LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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	83	97	106	rBV2	1194883	1279959	0.43%	0.099%
2	1.675	173	182	195	rVB2	304896	423141	0.14%	0.033%
3	1.756	196	207	227	rBV	7608172	10127242	3.43%	0.786%
4	1.900	243	252	258	rBV	757696	985867	0.33%	0.077%
5	1.945	258	266	288	rVB	5851687	7981154	2.71%	0.620%
6	2.048	288	298	311	rBV	2156940	2907330	0.99%	0.226%
7	2.135	314	325	333	rBV	1198564	1736323	0.59%	0.135%
8	2.183	333	340	356	rVB	1332618	1959879	0.66%	0.152%
9	2.270	357	367	373	rBV	402075	678722	0.23%	0.053%
10	2.682	468	495	505	rBV2	2146559	5425163	1.84%	0.421%
11	2.743	506	514	521	rVV	2892434	5674197	1.92%	0.441%
12	2.791	522	529	560	rVB2	2860114	6219832	2.11%	0.483%
13	2.997	572	593	610	rBV2	2536459	5443094	1.84%	0.423%
14	3.199	640	656	673	rVB3	396101	927987	0.31%	0.072%
15	3.302	673	688	707	rBV	1922328	4037821	1.37%	0.313%
16	3.424	712	726	736	rBV	415155	890932	0.30%	0.069%
17	3.498	736	749	758	rVV	776943	1687208	0.57%	0.131%
18	3.559	759	768	785	rVB3	705178	1721649	0.58%	0.134%
19	3.656	786	798	809	rBV2	252399	560536	0.19%	0.044%
20	3.743	809	825	838	rBV4	595961	1816657	0.62%	0.141%
21	3.890	859	871	887	rVB2	342760	864076	0.29%	0.067%
22	4.093	915	934	951	rVV	4627250	12370095	4.19%	0.960%
23	4.177	951	960	982	rVB3	304878	865023	0.29%	0.067%
24	4.646	1092	1106	1120	rBV	275580	664340	0.23%	0.052%
25	4.778	1138	1147	1164	rVB3	338973	777411	0.26%	0.060%
26	4.993	1196	1214	1229	rBV2	3820871	9396190	3.18%	0.729%
27	5.077	1232	1240	1268	rVB2	533285	1558898	0.53%	0.121%
28	5.218	1268	1284	1304	rBV3	738144	2121514	0.72%	0.165%
29	5.398	1304	1340	1359	rBV2	45611216	109557611	37.14%	8.506%
30	5.781	1446	1459	1468	rBV2	591059	1173610	0.40%	0.091%
31	5.884	1482	1491	1500	rBV	492648	837969	0.28%	0.065%
32	5.945	1500	1510	1522	rBV4	430300	976467	0.33%	0.076%
33	6.215	1585	1594	1615	rVB4	269686	551258	0.19%	0.043%
34	6.328	1617	1629	1638	rBV	390952	754737	0.26%	0.059%

LSC Area Percent Report

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Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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	3170208	7153233	2.42%	0.555%
36	6.640	1715	1726	1740	rVB	451597	852194	0.29%	0.066%
37	6.823	1768	1783	1785	rBV3	315572	526948	0.18%	0.041%
38	6.923	1801	1814	1832	rVB8	130505	402799	0.14%	0.031%
39	7.064	1833	1858	1868	rBV2	765136	1729379	0.59%	0.134%
40	7.225	1900	1908	1922	rVV	238891	439601	0.15%	0.034%
41	7.373	1939	1954	1964	rBV	613452	1301092	0.44%	0.101%
42	7.431	1964	1972	1994	rVB3	465057	977330	0.33%	0.076%
43	7.569	1994	2015	2023	rBV4	737074	1898961	0.64%	0.147%
44	7.675	2023	2048	2072	rVV4	94194714	295018825	100.00%	22.904%
45	7.775	2074	2079	2089	rVB	414282	634084	0.21%	0.049%
46	7.939	2115	2130	2147	rVB3	498190	1180042	0.40%	0.092%
47	8.093	2171	2178	2189	rVB	220370	365406	0.12%	0.028%
48	8.308	2234	2245	2256	rBV	1204828	2064839	0.70%	0.160%
49	8.495	2288	2303	2312	rBV5	346042	674715	0.23%	0.052%
50	8.585	2322	2331	2343	rVV	1161071	2041706	0.69%	0.159%
51	9.029	2454	2469	2479	rBV	432724	900520	0.31%	0.070%
52	9.090	2479	2488	2497	rBV	756120	1174200	0.40%	0.091%
53	9.183	2508	2517	2525	rBV2	479369	748928	0.25%	0.058%
54	9.257	2525	2540	2562	rVV2	41594538	72708032	24.65%	5.645%
55	9.398	2563	2584	2610	rVB4	94863196	212912169	72.17%	16.529%
56	9.791	2690	2706	2733	rVB4	62181499	113650146	38.52%	8.823%
57	10.164	2812	2822	2841	rVB	2427991	3794664	1.29%	0.295%
58	10.430	2893	2905	2917	rVB2	645061	1235571	0.42%	0.096%
59	10.585	2943	2953	2968	rVV	7120575	11111341	3.77%	0.863%
60	10.684	2969	2984	3001	rVV2	29460462	65235165	22.11%	5.065%
61	10.774	3001	3012	3036	rVB	14273137	21672480	7.35%	1.683%
62	10.971	3059	3073	3097	rBV	12803199	19889909	6.74%	1.544%
63	11.157	3114	3131	3142	rVV2	49922066	80229235	27.19%	6.229%
64	11.215	3142	3149	3158	rVV	369450	573410	0.19%	0.045%
65	11.289	3158	3172	3177	rVV2	269540	589377	0.20%	0.046%
66	11.321	3177	3182	3196	rVB	356335	556209	0.19%	0.043%
67	11.424	3200	3214	3223	rBV	779732	1249295	0.42%	0.097%
68	11.482	3223	3232	3240	rVV2	1114713	1821200	0.62%	0.141%
69	11.533	3240	3248	3250	rVV	868694	1157053	0.39%	0.090%
70	11.572	3250	3260	3271	rVV	15200878	23492179	7.96%	1.824%
71	11.623	3271	3276	3290	rVV2	272145	425864	0.14%	0.033%

LSC Area Percent Report

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Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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	13403660	22564874	7.65%	1.752%
73	11.807	3329	3333	3341	rVV	2624503	3505163	1.19%	0.272%
74	11.871	3341	3353	3369	rVB4	4655273	9451264	3.20%	0.734%
75	11.977	3375	3386	3399	rVB	2461271	3737494	1.27%	0.290%
76	12.051	3399	3409	3424	rVB	1137704	1766086	0.60%	0.137%
77	12.144	3425	3438	3443	rBV	2732688	4441417	1.51%	0.345%
78	12.173	3443	3447	3458	rVB	2436499	3284274	1.11%	0.255%
79	12.247	3458	3470	3478	rBV	4204099	6478786	2.20%	0.503%
80	12.282	3478	3481	3492	rVB	983704	1206212	0.41%	0.094%
81	12.353	3492	3503	3524	rBV2	2756124	5021465	1.70%	0.390%
82	12.549	3552	3564	3578	rVB	1218401	1914906	0.65%	0.149%
83	12.646	3578	3594	3602	rBV	2418629	3641711	1.23%	0.283%
84	12.700	3602	3611	3625	rVB	3510331	5288404	1.79%	0.411%
85	12.961	3682	3692	3706	rVB	3316590	4926211	1.67%	0.382%
86	13.118	3720	3741	3753	rBV2	6049954	10134137	3.44%	0.787%
87	13.183	3753	3761	3770	rVB3	652239	1049630	0.36%	0.081%
88	13.286	3783	3793	3814	rVB2	1117506	1843417	0.62%	0.143%
89	13.401	3816	3829	3837	rBV4	267312	479566	0.16%	0.037%
90	13.453	3837	3845	3853	rBV	495440	732555	0.25%	0.057%
91	13.507	3853	3862	3869	rBV3	620606	998522	0.34%	0.078%
92	13.607	3888	3893	3900	rVB	296237	368130	0.12%	0.029%
93	13.742	3921	3935	3959	rVV	15917364	25236310	8.55%	1.959%
94	13.858	3960	3971	3985	rVB	684140	1121744	0.38%	0.087%
95	13.951	3990	4000	4010	rVV4	218911	405125	0.14%	0.031%
96	14.151	4051	4062	4076	rBV	417414	675062	0.23%	0.052%
97	14.331	4108	4118	4130	rVV	336294	703213	0.24%	0.055%
98	14.533	4173	4181	4193	rVB2	234813	394273	0.13%	0.031%
99	14.871	4275	4286	4313	rVV	3852074	6264643	2.12%	0.486%
100	15.057	4333	4344	4359	rVV	1905981	3102205	1.05%	0.241%

Sum of corrected areas: 1288078792

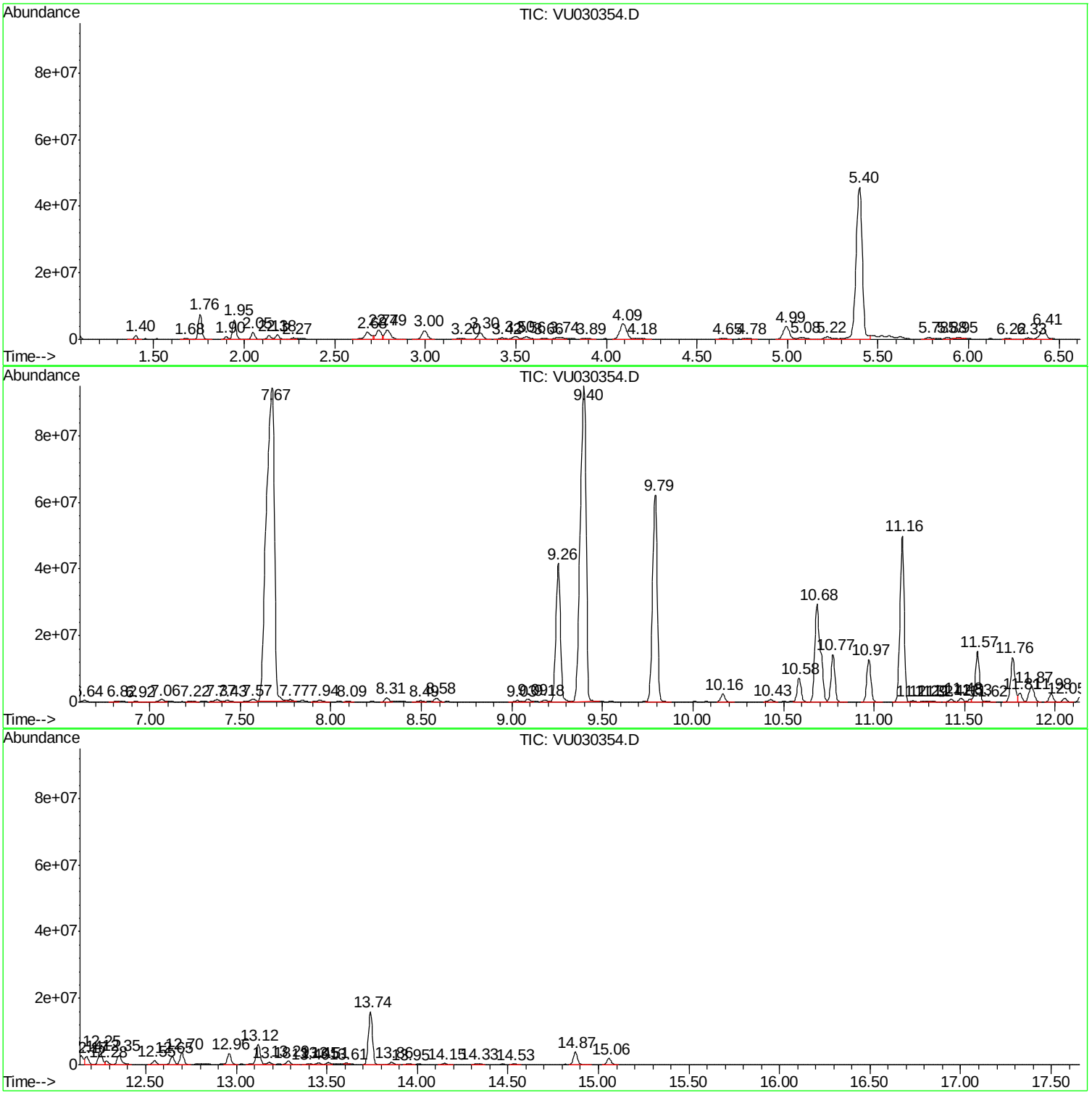
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

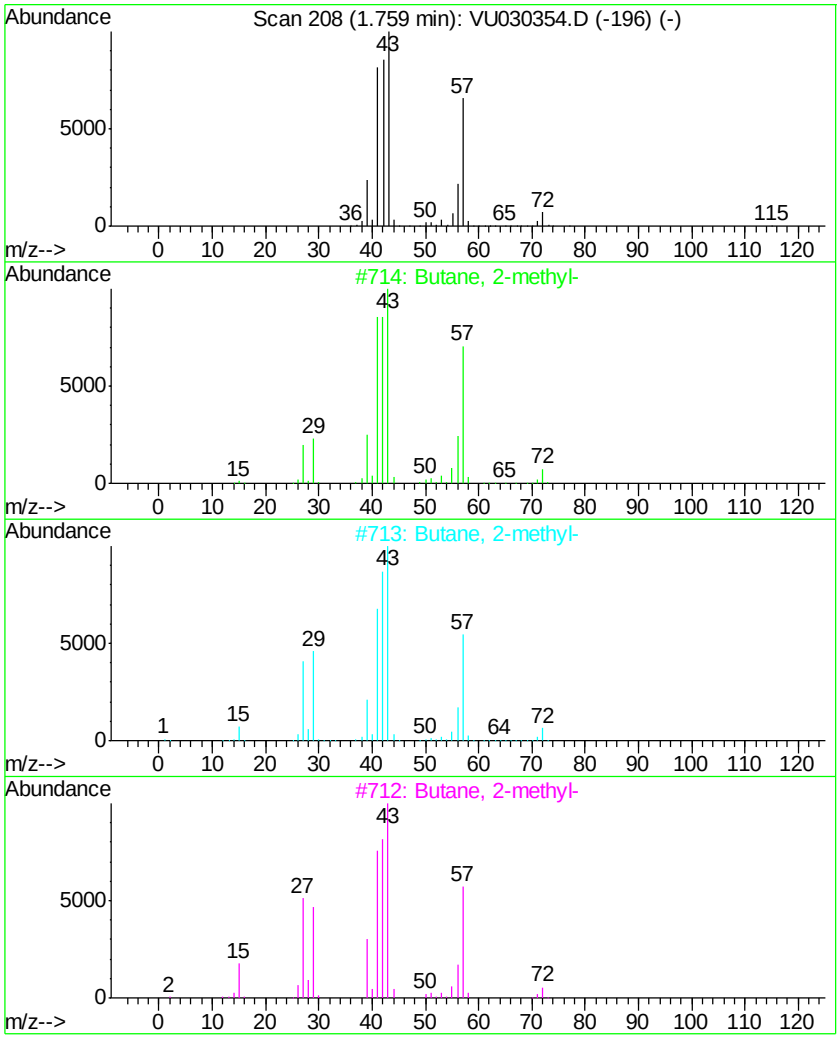
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

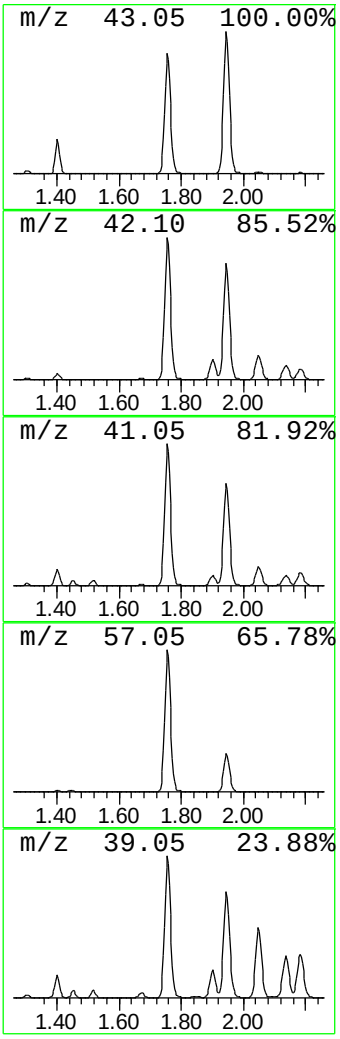
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	604.27 ug/L	10127200	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	50
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 : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

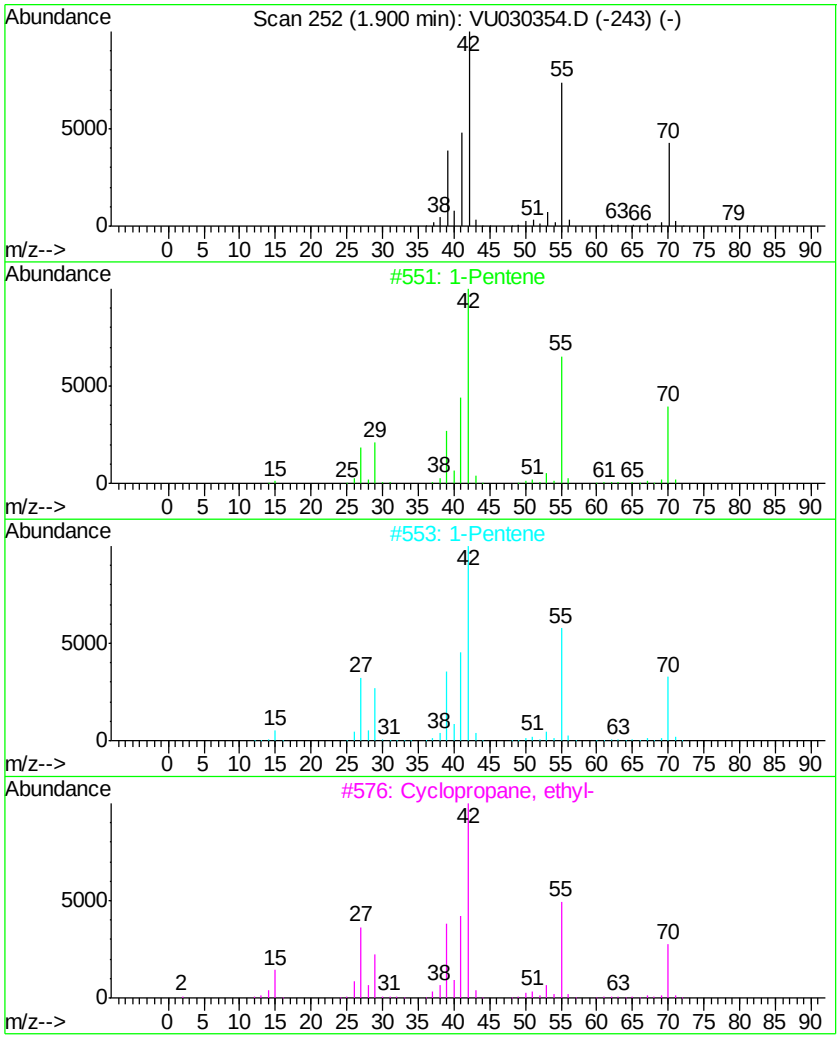
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

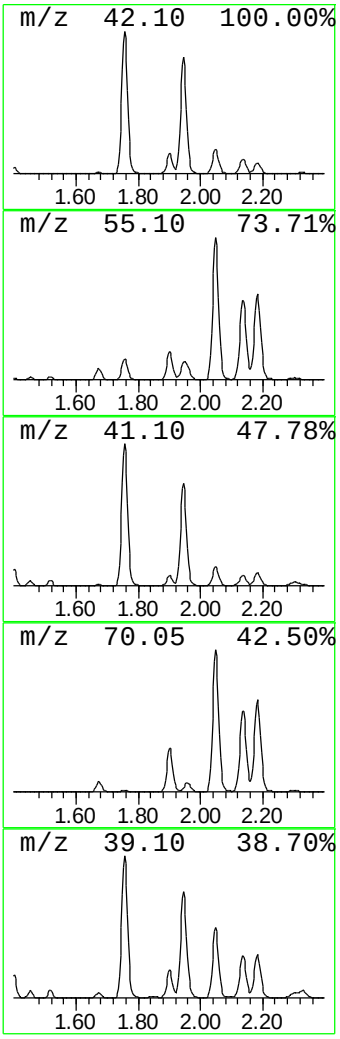
****

Peak Number 2 (DEL) Alkane: Cyclic1.90 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.90	58.82 ug/L	985867	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	81
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	58
5	2-Pentene	70	C5H10	000109-68-2	53





Library Search Compound Report

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ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

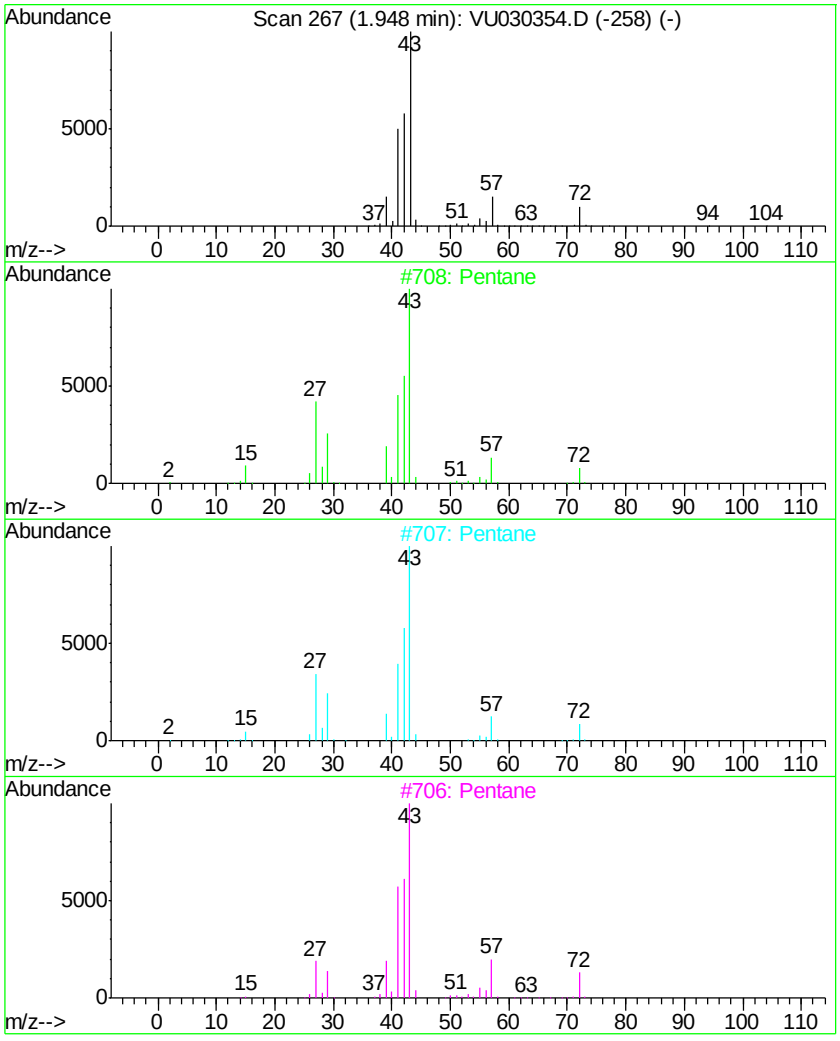
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

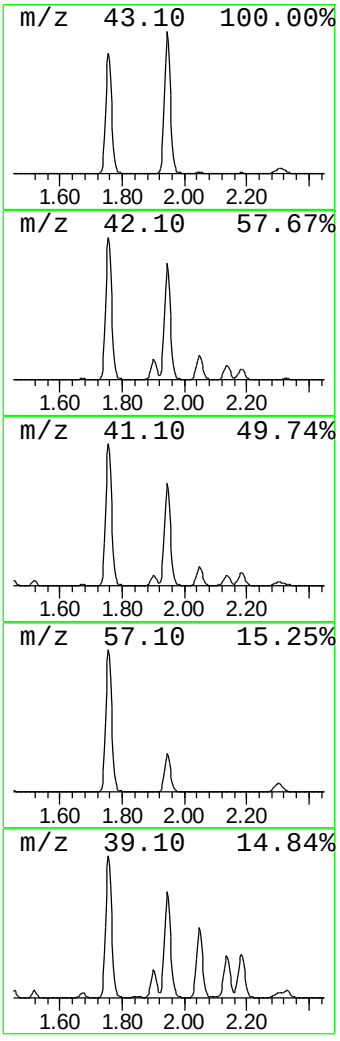
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	476.22 ug/L	7981150	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	83
4	Pentane	72	C5H12	000109-66-0	72
5	Butane, 2-methyl-	72	C5H12	000078-78-4	9





Library Search Compound Report

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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

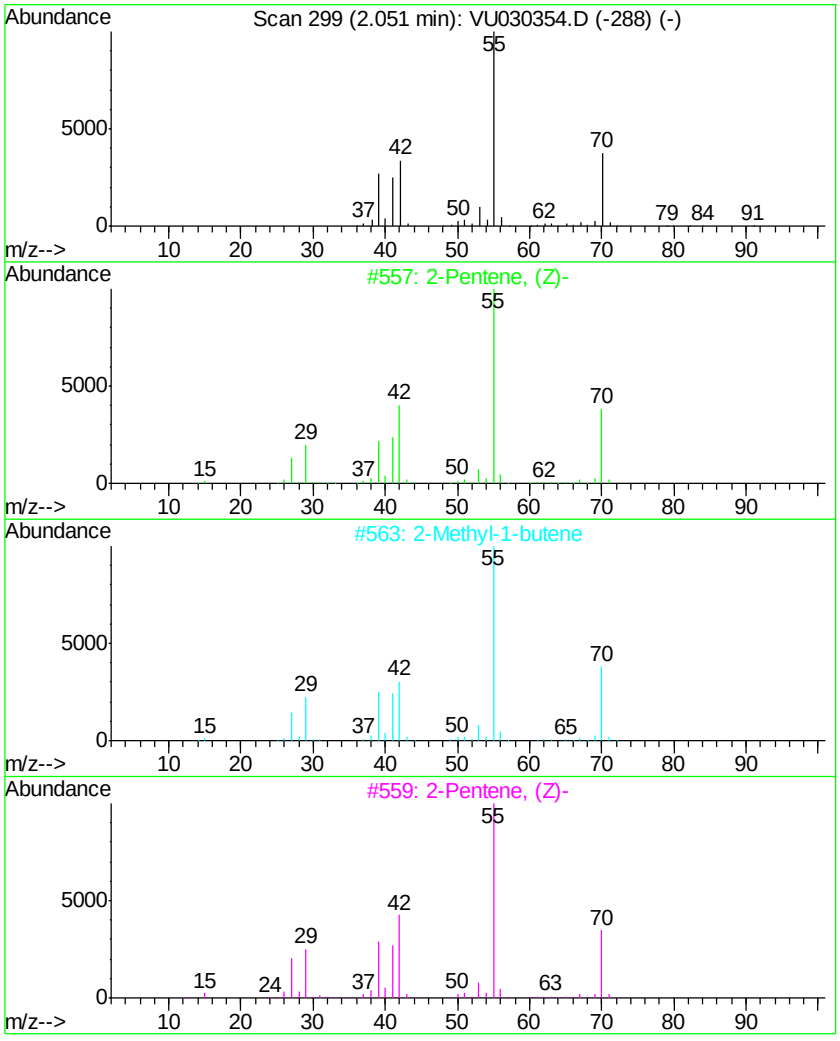
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

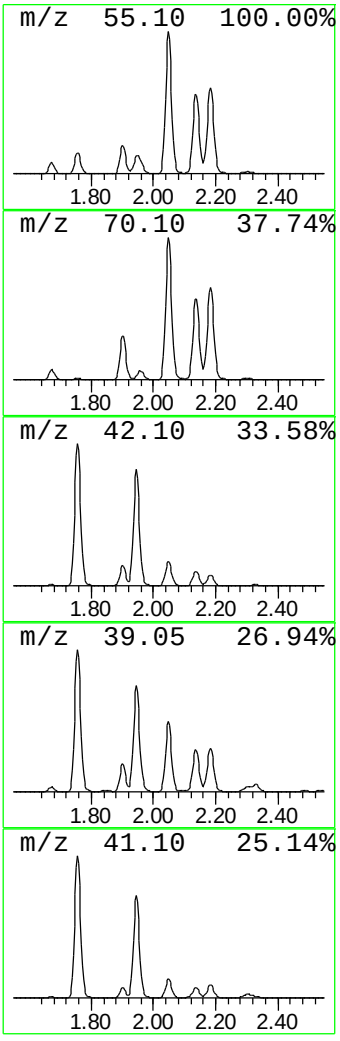
****

Peak Number 4 (DEL) Alkane: Cyclic2.05 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	173.48 ug/L	2907330	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-Methyl-1-butene	70	C5H10	000563-46-2	91
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
4	2-Pentene, (E)-	70	C5H10	000646-04-8	91
5	2-Pentene	70	C5H10	000109-68-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

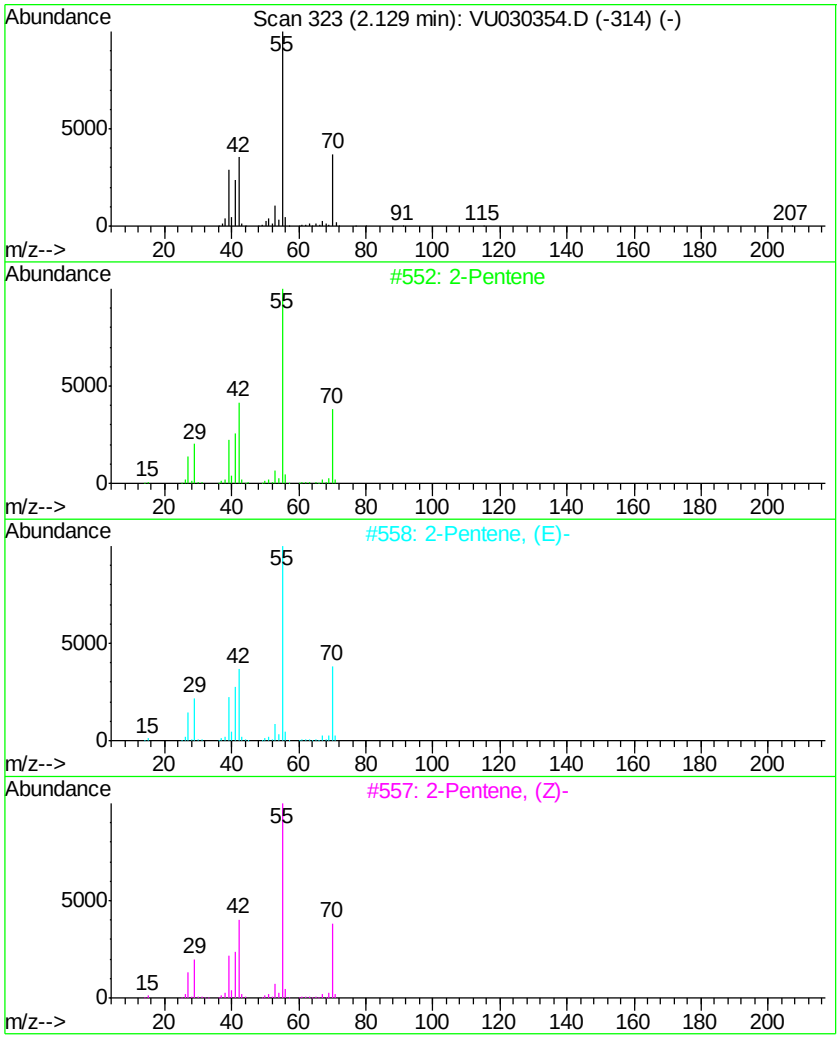
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

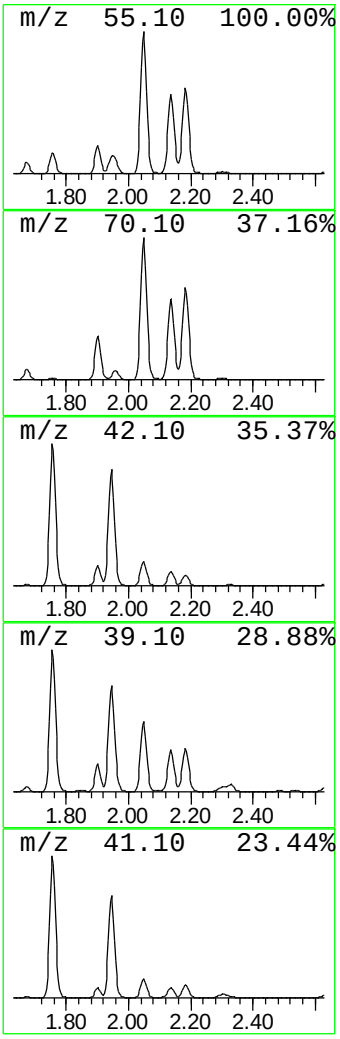
****

Peak Number 5 (DEL) Alkane: Cyclic2.13 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	103.60 ug/L	1736320	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, (E)-	70	C5H10	000646-04-8	91
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
4	2-Methyl-1-butene	70	C5H10	000563-46-2	91
5	2-Methyl-1-butene	70	C5H10	000563-46-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

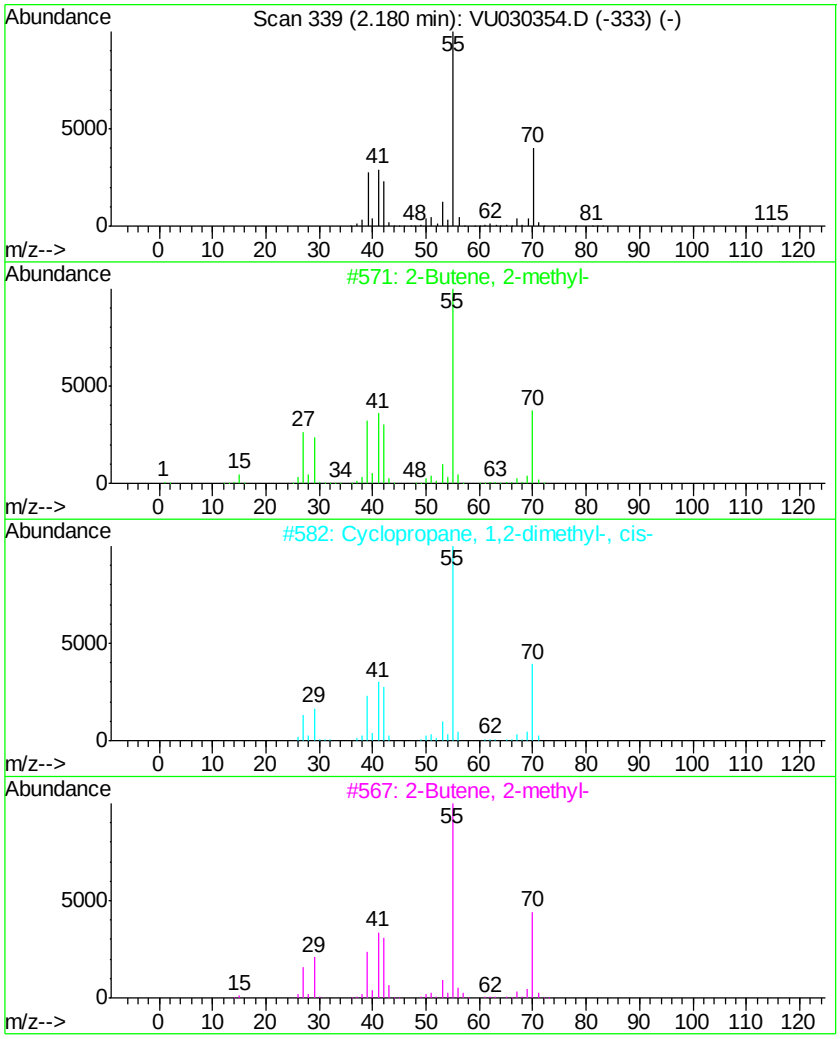
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

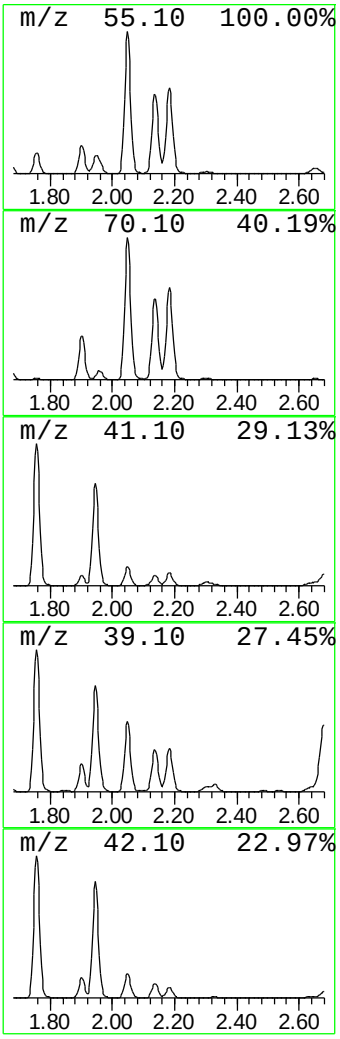
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic2.18 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	116.94 ug/L	1959880	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
5	2-Methyl-1-butene	70	C5H10	000563-46-2	86





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Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

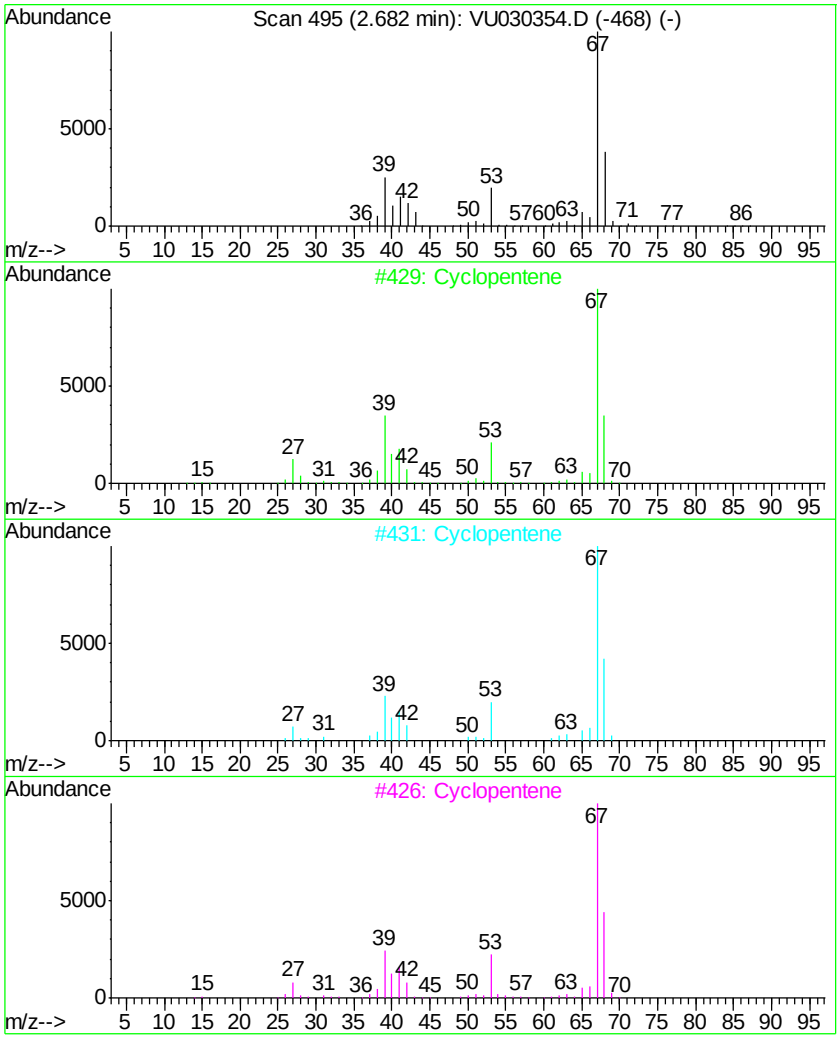
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

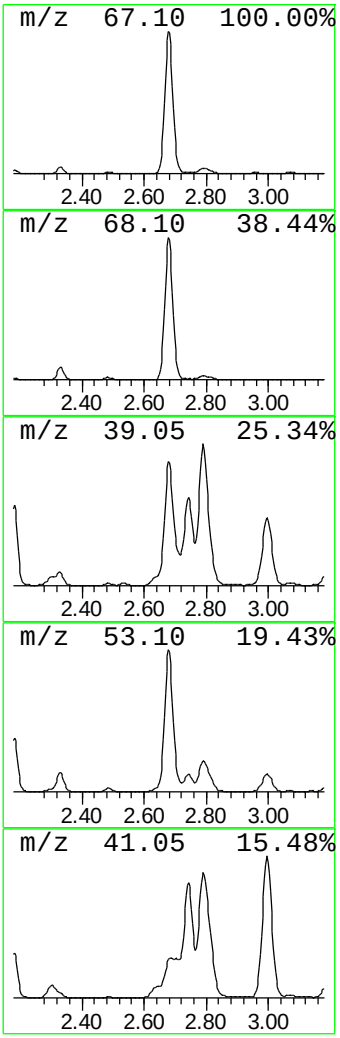
****

Peak Number 7 Cyclopentene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.68	323.71 ug/L	5425160	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	Cyclopentene	68	C5H8	000142-29-0	78
5	1,4-Pentadiene	68	C5H8	000591-93-5	58





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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

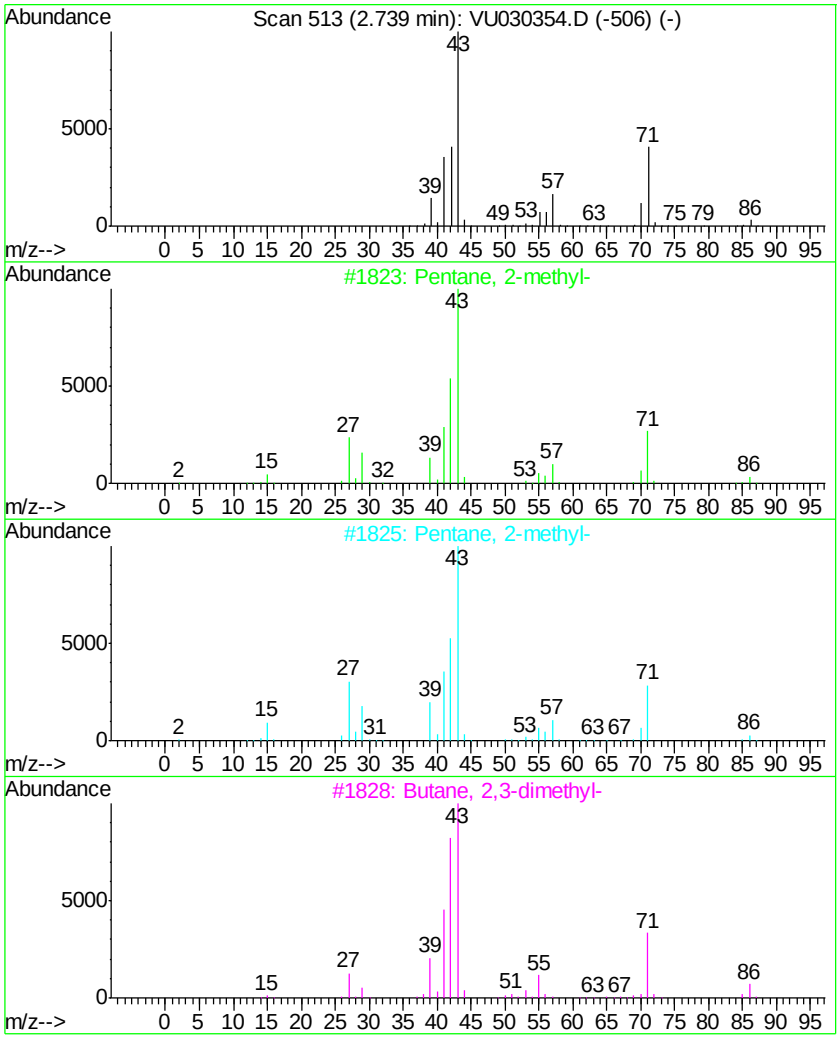
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

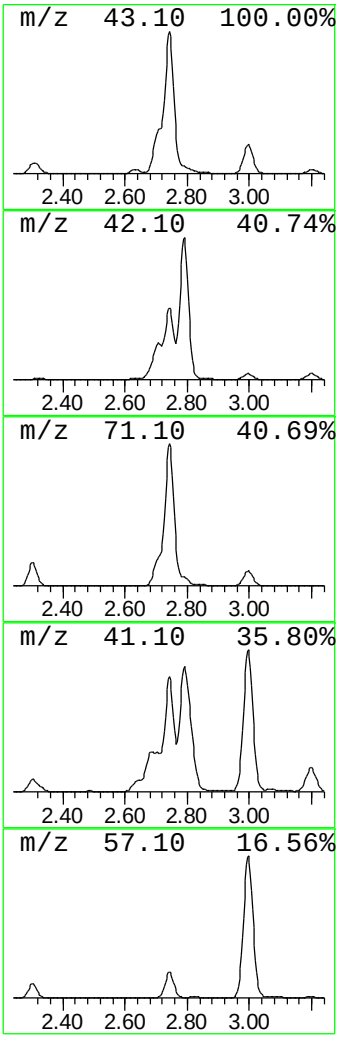
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	338.57 ug/L	5674200	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	64
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

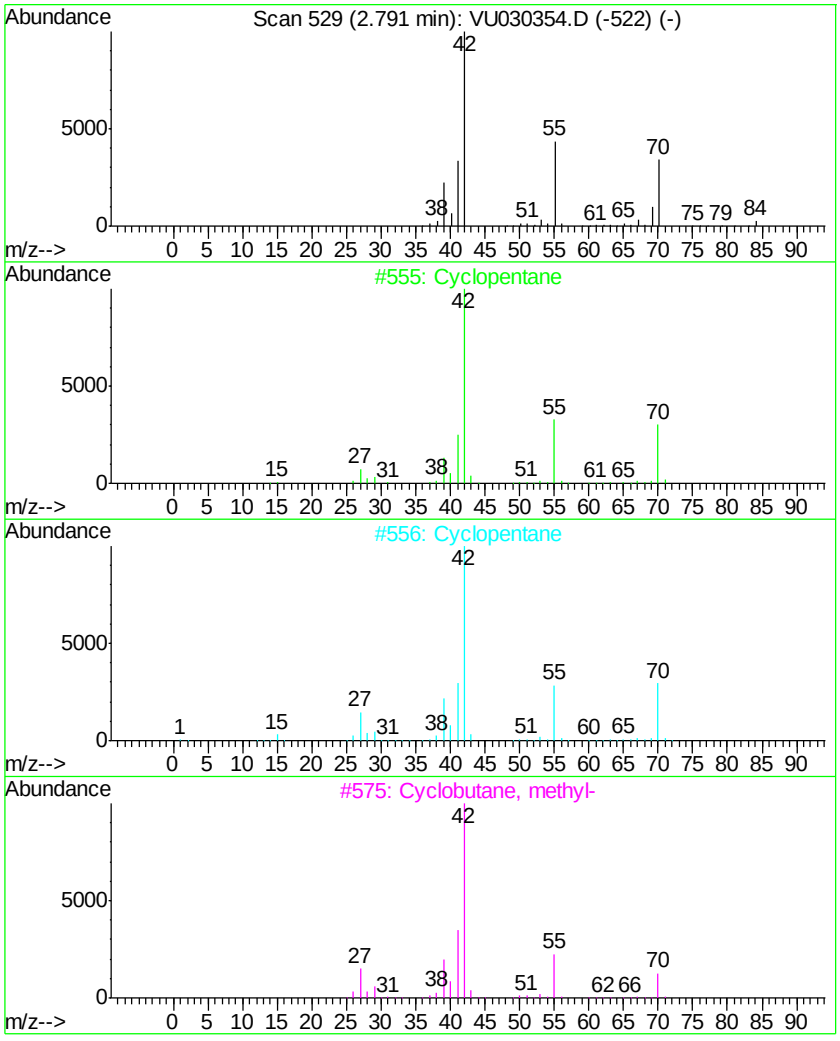
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

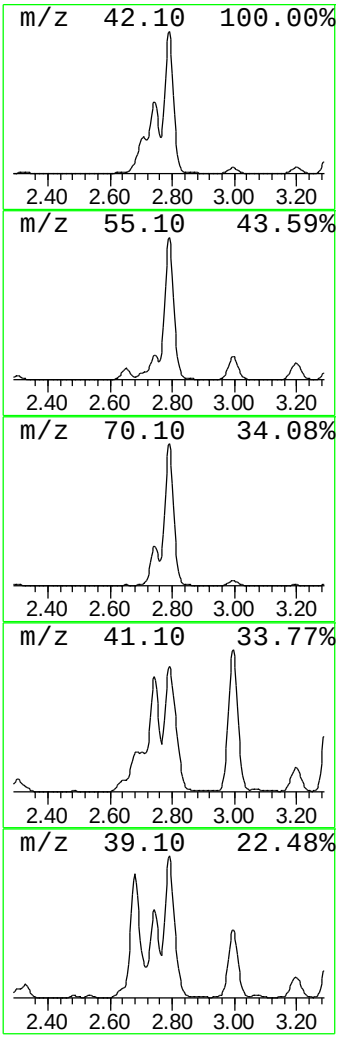
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	371.13 ug/L	6219830	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	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
4	1-Pentene	70	C5H10	000109-67-1	50
5	1-Pentene	70	C5H10	000109-67-1	45





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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

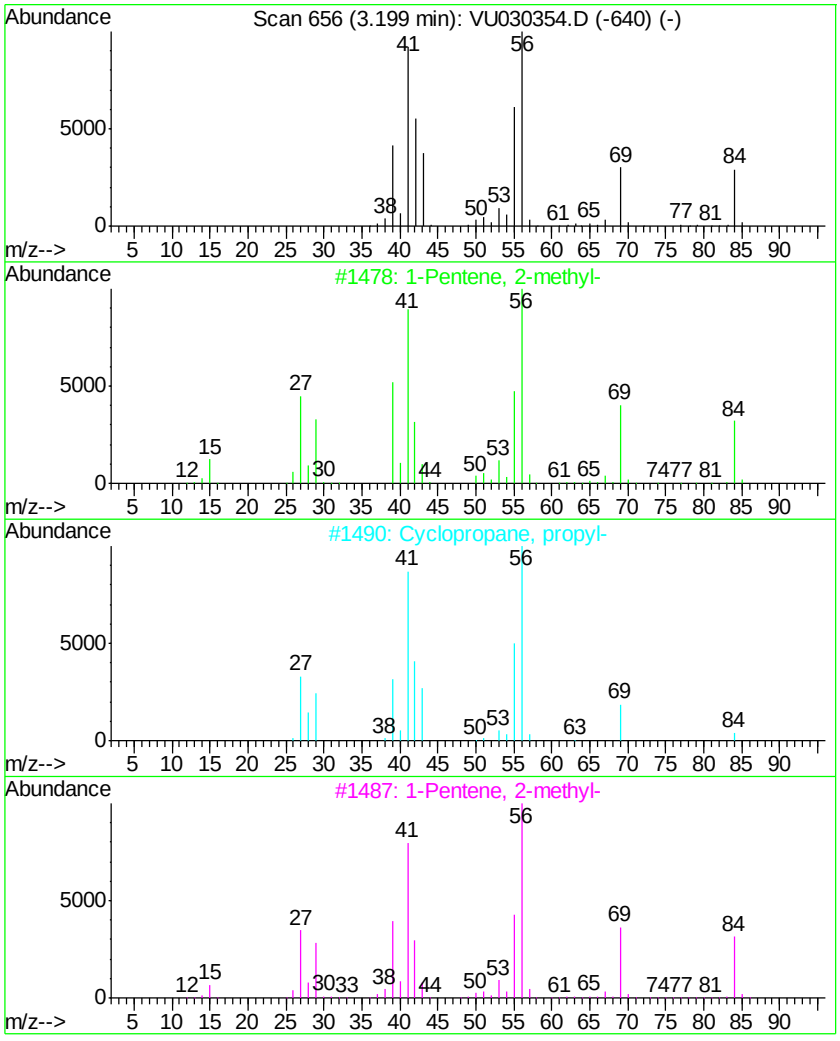
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

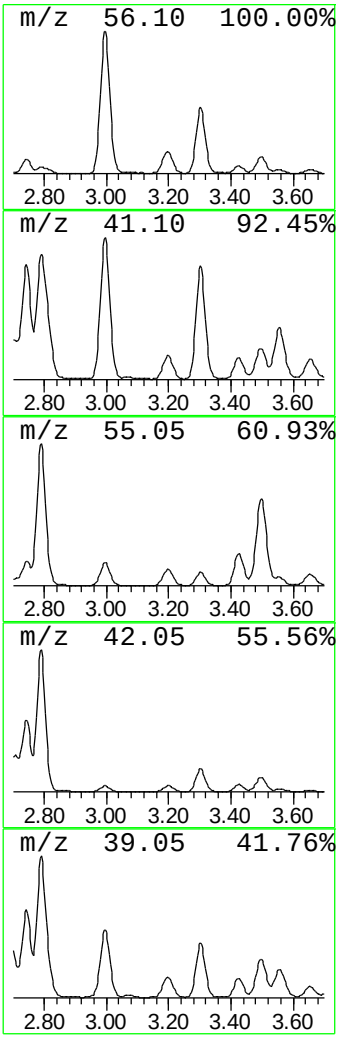
****

Peak Number 10 (DEL) Alkane: Cyclic3.20 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	55.37 ug/L	927987	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	90
2	Cyclopropane, propyl-	84	C6H12	002415-72-7	83
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	83
4	1-Hexene	84	C6H12	000592-41-6	81
5	1-Hexene	84	C6H12	000592-41-6	72





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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

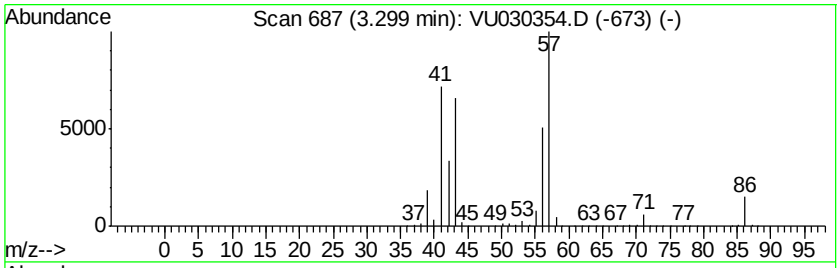
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

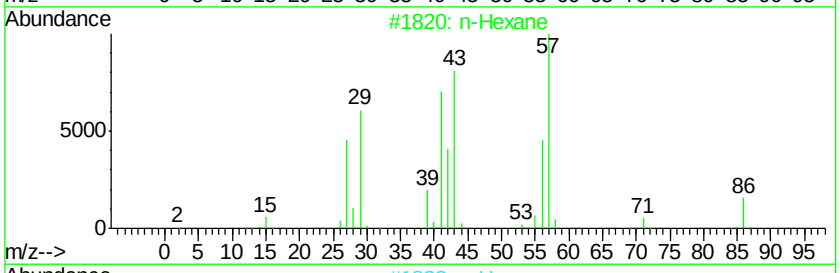
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

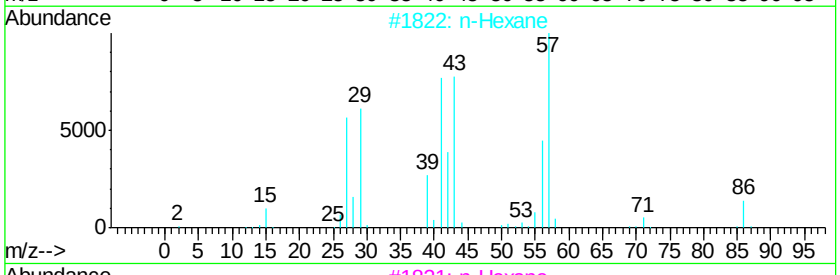
****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 16

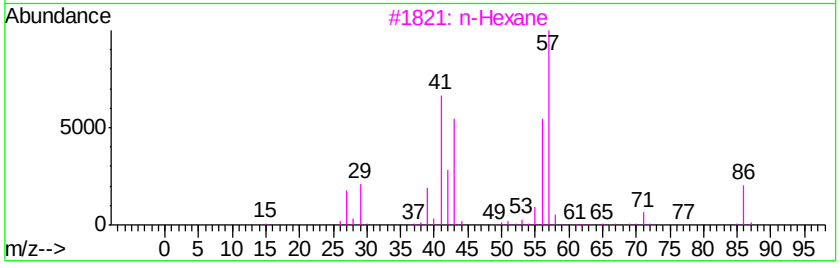
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	240.93 ug/L	4037820	1,4-Difluorobenzene	5.88

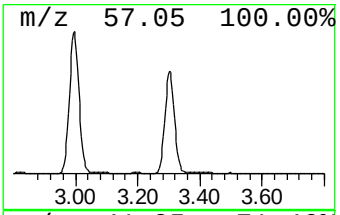
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	91
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	37

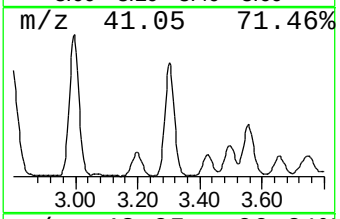


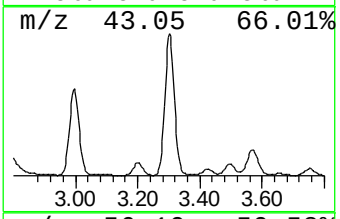


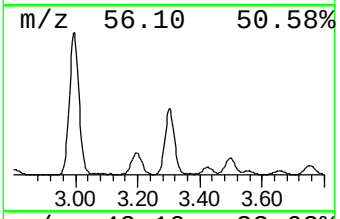


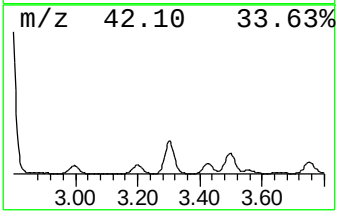












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

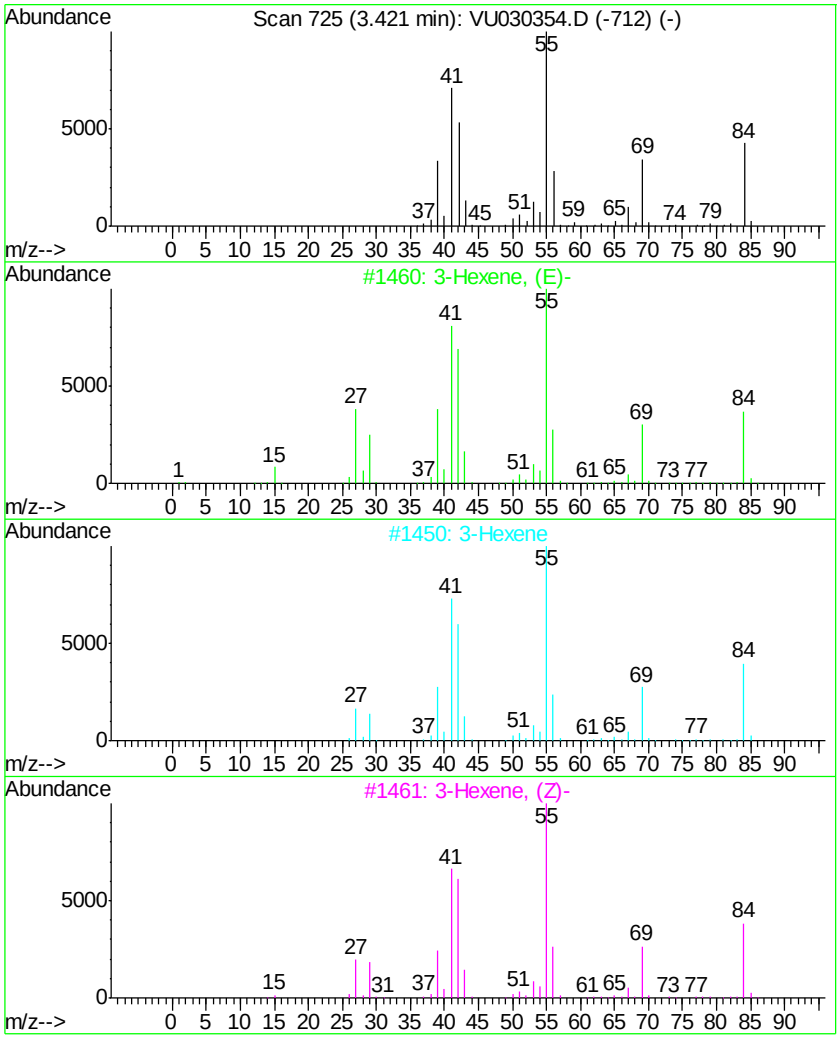
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

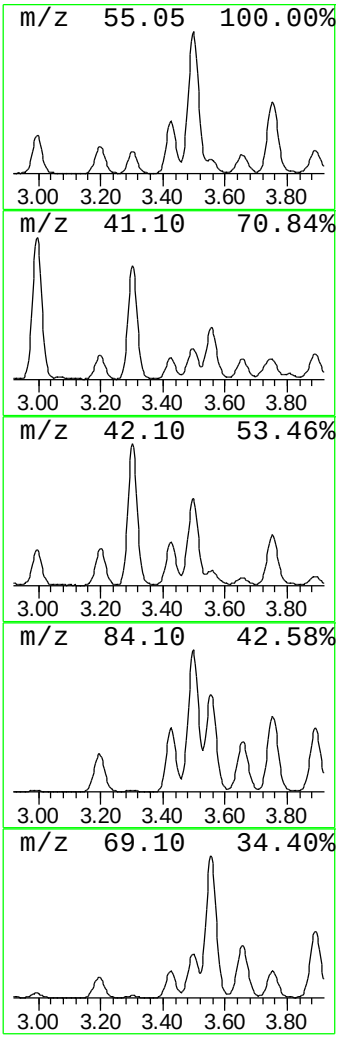
****

Peak Number 12 (DEL) Alkane: Cyclic3.42 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.42	53.16 ug/L	890932	1,4-Difluorobenzene	5.88

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





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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

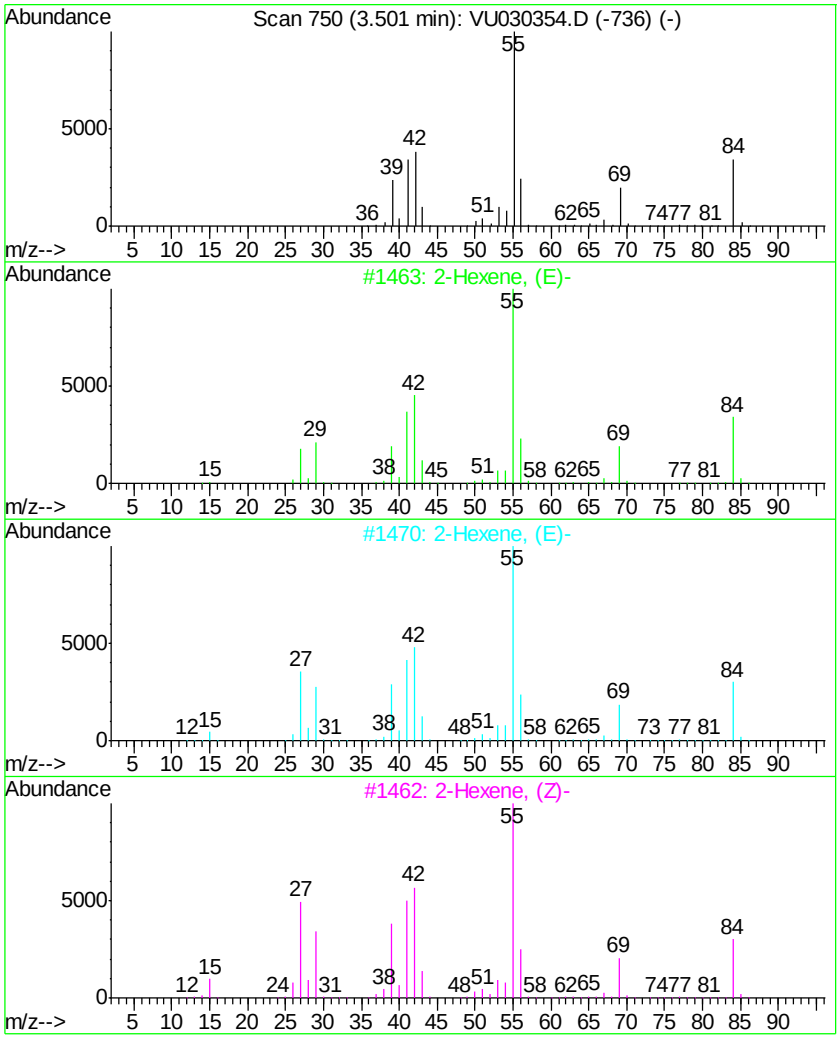
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

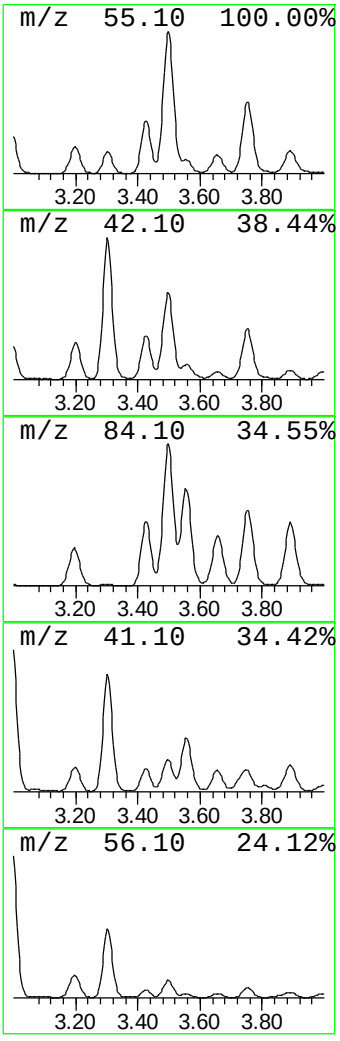
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic3.50 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	100.67 ug/L	1687210	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, (Z)-	84	C6H12	007688-21-3	91
4	2-Hexene	84	C6H12	000592-43-8	91
5	2-Hexene	84	C6H12	000592-43-8	91





Library Search Compound Report

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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

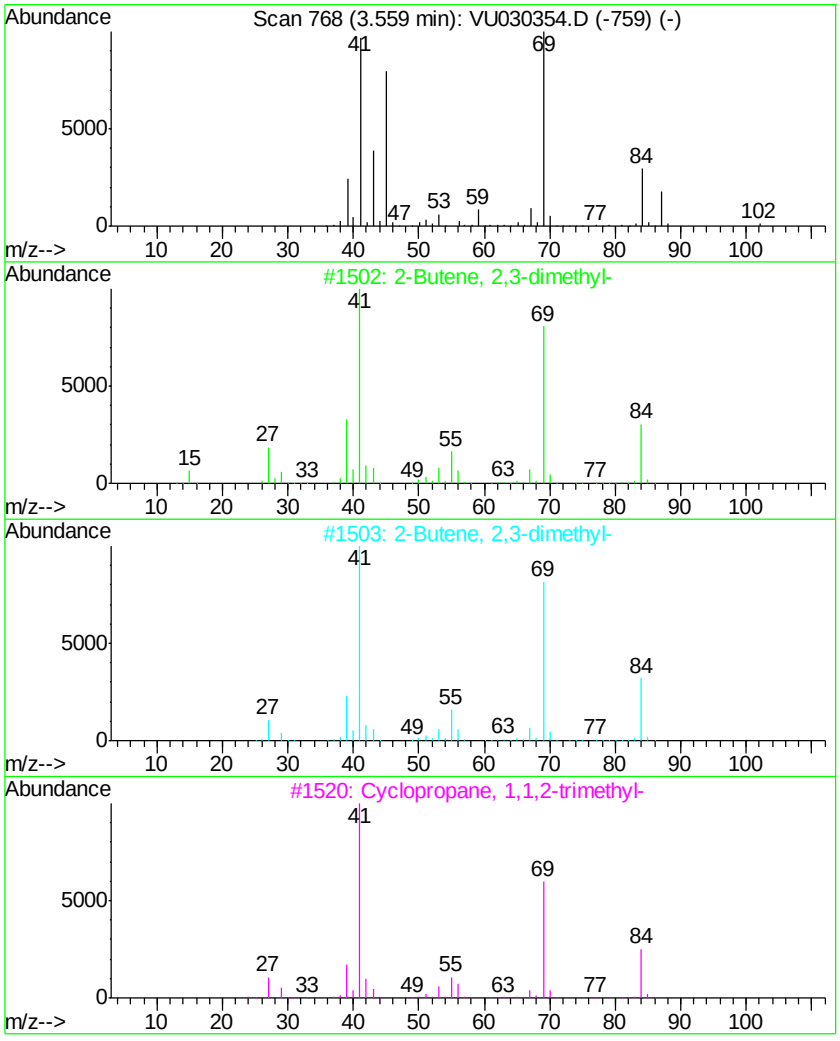
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

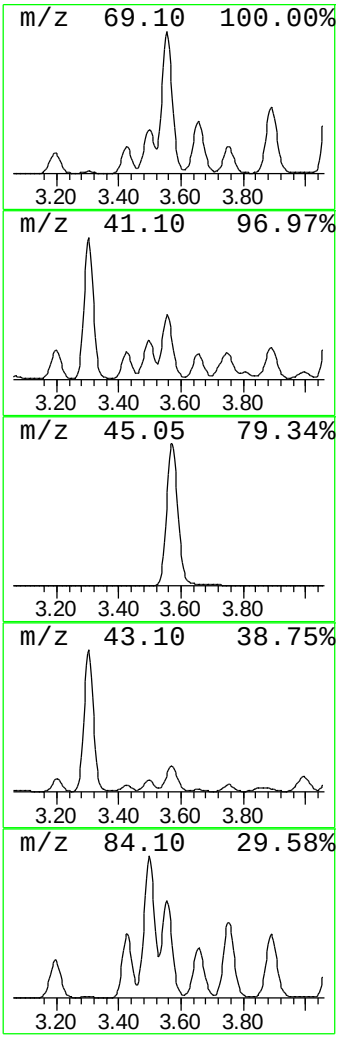
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	102.73 ug/L	1721650	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	46
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	46
3	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	46
4	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	46
5	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	46





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Data File : VU030354.D
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Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

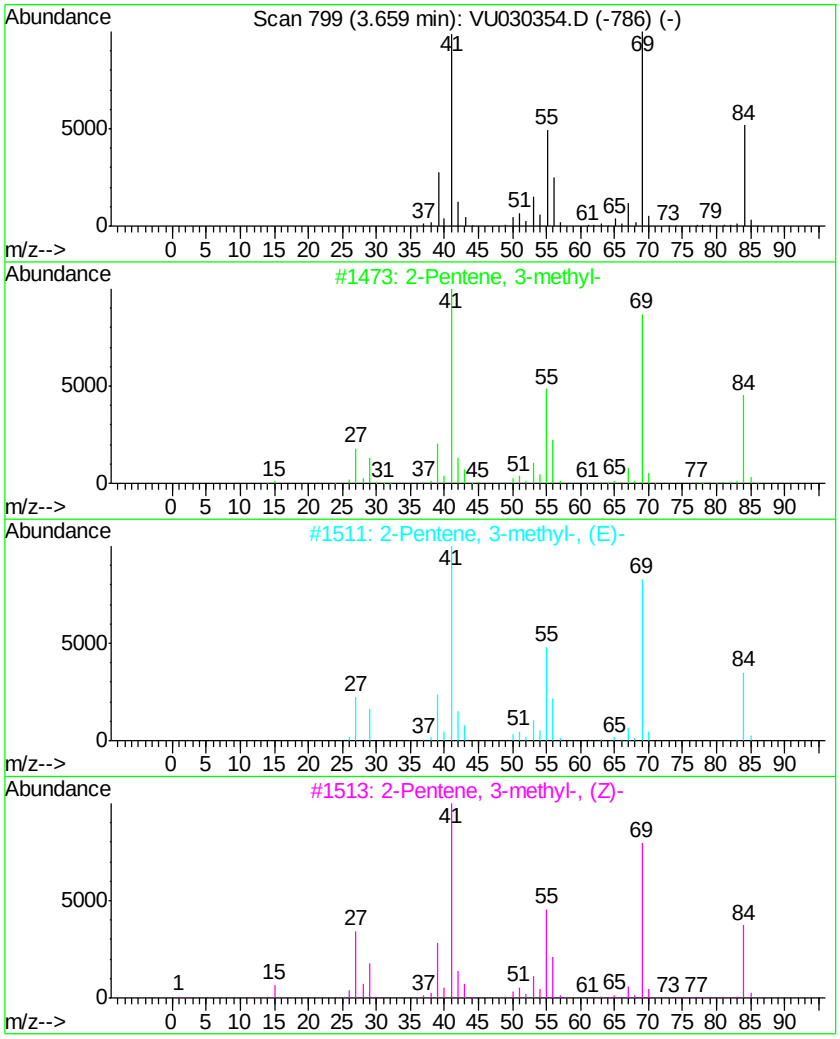
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

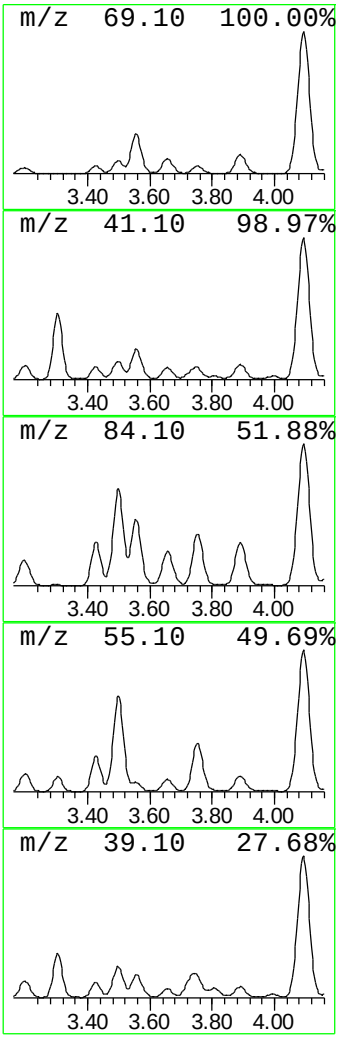
****

Peak Number 15 (DEL) Alkane: Cyclic3.66 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.66	33.45 ug/L	560536	1,4-Difluorobenzene	5.88

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

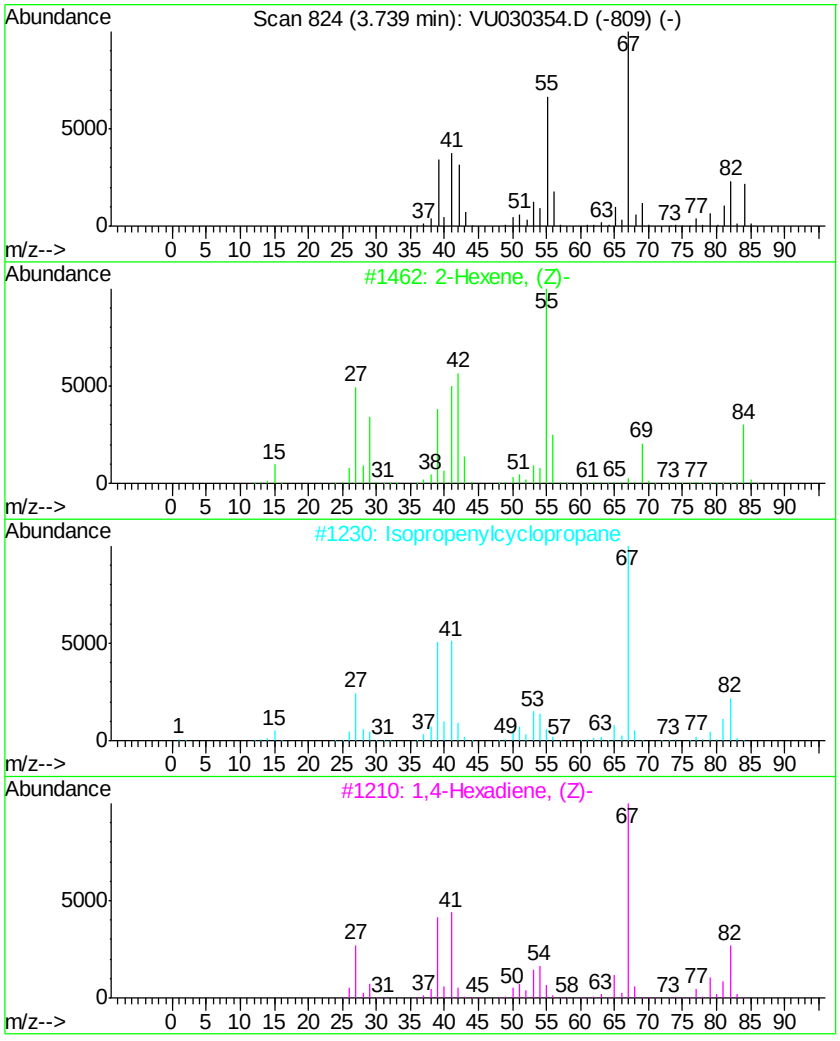
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

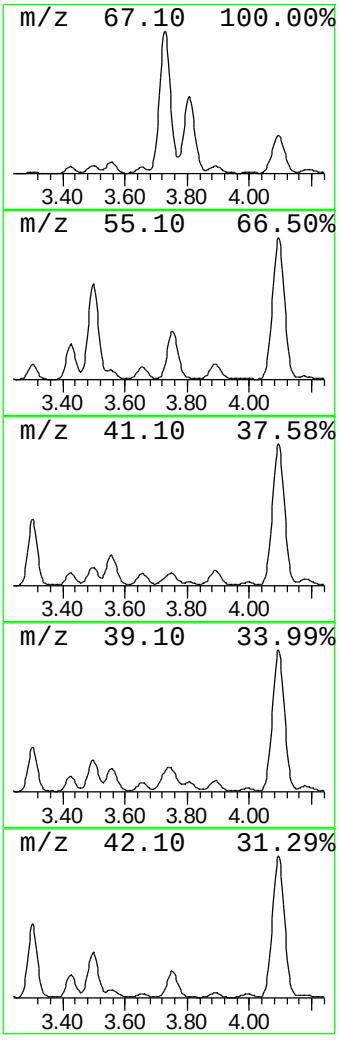
****

Peak Number 16 (DEL) Alkane: Cyclic3.74 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	108.40 ug/L	1816660	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, (Z)-	84	C6H12	007688-21-3	87
2	Isopropenylcyclopropane	82	C6H10	004663-22-3	60
3	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	60
4	2-Hexene, (Z)-	84	C6H12	007688-21-3	55
5	Isopropenylcyclopropane	82	C6H10	004663-22-3	53





Library Search Compound Report

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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

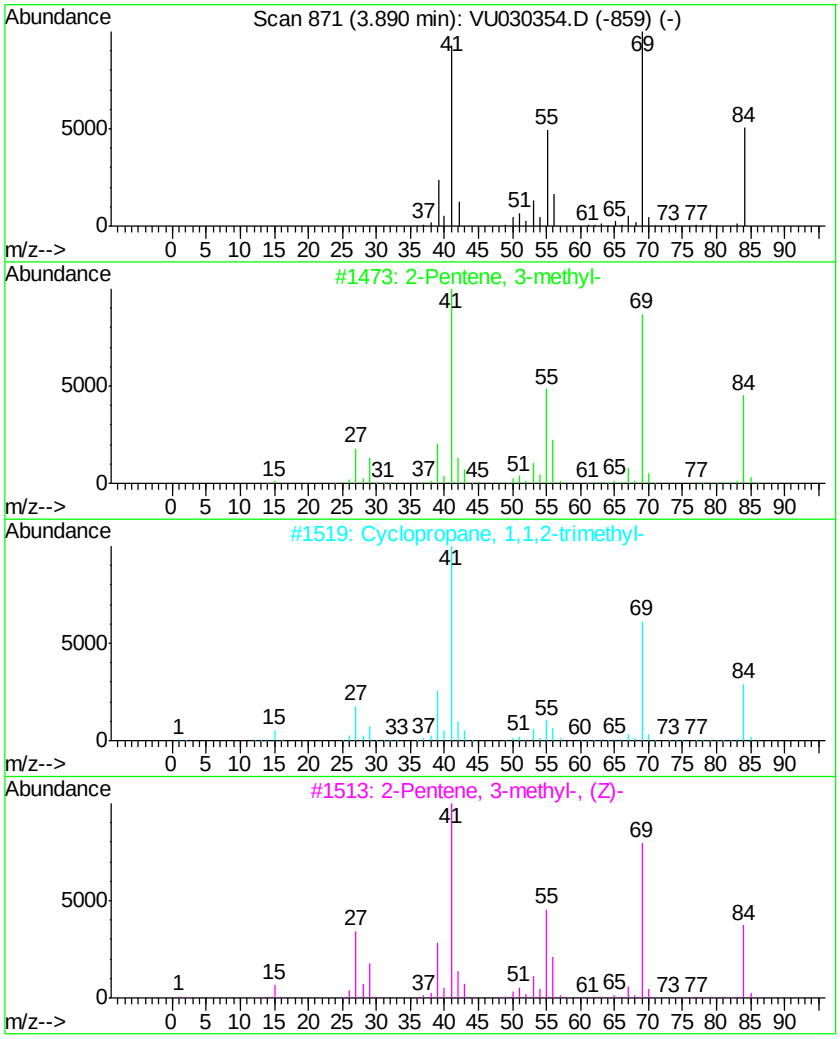
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

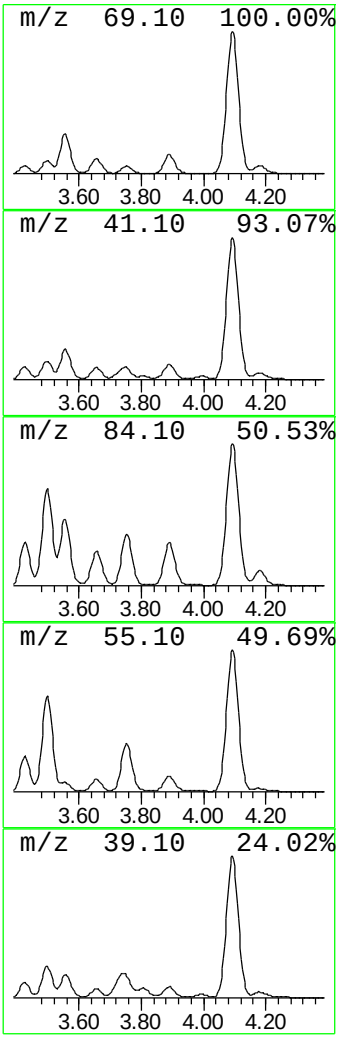
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic3.89 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.89	51.56 ug/L	864076	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	90
2	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	87
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	87
4	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	86
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	86





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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

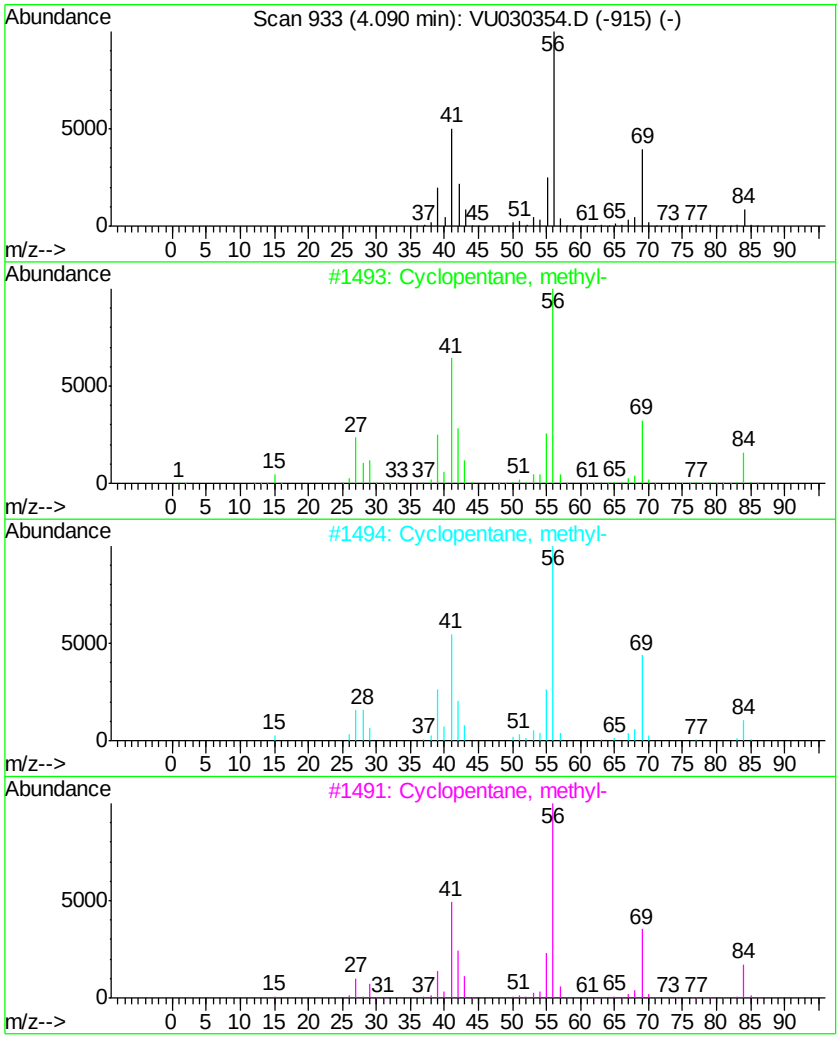
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

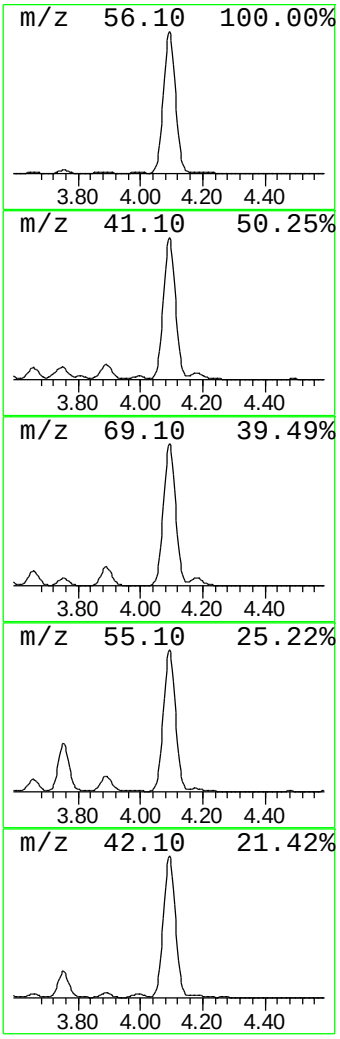
****

Peak Number 18 (DEL) Alkane: Cyclic4.09 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	738.10 ug/L	12370100	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	Cyclohexane	84	C6H12	000110-82-7	78
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	78





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

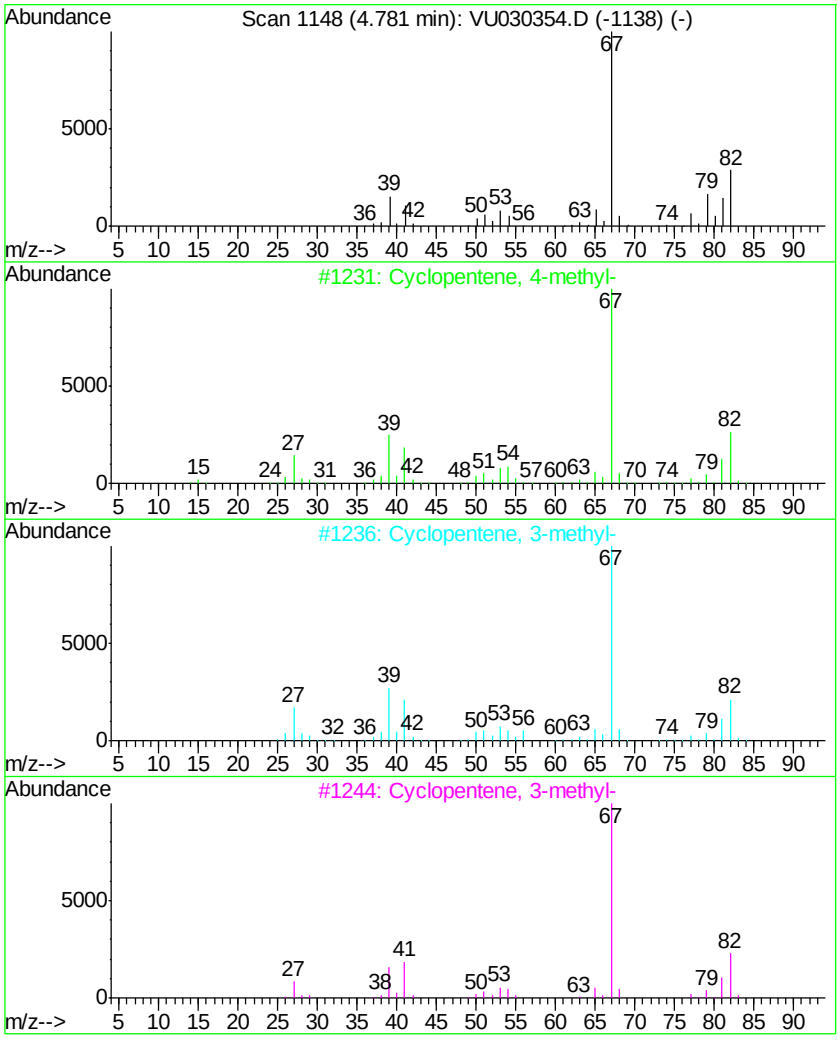
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

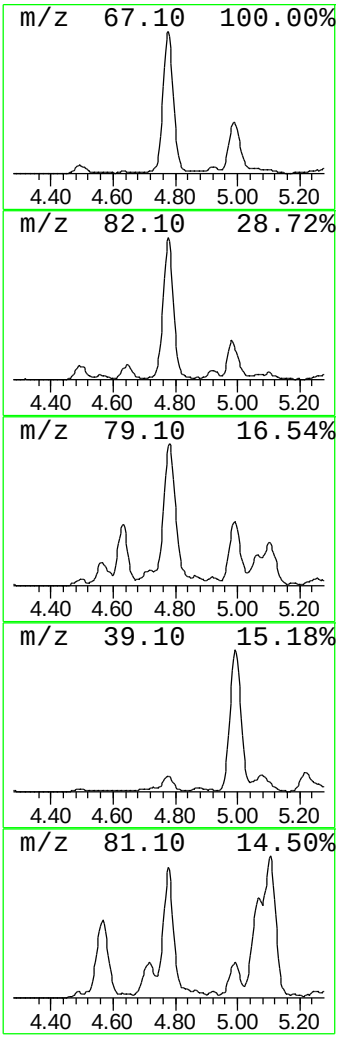
****

Peak Number 19 Cyclopentene, 4-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	46.39 ug/L	777411	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	87
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	80
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

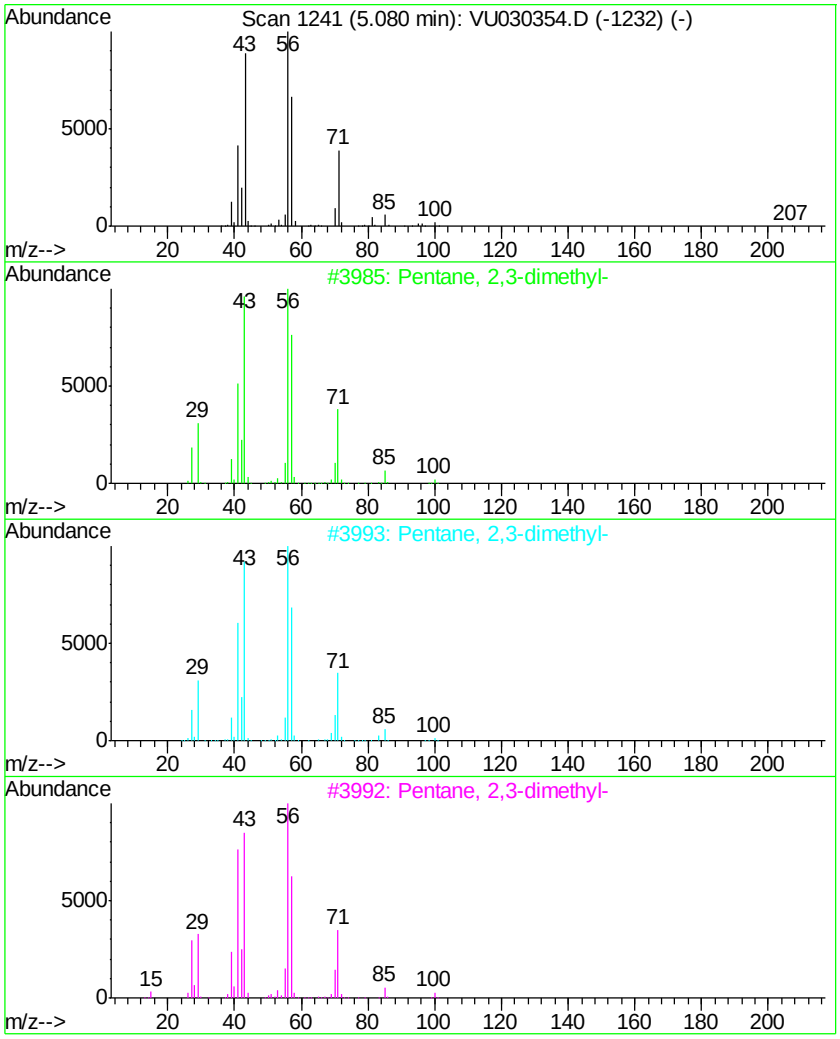
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

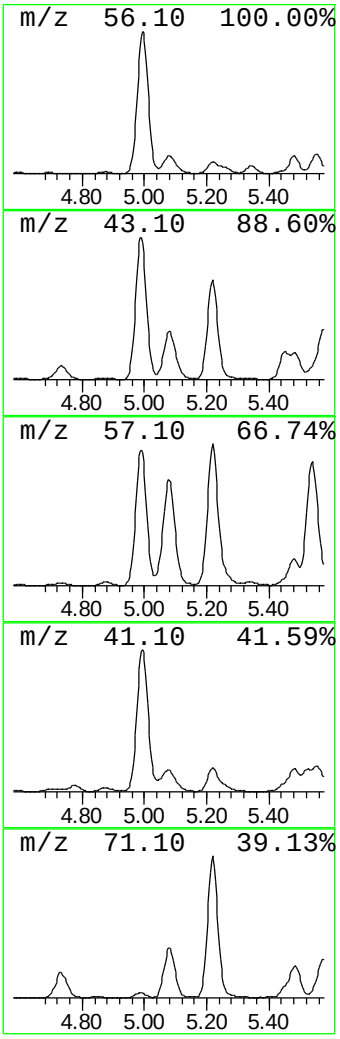
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	93.02 ug/L	1558900	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	86
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	52
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

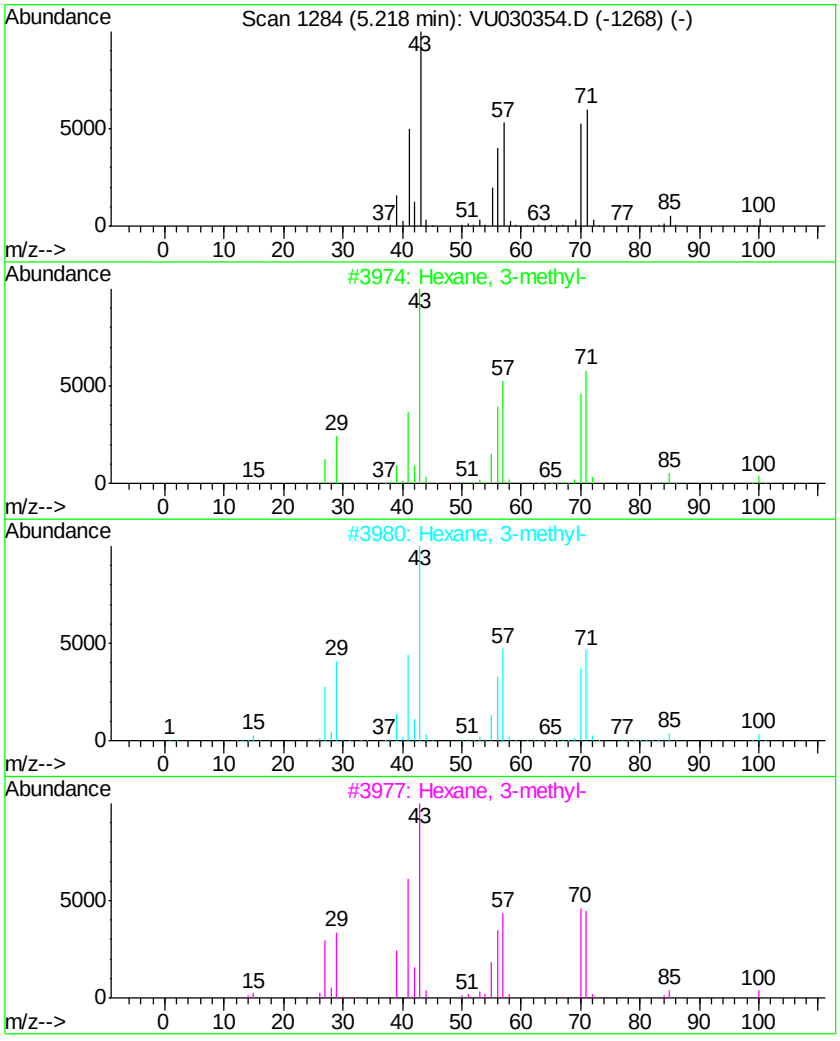
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

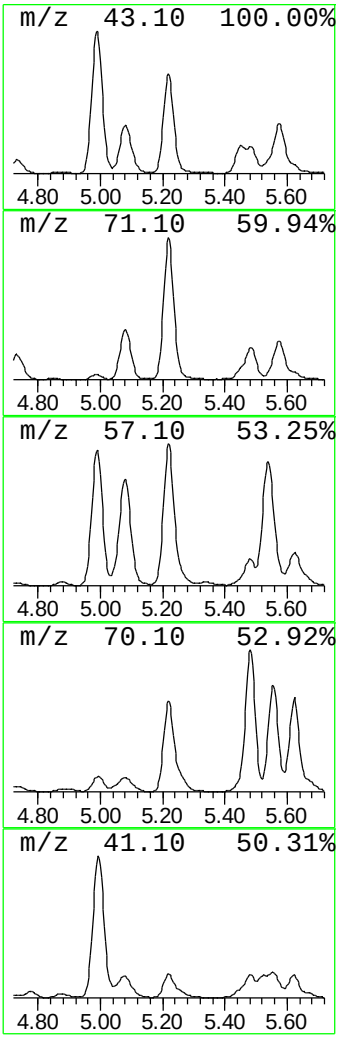
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	126.59 ug/L	2121510	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	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Heptane	100	C7H16	000142-82-5	80
5	Heptane	100	C7H16	000142-82-5	64





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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

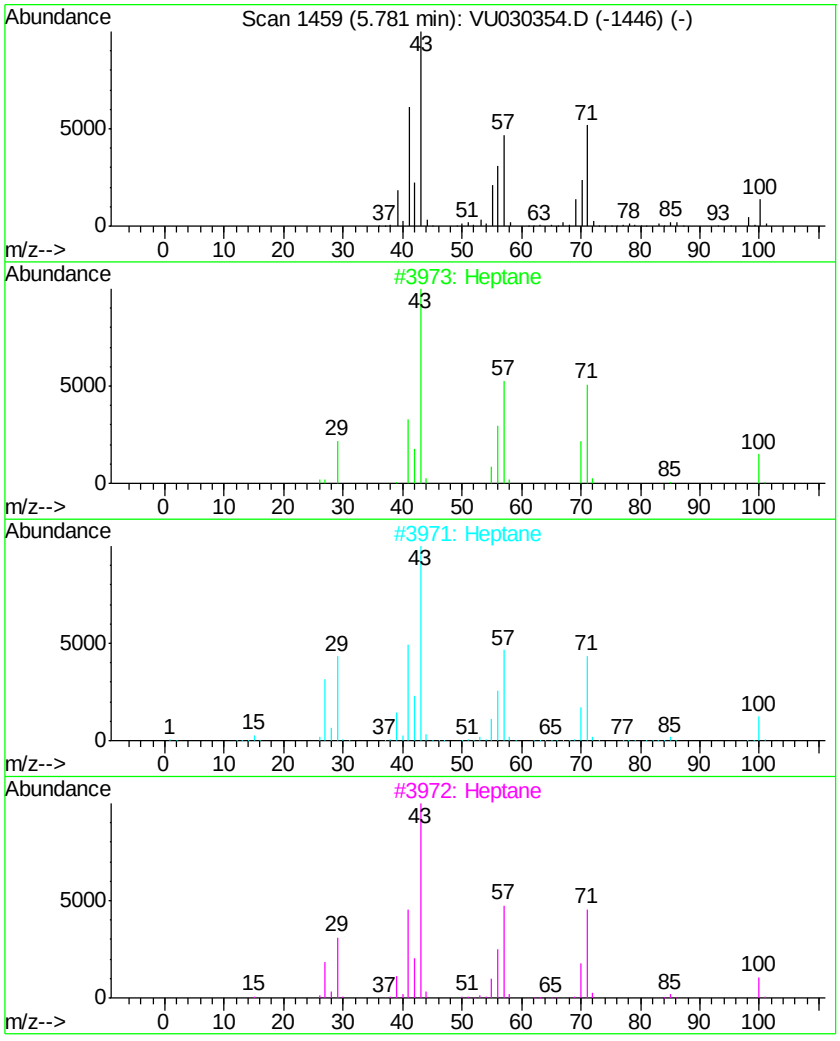
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

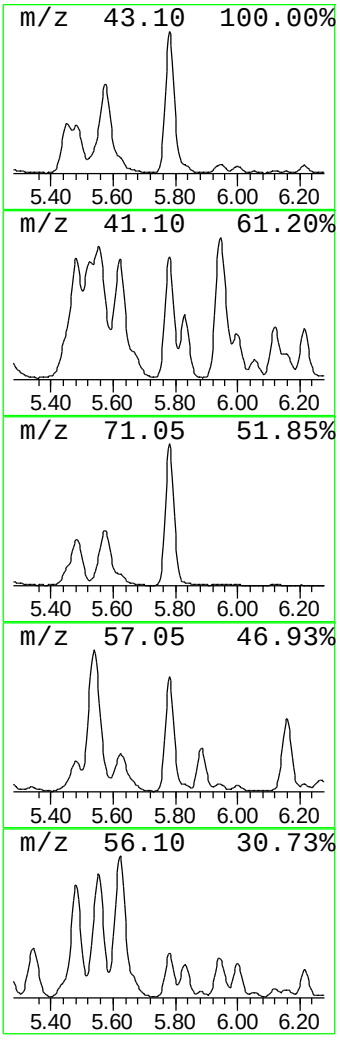
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	70.03 ug/L	1173610	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	87
3	Heptane	100	C7H16	000142-82-5	87
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 : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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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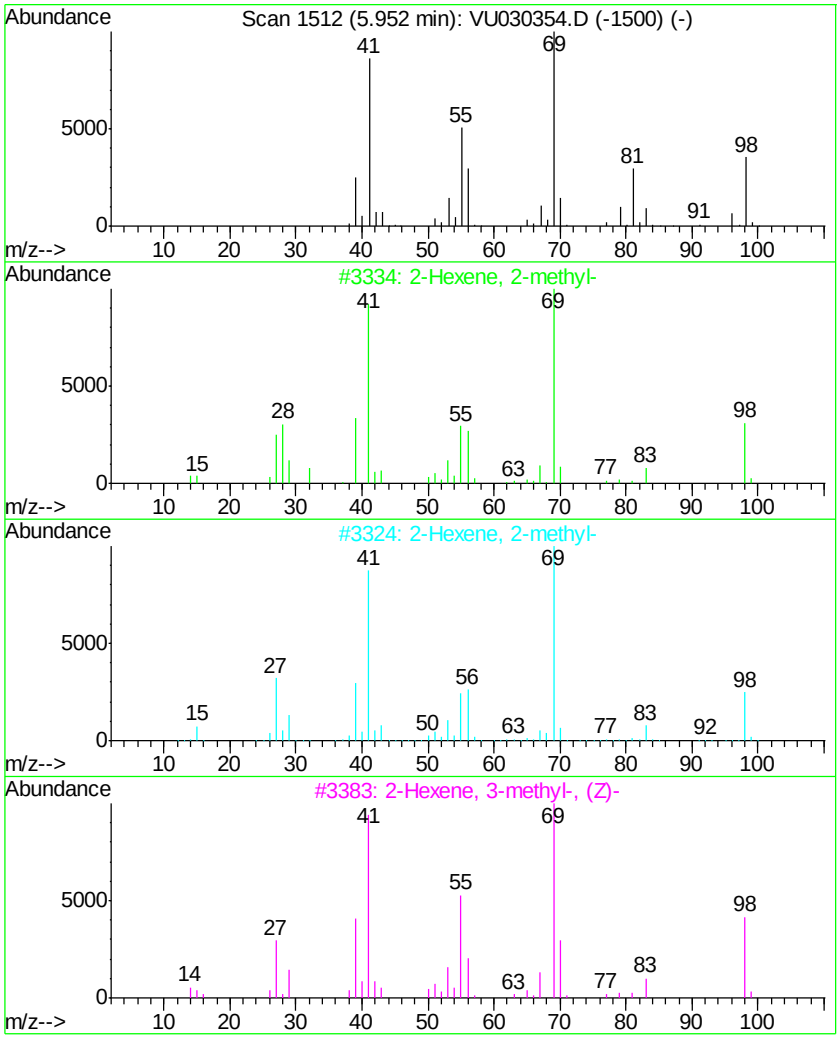
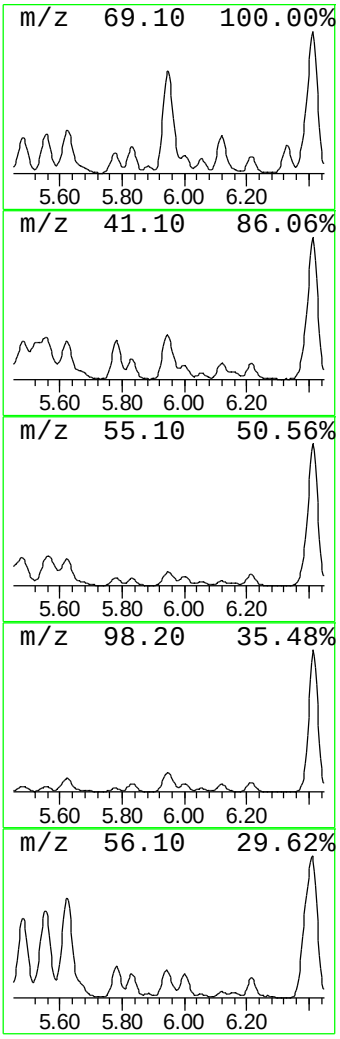
Peak Number 23 (DEL) Alkane: Cyclic5.95 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	58.26 ug/L	976467	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	81
2	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	81
3	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	76
4	(Z)-4-Methyl-2-hexene	98	C7H14	003683-19-0	74
5	2-Hexene, 4-methyl-, (E)-	98	C7H14	003683-22-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

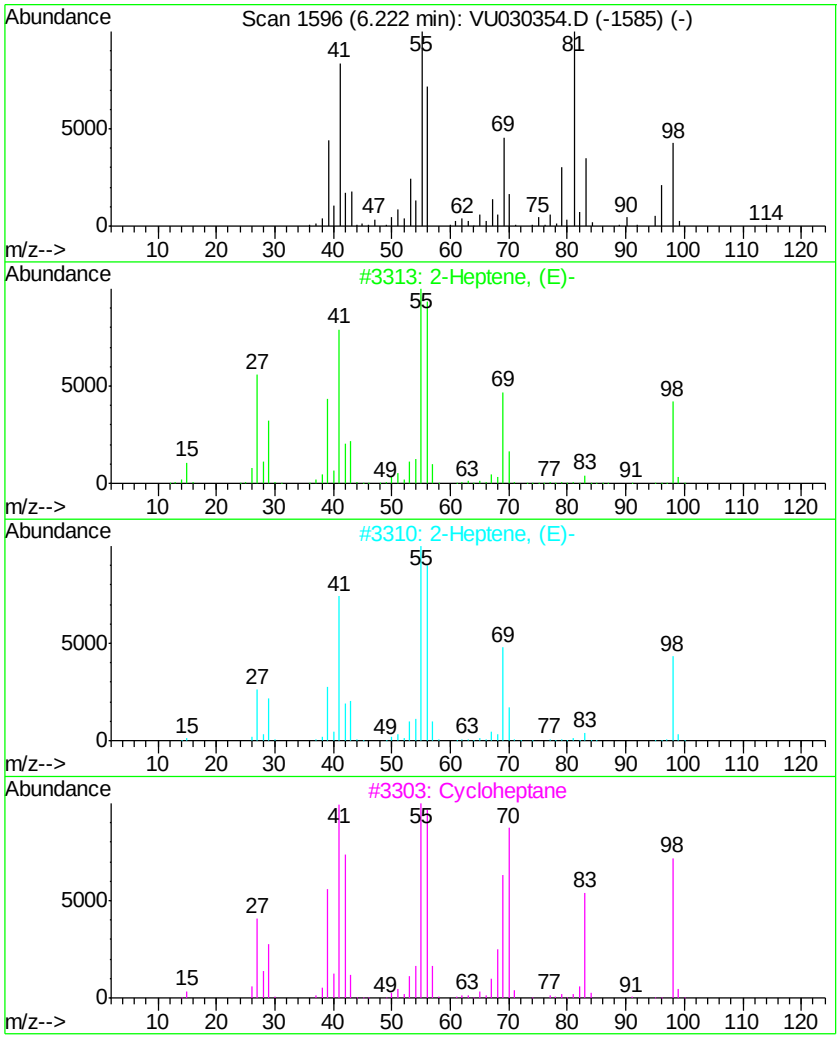
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

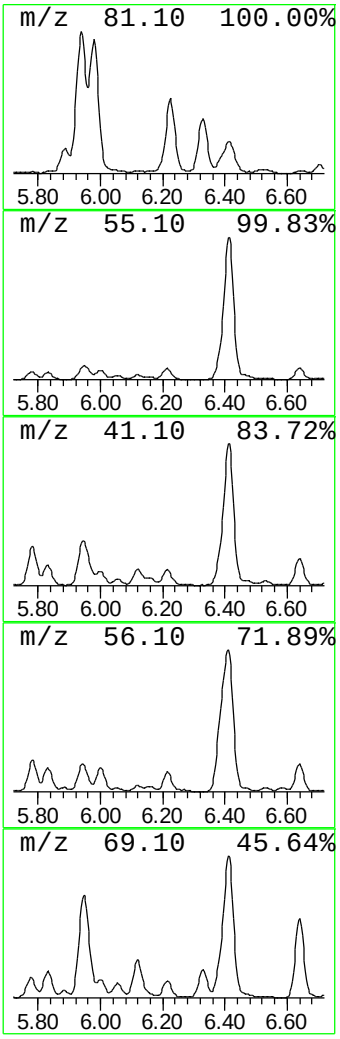
****

Peak Number 24 (DEL) Alkane: Cyclic6.22 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	32.89 ug/L	551258	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptene, (E)-	98	C7H14	014686-13-6	55
2	2-Heptene, (E)-	98	C7H14	014686-13-6	55
3	Cycloheptane	98	C7H14	000291-64-5	52
4	2-Heptene	98	C7H14	000592-77-8	50
5	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	50





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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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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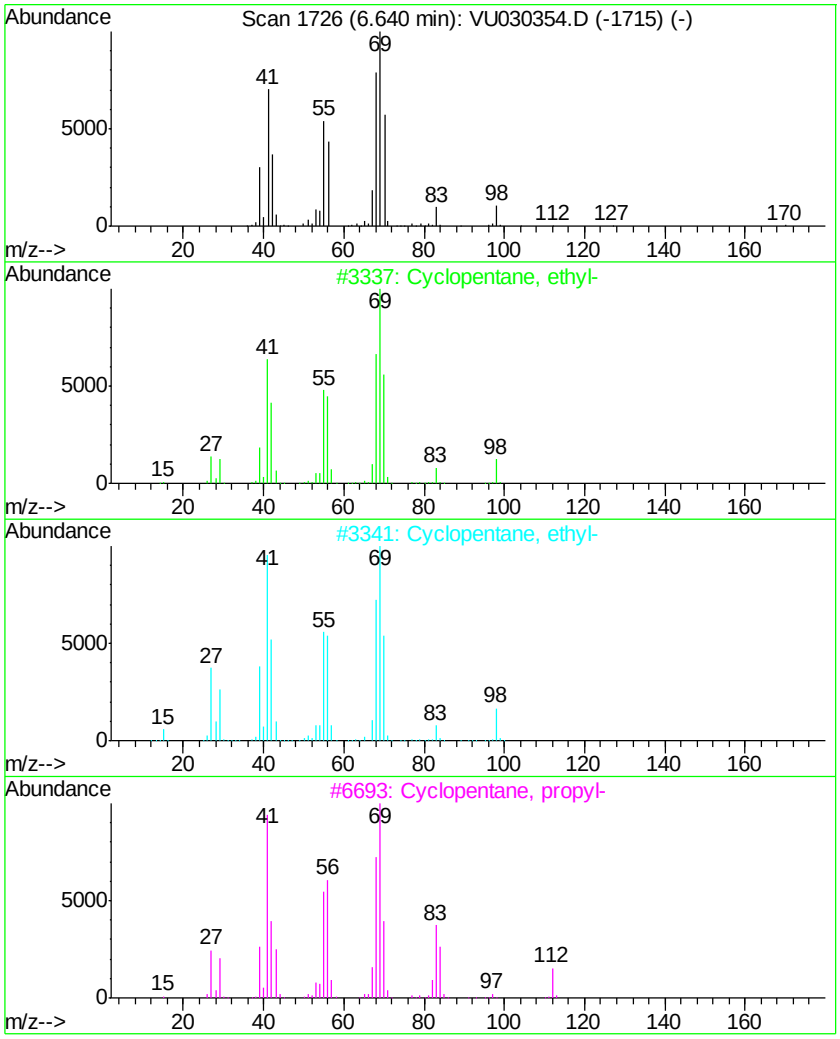
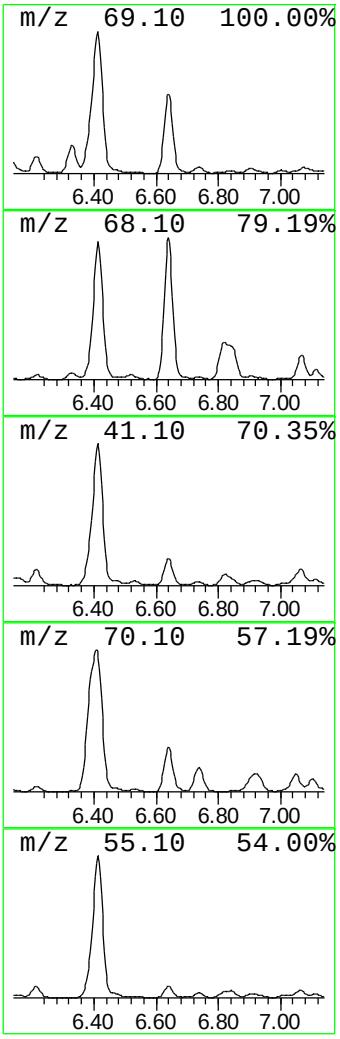
Peak Number 25 (DEL) Alkane: Cyclic6.64 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	50.85 ug/L	852194	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	80
3	Cyclopentane, propyl-	112	C8H16	002040-96-2	53
4	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	43
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

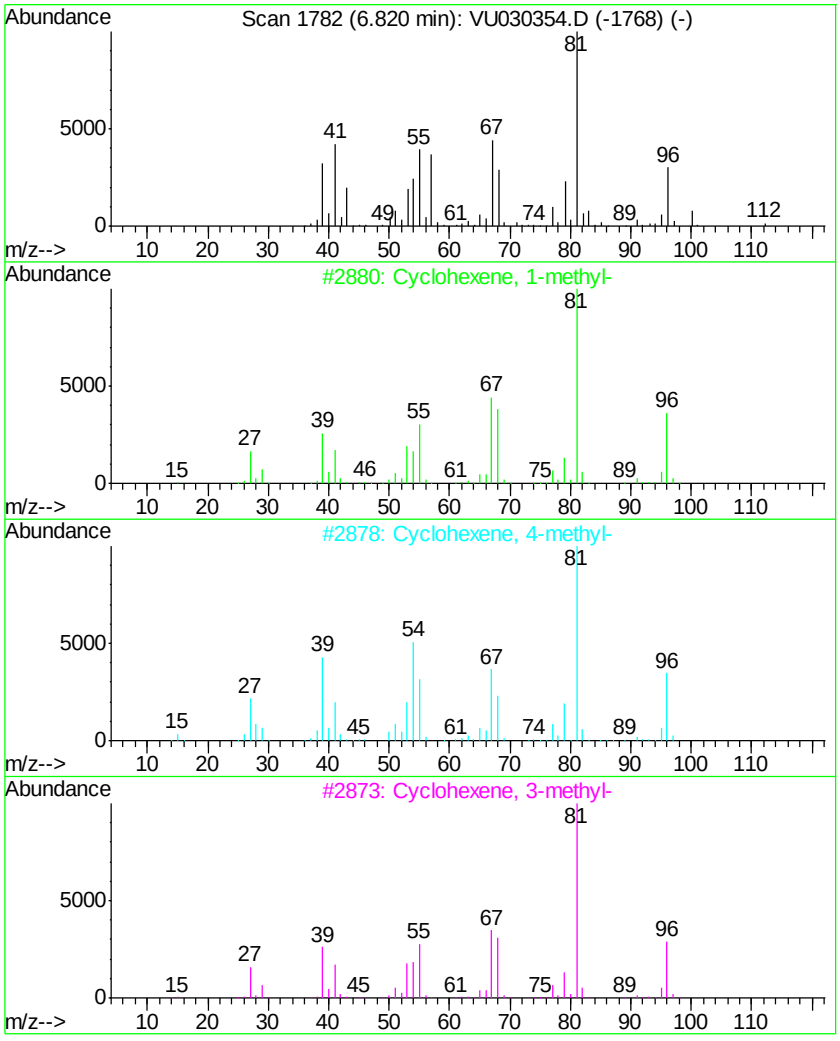
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

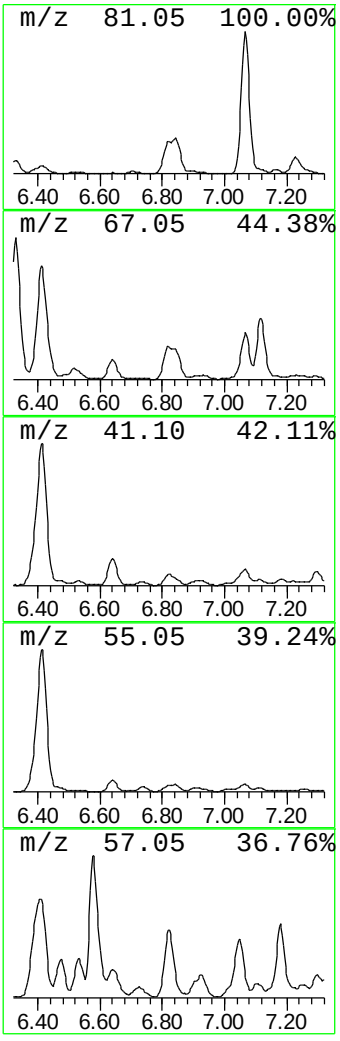
****

Peak Number 26 Cyclohexene, 1-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	31.44 ug/L	526948	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, 4-methyl-	96	C7H12	000591-47-9	93
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	90
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

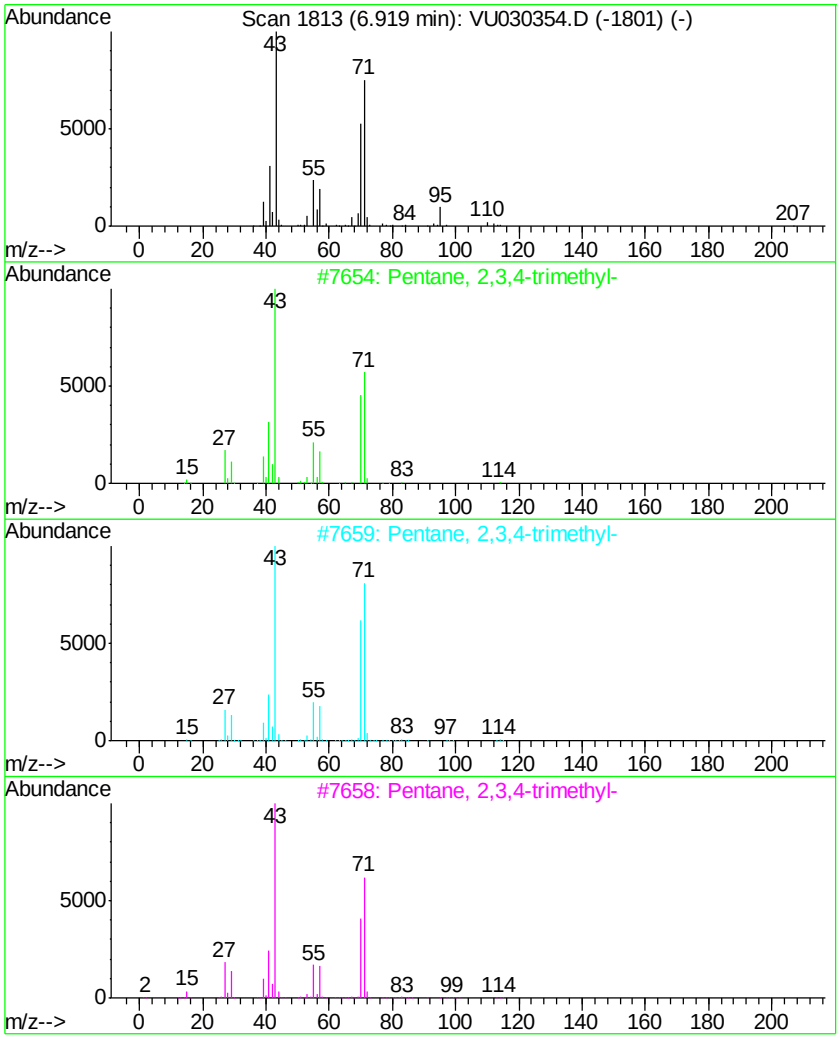
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

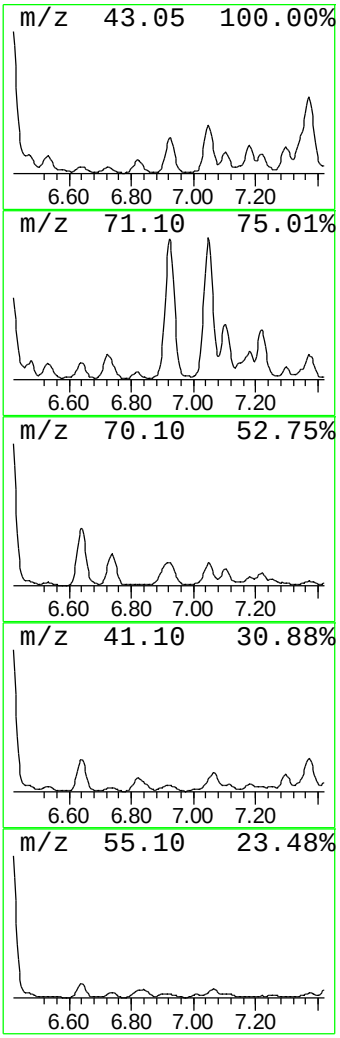
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	24.03 ug/L	402799	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	81
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	74
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	74
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	74
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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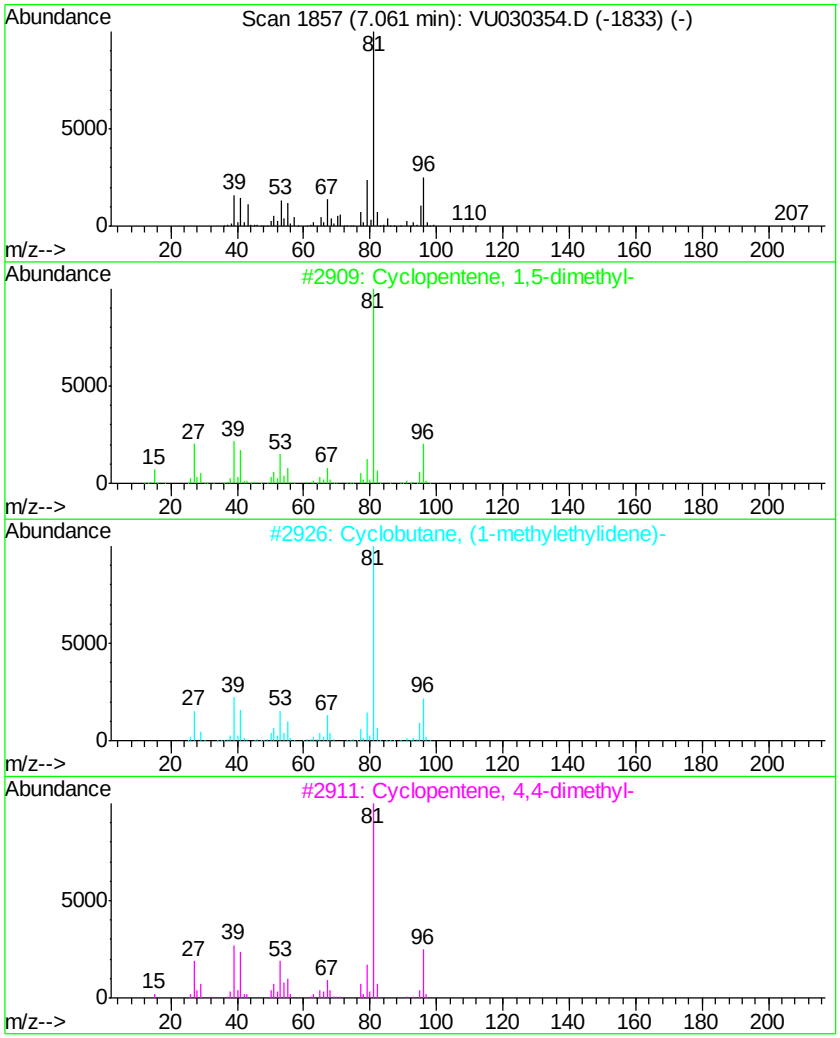
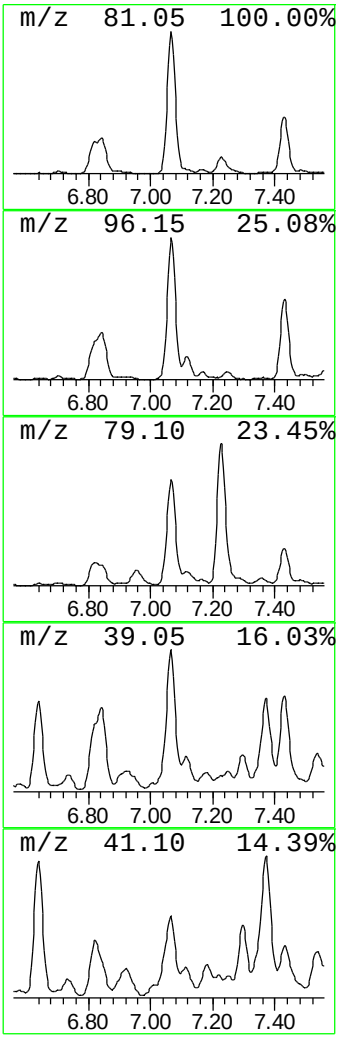
Peak Number 28 Cyclopentene, 1,5-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	103.19 ug/L	1729380	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	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	87
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	86
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	72





Library Search Compound Report

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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

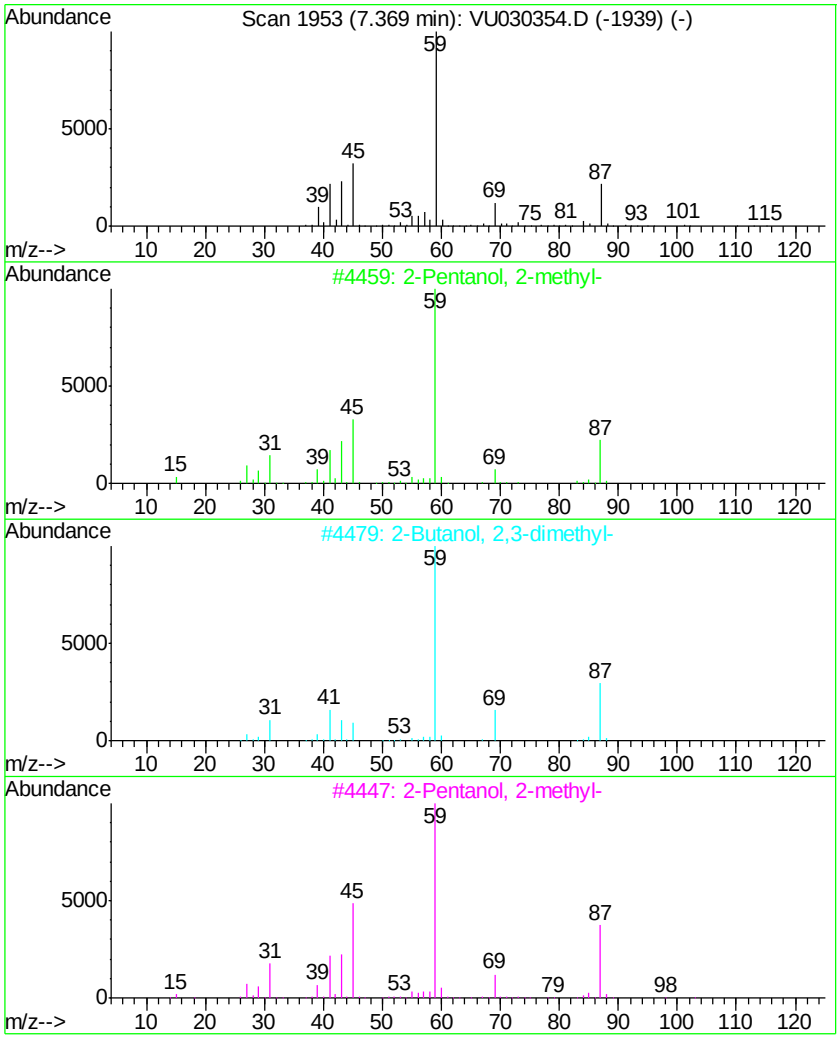
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

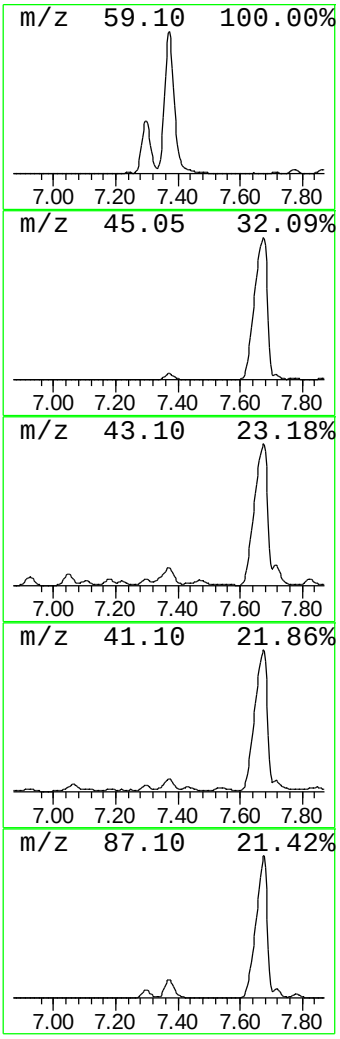
****

Peak Number 30 2-Pentanol, 2-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	77.63 ug/L	1301090	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	83
2	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	72
3	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	64
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	64
5	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	59





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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

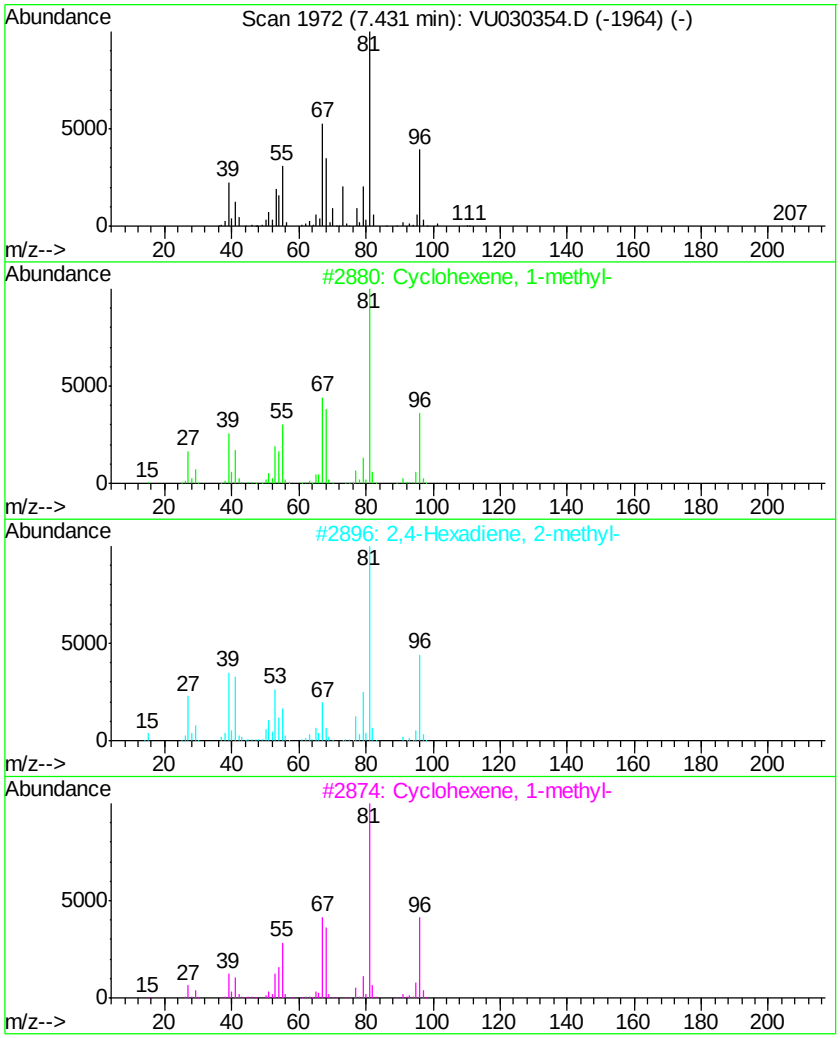
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

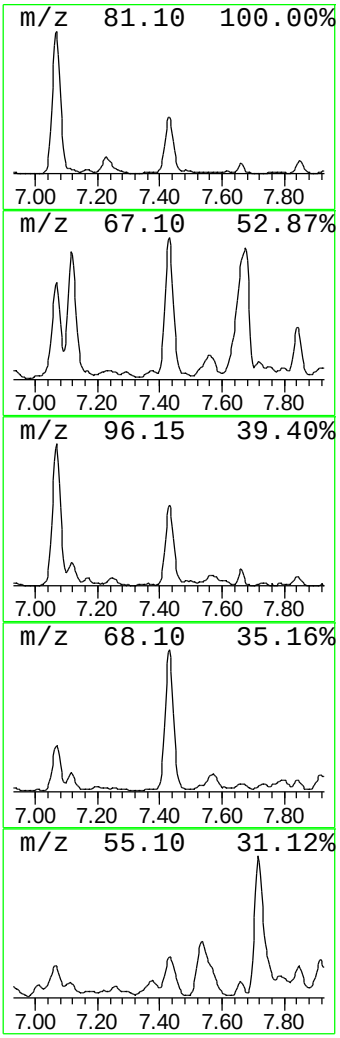
****

Peak Number 31 2,4-Hexadiene, 2-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	58.32 ug/L	977330	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	94
2	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	91
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	76
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	70





Library Search Compound Report

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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

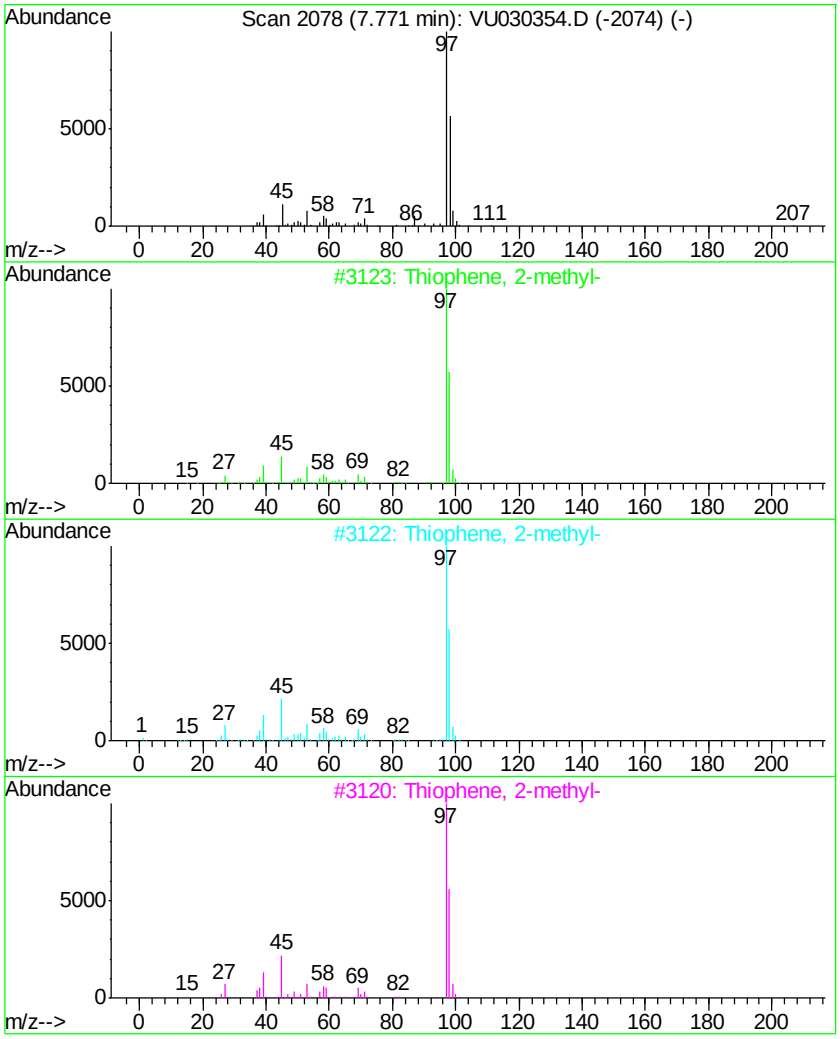
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

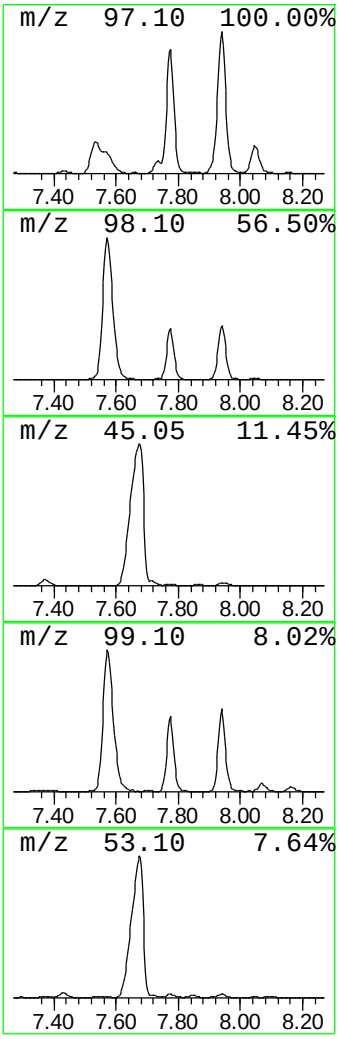
****

Peak Number 32 Thiophene, 2-methyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	27.00 ug/L	634084	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	87





Library Search Compound Report

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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

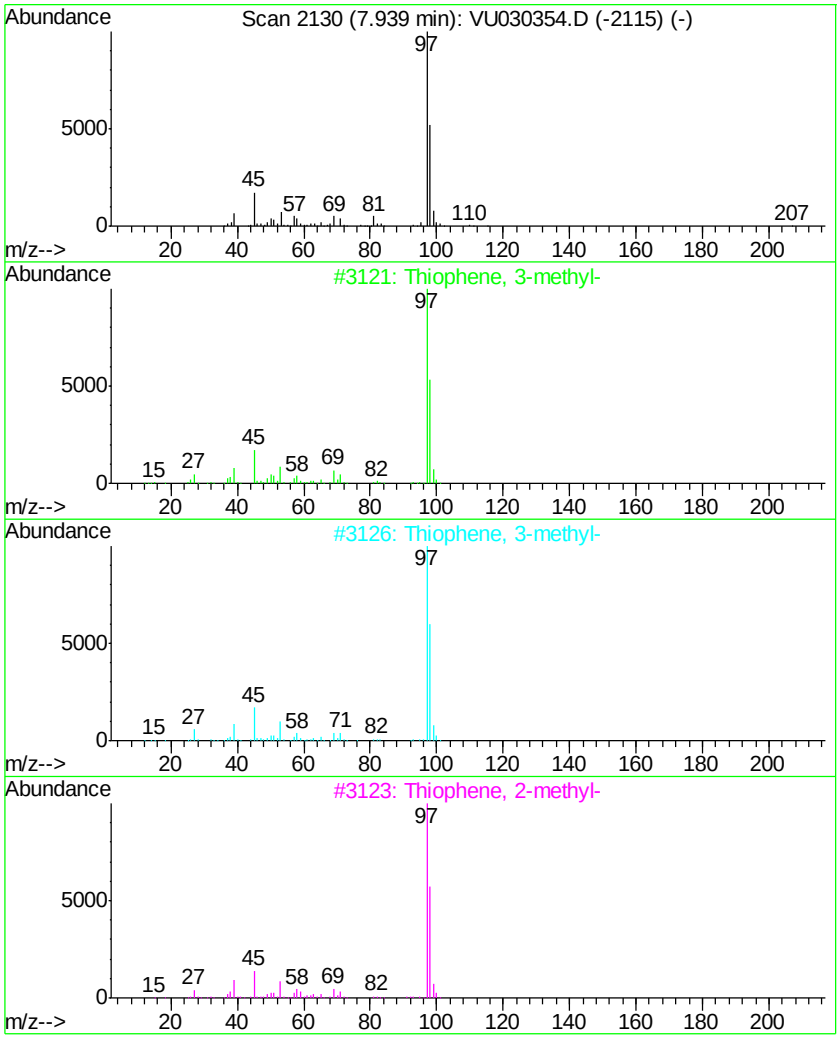
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

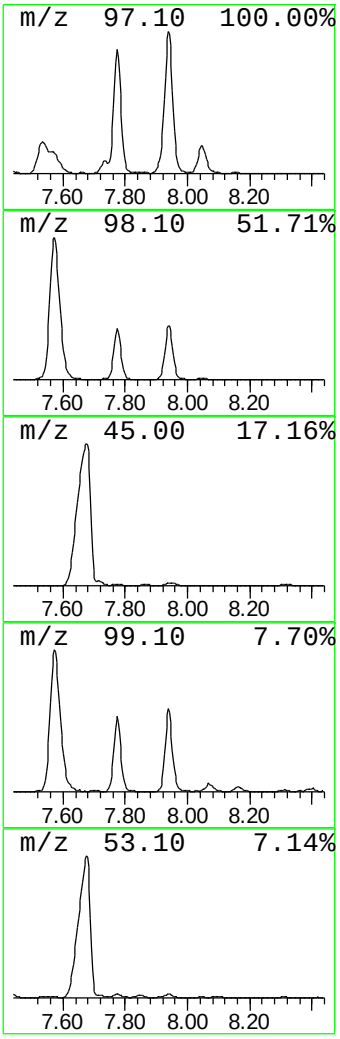
****

Peak Number 33 Thiophene, 3-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	50.25 ug/L	1180040	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	97
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	95
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	86





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Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

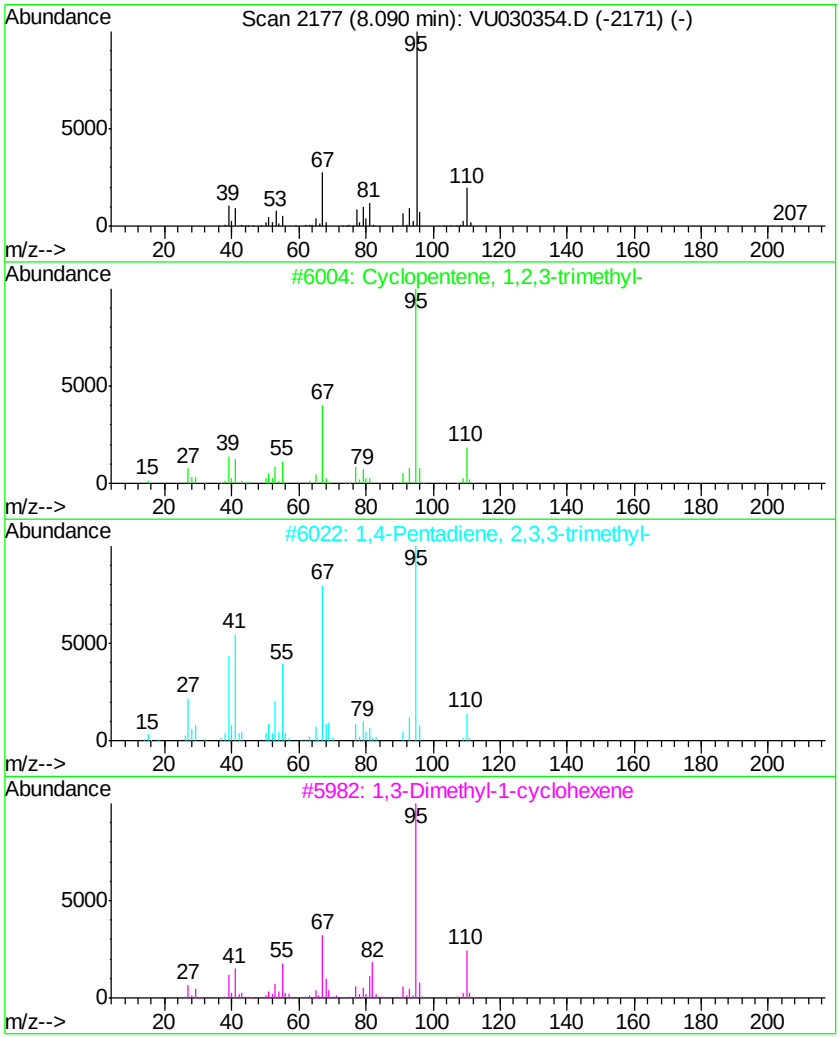
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

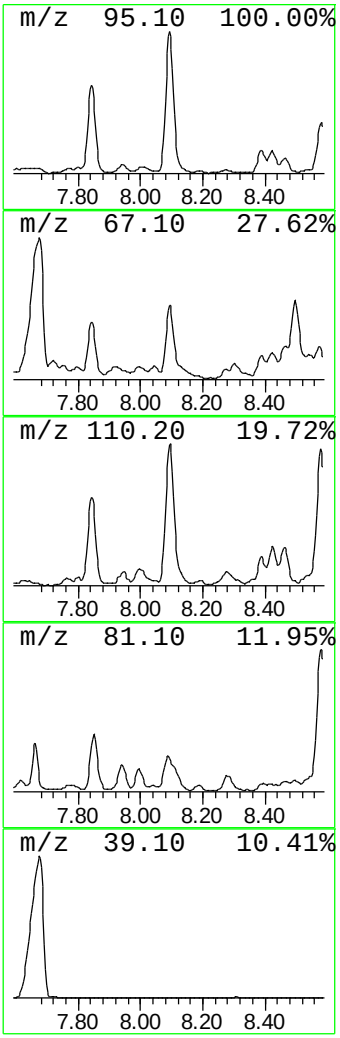
****

Peak Number 34 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	15.56 ug/L	365406	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	90
2	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	86
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	86
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	86
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

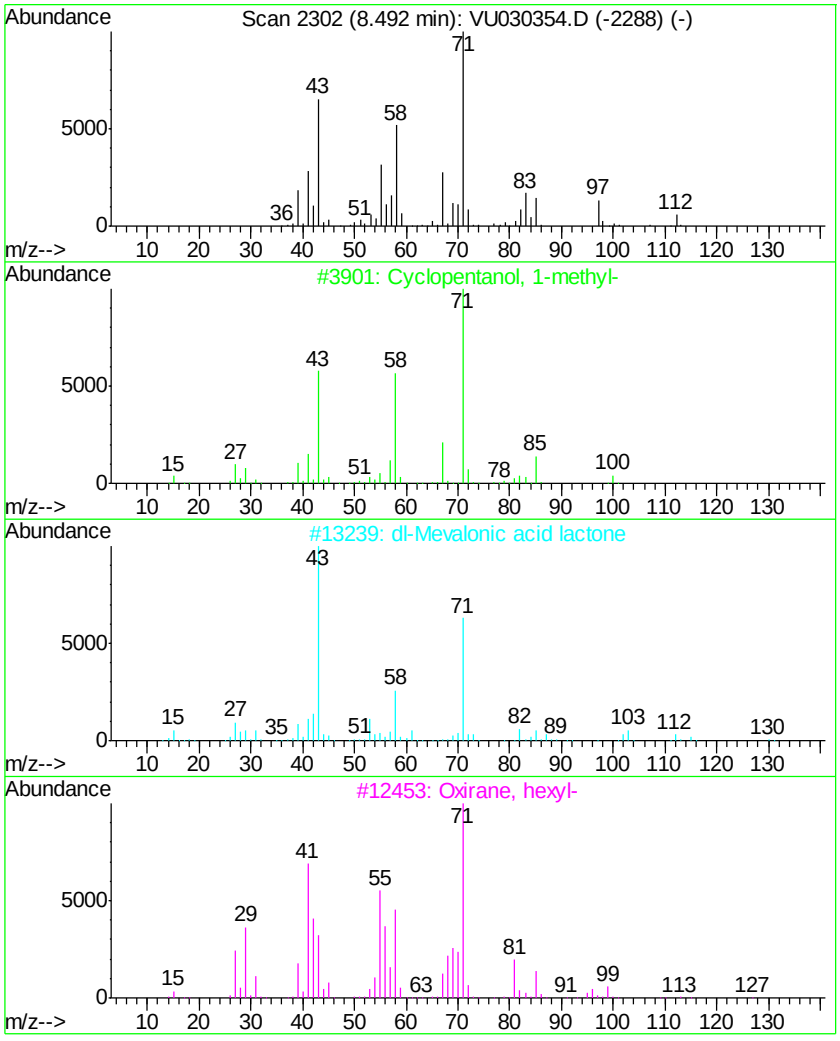
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

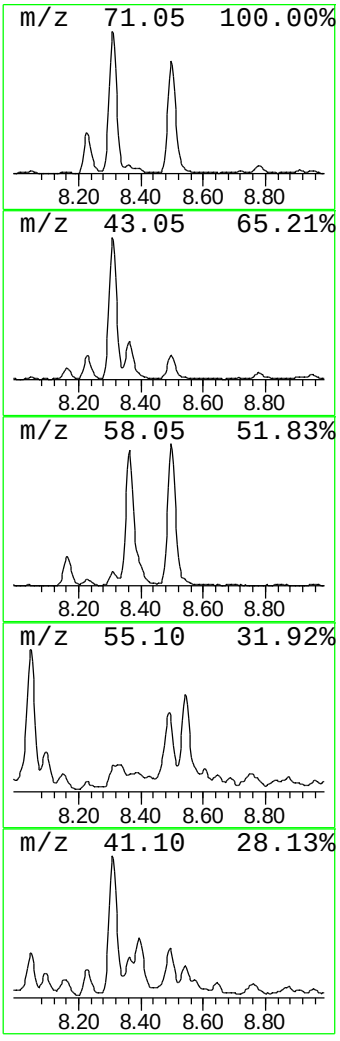
****

Peak Number 35 Cyclopentanol, 1-methyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	28.73 ug/L	674715	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	56
2	dl-Mevalonic acid lactone	130	C6H10O3	000674-26-0	53
3	Oxirane, hexyl-	128	C8H16O	002984-50-1	50
4	Oxirane, hexyl-	128	C8H16O	002984-50-1	50
5	Oxirane, pentyl-	114	C7H14O	005063-65-0	50





Library Search Compound Report

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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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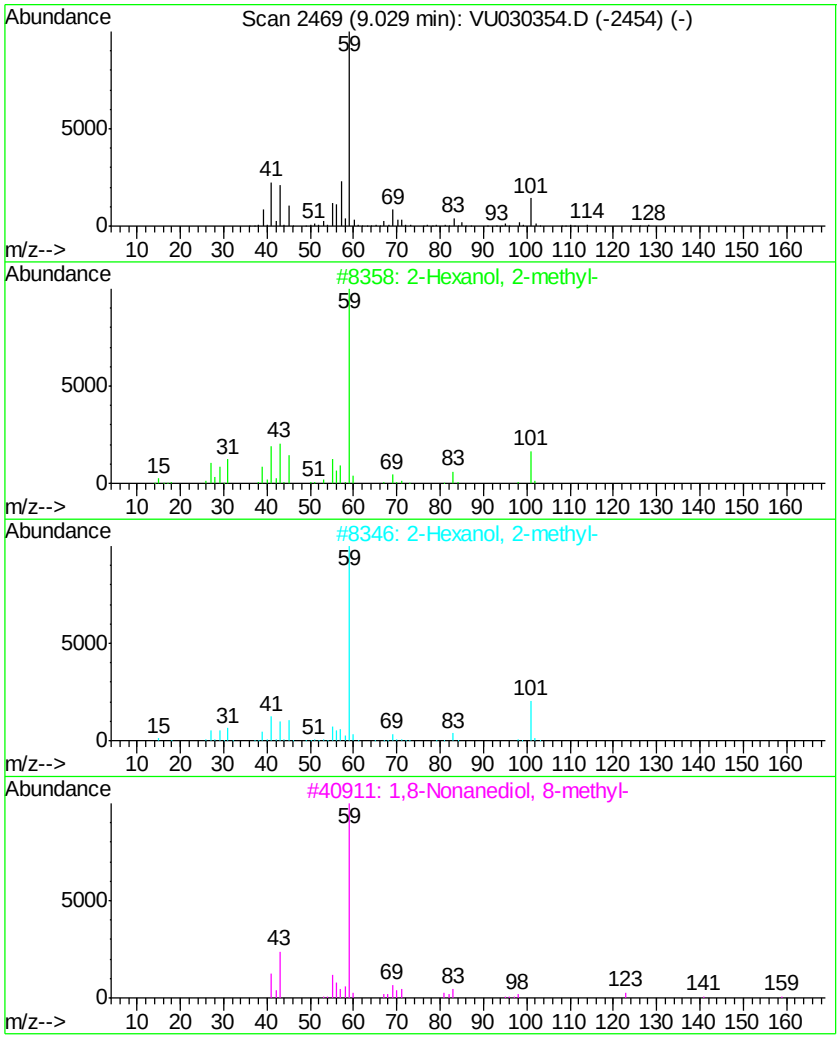
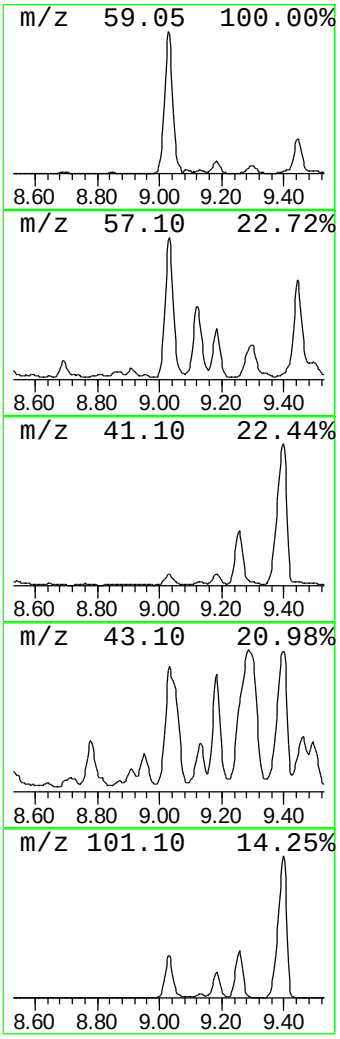
Peak Number 36 2-Hexanol, 2-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	38.35 ug/L	900520	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	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	72
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	59
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	56
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	50





Library Search Compound Report

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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

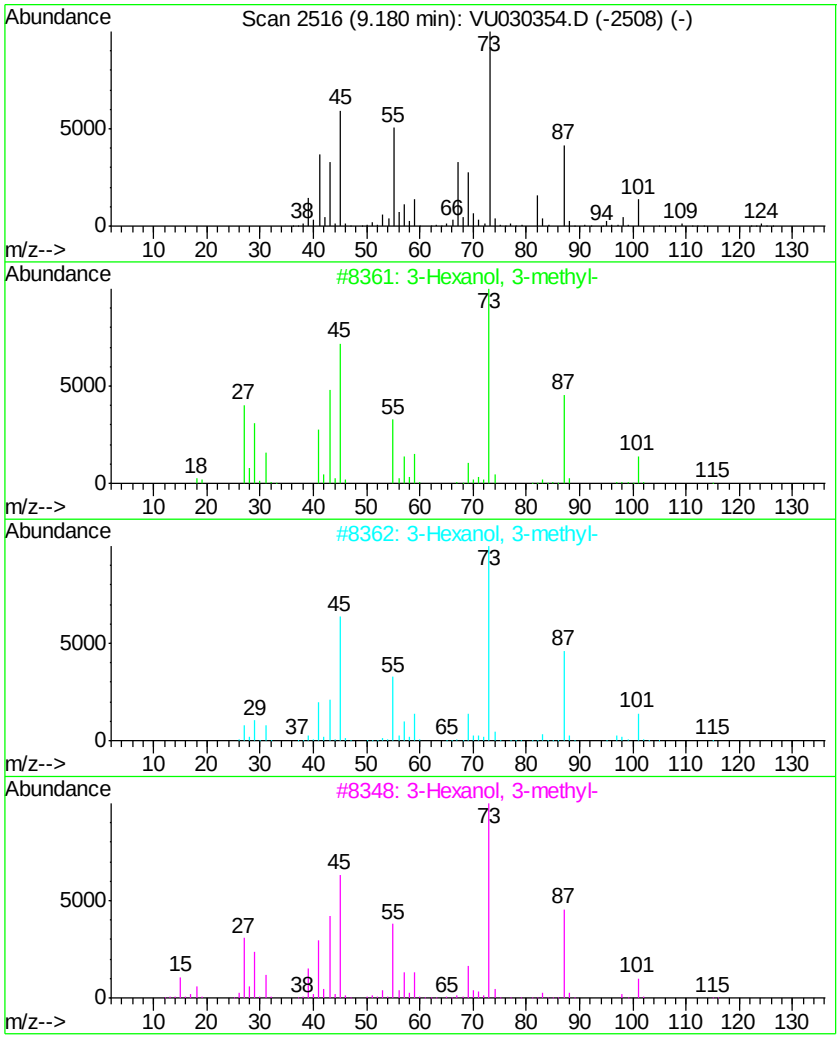
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

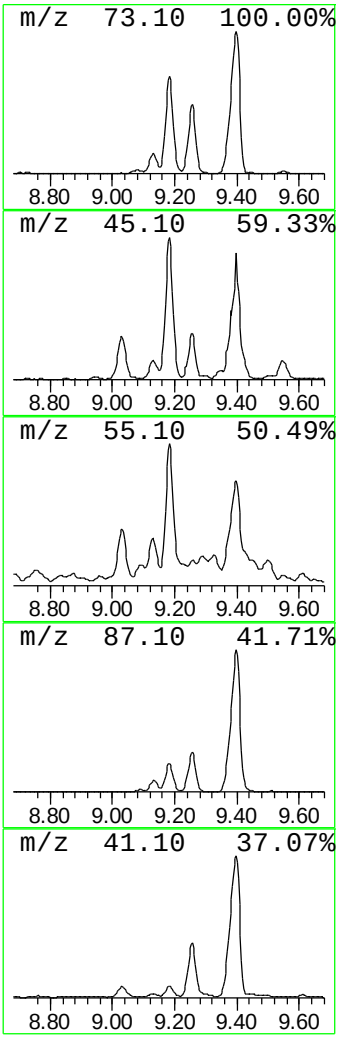
****

Peak Number 37 3-Hexanol, 3-methyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	31.89 ug/L	748928	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	64
2	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	59
3	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	59
4	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	47
5	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	47





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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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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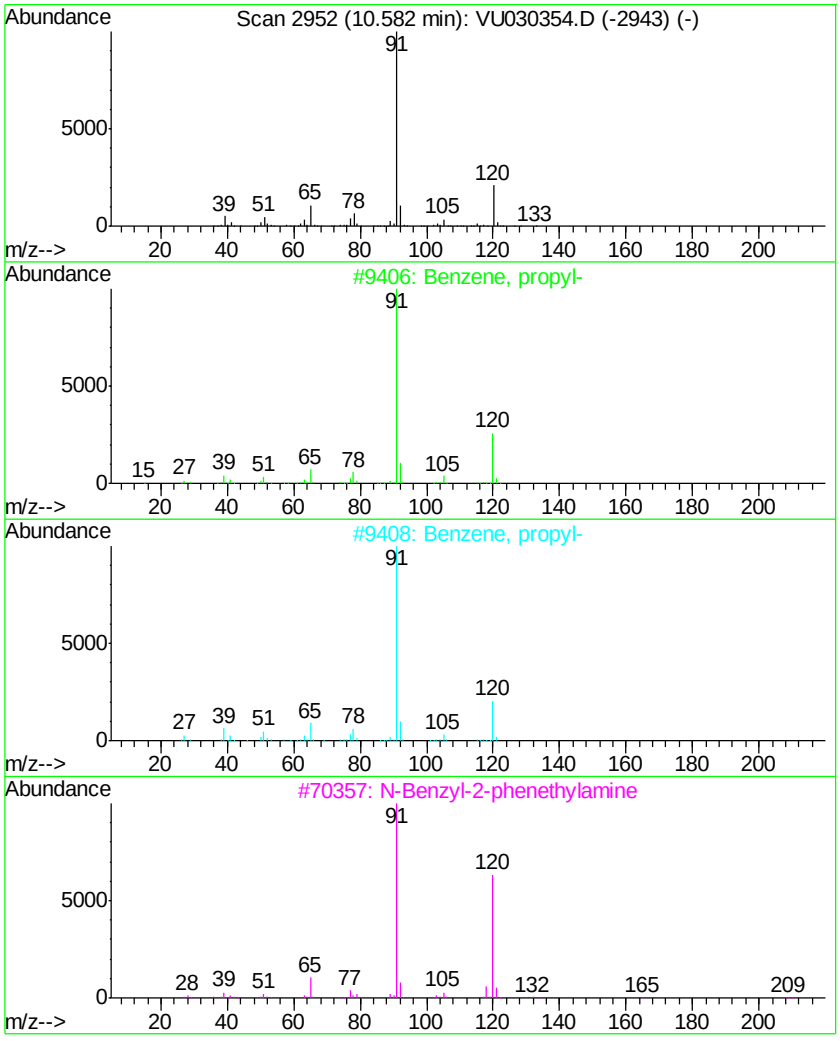
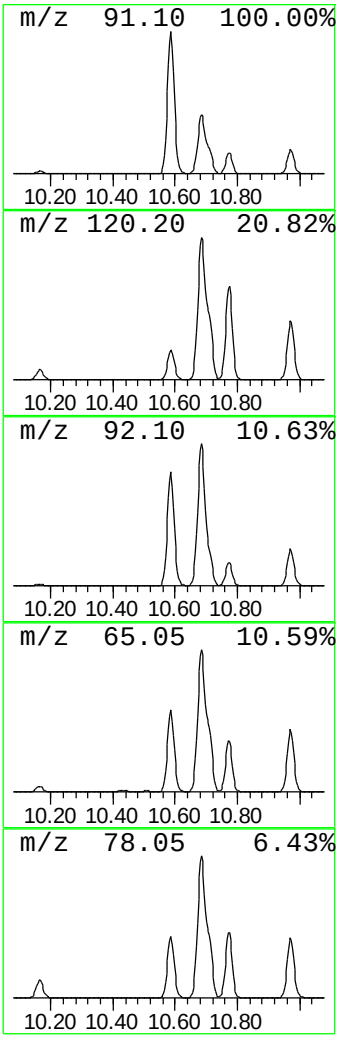
Peak Number 38 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	305.06 ug/L	11111300	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	78
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72





Library Search Compound Report

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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

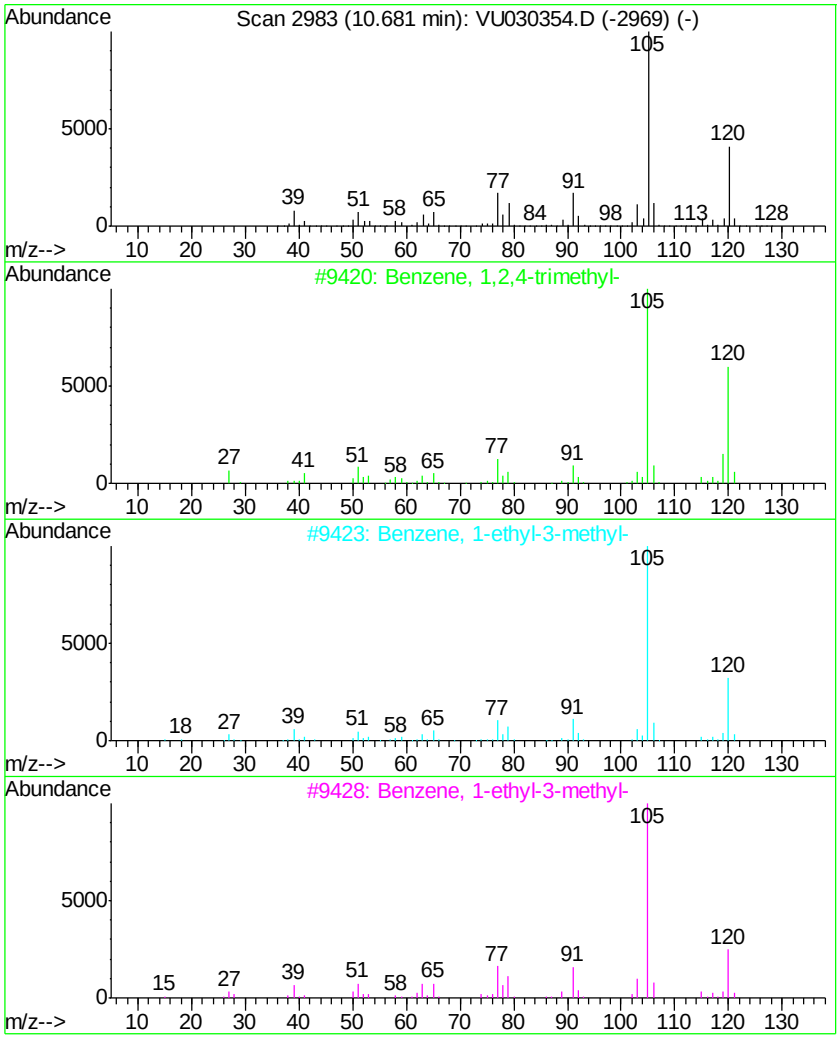
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

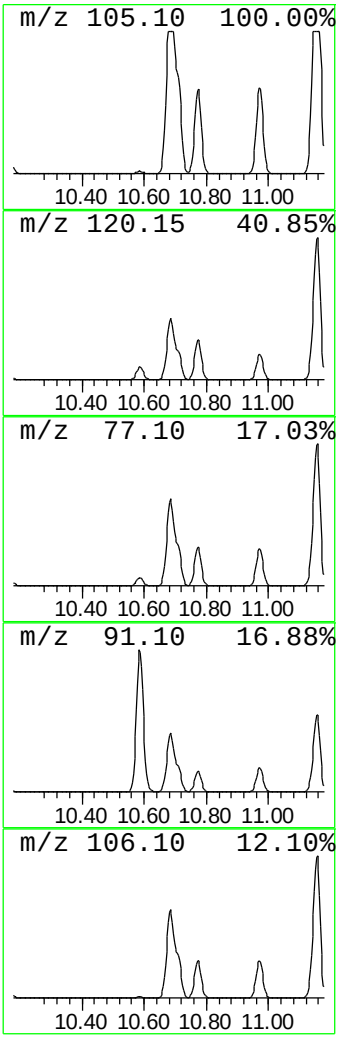
****

Peak Number 39 Benzene, 1,2,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	1790.99 ug/L	65235200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

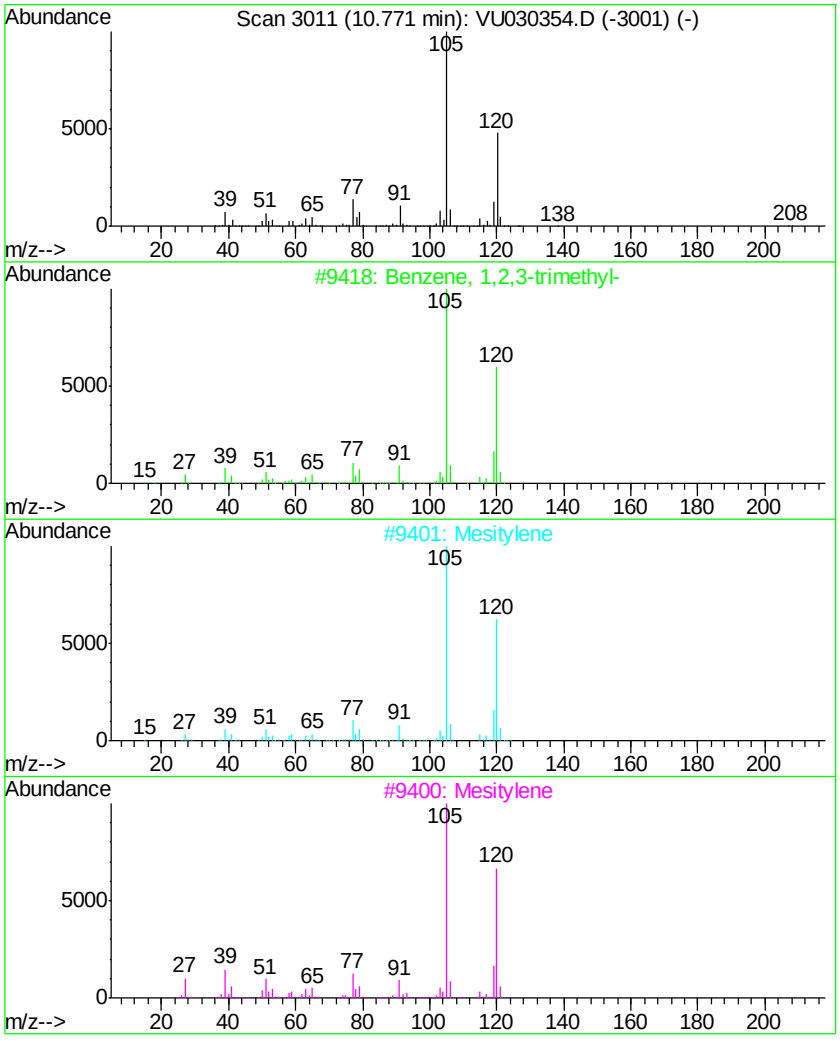
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

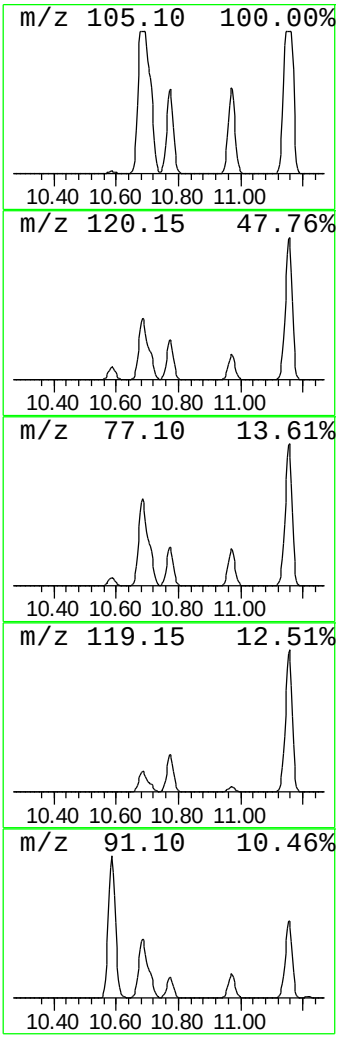
****

Peak Number 40 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	595.01 ug/L	21672500	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	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

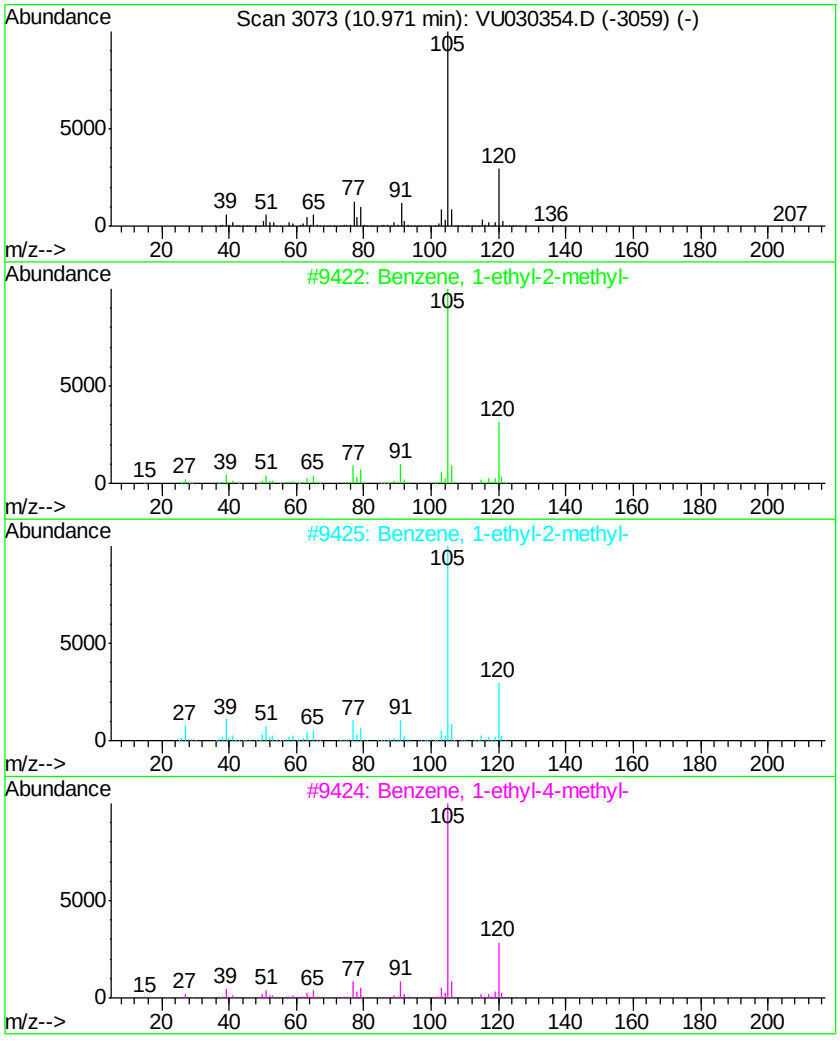
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

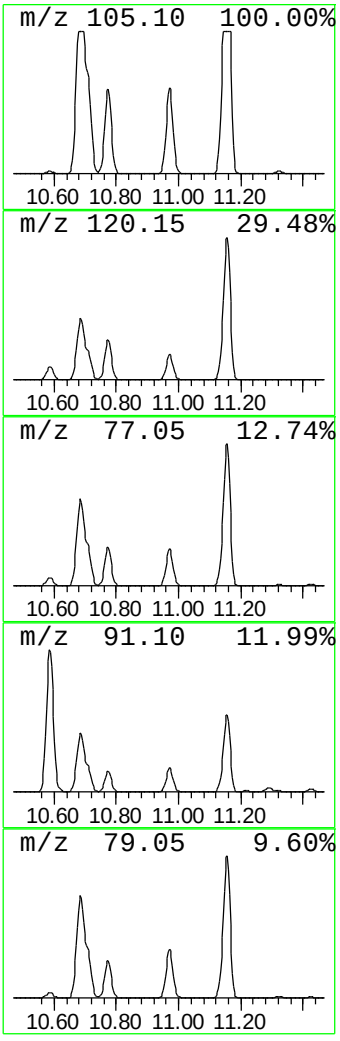
****

Peak Number 41 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	546.07 ug/L	19889900	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	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

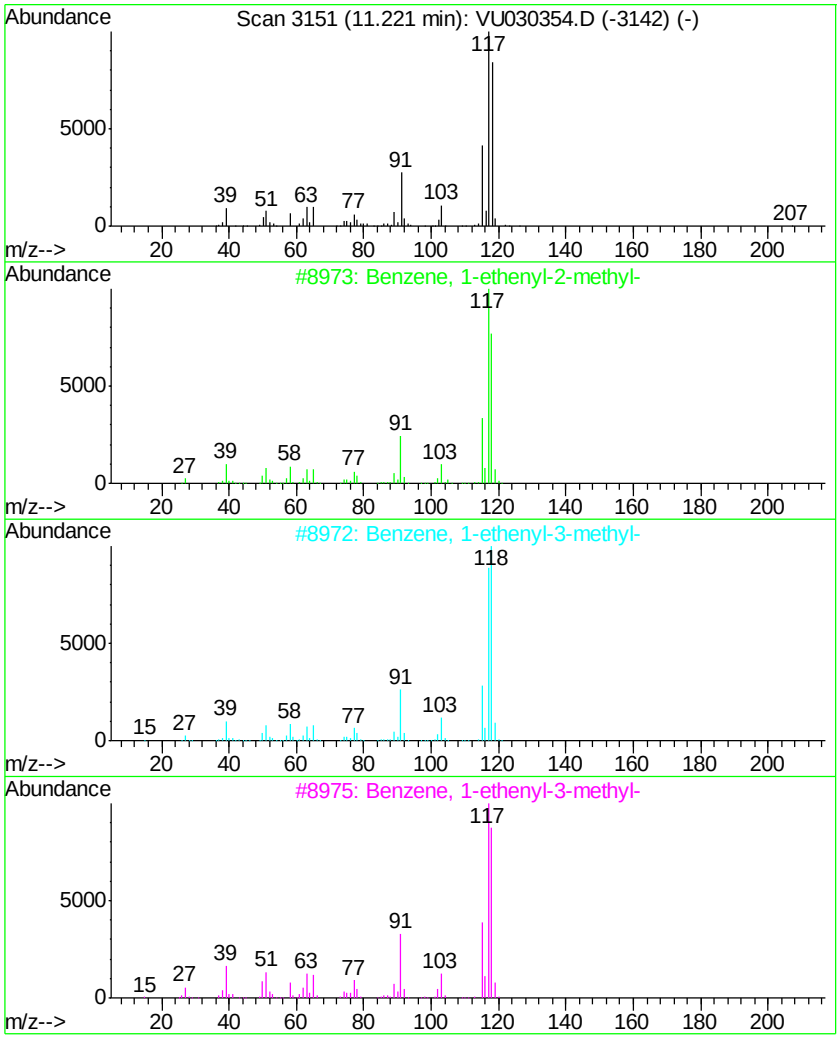
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

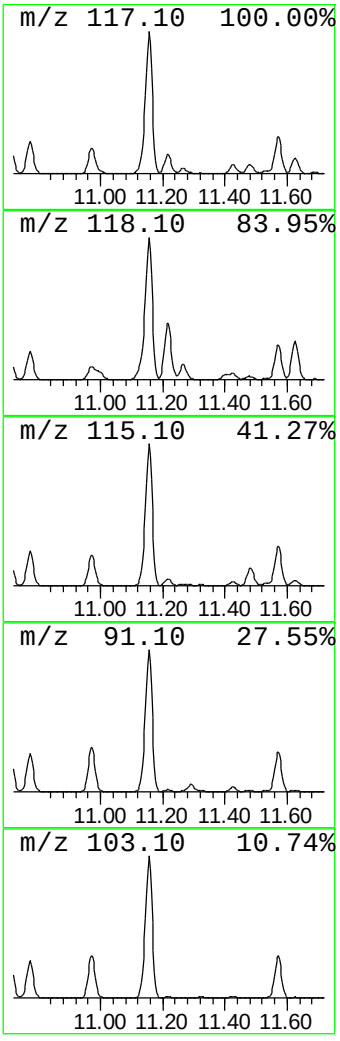
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1-ethenyl-2-methyl- Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	15.74 ug/L	573410	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-3-methyl-	118	C9H10	000100-80-1	90
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	90
4	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	90
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

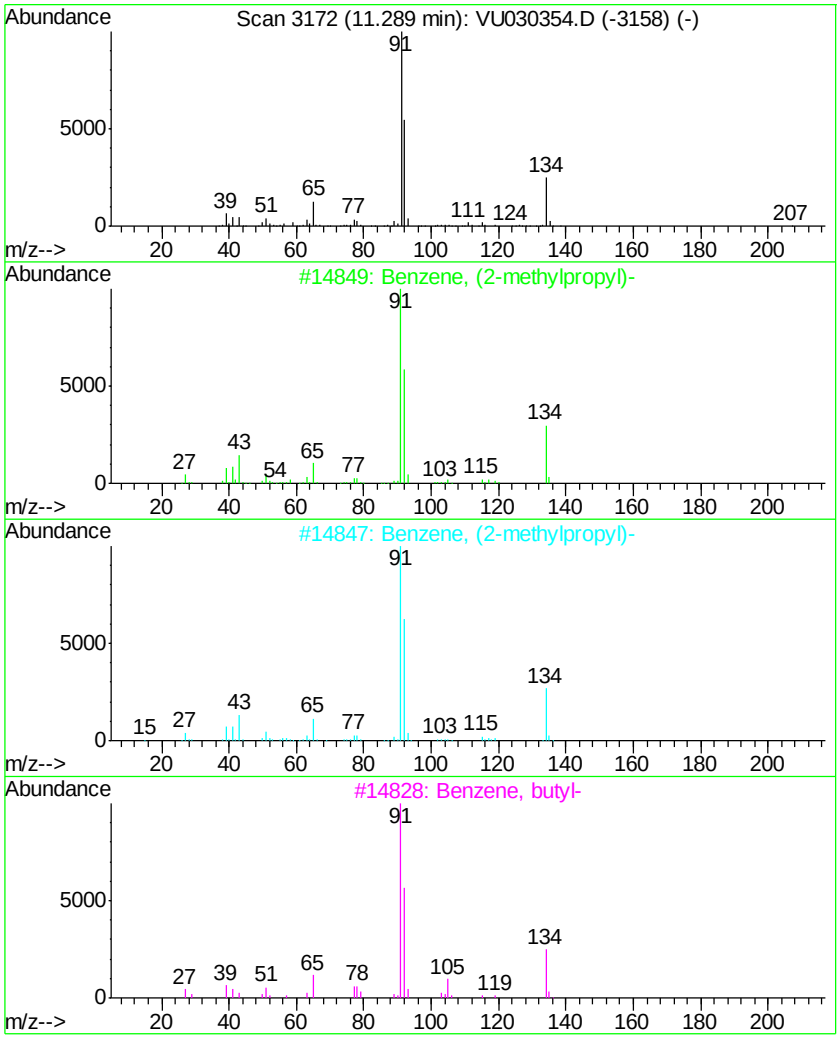
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

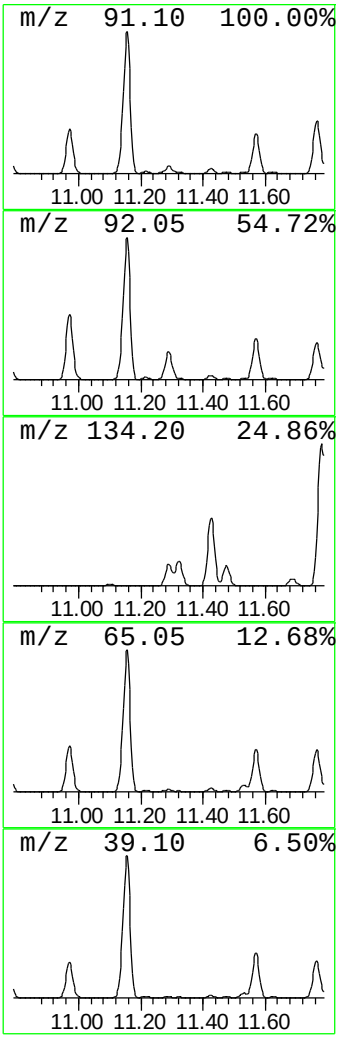
****

Peak Number 44 Benzene, (2-methylpropyl)- Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	16.18 ug/L	589377	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	90
5	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

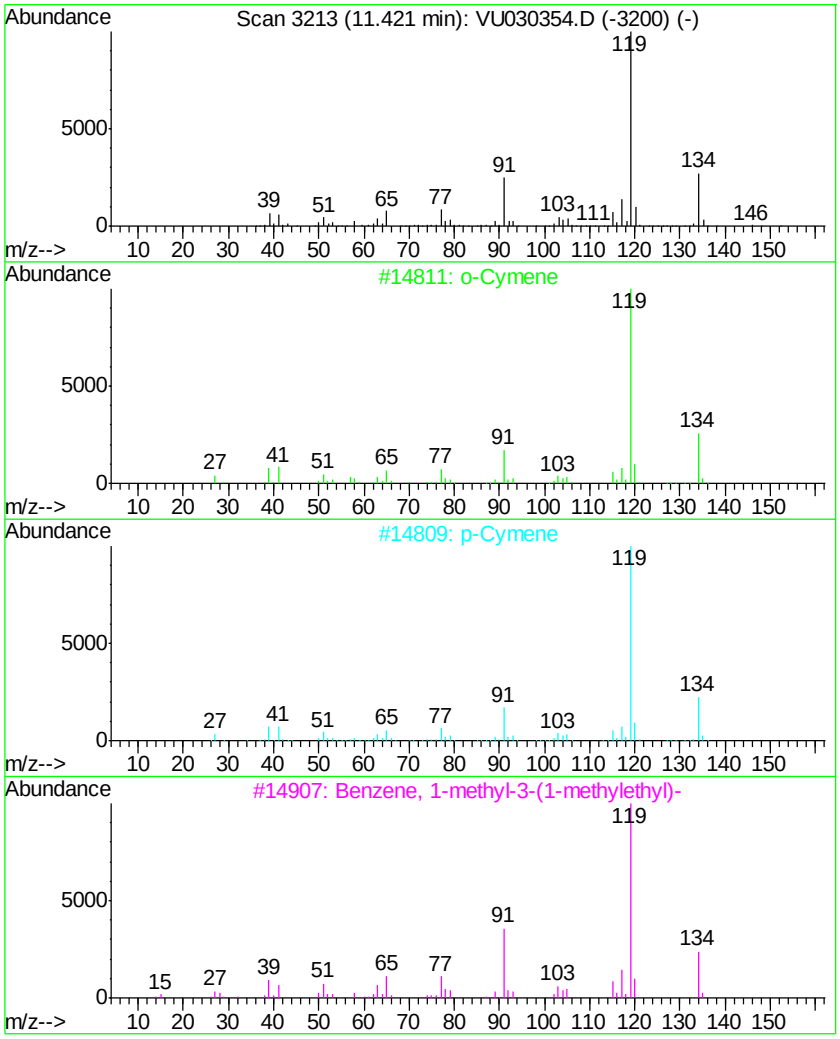
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

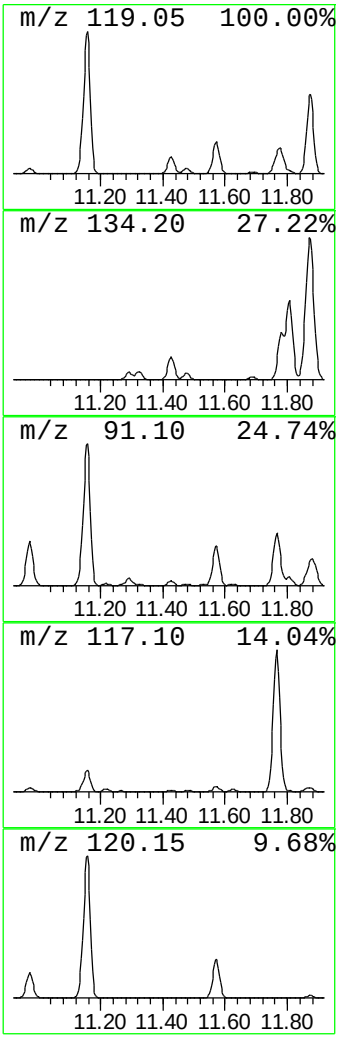
****

Peak Number 46 o-Cymene Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	34.30 ug/L	1249300	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

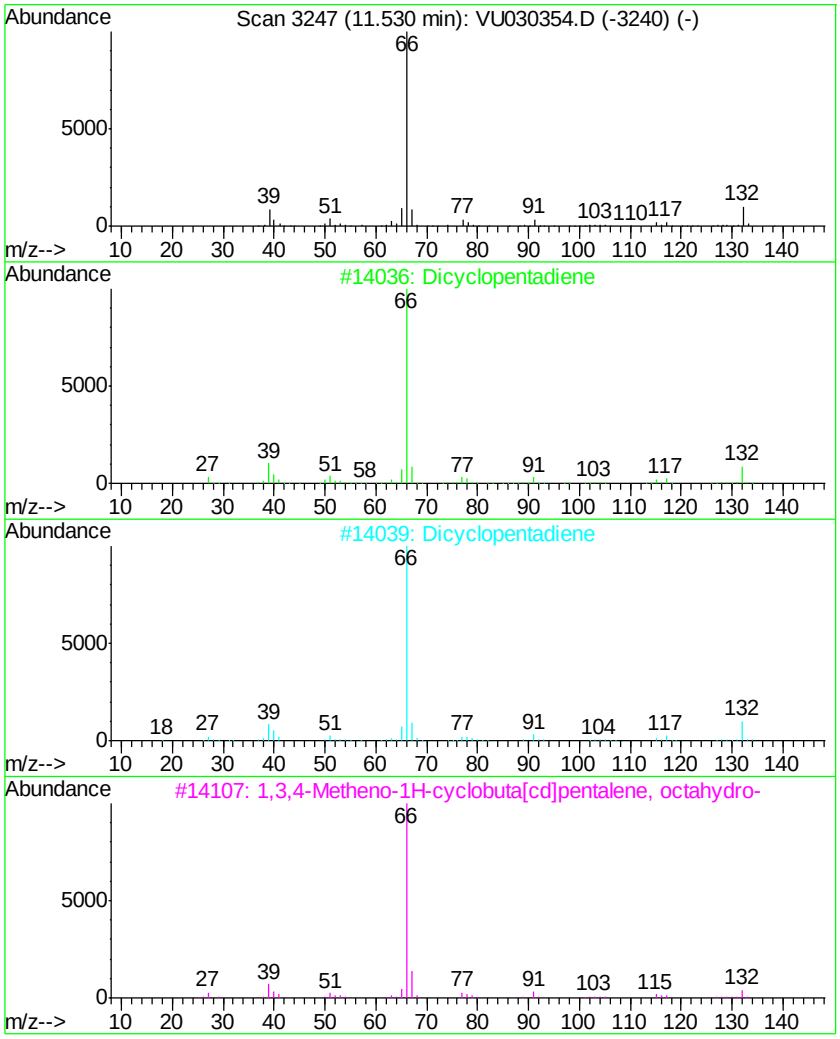
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

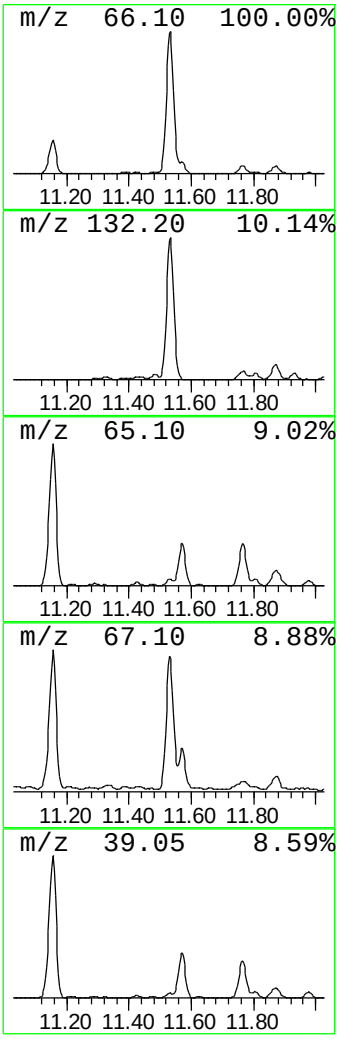
****

Peak Number 47 Dicyclopentadiene Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	31.77 ug/L	1157050	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-2-ene, 5-ethe...	120	C9H12	003048-64-4	83
5	Bicyclo[2.2.1]hept-2-ene, 5,6-bi...	190	C9H12Cl2	005992-56-3	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

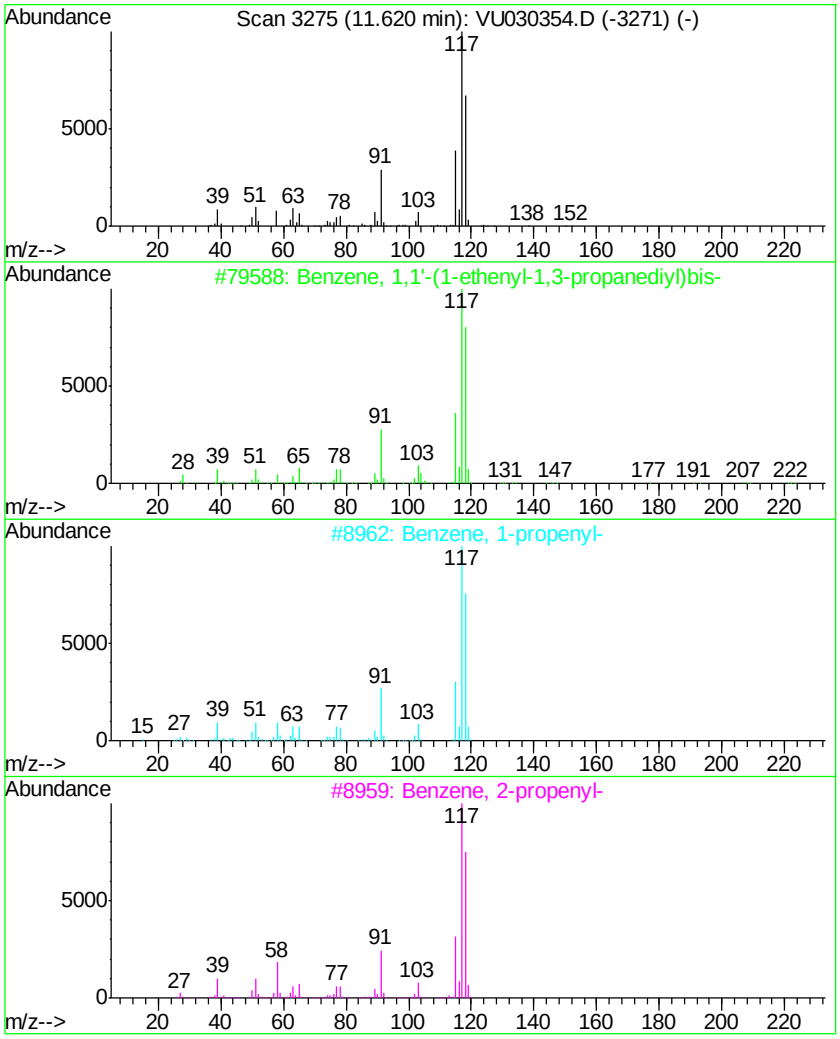
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

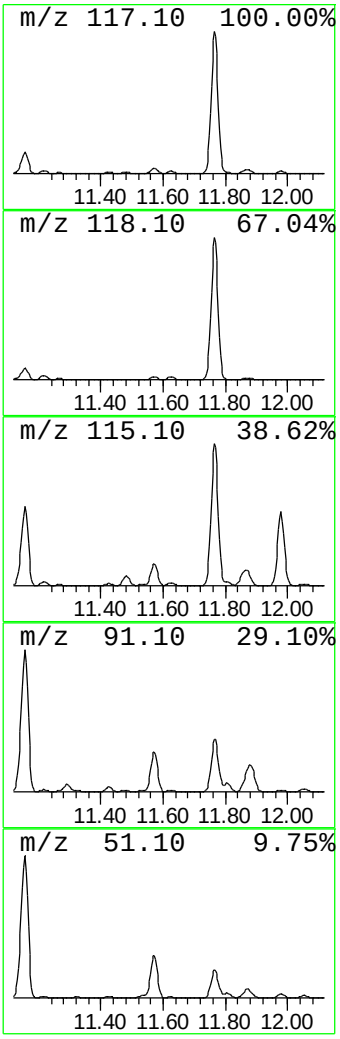
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1,1'-(1-ethenyl-1,... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	11.69 ug/L	425864	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	78
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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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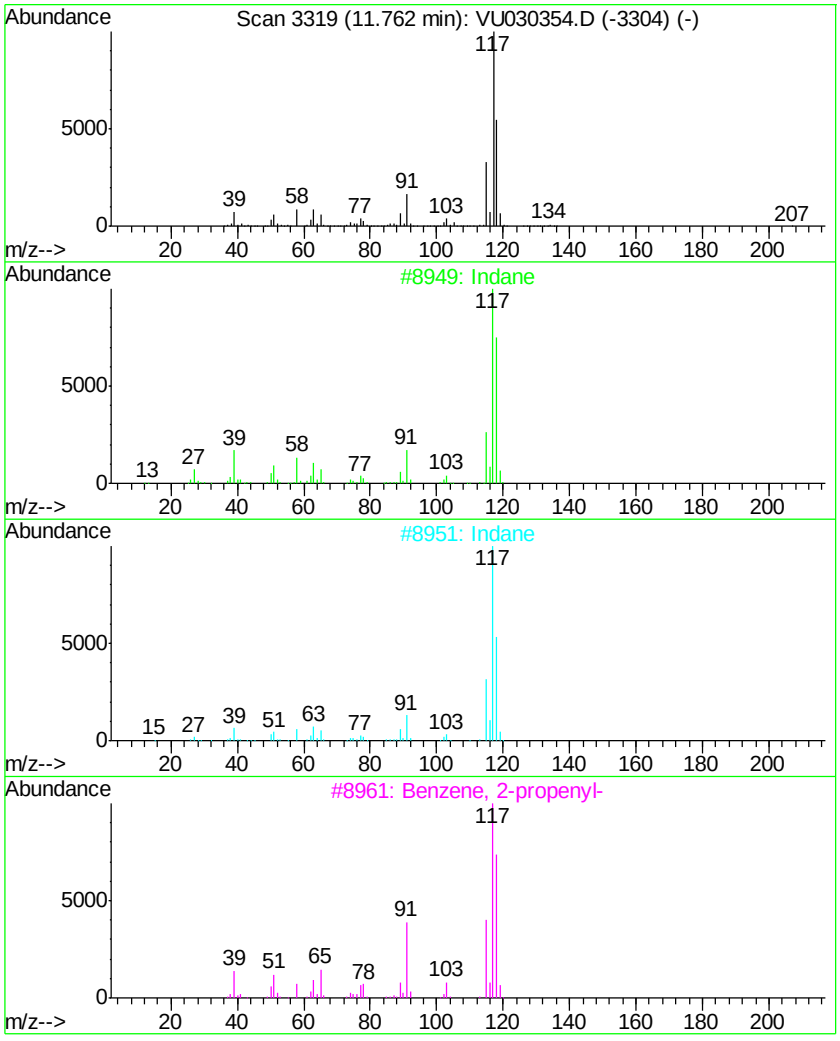
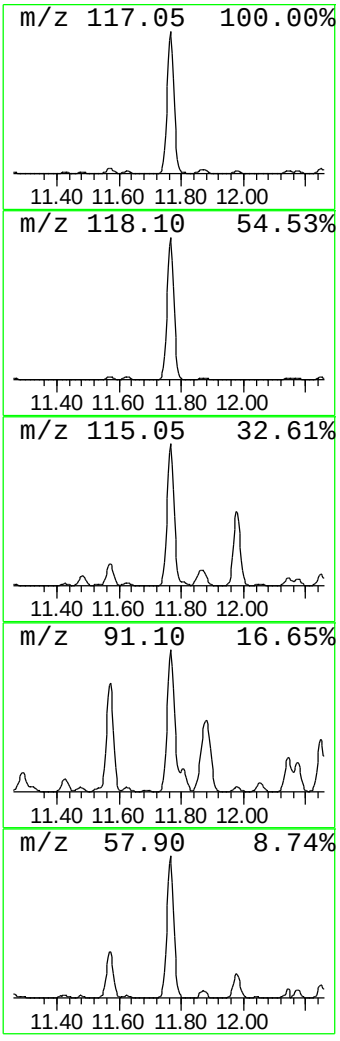
Peak Number 50 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	619.51 ug/L	22564900	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	90
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
5	Indane	118	C9H10	000496-11-7	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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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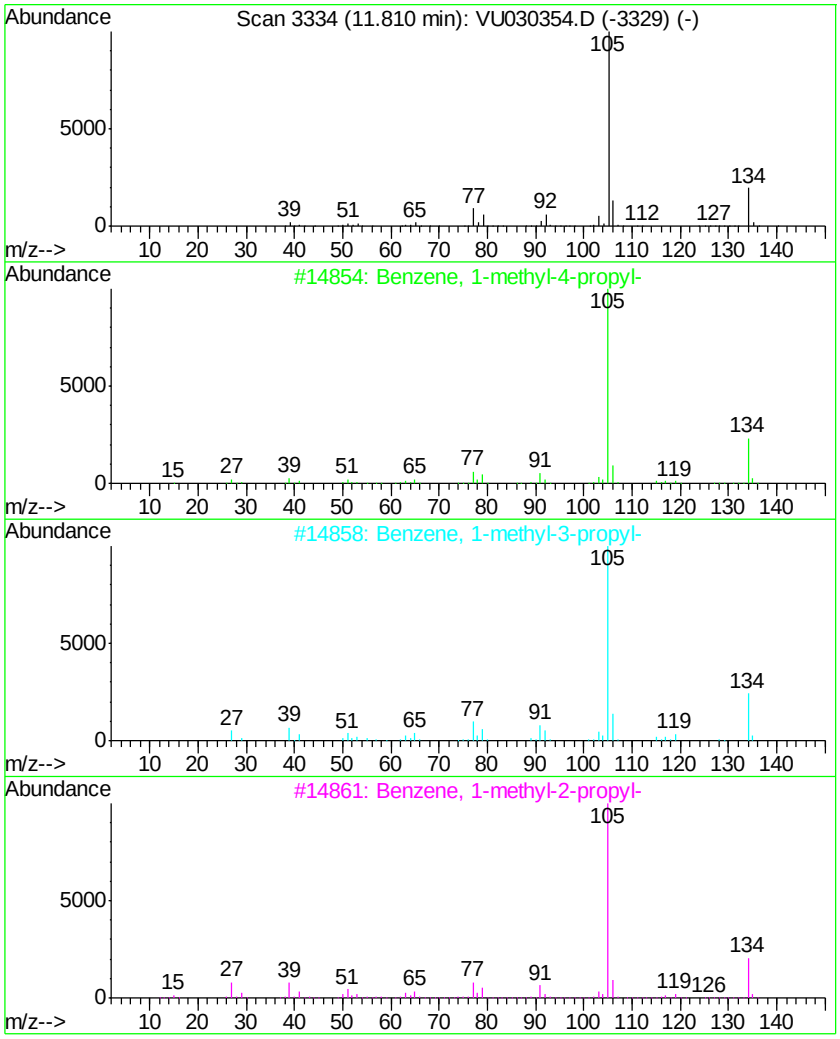
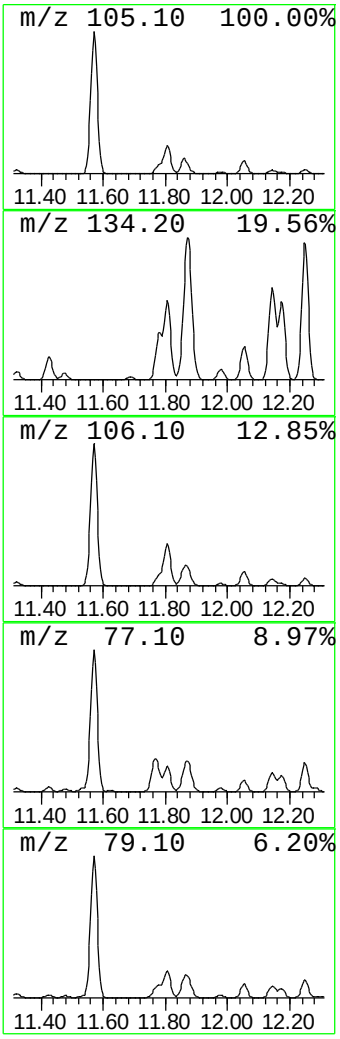
Peak Number 51 Benzene, 1-methyl-4-propyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	96.23 ug/L	3505160	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	91
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86





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Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

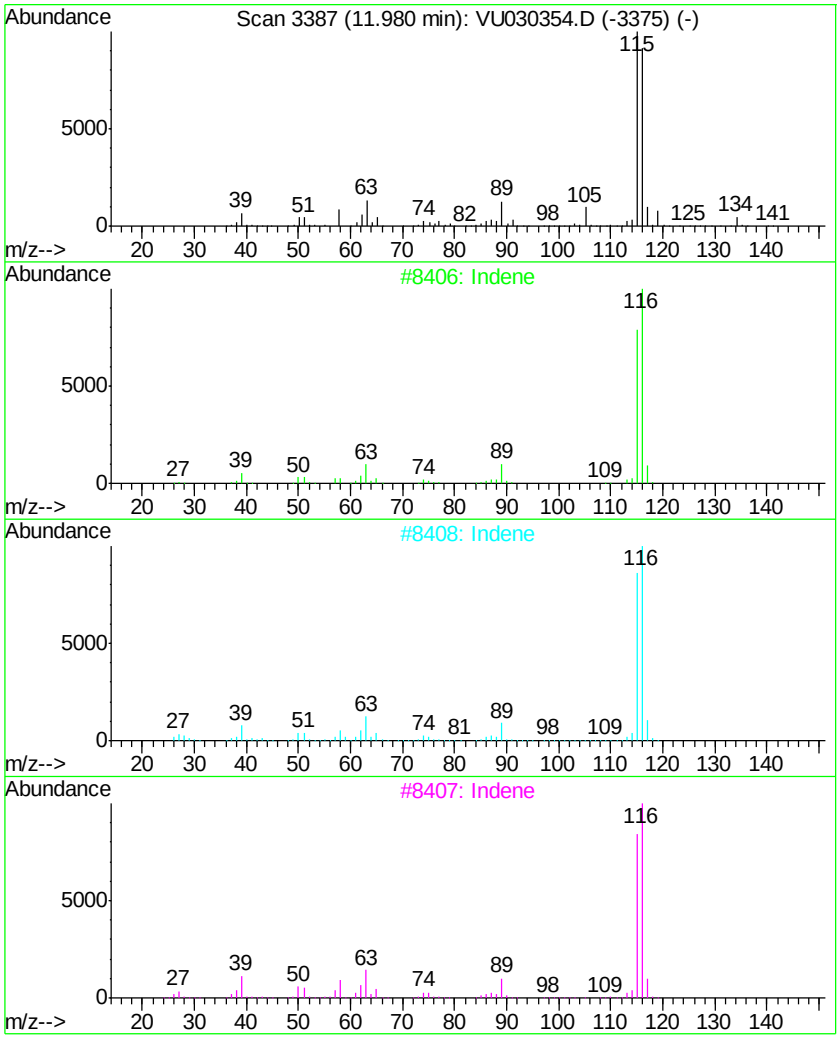
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

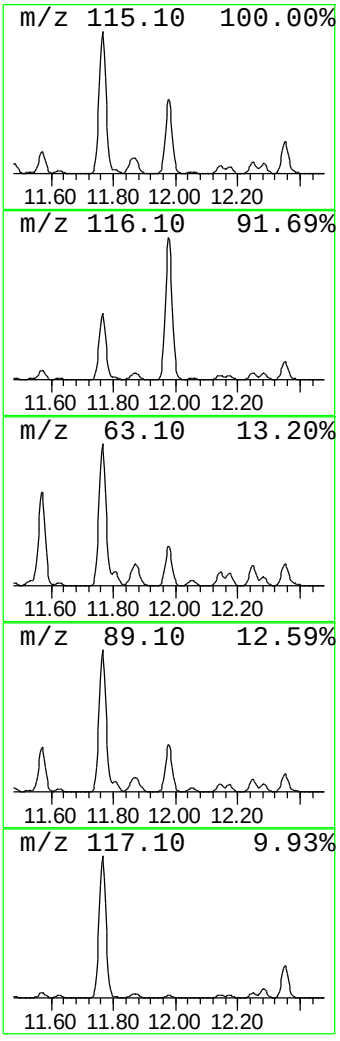
****

Peak Number 52 Indene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	102.61 ug/L	3737490	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	94
3	Indene	116	C9H8	000095-13-6	93
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	93
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

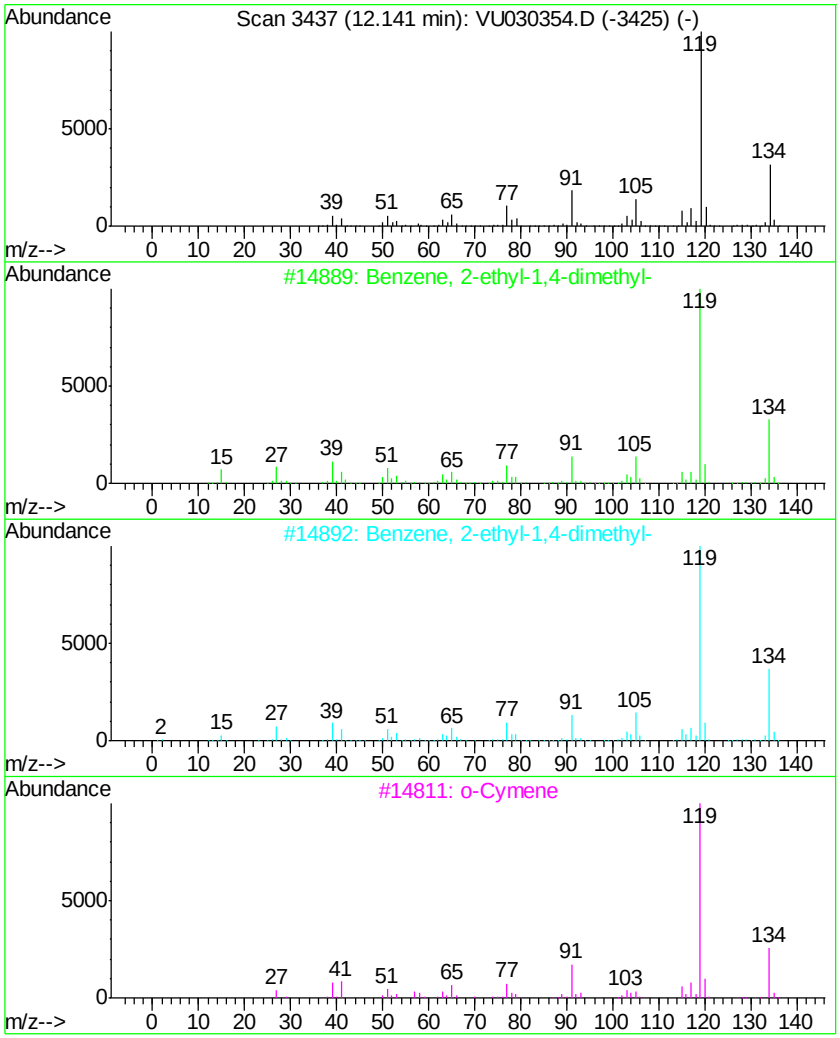
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

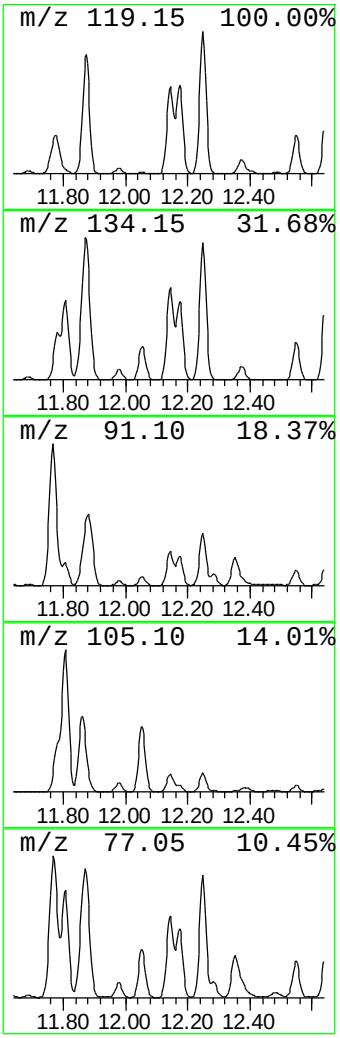
****

Peak Number 54 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	121.94 ug/L	4441420	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	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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

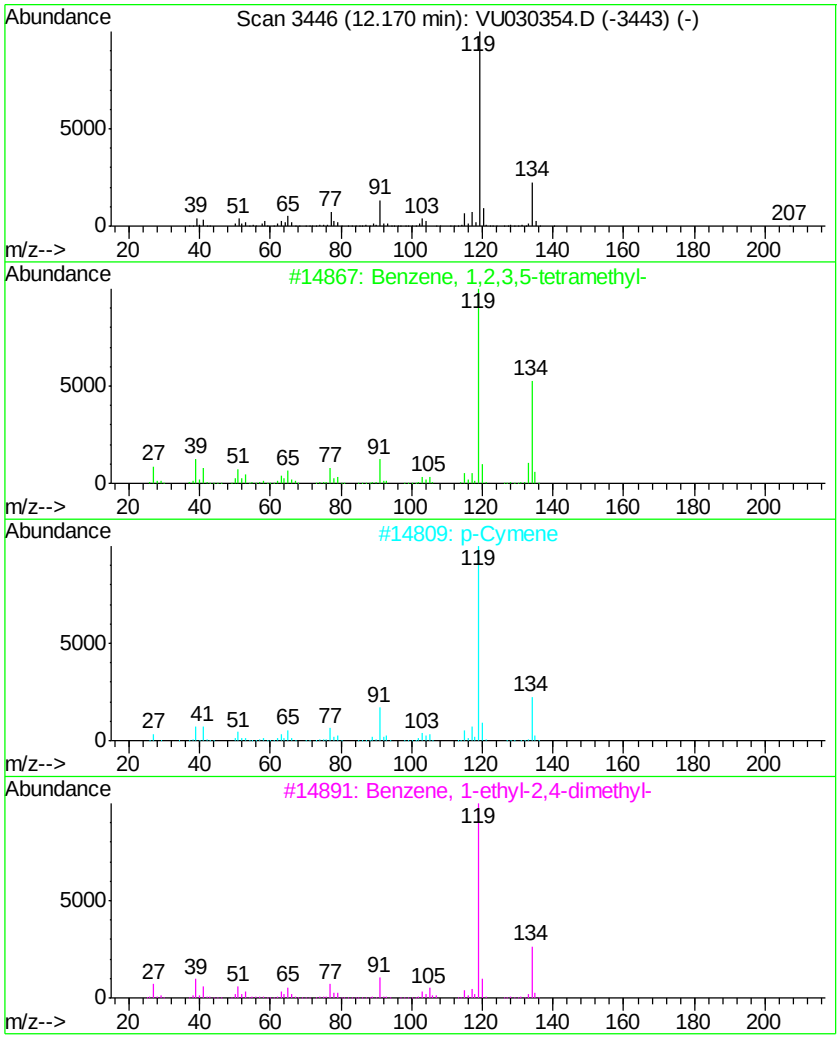
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

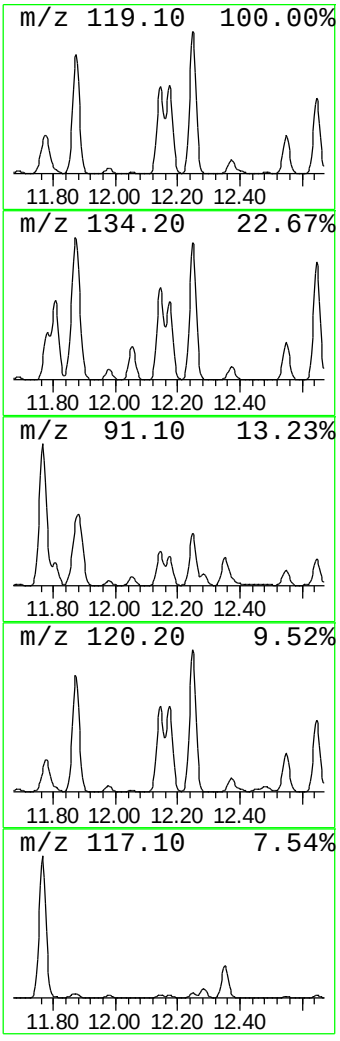
****

Peak Number 55 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	90.17 ug/L	3284270	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2	p-Cymene	134	C10H14	000099-87-6	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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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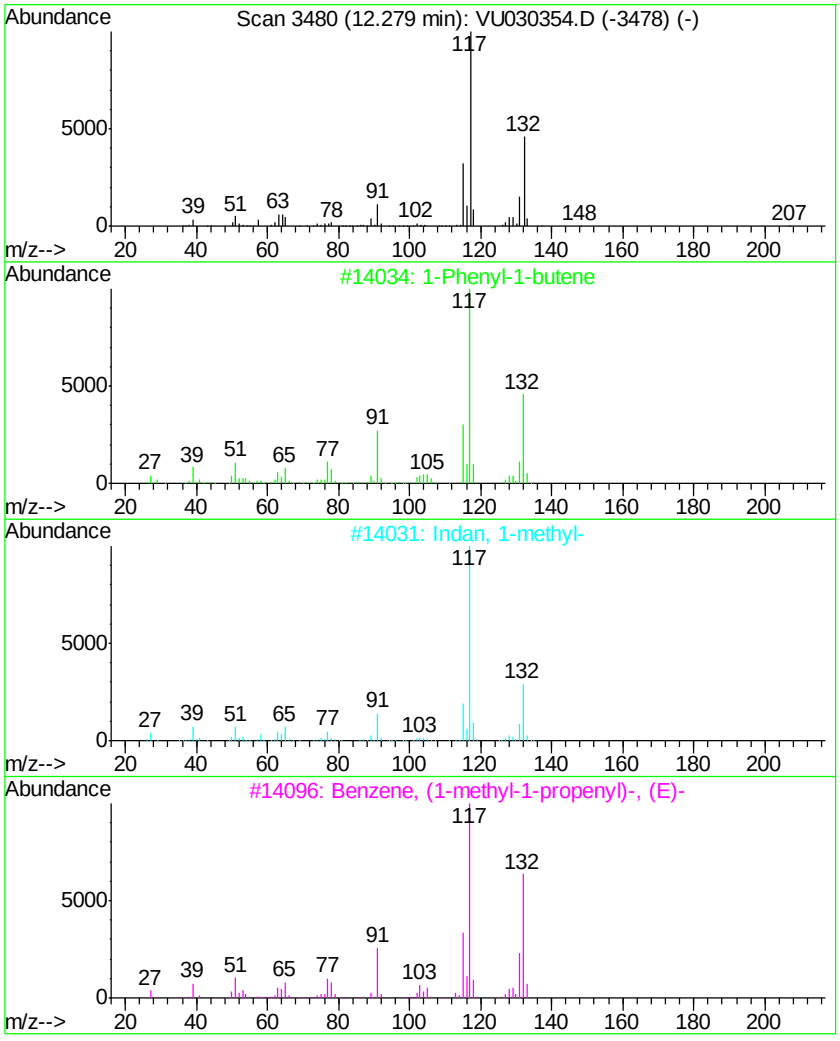
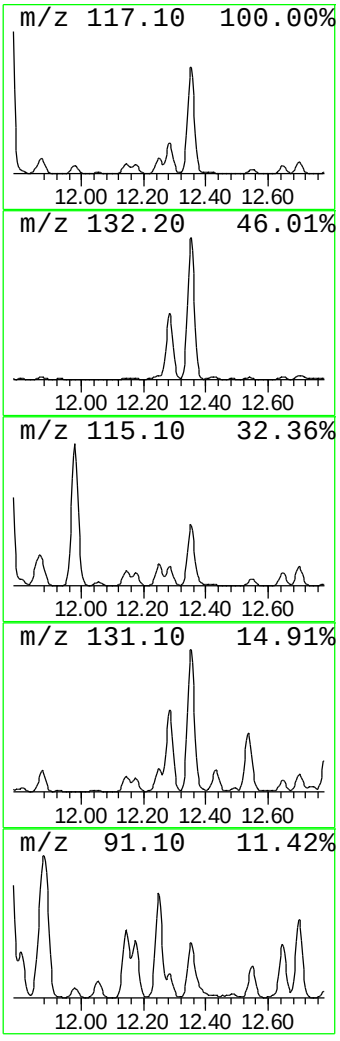
Peak Number 57 1-Phenyl-1-butene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	33.12 ug/L	1206210	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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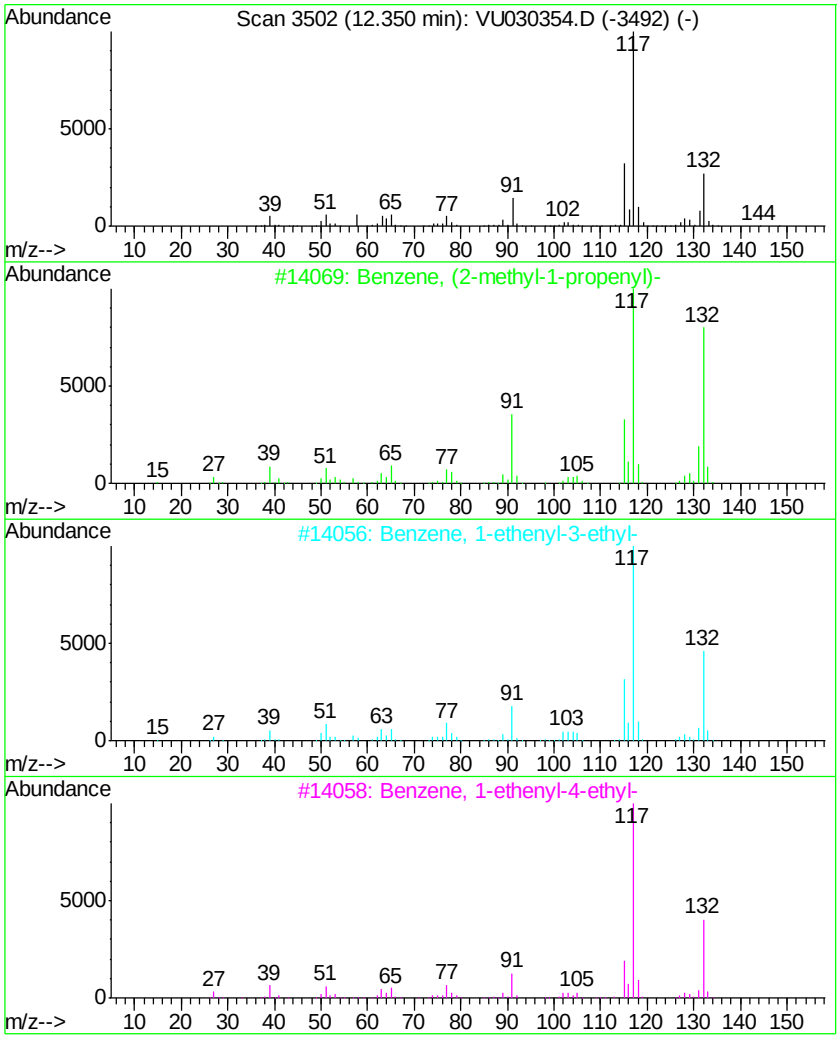
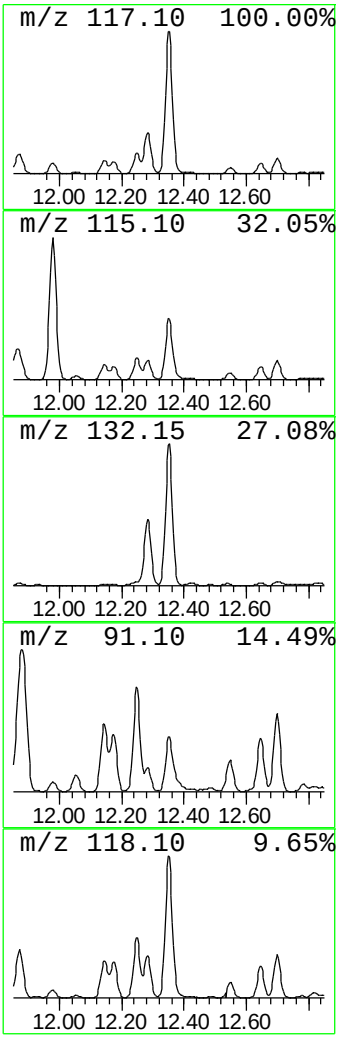
Peak Number 58 Benzene, (2-methyl-1-propen... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	137.86 ug/L	5021470	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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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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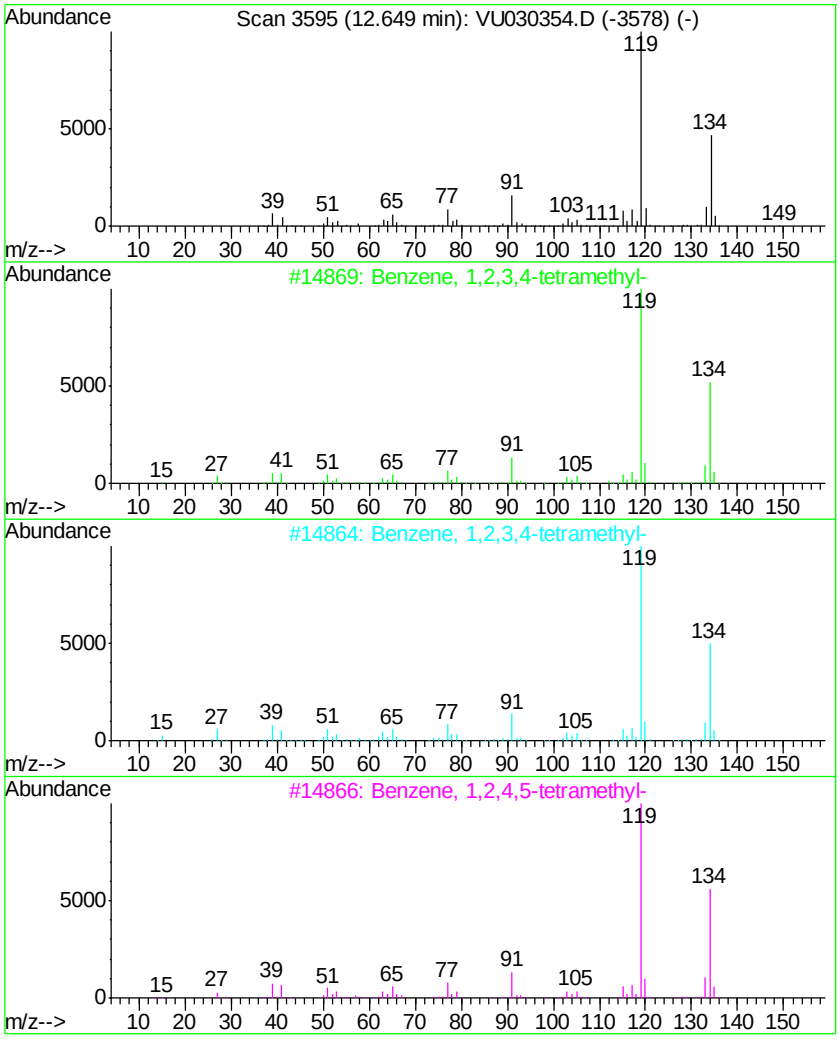
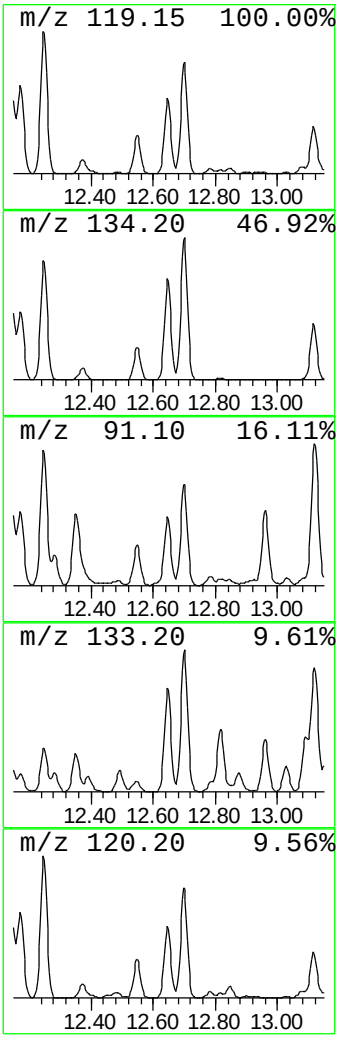
Peak Number 60 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	99.98 ug/L	3641710	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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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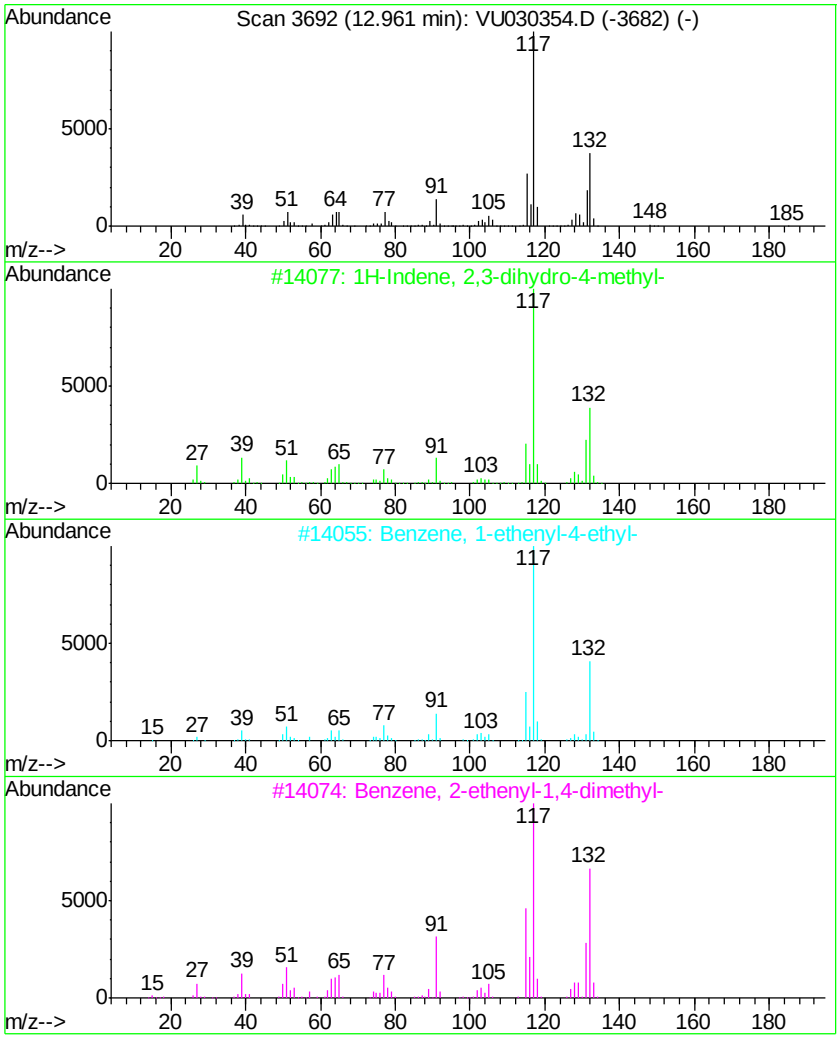
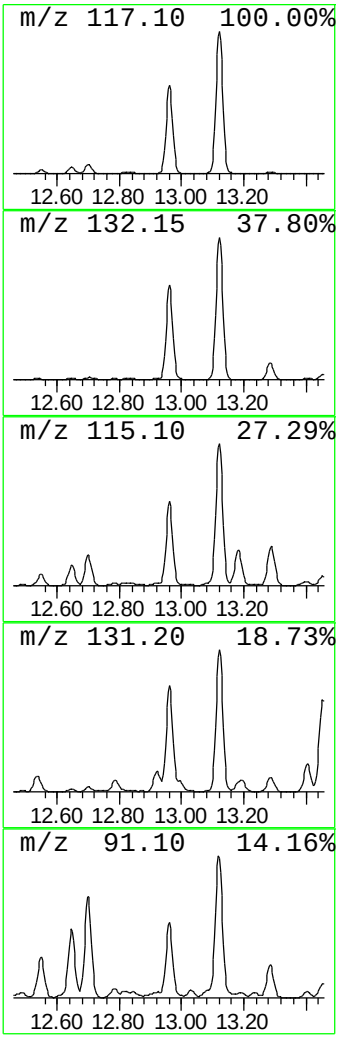
Peak Number 62 3-Phenylbut-1-ene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	135.25 ug/L	4926210	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	95
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	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030354.D
Acq On : 23 Mar 2019 20:44
Operator : JC/SP
Sample : K2063-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R6

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	604.3	ug/L	10127200	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	1.90	58.8	ug/L	985867	1	5.88	837969	50.0
(DEL) Alkane: Str...	1.95	476.2	ug/L	7981150	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	2.05	173.5	ug/L	2907330	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	2.13	103.6	ug/L	1736320	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	2.18	116.9	ug/L	1959880	1	5.88	837969	50.0
Cyclopentene	2.68	323.7	ug/L	5425160	1	5.88	837969	50.0
(DEL) Alkane: Str...	2.74	338.6	ug/L	5674200	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	2.79	371.1	ug/L	6219830	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	3.20	55.4	ug/L	927987	1	5.88	837969	50.0
(DEL) Alkane: Str...	3.30	240.9	ug/L	4037820	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	3.42	53.2	ug/L	890932	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	3.50	100.7	ug/L	1687210	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	3.56	102.7	ug/L	1721650	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	3.66	33.5	ug/L	560536	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	3.74	108.4	ug/L	1816660	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	3.89	51.6	ug/L	864076	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	4.09	738.1	ug/L	12370100	1	5.88	837969	50.0
Cyclopentene, 4-m...	4.78	46.4	ug/L	777411	1	5.88	837969	50.0
(DEL) Alkane: Str...	5.08	93.0	ug/L	1558900	1	5.88	837969	50.0
(DEL) Alkane: Str...	5.22	126.6	ug/L	2121510	1	5.88	837969	50.0
(DEL) Alkane: Str...	5.78	70.0	ug/L	1173610	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	5.95	58.3	ug/L	976467	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	6.22	32.9	ug/L	551258	1	5.88	837969	50.0
(DEL) Alkane: Cyc...	6.64	50.9	ug/L	852194	1	5.88	837969	50.0
Cyclohexene, 1-me...	6.82	31.4	ug/L	526948	1	5.88	837969	50.0
(DEL) Alkane: Str...	6.92	24.0	ug/L	402799	1	5.88	837969	50.0
Cyclopentene, 1,5...	7.06	103.2	ug/L	1729380	1	5.88	837969	50.0
2-Pentanol, 2-met...	7.37	77.6	ug/L	1301090	1	5.88	837969	50.0
2,4-Hexadiene, 2-...	7.43	58.3	ug/L	977330	1	5.88	837969	50.0
Thiophene, 2-methyl-	7.77	27.0	ug/L	634084	2	9.09	1174200	50.0
Thiophene, 3-methyl-	7.94	50.3	ug/L	1180040	2	9.09	1174200	50.0
Cyclopentene, 1,2...	8.09	15.6	ug/L	365406	2	9.09	1174200	50.0
Cyclopentanol, 1-...	8.49	28.7	ug/L	674715	2	9.09	1174200	50.0
2-Hexanol, 2-methyl-	9.03	38.4	ug/L	900520	2	9.09	1174200	50.0
3-Hexanol, 3-methyl-	9.18	31.9	ug/L	748928	2	9.09	1174200	50.0
Benzene, propyl-	10.58	305.1	ug/L	11111300	3	11.48	1821200	50.0
Benzene, 1,2,4-tr...	10.68	1791.0	ug/L	65235200	3	11.48	1821200	50.0
Benzene, 1,2,3-tr...	10.77	595.0	ug/L	21672500	3	11.48	1821200	50.0
Benzene, 1-ethyl-...	10.97	546.1	ug/L	19889900	3	11.48	1821200	50.0
Benzene, 1-etheny...	11.22	15.7	ug/L	573410	3	11.48	1821200	50.0
Benzene, (2-methy...	11.29	16.2	ug/L	589377	3	11.48	1821200	50.0
o-Cymene	11.42	34.3	ug/L	1249300	3	11.48	1821200	50.0
Dicyclopentadiene	11.53	31.8	ug/L	1157050	3	11.48	1821200	50.0
Benzene, 1,1'-(1-...	11.62	11.7	ug/L	425864	3	11.48	1821200	50.0
Indane	11.76	619.5	ug/L	22564900	3	11.48	1821200	50.0
Benzene, 1-methyl...	11.81	96.2	ug/L	3505160	3	11.48	1821200	50.0
Indene	11.98	102.6	ug/L	3737490	3	11.48	1821200	50.0
Benzene, 2-ethyl-...	12.14	121.9	ug/L	4441420	3	11.48	1821200	50.0

Benzene, 1,2,3,5-...	12.17	90.2	ug/L	3284270	3	11.48	1821200	50.0
1-Phenyl-1-butene	12.28	33.1	ug/L	1206210	3	11.48	1821200	50.0
Benzene, (2-methy...	12.35	137.9	ug/L	5021470	3	11.48	1821200	50.0
Benzene, 1,2,3,4-...	12.65	100.0	ug/L	3641710	3	11.48	1821200	50.0
3-Phenylbut-1-ene	12.96	135.3	ug/L	4926210	3	11.48	1821200	50.0

Instrument :
MSVOA_U
ClientSampleId :
DB6R6