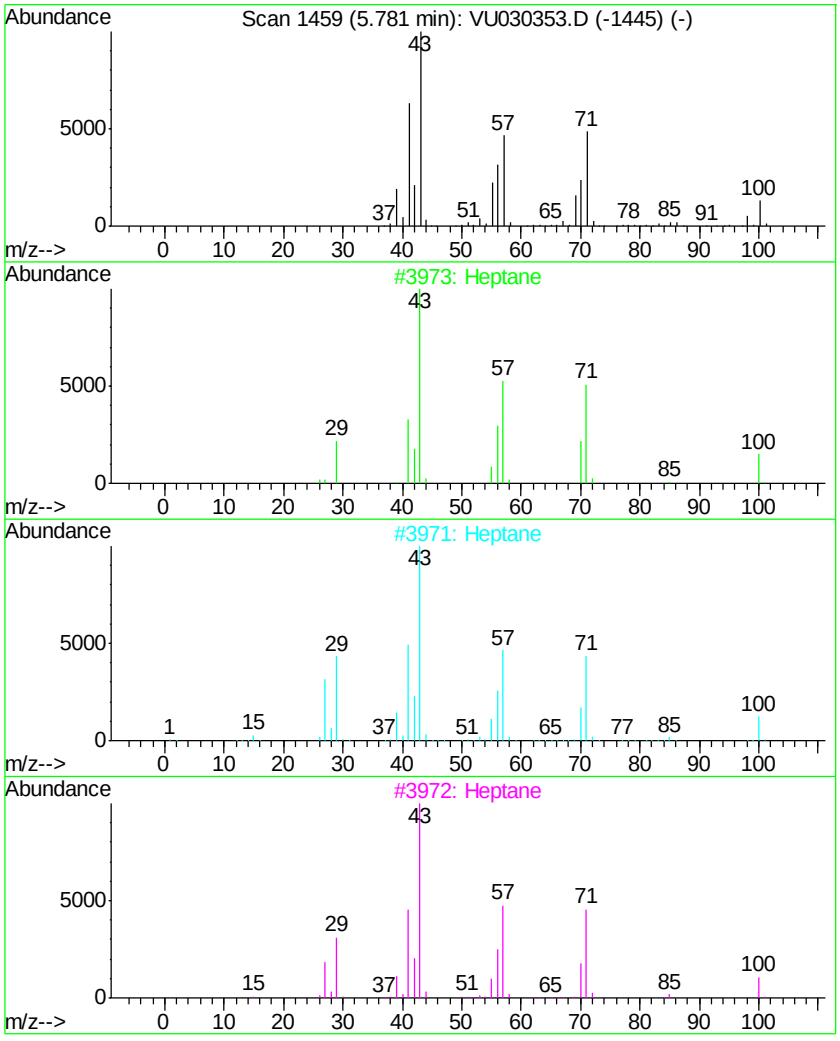
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

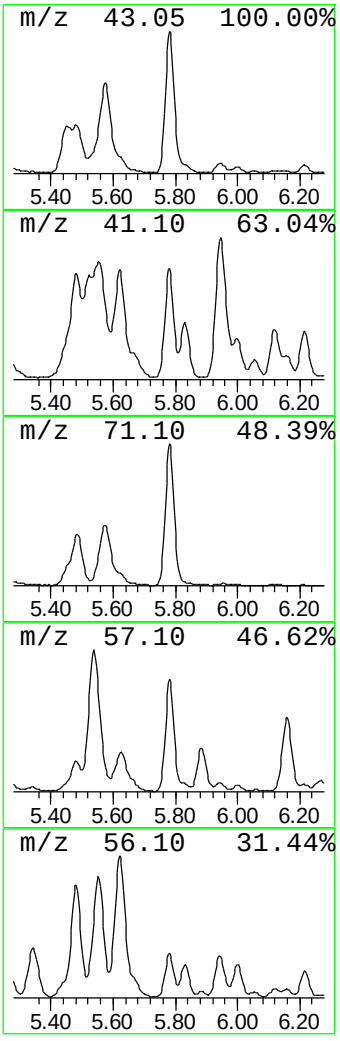
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	57.66 ug/L	1108140	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	87
2	Heptane	100	C7H16	000142-82-5	81
3	Heptane	100	C7H16	000142-82-5	74
4	Heptane	100	C7H16	000142-82-5	74
5	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	50





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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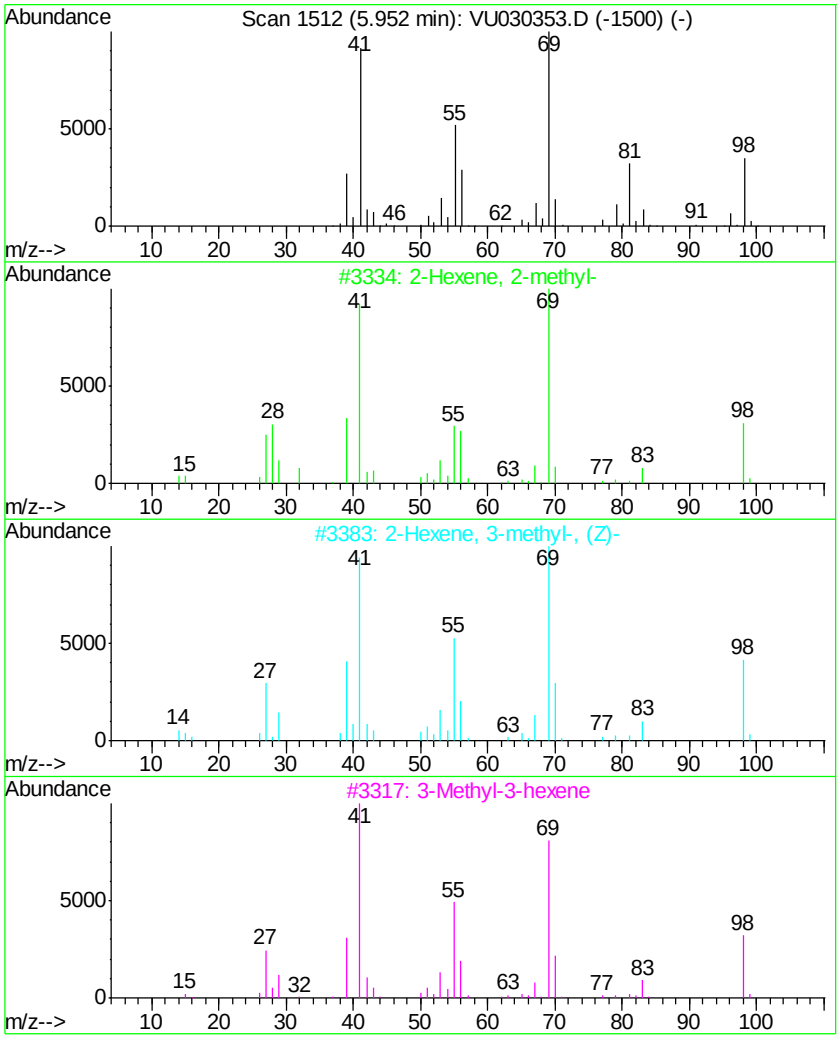
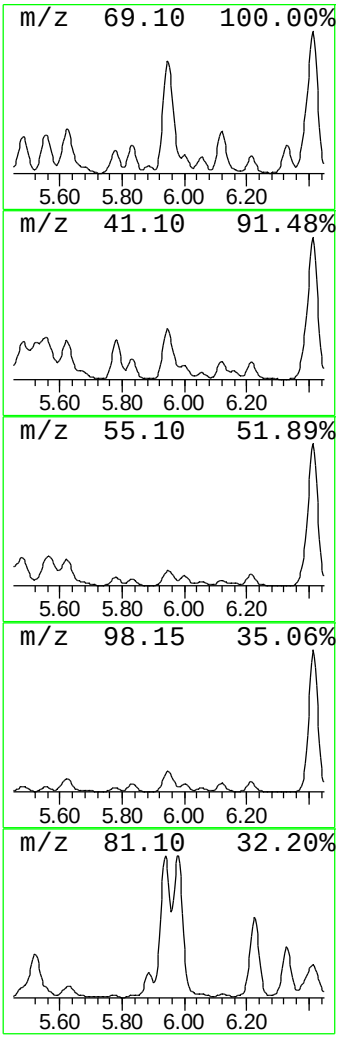
Peak Number 23 (DEL) Alkane: Cyclic5.95 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	92.43 ug/L	1776240	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	76
3	3-Methyl-3-hexene	98	C7H14	003404-65-7	76
4	(Z)-4-Methyl-2-hexene	98	C7H14	003683-19-0	74
5	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	68





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

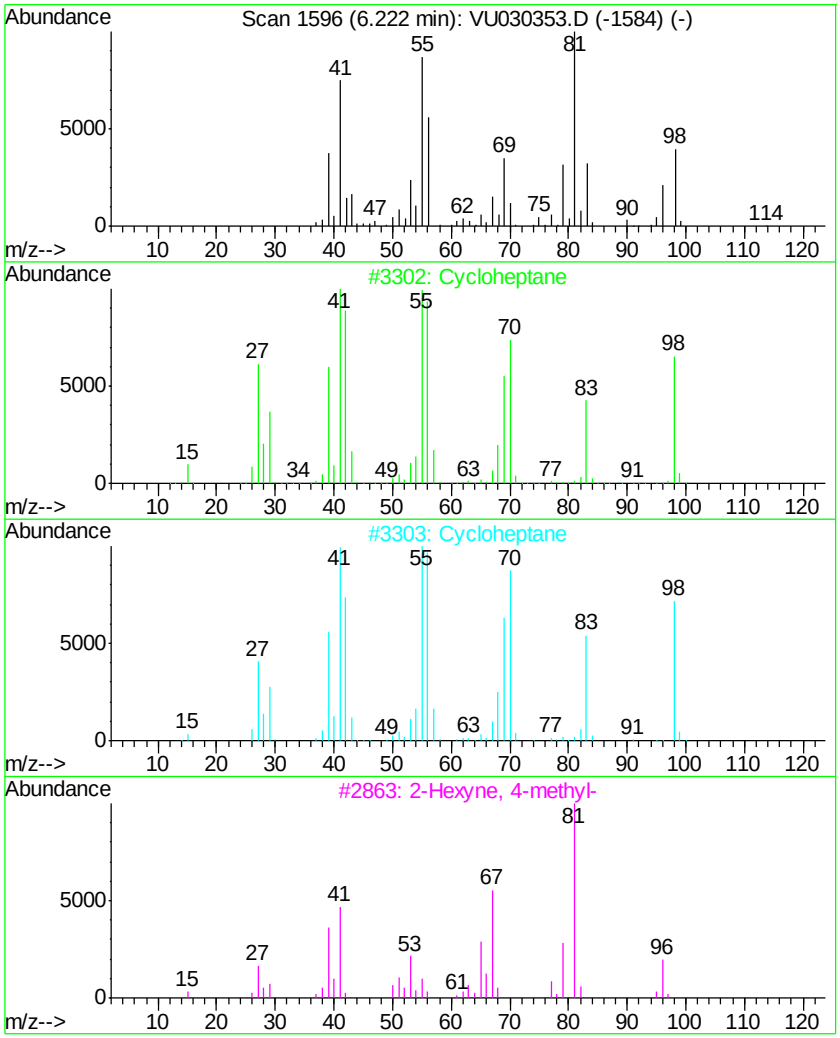
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

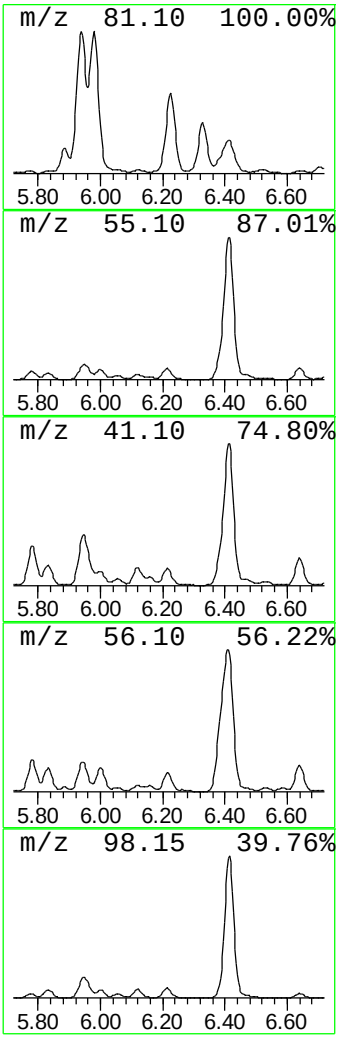
****

Peak Number 24 (DEL) Alkane: Cyclic6.22 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	29.24 ug/L	561947	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane	98	C7H14	000291-64-5	45
2	Cycloheptane	98	C7H14	000291-64-5	43
3	2-Hexyne, 4-methyl-	96	C7H12	020198-49-6	41
4	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	30
5	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	30





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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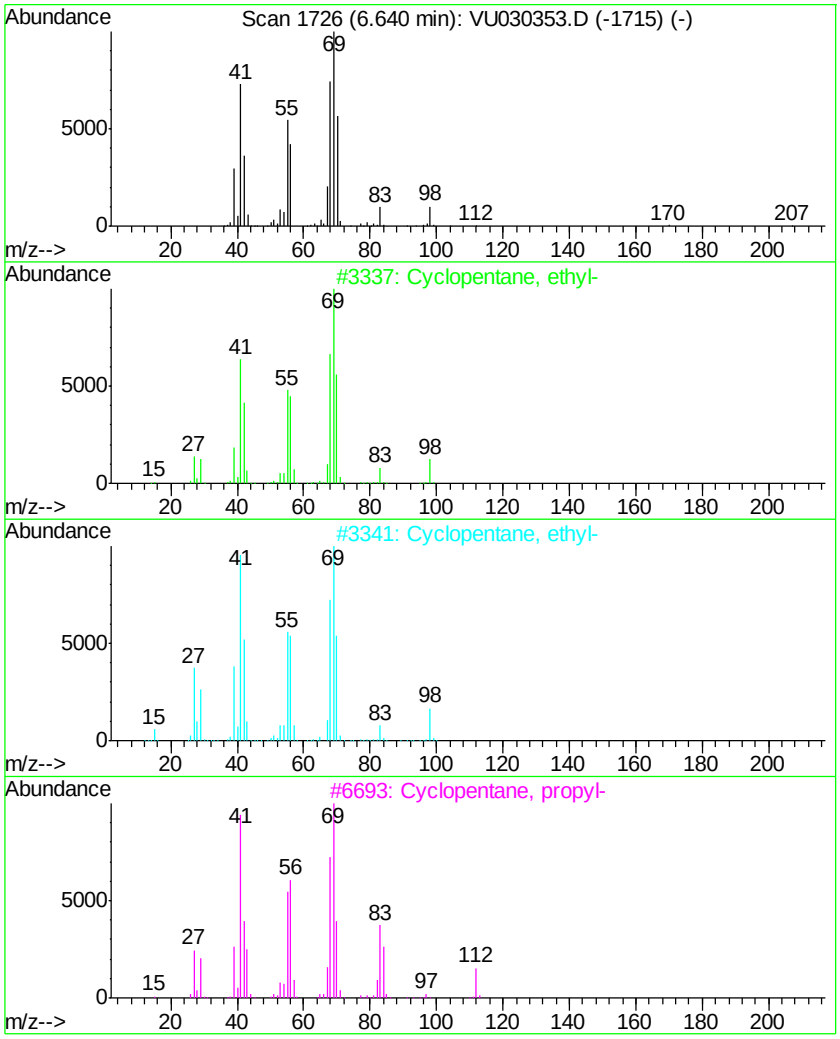
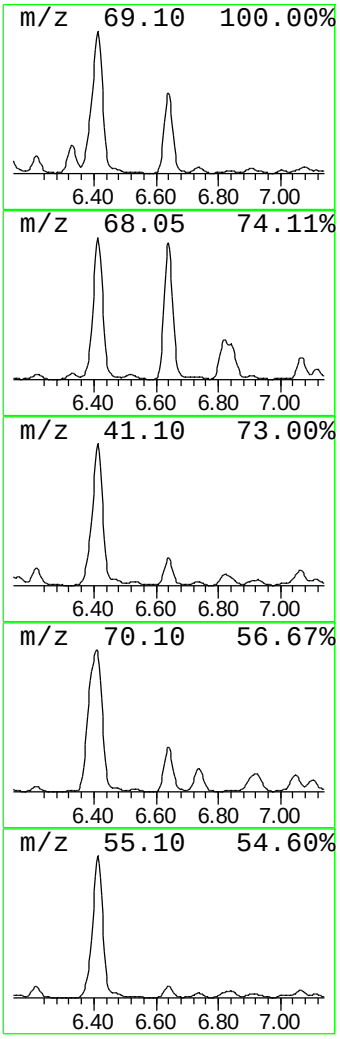
Peak Number 25 (DEL) Alkane: Cyclic6.64 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	40.47 ug/L	777637	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	95
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	91
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	53
4	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	43
5	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	38





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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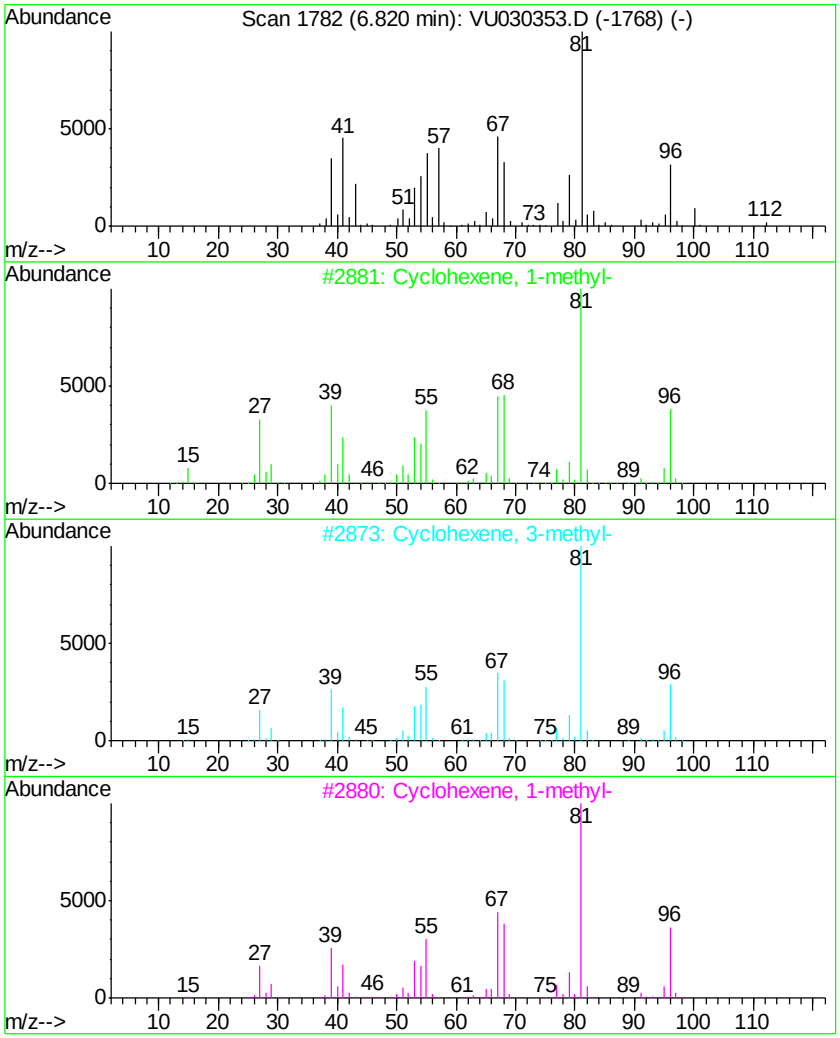
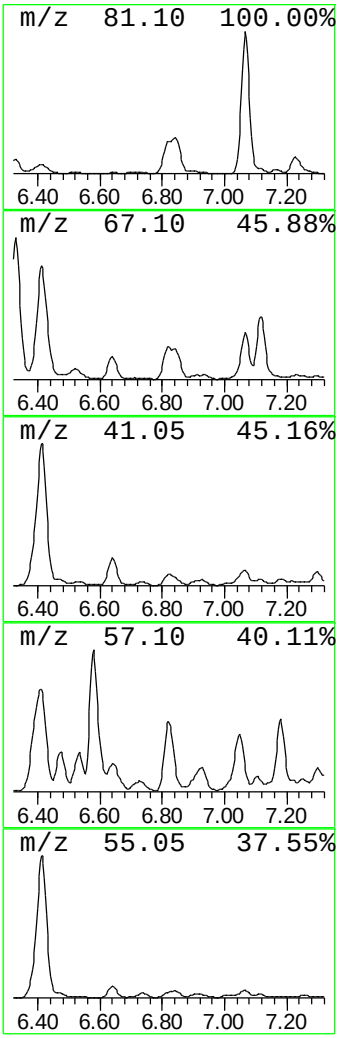
Peak Number 26 Cyclohexene, 1-methyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	22.53 ug/L	433024	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	87
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	76
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

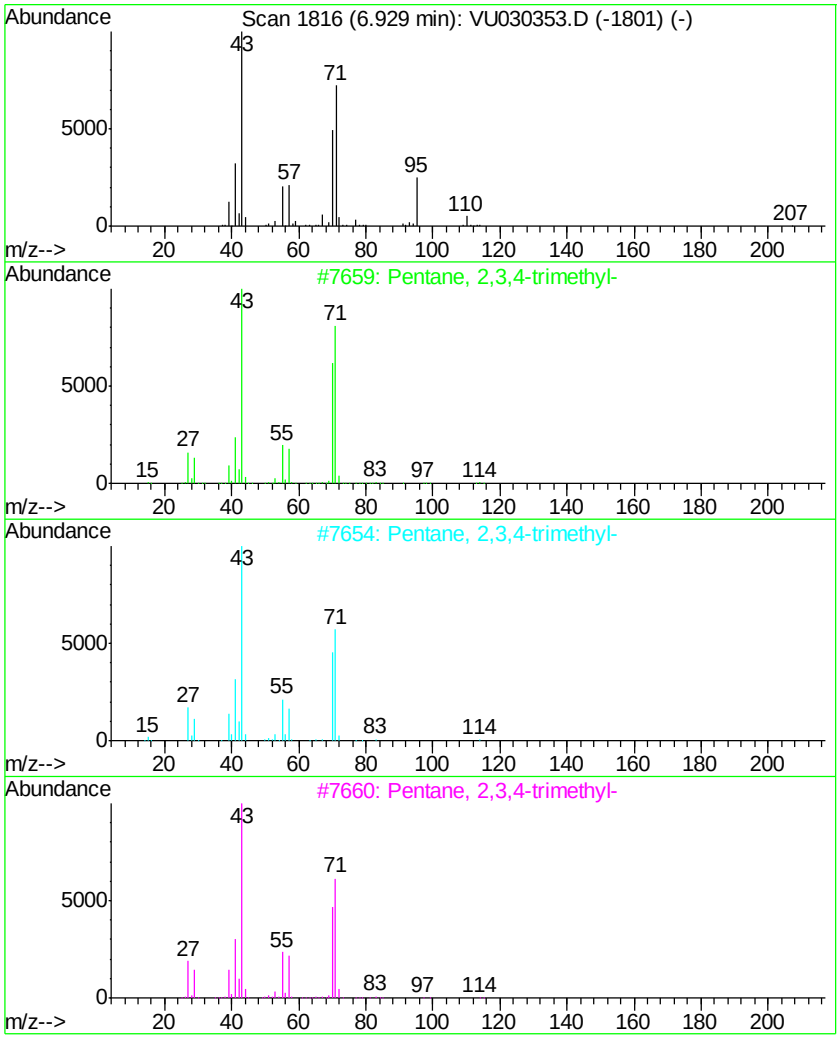
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

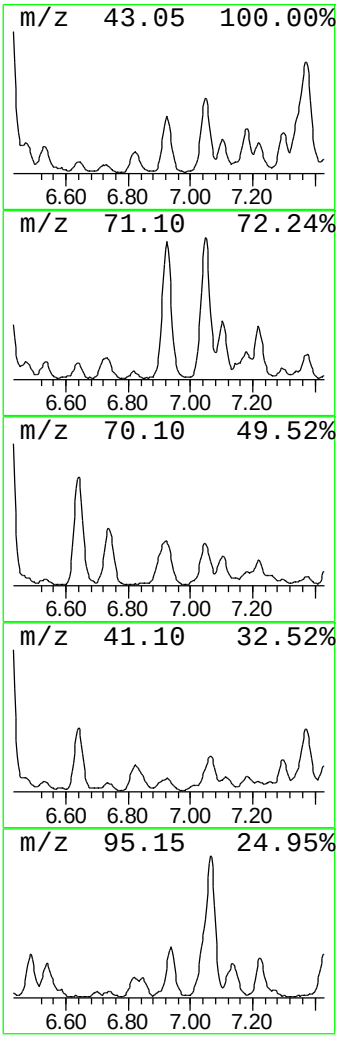
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	20.14 ug/L	387010	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	72
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	68
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	68
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	68
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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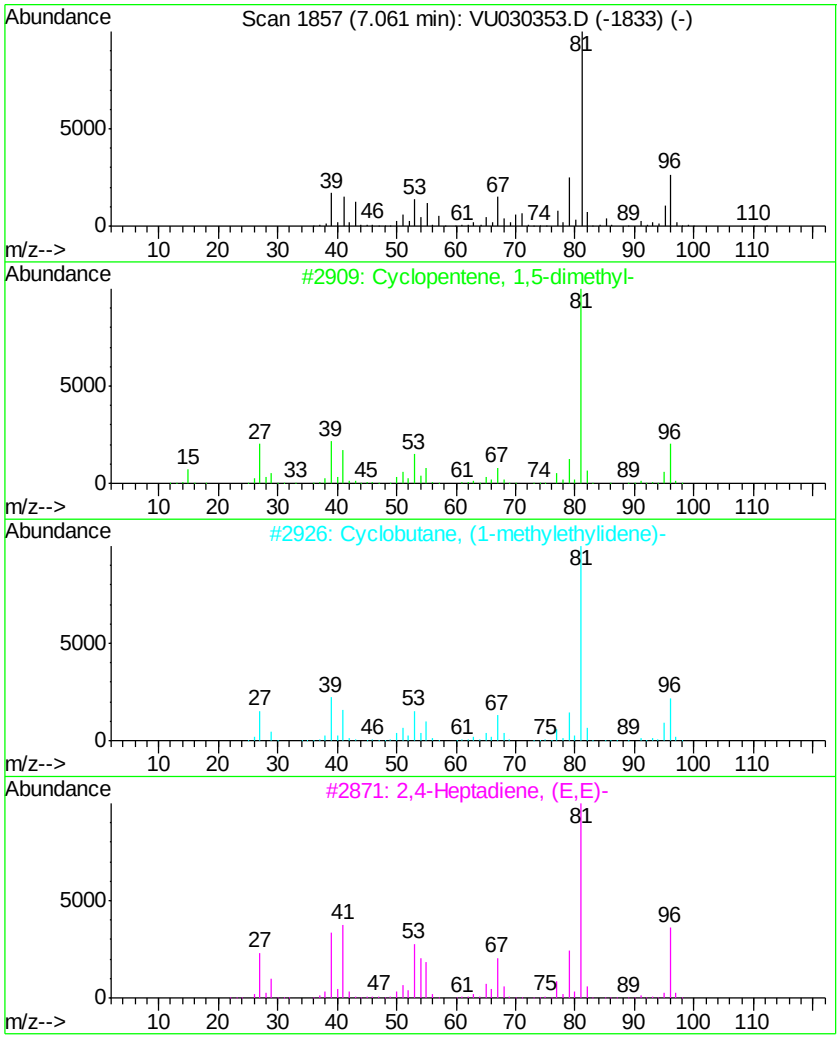
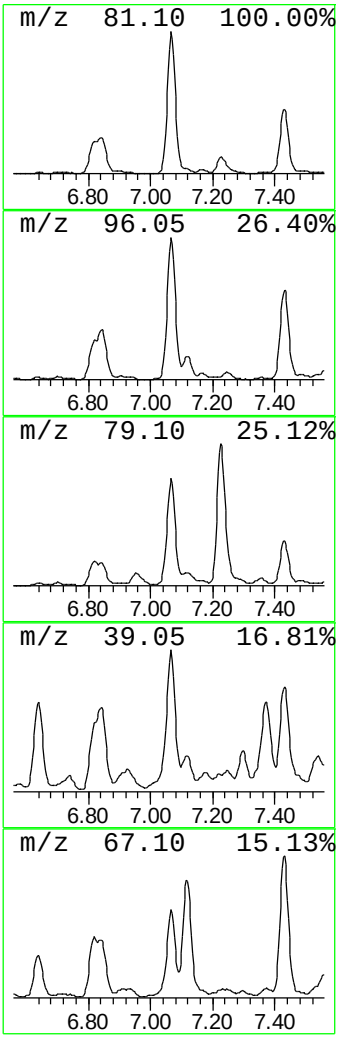
Peak Number 28 Cyclopentene, 1,5-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	81.15 ug/L	1559470	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
3	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	87
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	86
5	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	86





Library Search Compound Report

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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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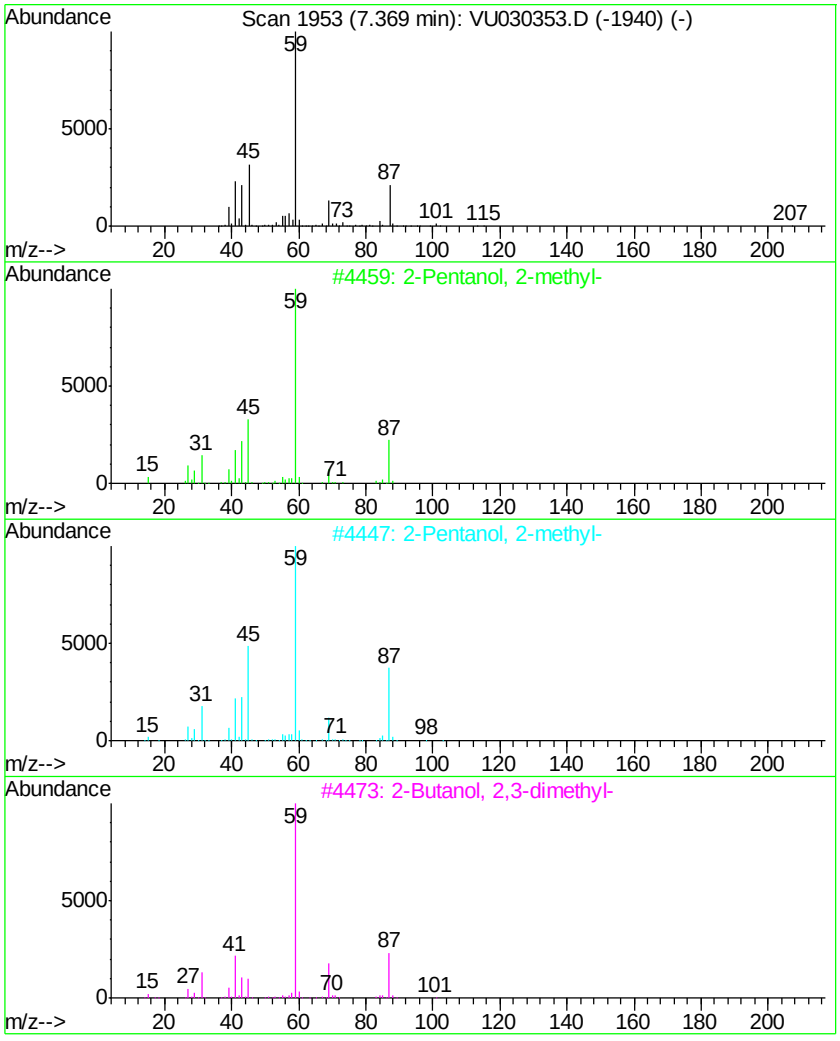
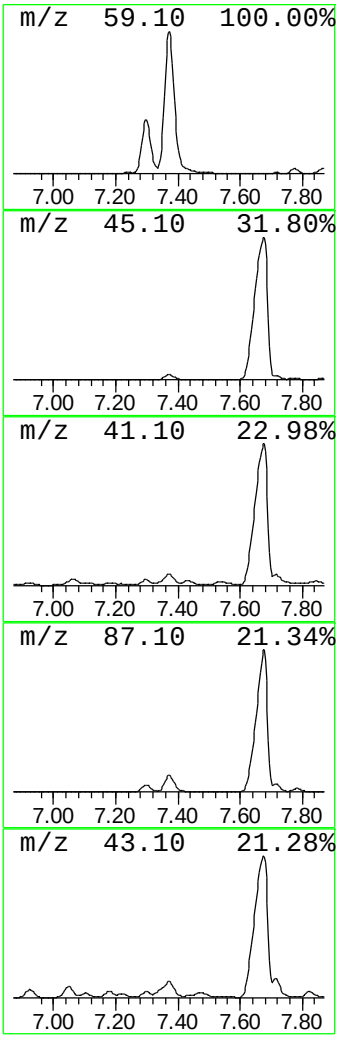
Peak Number 30 2-Pentanol, 2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	57.77 ug/L	1110150	1,4-Difluorobenzene	5.88

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





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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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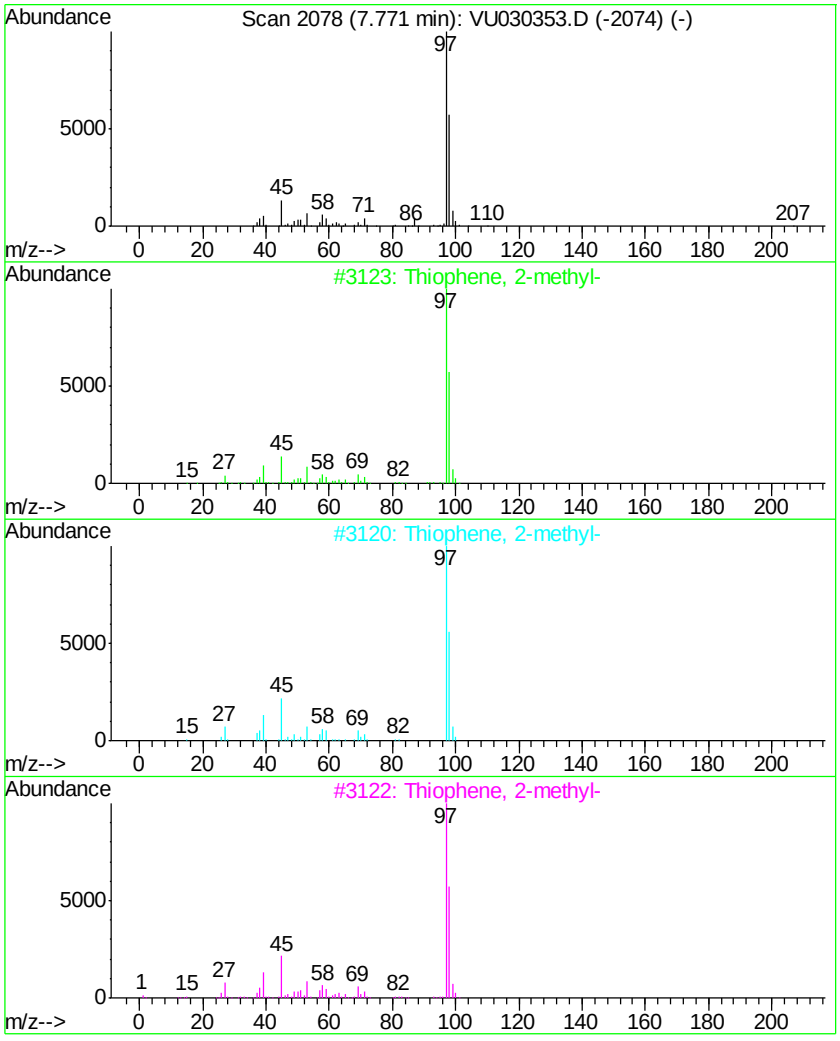
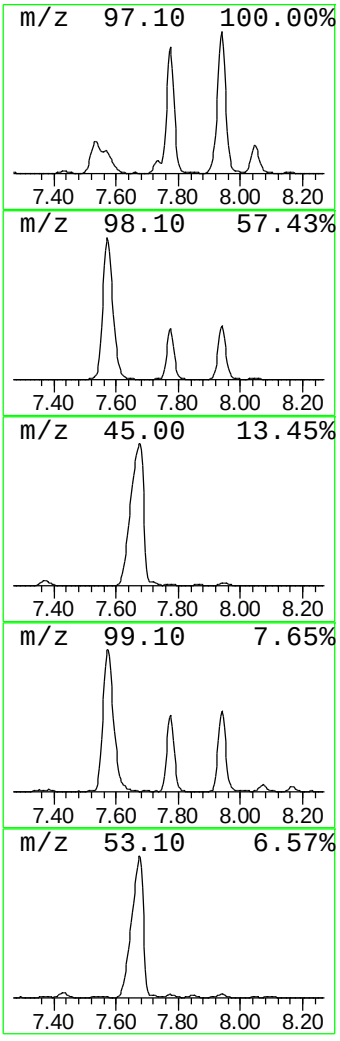
Peak Number 32 Thiophene, 2-methyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	26.21 ug/L	591924	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	94
2	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	90
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	90





Library Search Compound Report

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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

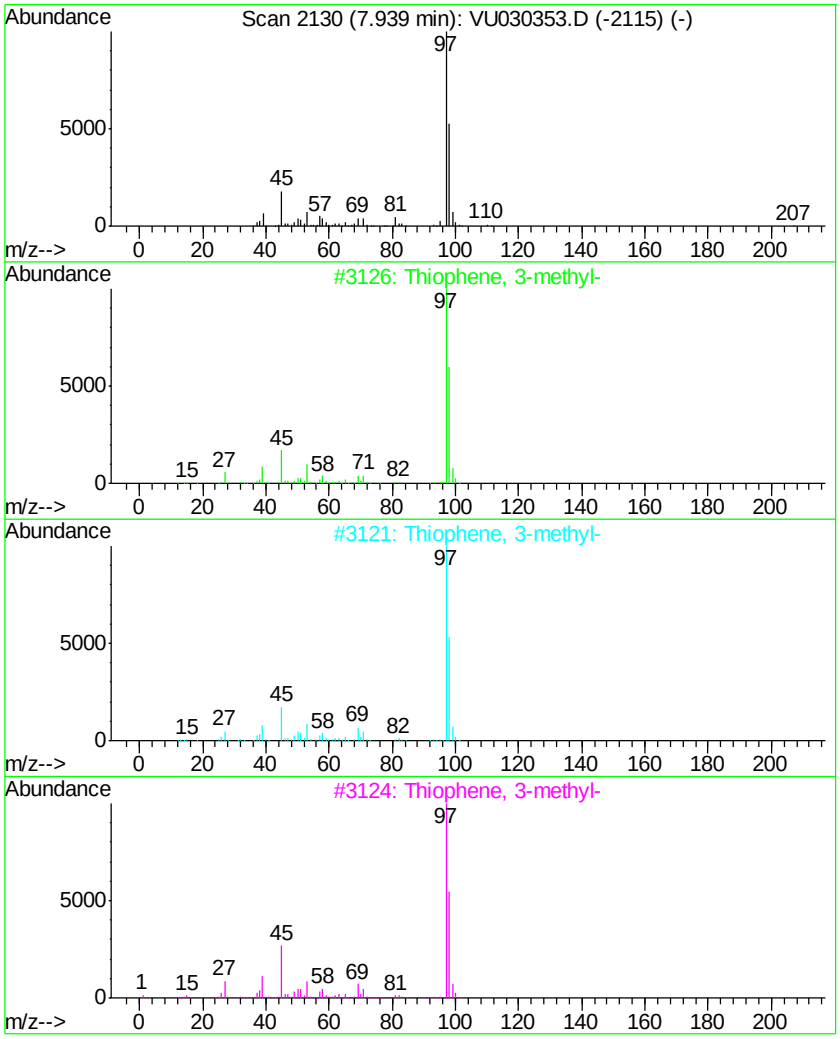
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

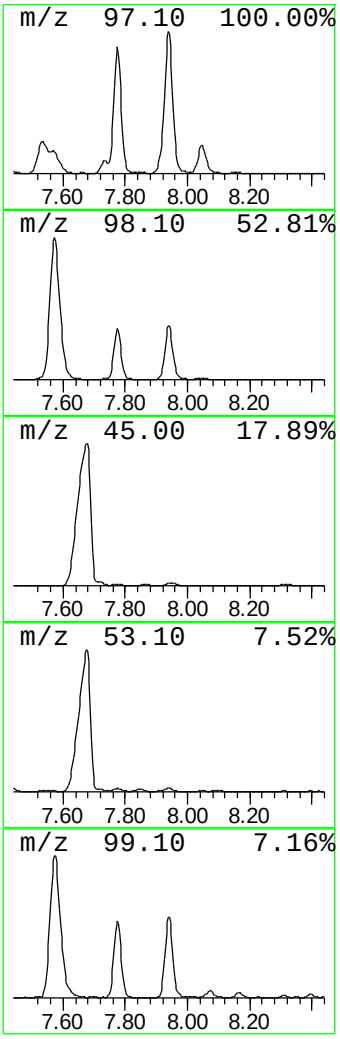
****

Peak Number 33 Thiophene, 3-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	48.16 ug/L	1087620	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	94
3	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
4	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
5	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91





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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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Quant Title : VOC Analysis

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

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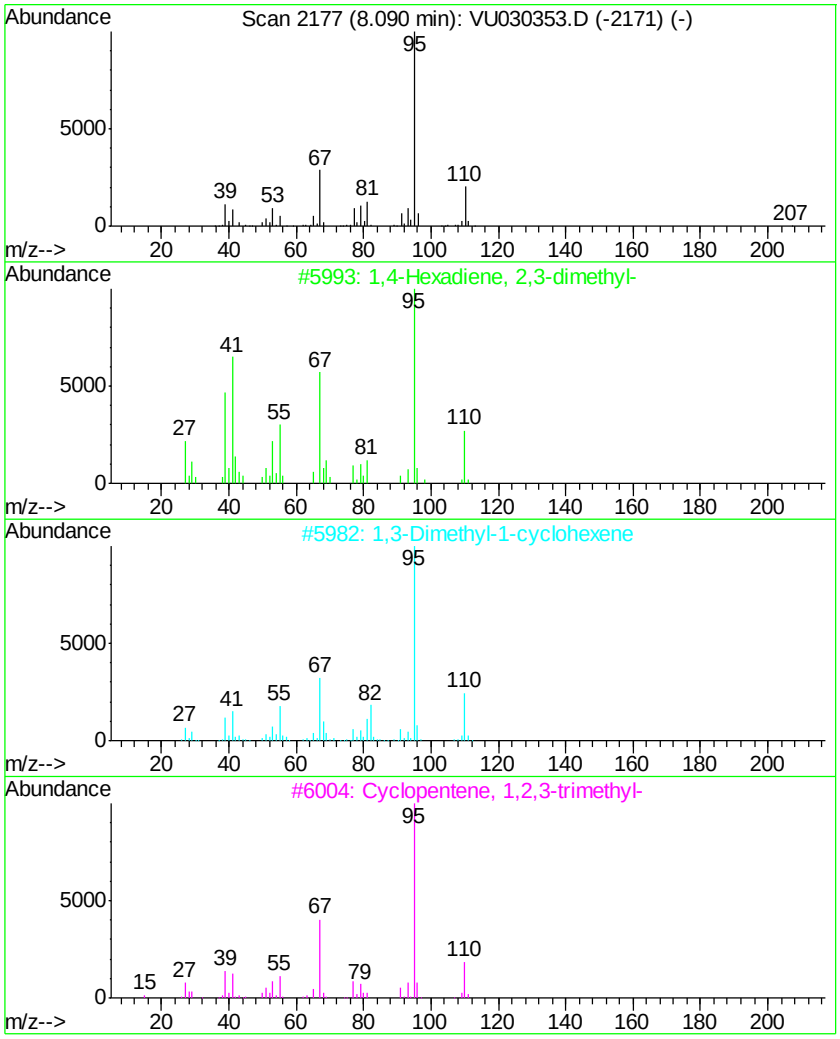
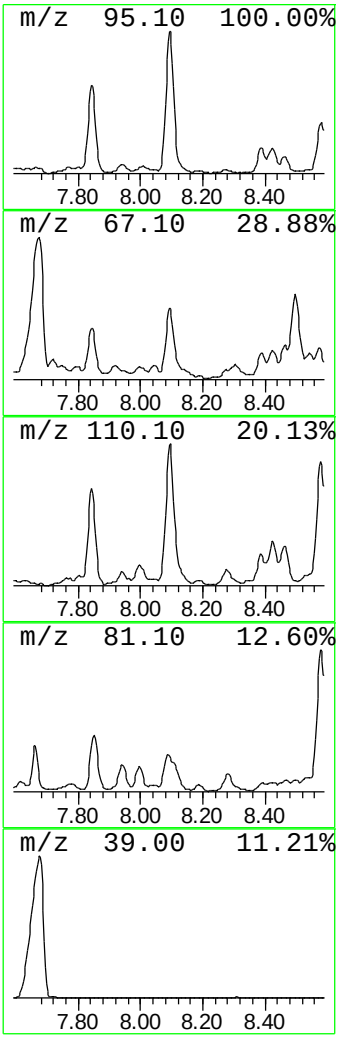
Peak Number 34 1,4-Hexadiene, 2,3-dimethyl- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	14.99 ug/L	338533	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	91
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	90
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	87
5	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	83





Library Search Compound Report

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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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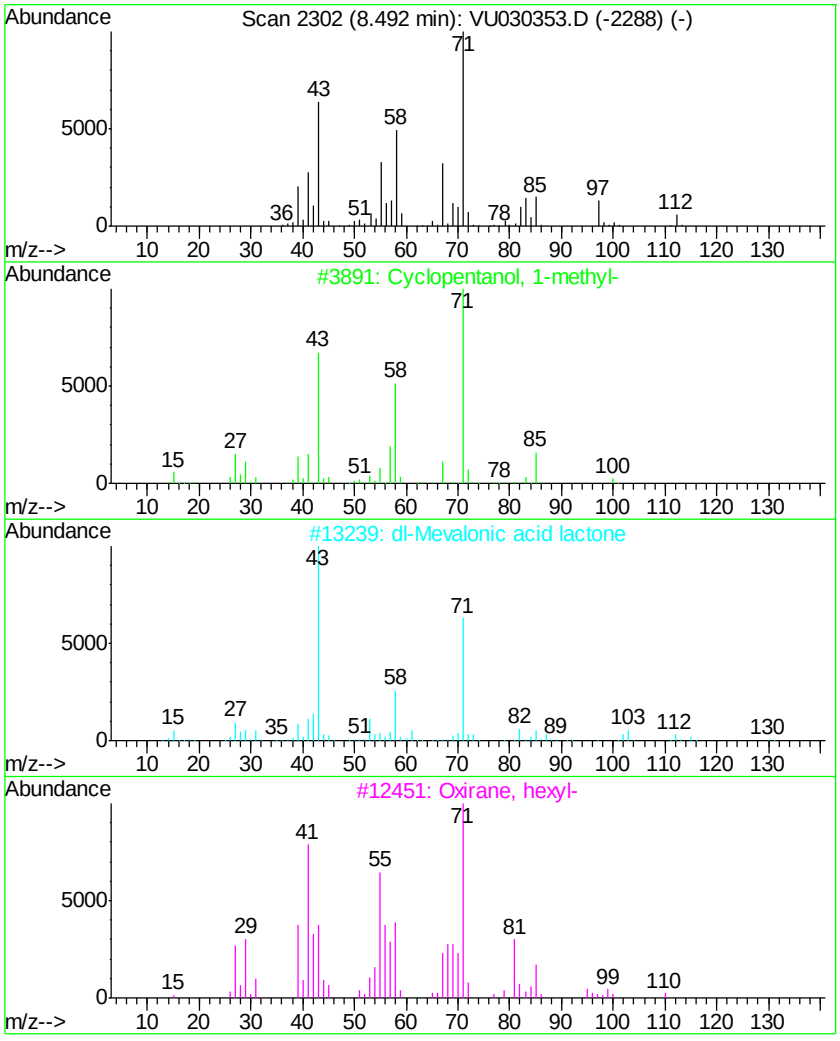
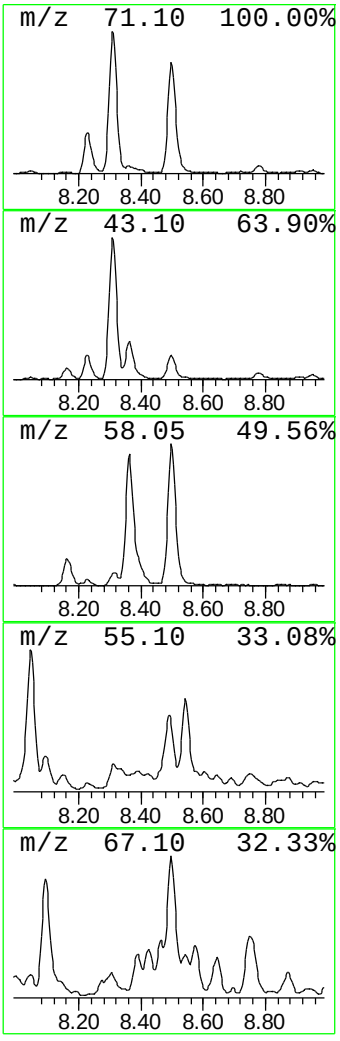
Peak Number 35 Cyclopentanol, 1-methyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	28.33 ug/L	639914	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	58
2	dl-Mevalonic acid lactone	130	C6H10O3	000674-26-0	53
3	Oxirane, hexyl-	128	C8H16O	002984-50-1	50
4	Oxirane, butyl-	100	C6H12O	001436-34-6	43
5	2,3'-Bifuran, octahydro-	142	C8H14O2	073373-15-6	43





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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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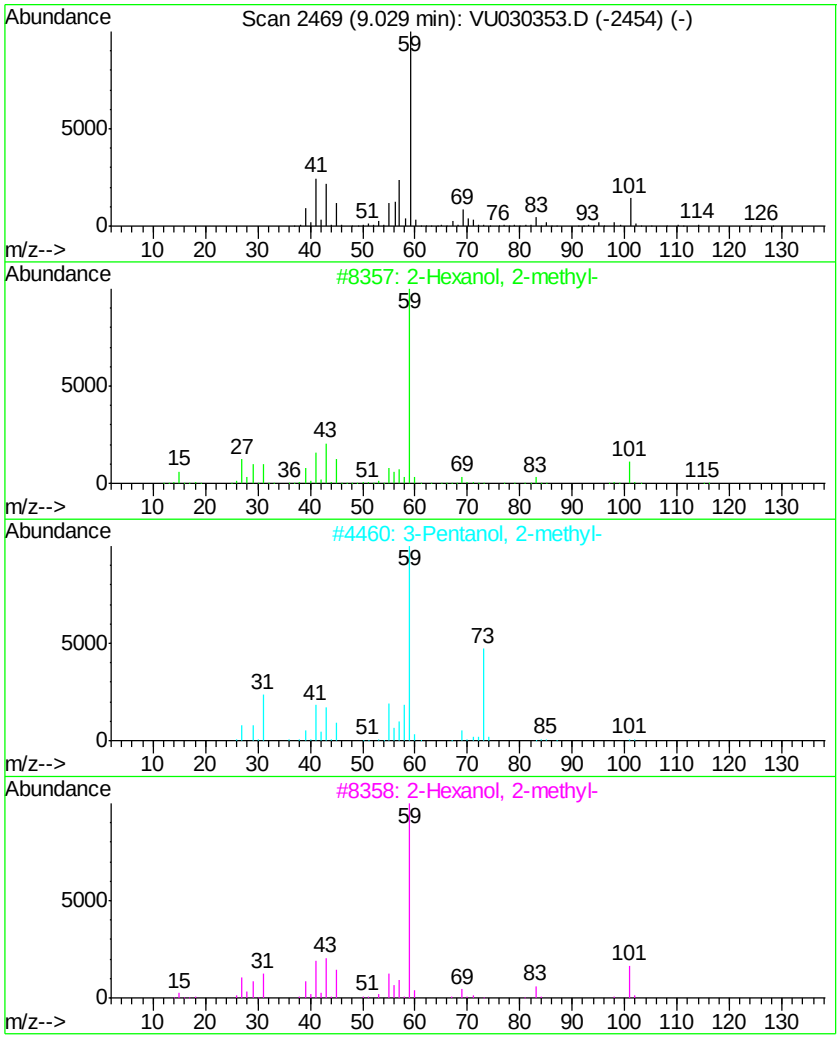
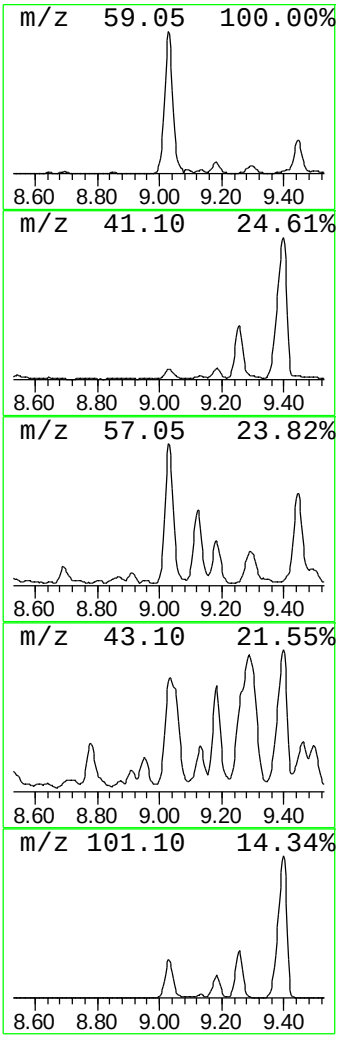
Peak Number 36 2-Hexanol, 2-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	35.28 ug/L	796753	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	72
2	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	72
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	72
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	72
5	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	64





Library Search Compound Report

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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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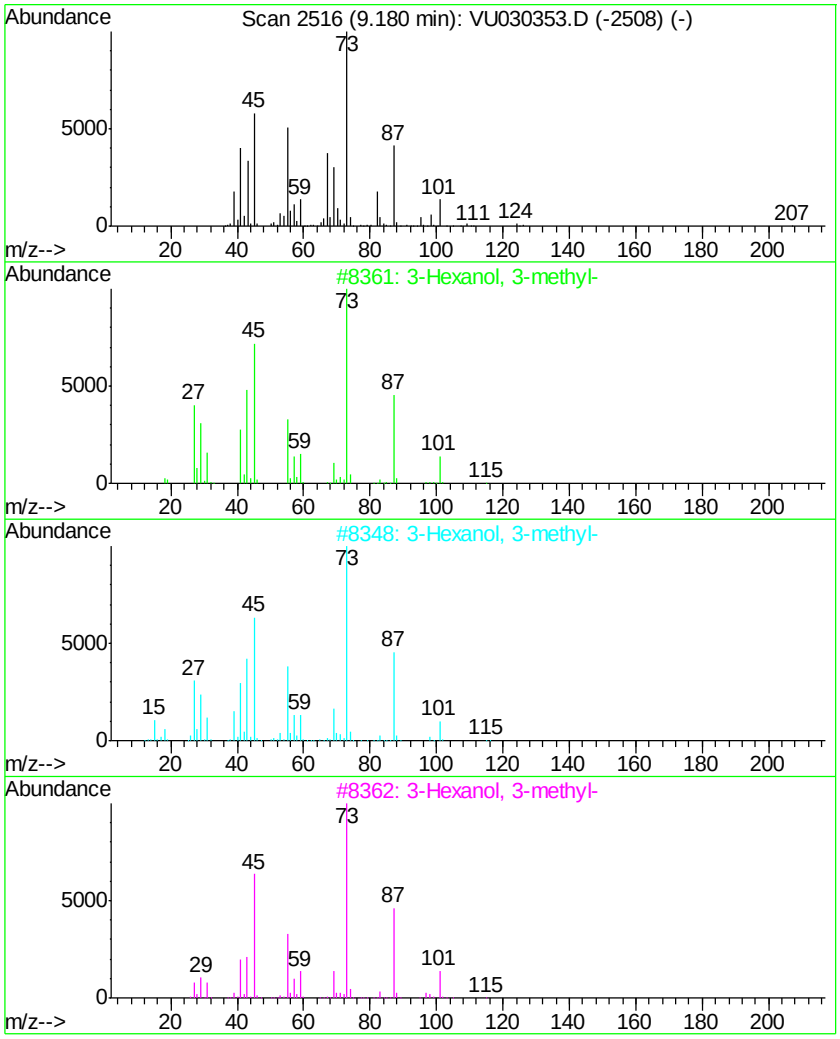
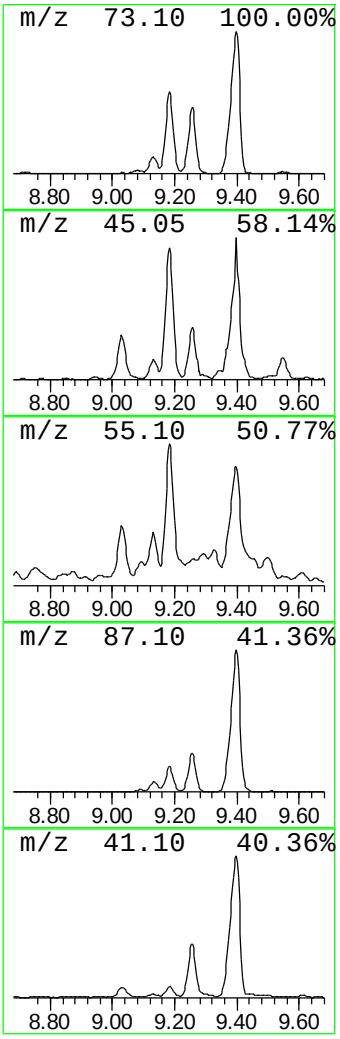
Peak Number 37 3-Hexanol, 3-methyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	28.71 ug/L	648420	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	52
2	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	50
3	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	50
4	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	47
5	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	43





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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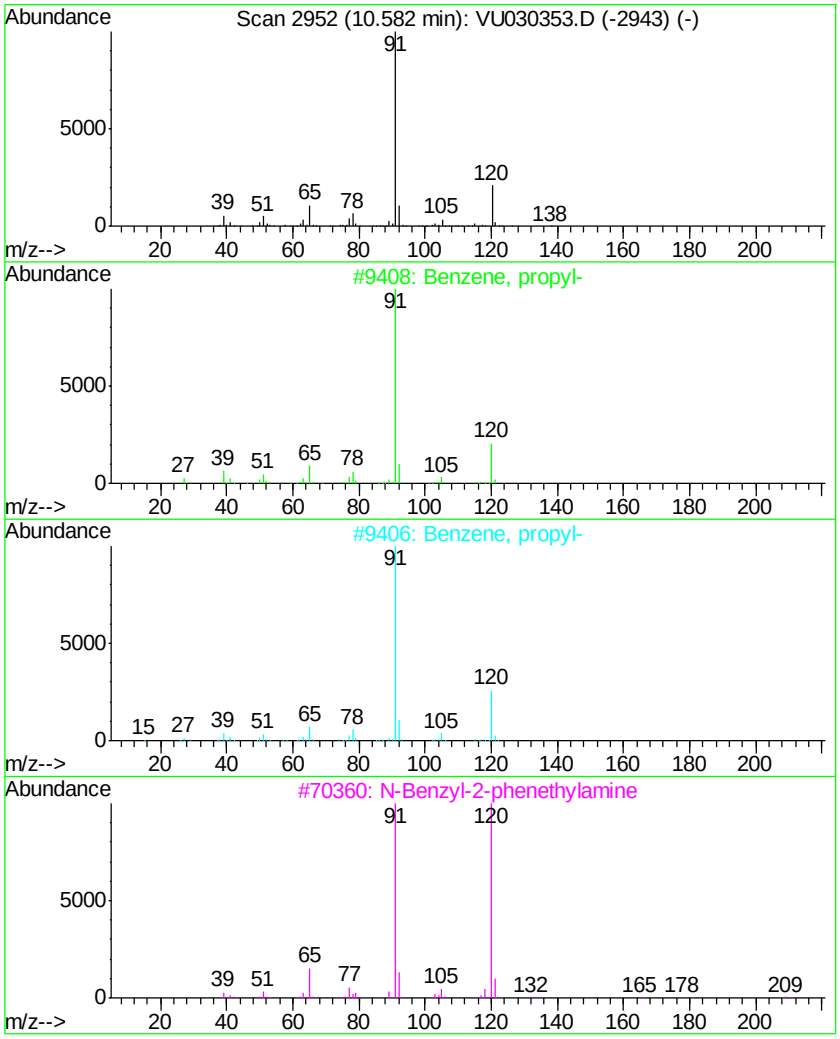
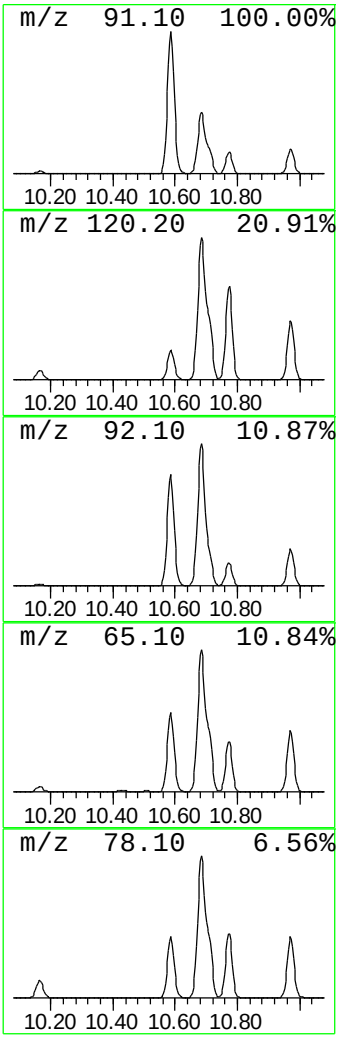
Peak Number 38 Benzene, propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	288.20 ug/L	10466500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
5	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	59





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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

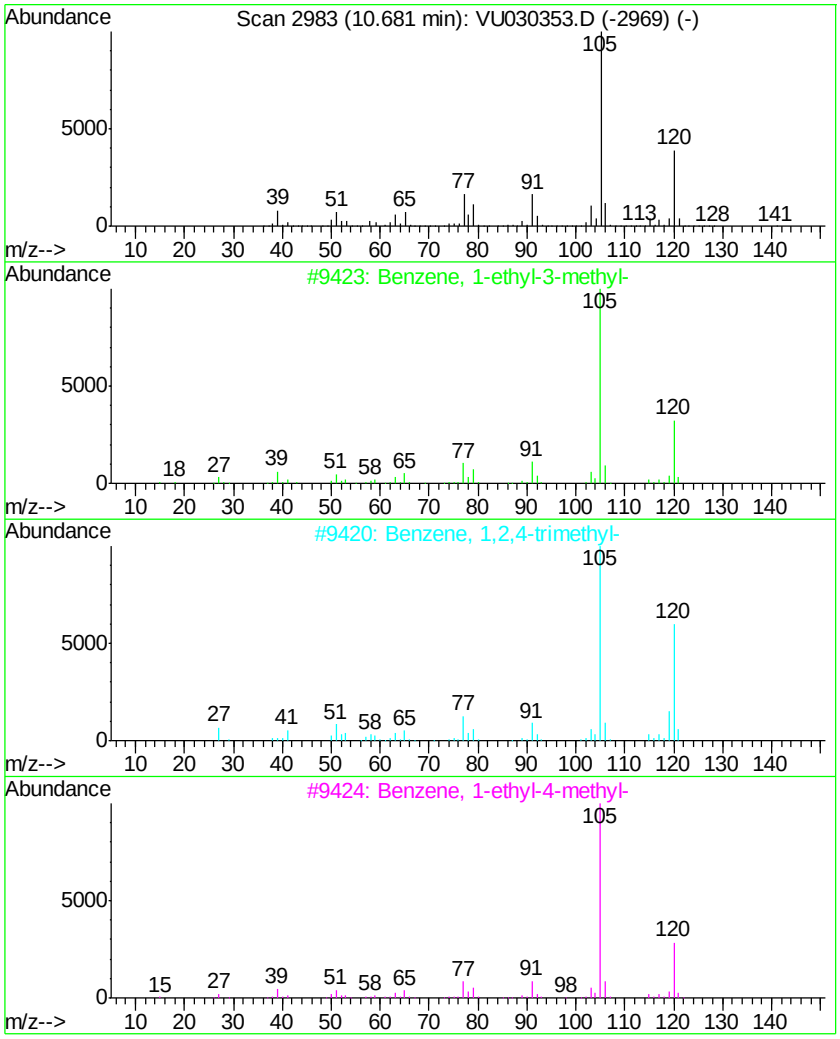
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

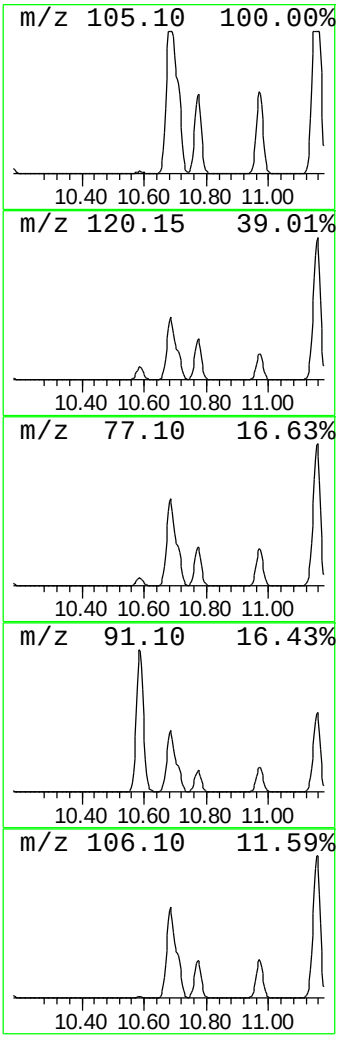
****

Peak Number 39 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	1703.22 ug/L	61855500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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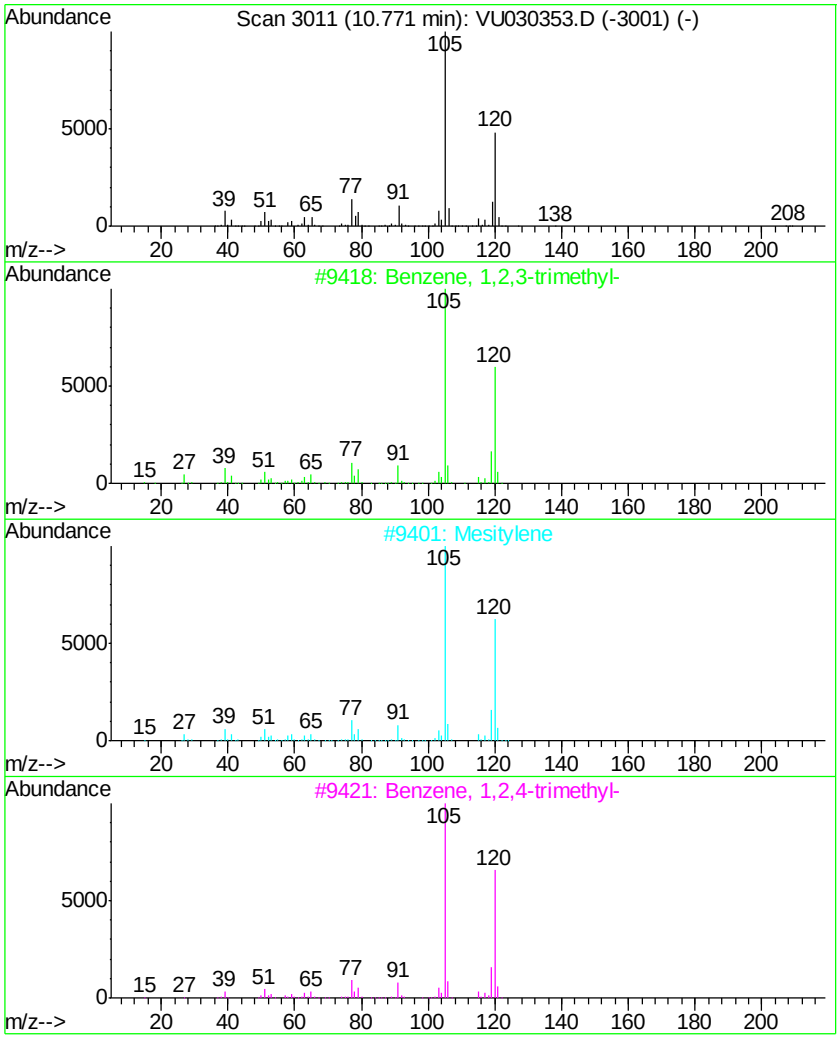
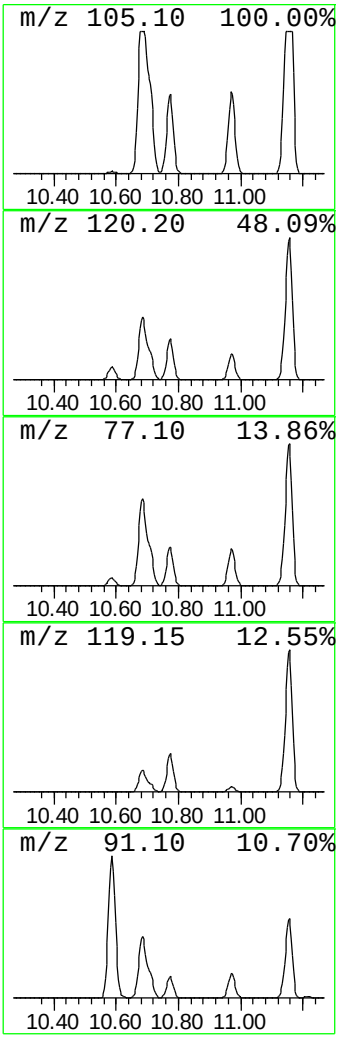
Peak Number 40 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	564.19 ug/L	20489700	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

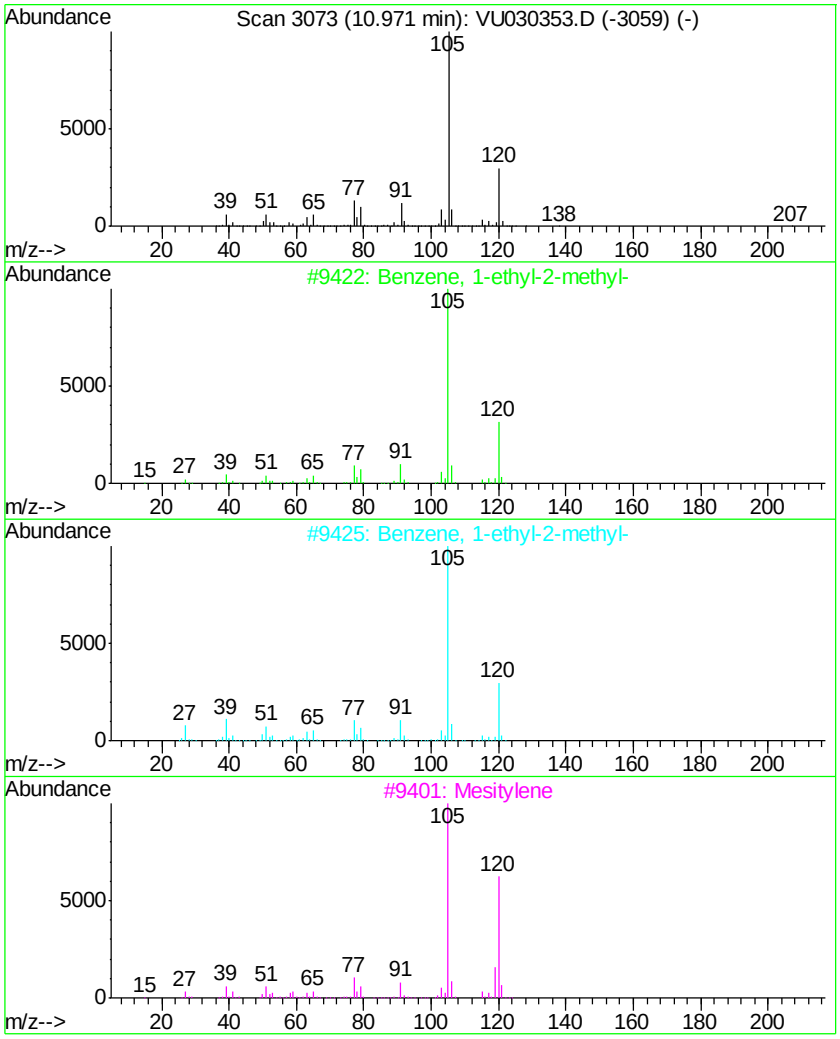
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

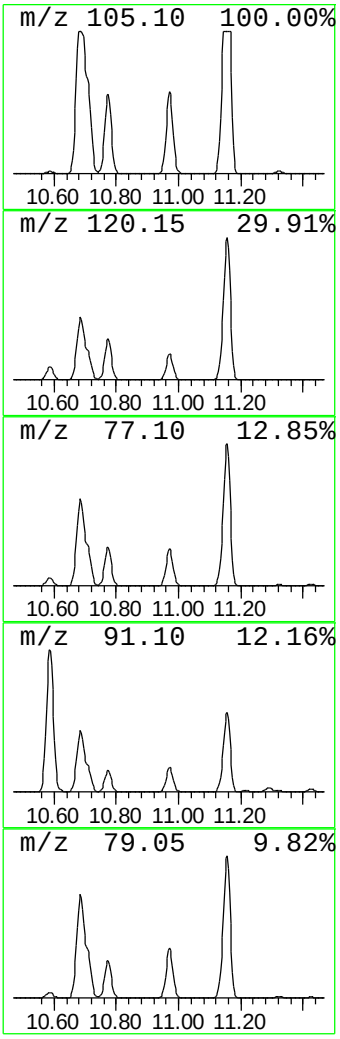
****

Peak Number 41 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	519.16 ug/L	18854100	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	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

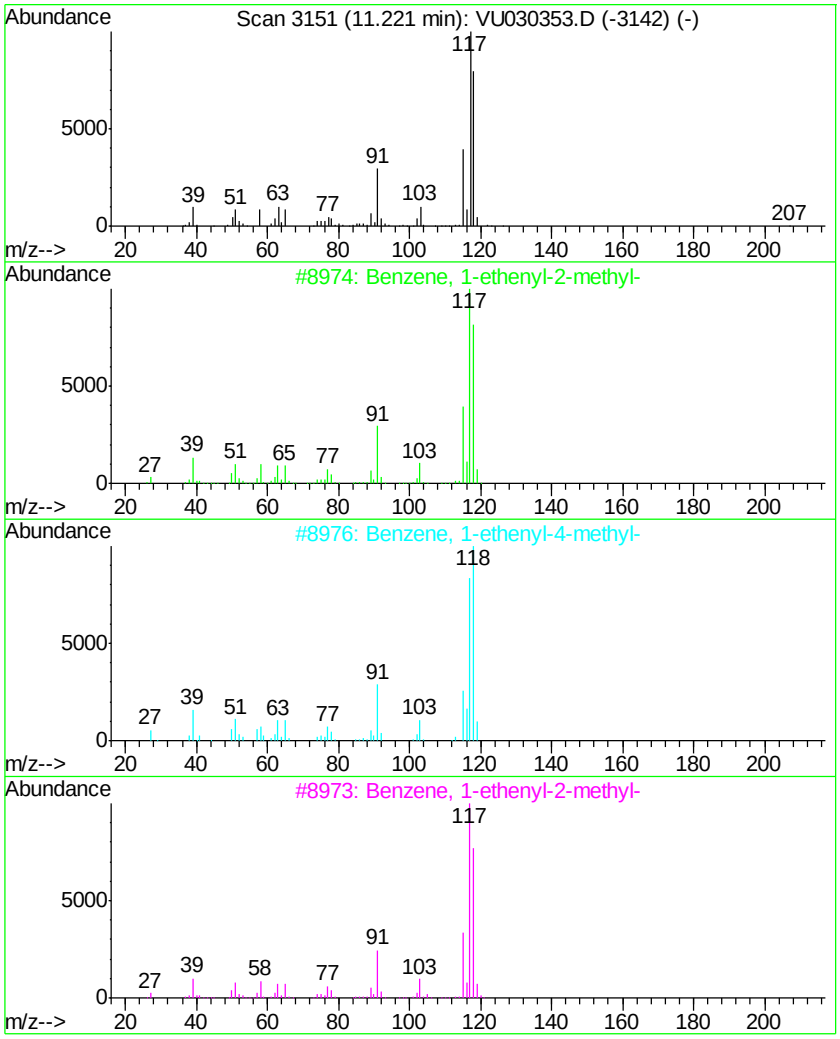
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

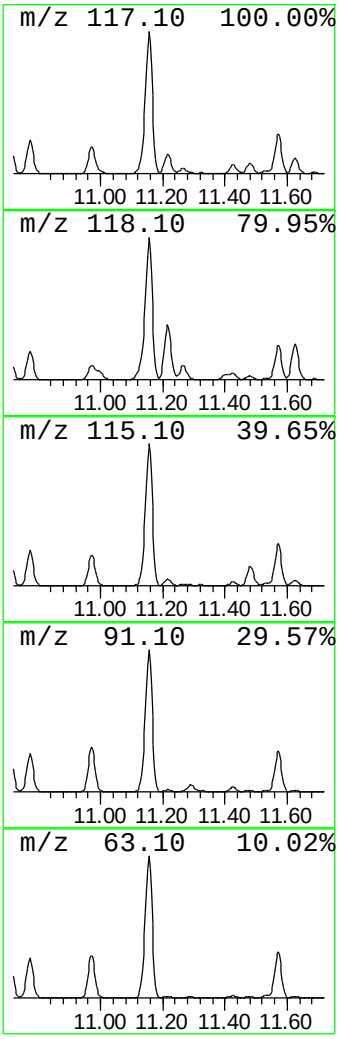
****

Peak Number 43 Benzene, 1-ethenyl-2-methyl- Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	15.57 ug/L	565363	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	90
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	90
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

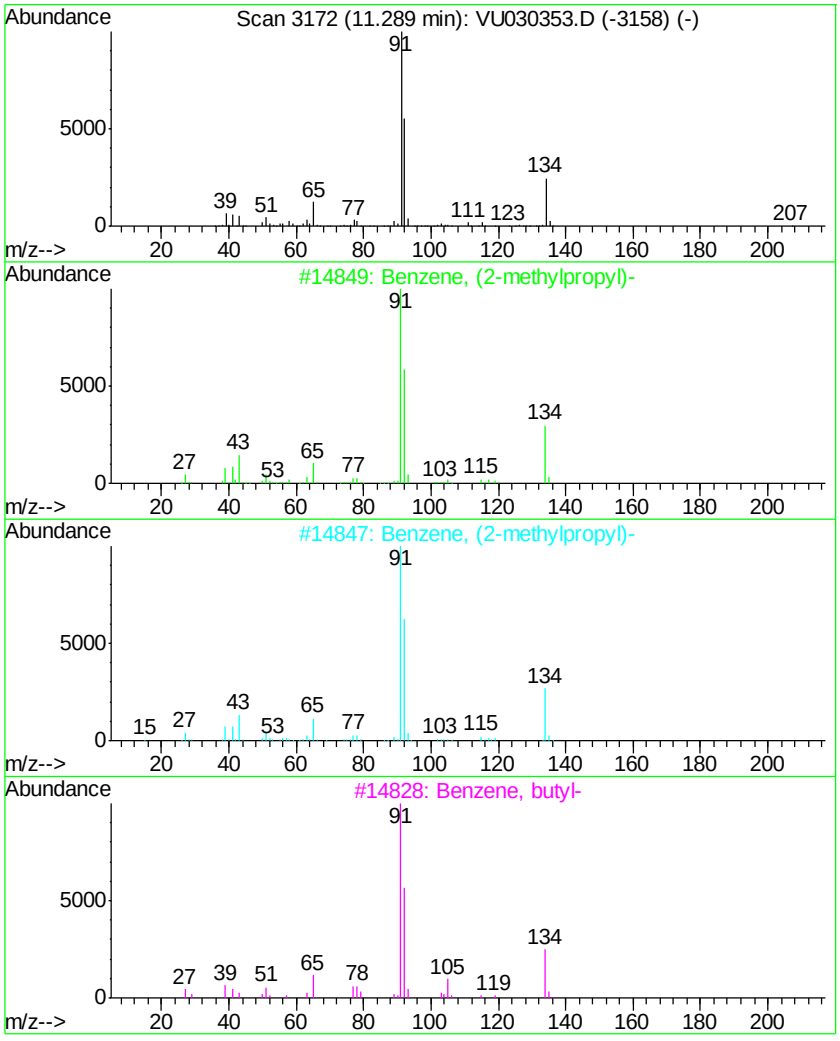
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

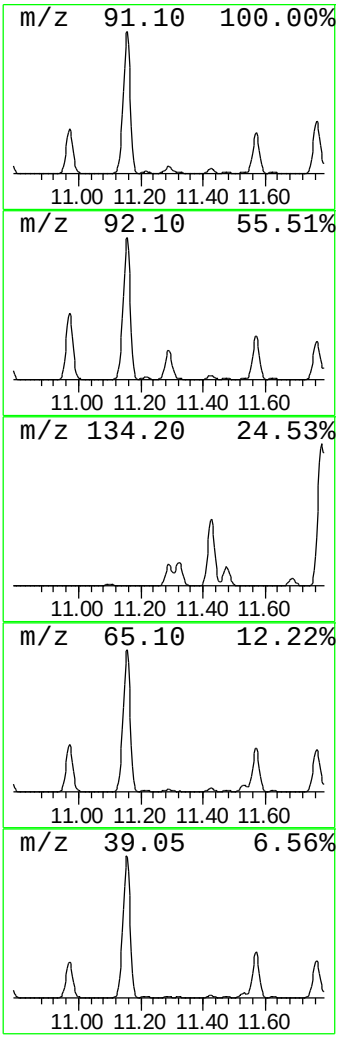
****

Peak Number 44 Benzene, (2-methylpropyl)- Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	15.98 ug/L	580249	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	91
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
3	Benzene, butyl-	134	C10H14	000104-51-8	90
4	Benzene, butyl-	134	C10H14	000104-51-8	86
5	Benzene, butyl-	134	C10H14	000104-51-8	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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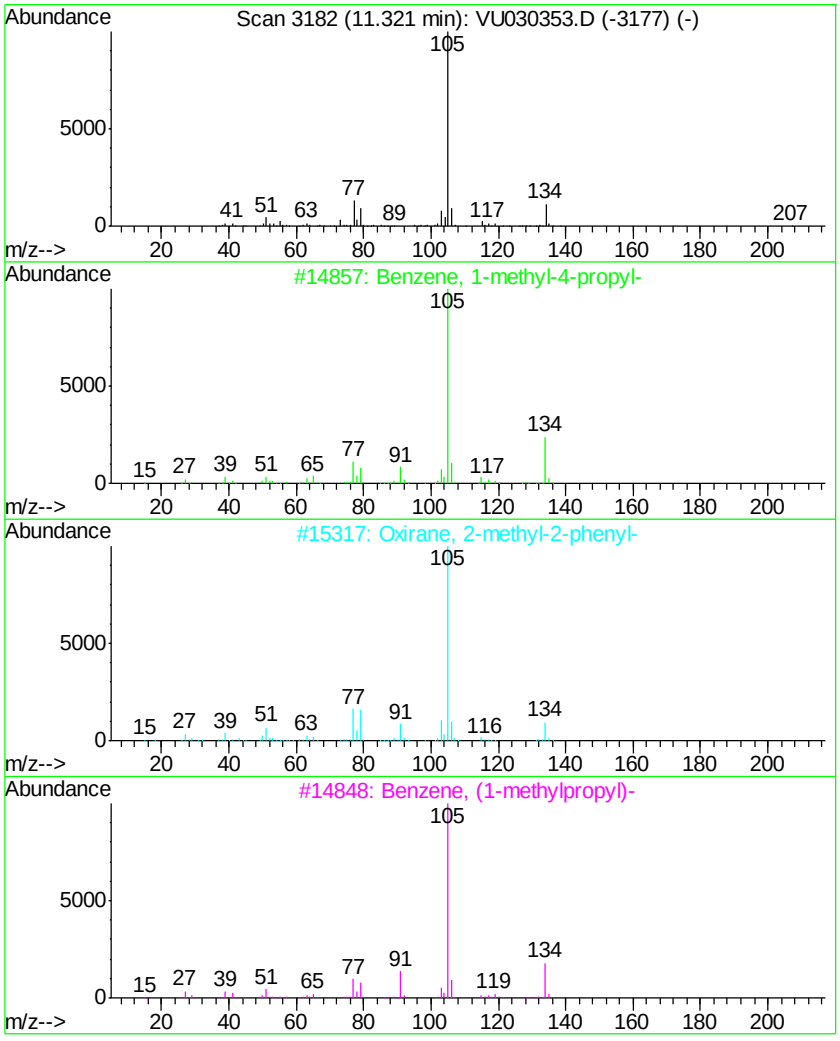
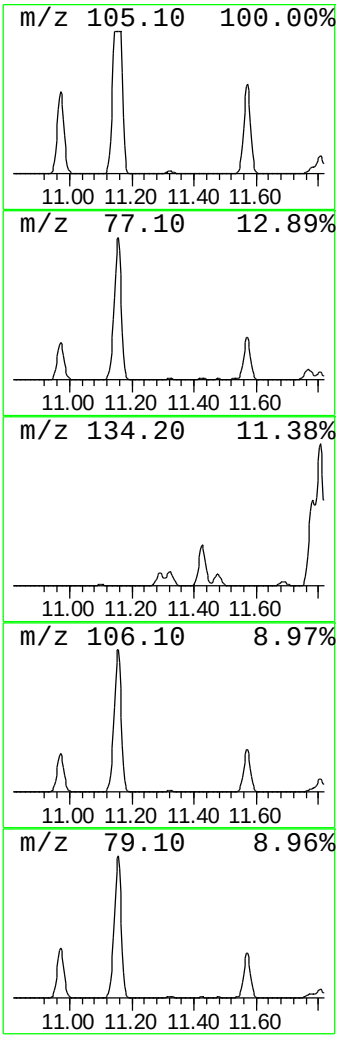
Peak Number 45 Benzene, 1-methyl-4-propyl- Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	14.47 ug/L	525516	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	83
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	78
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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

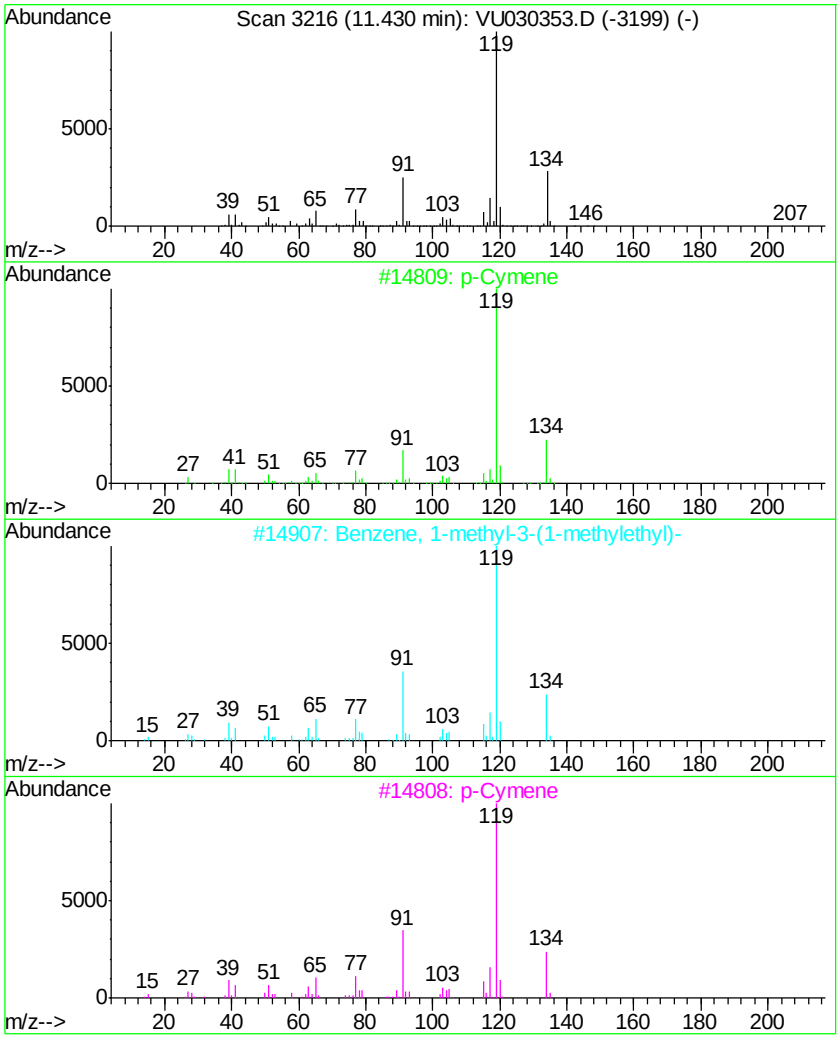
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

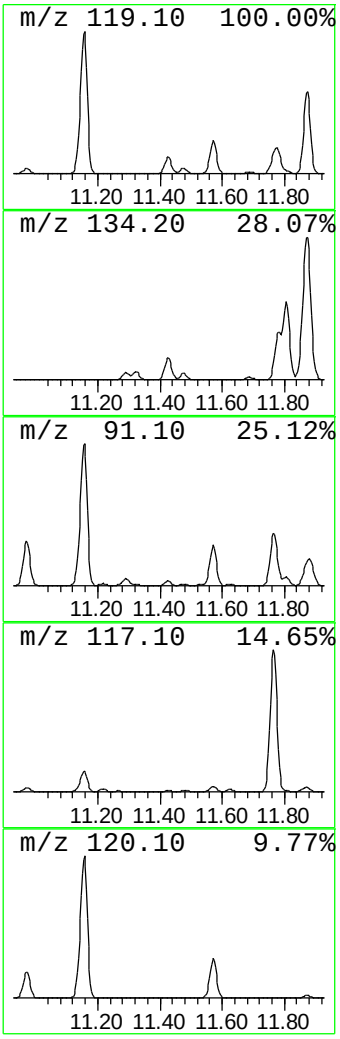
****

Peak Number 46 o-Cymene Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	32.64 ug/L	1185330	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	o-Cymene	134	C10H14	000527-84-4	94





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Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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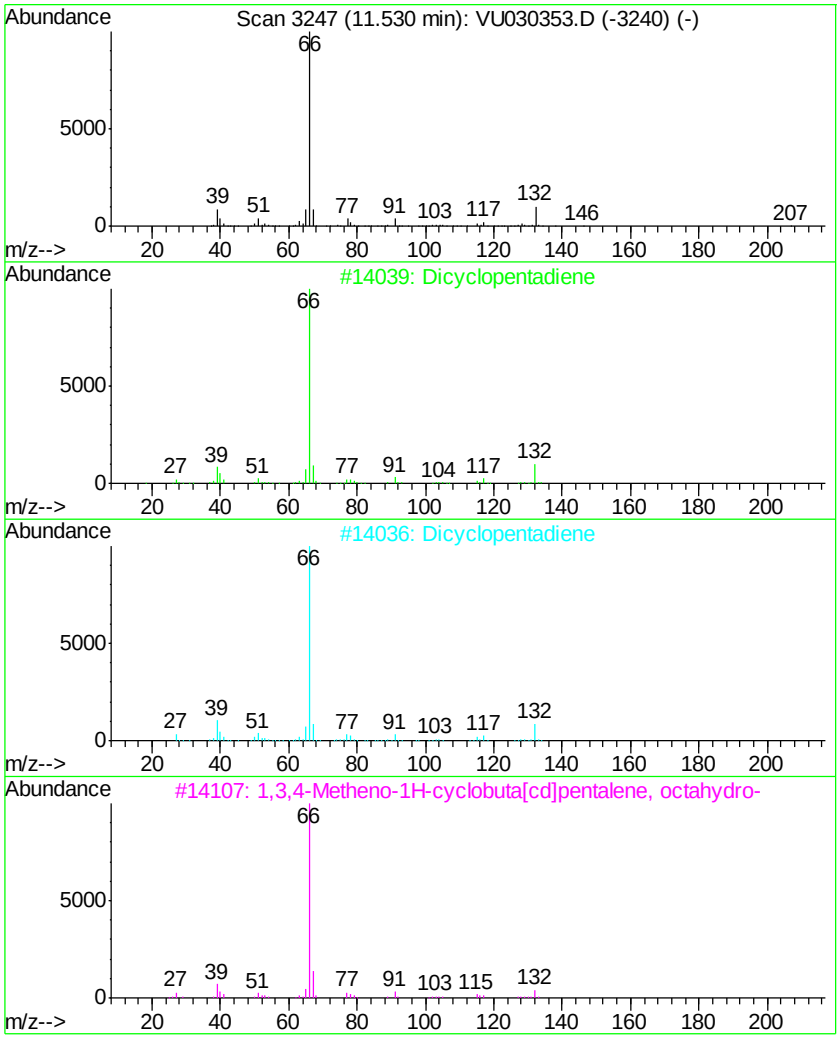
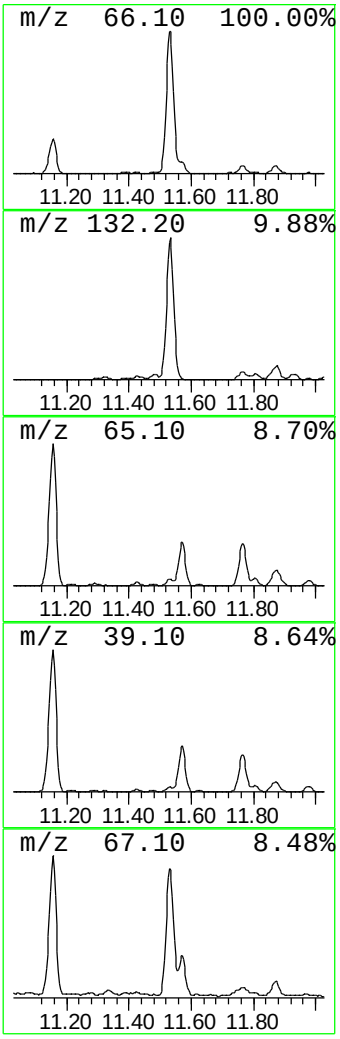
Peak Number 47 Dicyclopentadiene Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	30.28 ug/L	1099640	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dicyclopentadiene	132	C10H12	000077-73-6	91
2	Dicyclopentadiene	132	C10H12	000077-73-6	91
3	1,3,4-Metheno-1H-cyclobuta[cd]pe...	132	C10H12	006707-88-6	90
4	Bicyclo[2.2.1]hept-5-en-2-ol	110	C7H10O	013080-90-5	86
5	Bicyclo[2.2.1]hept-2-ene, 5,6-bi...	190	C9H12Cl2	005992-56-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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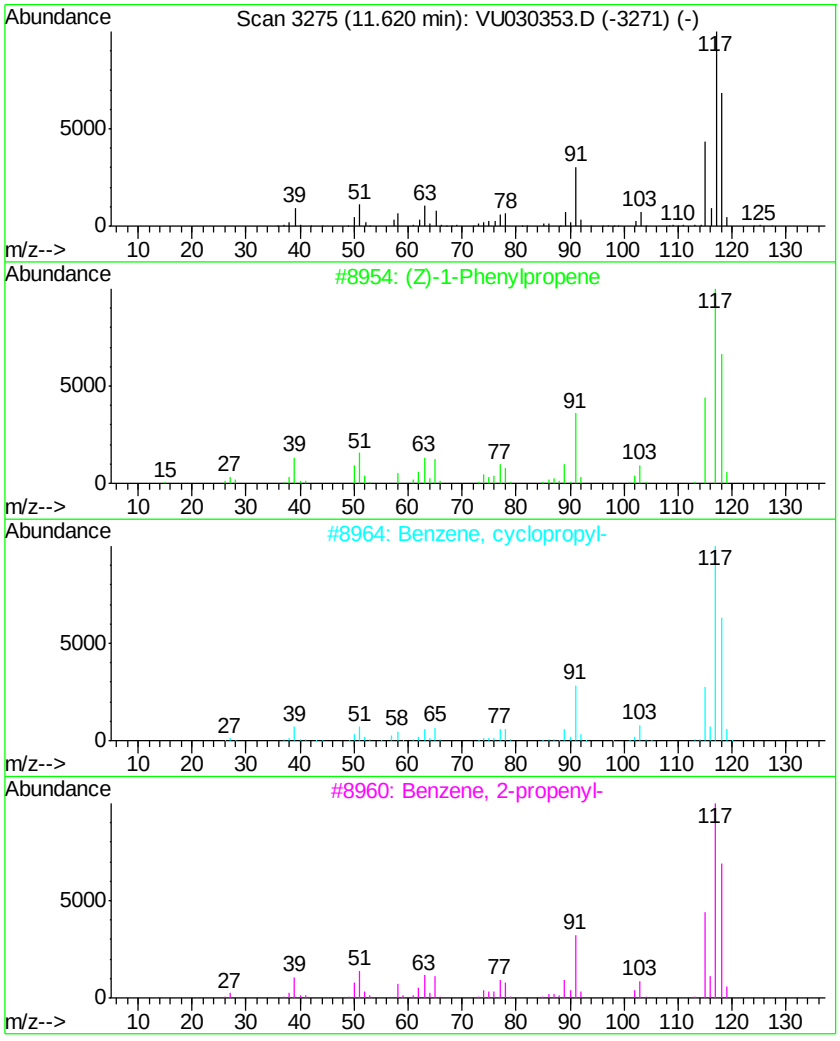
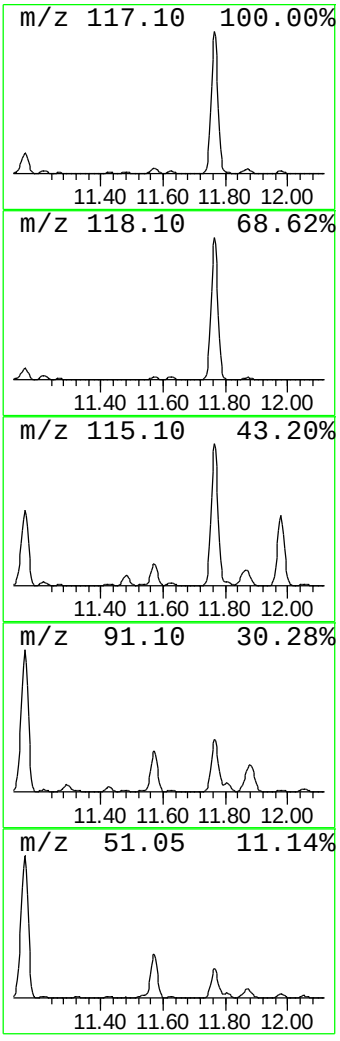
Peak Number 49 (Z)-1-Phenylpropene Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	10.98 ug/L	398762	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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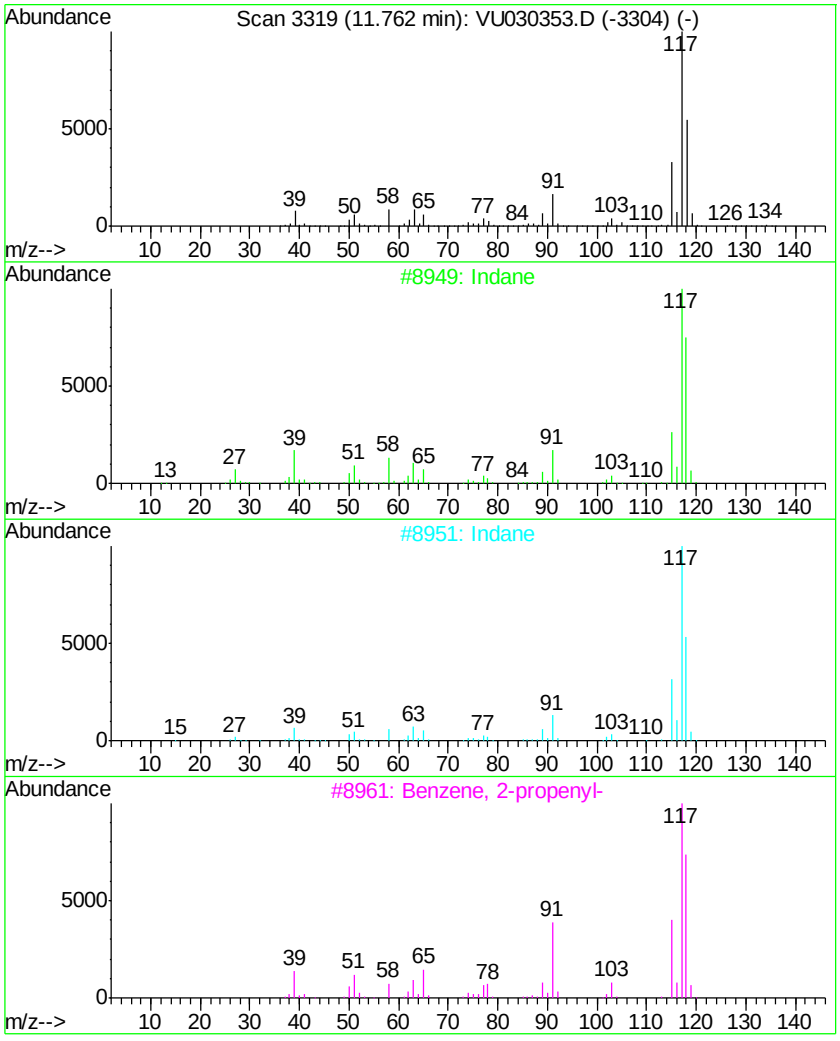
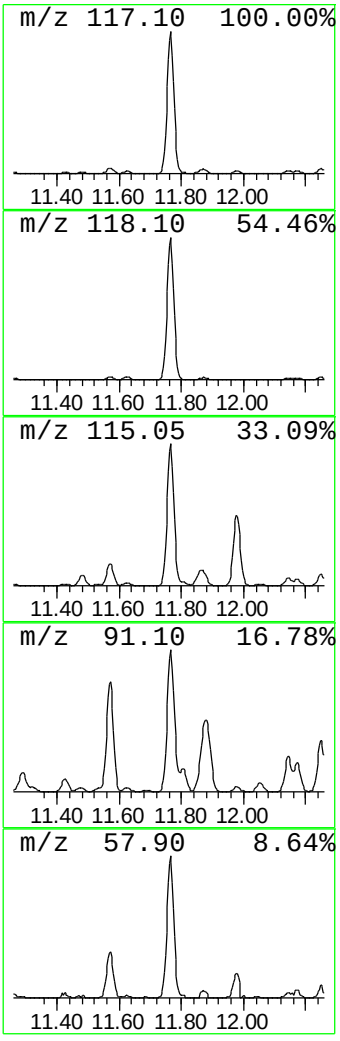
Peak Number 50 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	593.35 ug/L	21548600	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
4	Indane	118	C9H10	000496-11-7	83
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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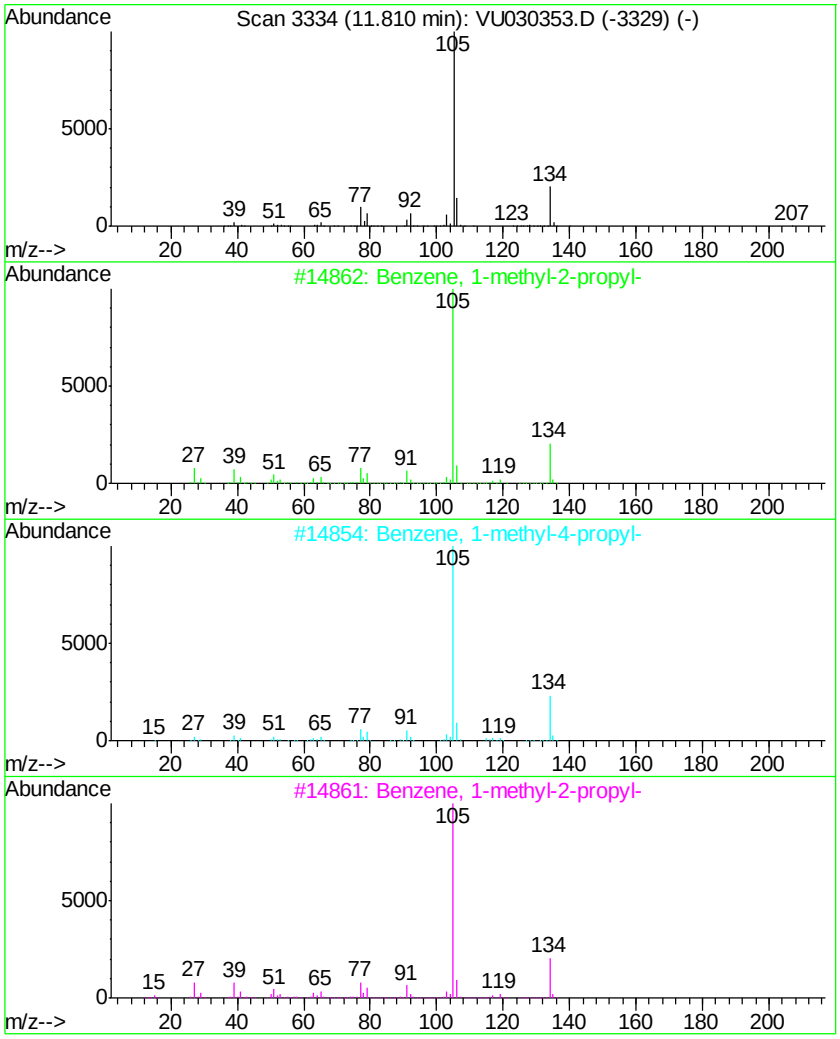
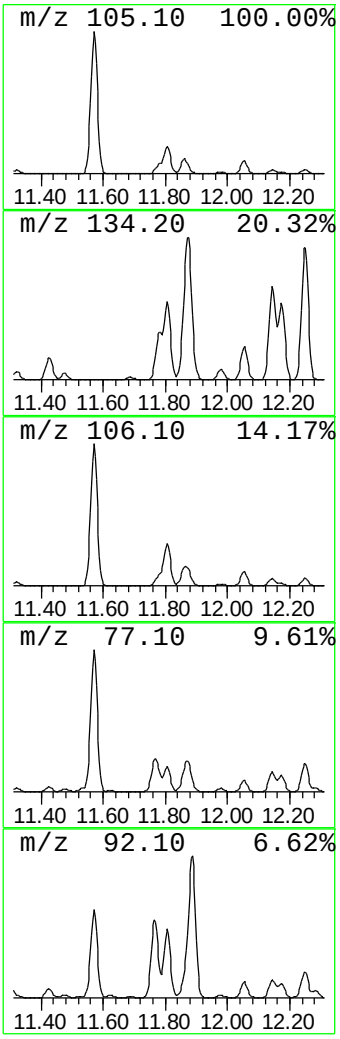
Peak Number 51 Benzene, 1-methyl-2-propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	91.02 ug/L	3305430	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	83





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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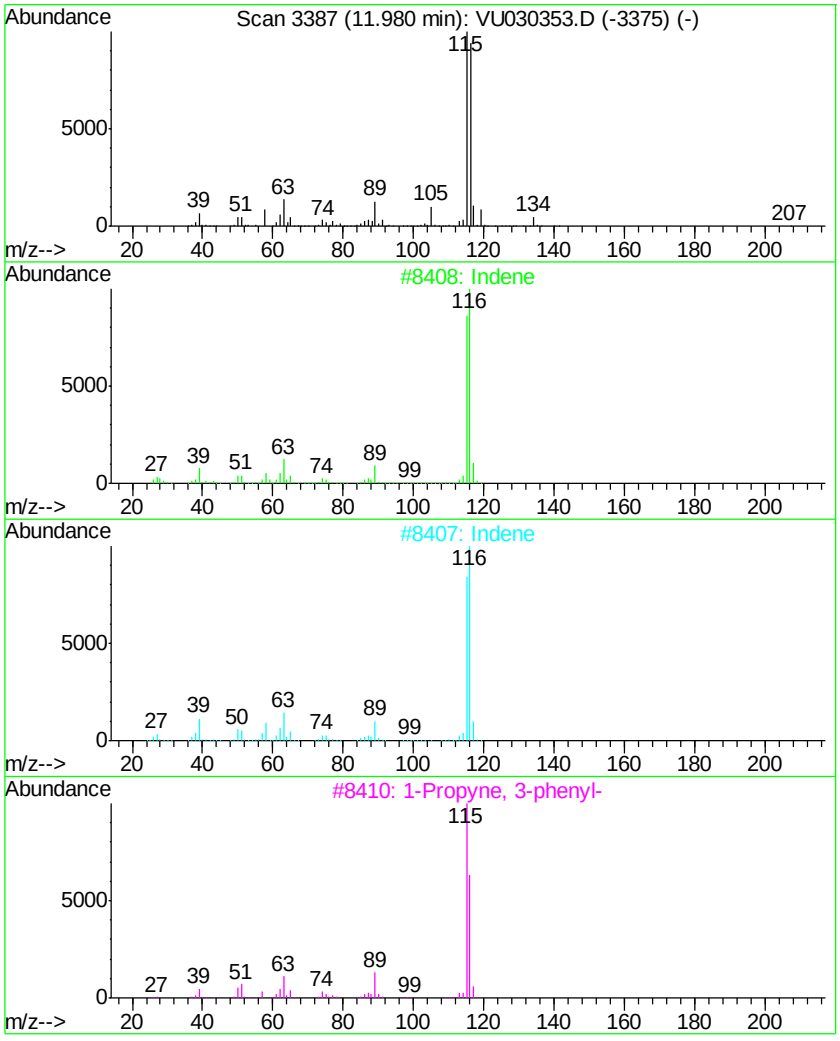
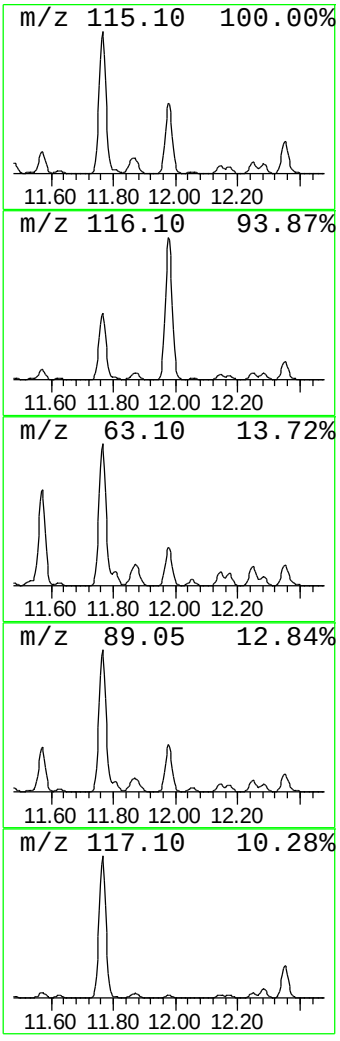
Peak Number 52 Indene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	98.60 ug/L	3580810	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Indene	116	C9H8	000095-13-6	94
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
4	Indene	116	C9H8	000095-13-6	94
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	90





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Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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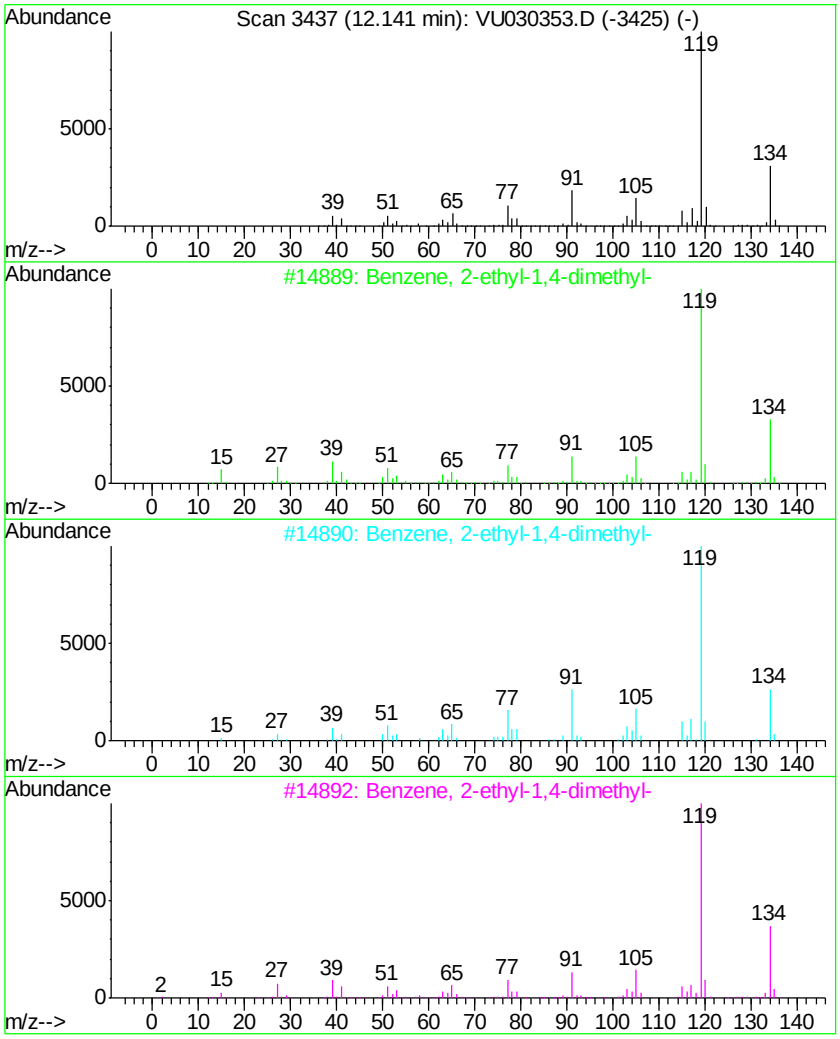
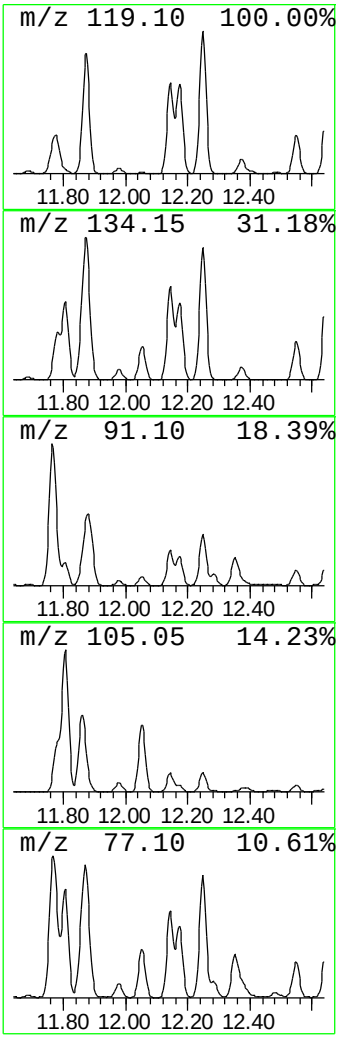
Peak Number 54 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	117.21 ug/L	4256820	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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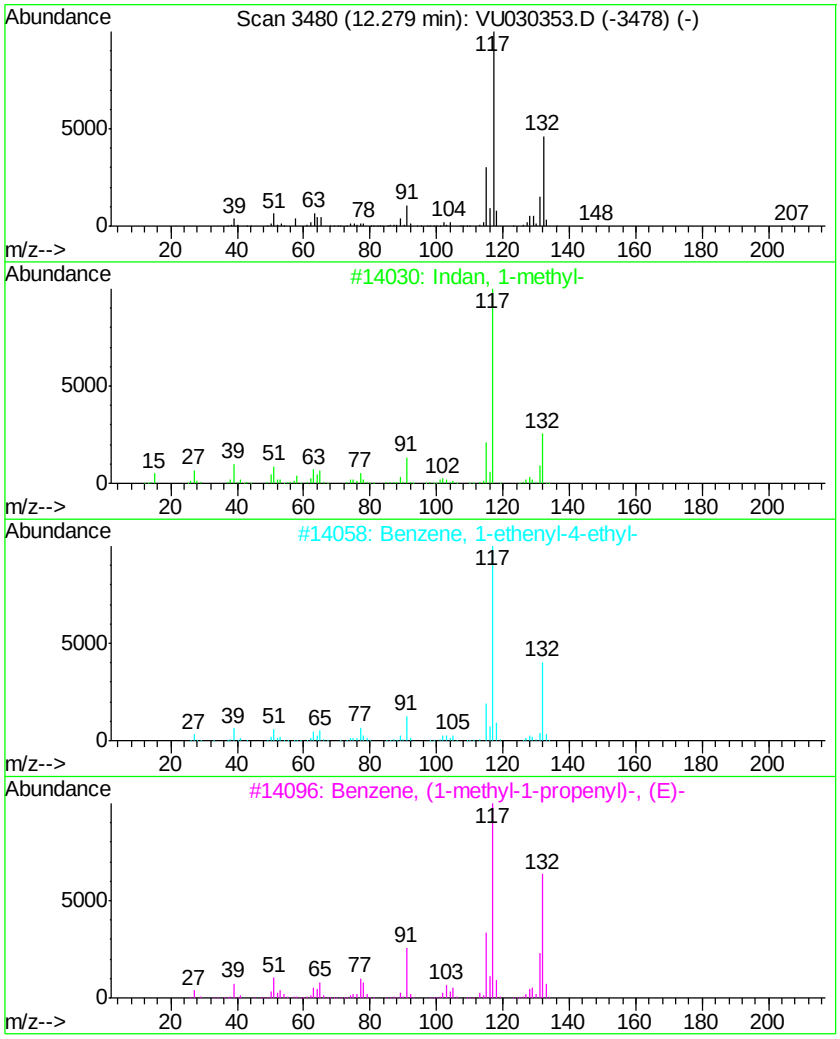
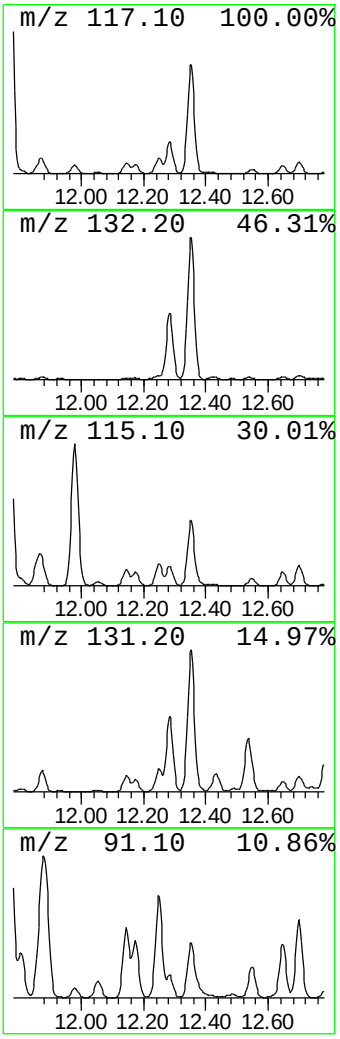
Peak Number 57 Indan, 1-methyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	31.85 ug/L	1156630	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	91
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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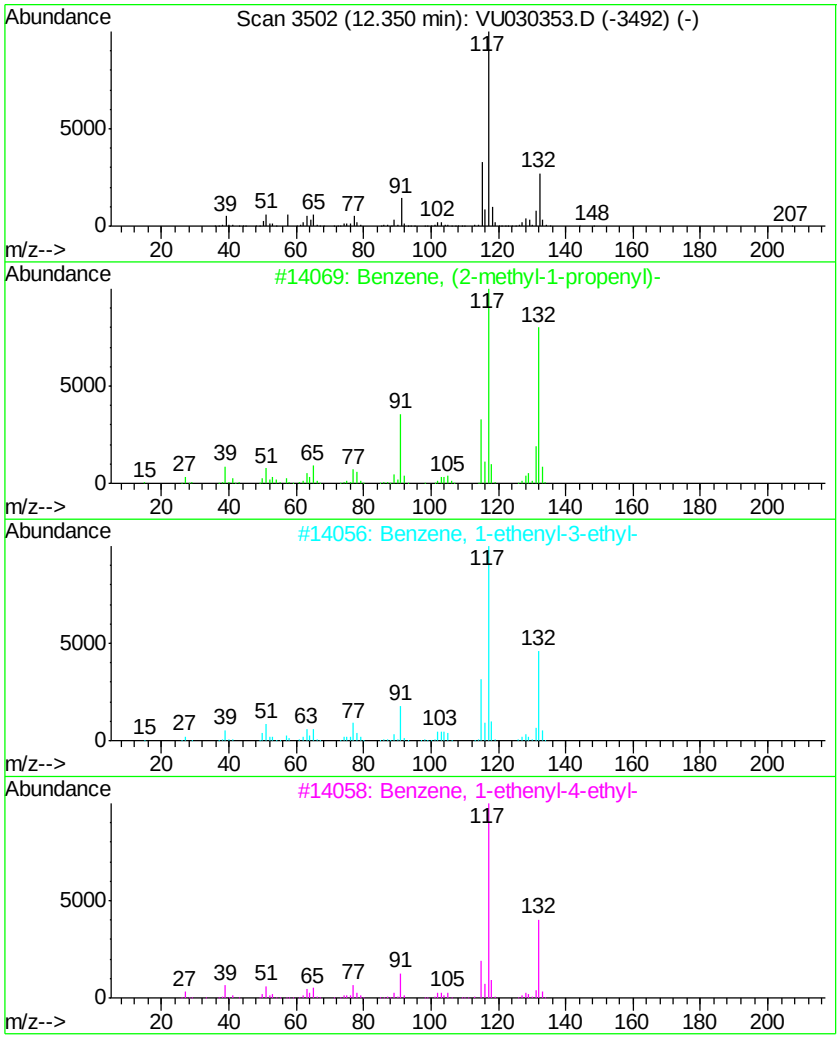
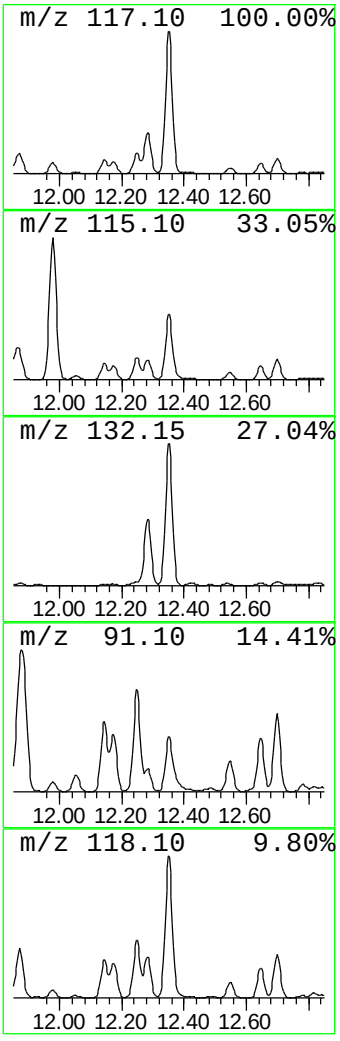
Peak Number 58 Benzene, (2-methyl-1-propen... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	132.15 ug/L	4799090	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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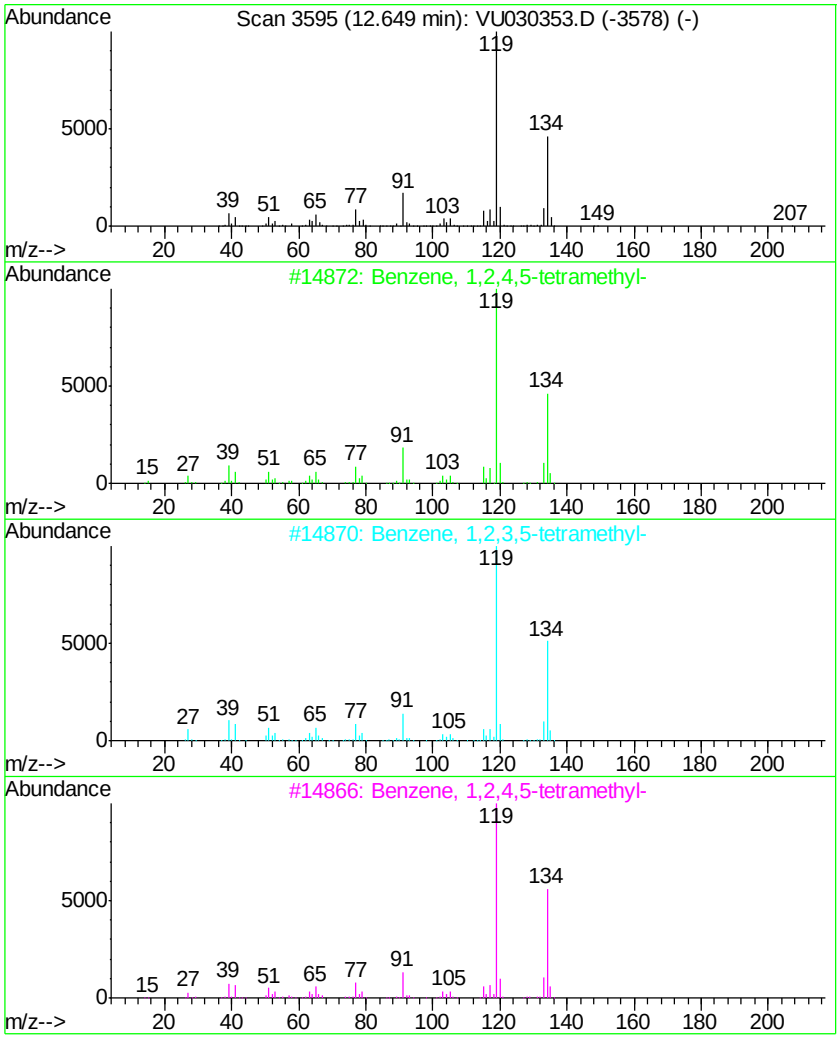
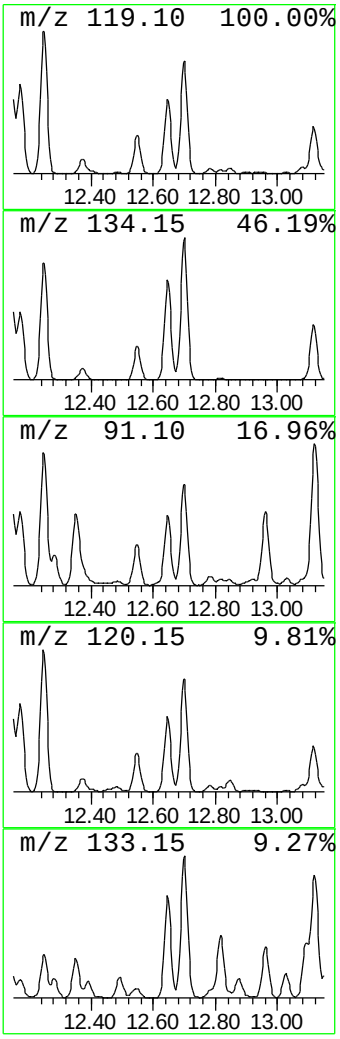
Peak Number 60 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	95.09 ug/L	3453370	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	96
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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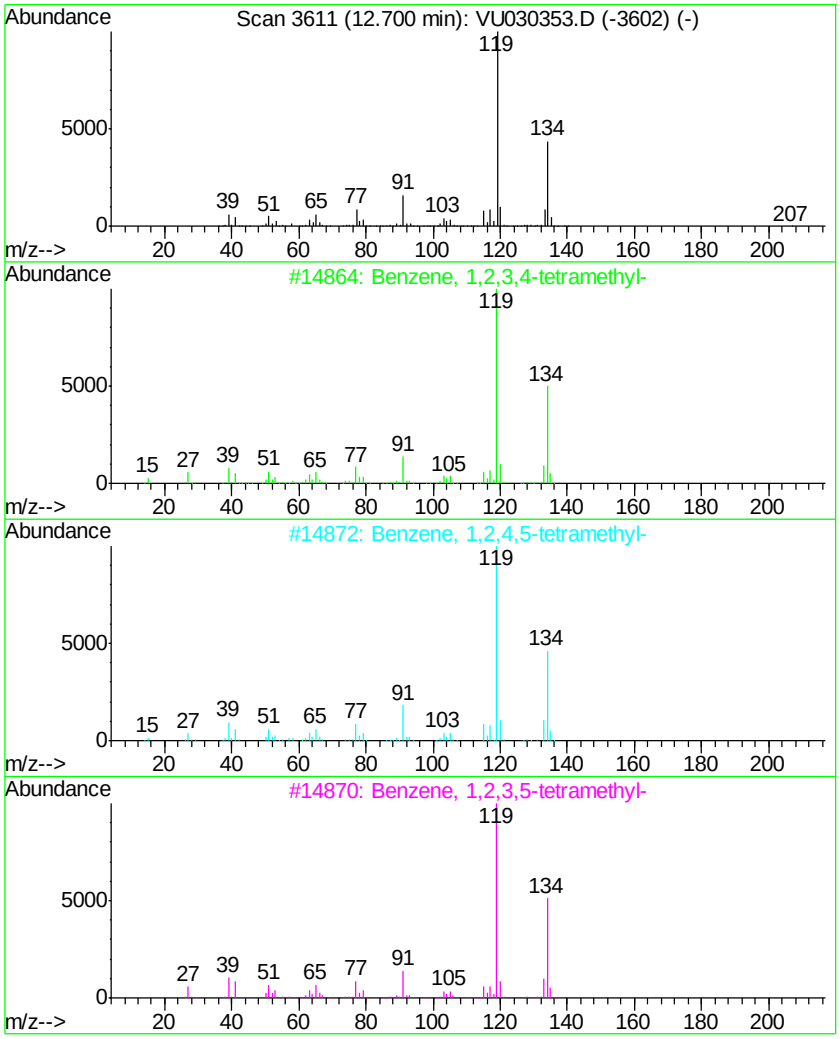
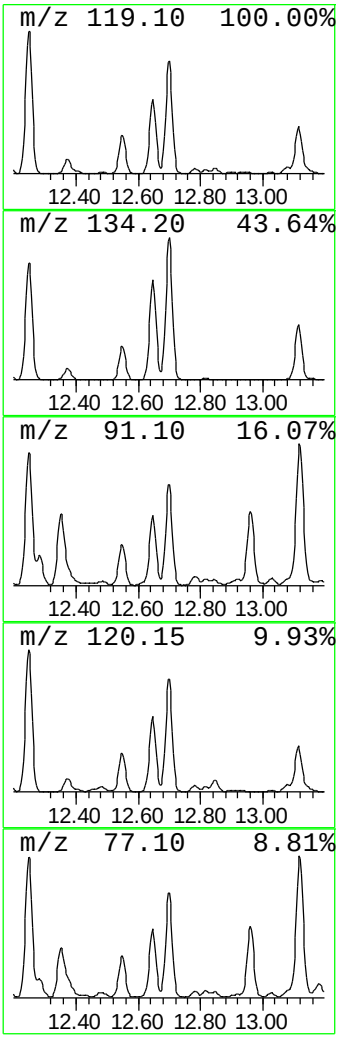
Peak Number 61 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	138.11 ug/L	5015740	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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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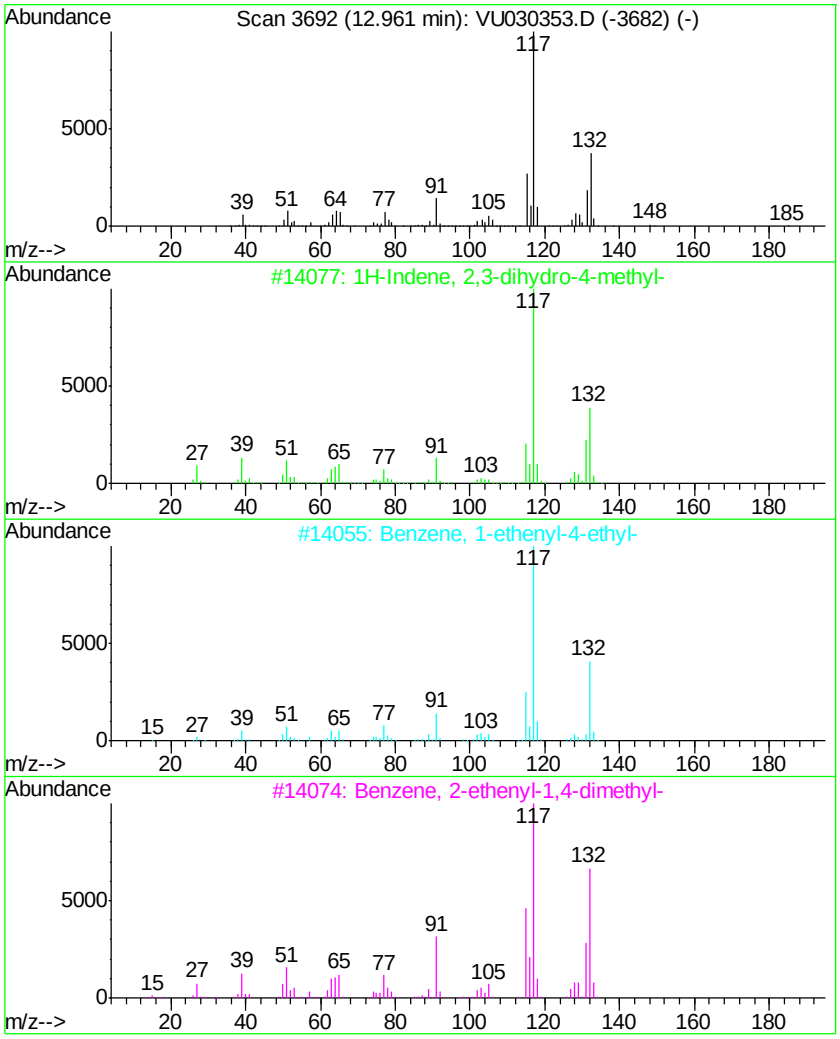
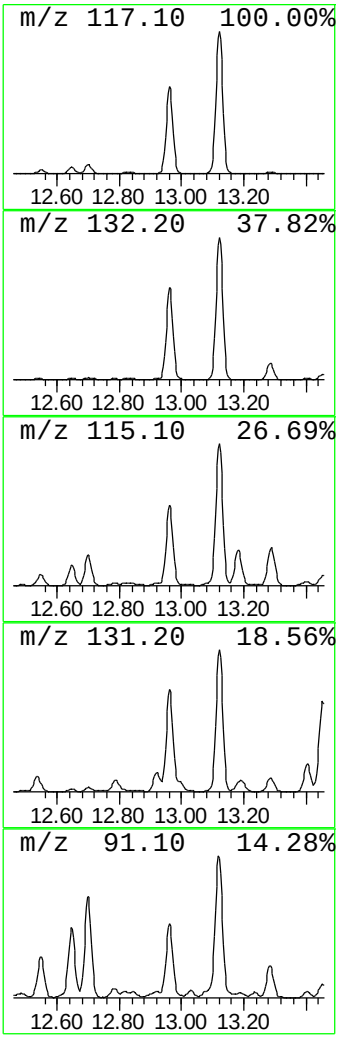
Peak Number 62 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	129.37 ug/L	4698140	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030353.D
Acq On : 23 Mar 2019 20:21
Operator : JC/SP
Sample : K2063-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R5

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...	1.76	489.7	ug/L	9410250	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	1.90	46.2	ug/L	887233	1	5.88	960847	50.0
(DEL) Alkane: Str...	1.95	382.2	ug/L	7344180	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	2.05	139.6	ug/L	2682520	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	2.14	84.4	ug/L	1622070	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	2.18	107.1	ug/L	2057100	1	5.88	960847	50.0
Cyclopentene	2.68	260.6	ug/L	5008270	1	5.88	960847	50.0
(DEL) Alkane: Str...	2.74	273.2	ug/L	5249730	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	2.79	304.3	ug/L	5847840	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	3.20	48.5	ug/L	932683	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	3.30	193.2	ug/L	3712720	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	3.42	43.0	ug/L	826443	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	3.50	80.3	ug/L	1542640	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	3.56	91.1	ug/L	1750110	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	3.66	31.2	ug/L	599448	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	3.74	86.7	ug/L	1666810	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	3.89	49.4	ug/L	949204	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	4.09	599.0	ug/L	11512000	1	5.88	960847	50.0
Cyclopentene, 4-m...	4.78	45.3	ug/L	871273	1	5.88	960847	50.0
(DEL) Alkane: Str...	5.08	75.7	ug/L	1454520	1	5.88	960847	50.0
(DEL) Alkane: Str...	5.22	100.3	ug/L	1926480	1	5.88	960847	50.0
(DEL) Alkane: Str...	5.78	57.7	ug/L	1108140	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	5.95	92.4	ug/L	1776240	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	6.22	29.2	ug/L	561947	1	5.88	960847	50.0
(DEL) Alkane: Cyc...	6.64	40.5	ug/L	777637	1	5.88	960847	50.0
Cyclohexene, 1-me...	6.82	22.5	ug/L	433024	1	5.88	960847	50.0
(DEL) Alkane: Str...	6.93	20.1	ug/L	387010	1	5.88	960847	50.0
Cyclopentene, 1,5...	7.06	81.2	ug/L	1559470	1	5.88	960847	50.0
2-Pentanol, 2-met...	7.37	57.8	ug/L	1110150	1	5.88	960847	50.0
Thiophene, 2-methyl-	7.77	26.2	ug/L	591924	2	9.09	1129260	50.0
Thiophene, 3-methyl-	7.94	48.2	ug/L	1087620	2	9.09	1129260	50.0
1,4-Hexadiene, 2,...	8.09	15.0	ug/L	338533	2	9.09	1129260	50.0
Cyclopentanol, 1-...	8.49	28.3	ug/L	639914	2	9.09	1129260	50.0
2-Hexanol, 2-methyl-	9.03	35.3	ug/L	796753	2	9.09	1129260	50.0
3-Hexanol, 3-methyl-	9.18	28.7	ug/L	648420	2	9.09	1129260	50.0
Benzene, propyl-	10.58	288.2	ug/L	10466500	3	11.48	1815840	50.0
Benzene, 1-ethyl-...	10.68	1703.2	ug/L	61855500	3	11.48	1815840	50.0
Benzene, 1,2,3-tr...	10.77	564.2	ug/L	20489700	3	11.48	1815840	50.0
Benzene, 1-ethyl-...	10.97	519.2	ug/L	18854100	3	11.48	1815840	50.0
Benzene, 1-etheny...	11.22	15.6	ug/L	565363	3	11.48	1815840	50.0
Benzene, (2-methy...	11.29	16.0	ug/L	580249	3	11.48	1815840	50.0
Benzene, 1-methyl...	11.32	14.5	ug/L	525516	3	11.48	1815840	50.0
o-Cymene	11.43	32.6	ug/L	1185330	3	11.48	1815840	50.0
Dicyclopentadiene	11.53	30.3	ug/L	1099640	3	11.48	1815840	50.0
(Z)-1-Phenylpropene	11.62	11.0	ug/L	398762	3	11.48	1815840	50.0
Indane	11.76	593.4	ug/L	21548600	3	11.48	1815840	50.0
Benzene, 1-methyl...	11.81	91.0	ug/L	3305430	3	11.48	1815840	50.0
Indene	11.98	98.6	ug/L	3580810	3	11.48	1815840	50.0
Benzene, 2-ethyl-...	12.14	117.2	ug/L	4256820	3	11.48	1815840	50.0

Indan, 1-methyl-	12.28	31.9	ug/L	1156630	3	11.48	1815840	50.0
Benzene, (2-methy...	12.35	132.2	ug/L	4799090	3	11.48	1815840	50.0
Benzene, 1,2,4,5-...	12.65	95.1	ug/L	3453370	3	11.48	1815840	50.0
Benzene, 1,2,3,4-...	12.70	138.1	ug/L	5015740	3	11.48	1815840	50.0
1H-Indene, 2,3-di...	12.96	129.4	ug/L	4698140	3	11.48	1815840	50.0

Instrument :
MSVOA_U
ClientSampleId :
DB6R5