LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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	1.399	85	96	106	rBV2	1083412	1253882	0.43%	0.087%
2	1.756	196	207	226	rBV	2293133	3049350	1.03%	0.212%
3	1.900	243	252	258	rBV	568607	735641	0.25%	0.051%
4	1.945	258	266	281	rVV	1872456	2565208	0.87%	0.179%
5	2.048	288	298	311	rVV	1672614	2257890	0.77%	0.157%
6	2.135	312	325	333	rVV	1108398	1685778	0.57%	0.117%
7	2.183	333	340	353	rVB	758721	1114369	0.38%	0.078%
8	2.270	354	367	375	rBV	407189	707426	0.24%	0.049%
9	2.328	376	385	397	rVB2	777402	1300301	0.44%	0.091%
10	2.678	469	494	506	rBV	2640750	5562268	1.89%	0.387%
11	2.743	506	514	520	rVV	1212894	2352382	0.80%	0.164%
12	2.791	520	529	566	rVB2	2330223	5489885	1.86%	0.382%
13	2.997	572	593	610	rBV2	1577648	3414798	1.16%	0.238%
14	3.199	642	656	673	rBV2	278964	617863	0.21%	0.043%
15	3.302	673	688	709	rVB	1061240	2215836	0.75%	0.154%
16	3.424	712	726	736	rBV	425461	915252	0.31%	0.064%
17	3.498	736	749	758	rBV	773341	1677830	0.57%	0.117%
18	3.563	759	769	786	rVB3	942002	2417293	0.82%	0.168%
19	3.739	808	824	838	rBV4	762116	2389043	0.81%	0.166%
20	4.093	915	934	951	rVV	3764752	10196844	3.46%	0.710%
21	4.177	951	960	978	rVV4	381169	1193931	0.41%	0.083%
22	4.646	1092	1106	1123	rBV	301938	804922	0.27%	0.056%
23	4.778	1135	1147	1165	rVB2	682719	1616143	0.55%	0.113%
24	4.993	1197	1214	1230	rBV2	4143457	10220434	3.47%	0.712%
25	5.222	1269	1285	1304	rBV3	550641	1704788	0.58%	0.119%
26	5.408	1305	1343	1371	rBV3	65652347	183572539	62.30%	12.788%
27	5.781	1448	1459	1468	rBV	533012	1045132	0.35%	0.073%
28	5.884	1482	1491	1500	rVV	575966	1108995	0.38%	0.077%
29	5.942	1500	1509	1538	rVB5	711742	2429540	0.82%	0.169%
30	6.215	1585	1594	1613	rVB4	347894	742134	0.25%	0.052%
31	6.328	1618	1629	1638	rBV	391600	754419	0.26%	0.053%
32	6.415	1638	1656	1671	rBV2	3982021	8828163	3.00%	0.615%
33	6.640	1715	1726	1740	rVB	481015	906408	0.31%	0.063%
34	6.823	1768	1783	1801	rBV5	703836	2095794	0.71%	0.146%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	7.067	1832	1859	1869	rBV	2049410	4284444	1.45%	0.298%
36	7.299	1921	1931	1941	rBV	922416	1724889	0.59%	0.120%
37	7.379	1942	1956	1968	rBV	2795188	6673739	2.26%	0.465%
38	7.575	1996	2017	2023	rBV4	669070	1845827	0.63%	0.129%
39	7.781	2076	2081	2095	rVB	1044263	1655145	0.56%	0.115%
40	7.942	2116	2131	2145	rVB3	942453	1972162	0.67%	0.137%
41	8.096	2171	2179	2191	rVB2	500821	874726	0.30%	0.061%
42	8.228	2211	2220	2231	rBV	440912	715433	0.24%	0.050%
43	8.308	2235	2245	2255	rBV	1419546	2401144	0.81%	0.167%
44	8.363	2255	2262	2287	rVB3	666069	1395461	0.47%	0.097%
45	8.498	2289	2304	2314	rBV	1766586	3184011	1.08%	0.222%
46	8.585	2321	2331	2342	rVV2	2222305	3772270	1.28%	0.263%
47	8.775	2373	2390	2402	rBV5	256189	662457	0.22%	0.046%
48	9.032	2455	2470	2481	rBV	2469043	4743196	1.61%	0.330%
49	9.090	2481	2488	2495	rVV	832642	1302974	0.44%	0.091%
50	9.131	2496	2501	2508	rVV3	485084	755029	0.26%	0.053%
51	9.189	2508	2519	2527	rVV	2493860	4322884	1.47%	0.301%
52	9.260	2527	2541	2564	rVV2	53445877	106048872	35.99%	7.388%
53	9.408	2565	2587	2608	rVB4	115105786	294682229	100.00%	20.529%
54	9.800	2692	2709	2733	rVB5	85351127	176081272	59.75%	12.266%
55	9.942	2734	2753	2766	rBV2	553619	1576749	0.54%	0.110%
56	10.009	2767	2774	2782	rVV3	372471	645448	0.22%	0.045%
57	10.074	2786	2794	2802	rVV2	533877	926996	0.31%	0.065%
58	10.122	2802	2809	2813	rVV	455224	662997	0.22%	0.046%
59	10.164	2813	2822	2834	rVB	3670450	5804199	1.97%	0.404%
60	10.421	2886	2902	2917	rVV3	1900553	4373920	1.48%	0.305%
61	10.543	2933	2940	2945	rVV	1326461	1997764	0.68%	0.139%
62	10.588	2945	2954	2969	rVV	9998440	15937747	5.41%	1.110%
63	10.688	2969	2985	3002	rVV2	40639308	93409722	31.70%	6.507%
64	10.774	3002	3012	3036	rVB	20095083	30468023	10.34%	2.123%
65	10.974	3059	3074	3091	rBV	18584993	29554056	10.03%	2.059%
66	11.160	3115	3132	3142	rBV3	63480195	109433505	37.14%	7.624%
67	11.215	3142	3149	3158	rVB2	1775360	2577078	0.87%	0.180%
68	11.263	3158	3164	3170	rBV2	455150	692351	0.23%	0.048%
69	11.324	3178	3183	3196	rVB3	591264	966209	0.33%	0.067%
70	11.427	3205	3215	3223	rVB	965567	1445613	0.49%	0.101%
71	11.482	3223	3232	3239	rBV2	1232722	1853337	0.63%	0.129%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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	11.533	3239	3248	3251	rVV	2720995	3776043	1.28%	0.263%
73	11.572	3251	3260	3271	rVV	22066070	34309102	11.64%	2.390%
74	11.768	3306	3321	3330	rBV	22664293	37756898	12.81%	2.630%
75	11.807	3330	3333	3342	rVV	3608787	4445013	1.51%	0.310%
76	11.871	3342	3353	3368	rVB3	6116892	12114549	4.11%	0.844%
77	11.980	3375	3387	3399	rVB	7199347	11208652	3.80%	0.781%
78	12.054	3400	3410	3422	rVB	1597413	2435676	0.83%	0.170%
79	12.144	3426	3438	3443	rBV	3893730	6095817	2.07%	0.425%
80	12.173	3443	3447	3458	rVB	3364411	4581283	1.55%	0.319%
81	12.250	3458	3471	3478	rBV	5750210	8955292	3.04%	0.624%
82	12.282	3478	3481	3492	rVB	1462206	1862832	0.63%	0.130%
83	12.353	3492	3503	3522	rBV2	4392847	7876139	2.67%	0.549%
84	12.549	3553	3564	3578	rVB	1724278	2804539	0.95%	0.195%
85	12.646	3579	3594	3602	rBV	3268718	4960254	1.68%	0.346%
86	12.700	3602	3611	3624	rVB	4758860	7190679	2.44%	0.501%
87	12.961	3682	3692	3707	rVB	5082086	7640863	2.59%	0.532%
88	13.122	3720	3742	3752	rBV2	9361872	15329459	5.20%	1.068%
89	13.183	3753	3761	3771	rVB2	1458018	2282862	0.77%	0.159%
90	13.289	3783	3794	3811	rVB2	2404528	3880074	1.32%	0.270%
91	13.401	3813	3829	3837	rBV5	415102	860570	0.29%	0.060%
92	13.453	3837	3845	3854	rVB	769109	1158675	0.39%	0.081%
93	13.507	3854	3862	3869	rBV2	875042	1396948	0.47%	0.097%
94	13.610	3888	3894	3906	rVV2	588572	903224	0.31%	0.063%
95	13.742	3921	3935	3960	rBV2	25753073	41472803	14.07%	2.889%
96	13.858	3960	3971	3985	rVB	1280965	2079711	0.71%	0.145%
97	14.151	4050	4062	4086	rBV	633589	1136586	0.39%	0.079%
98	14.331	4108	4118	4130	rVV	523564	1071284	0.36%	0.075%
99	14.874	4276	4287	4306	rVB	6430782	10270902	3.49%	0.716%
100	15.057	4332	4344	4360	rBV	3242841	5249051	1.78%	0.366%

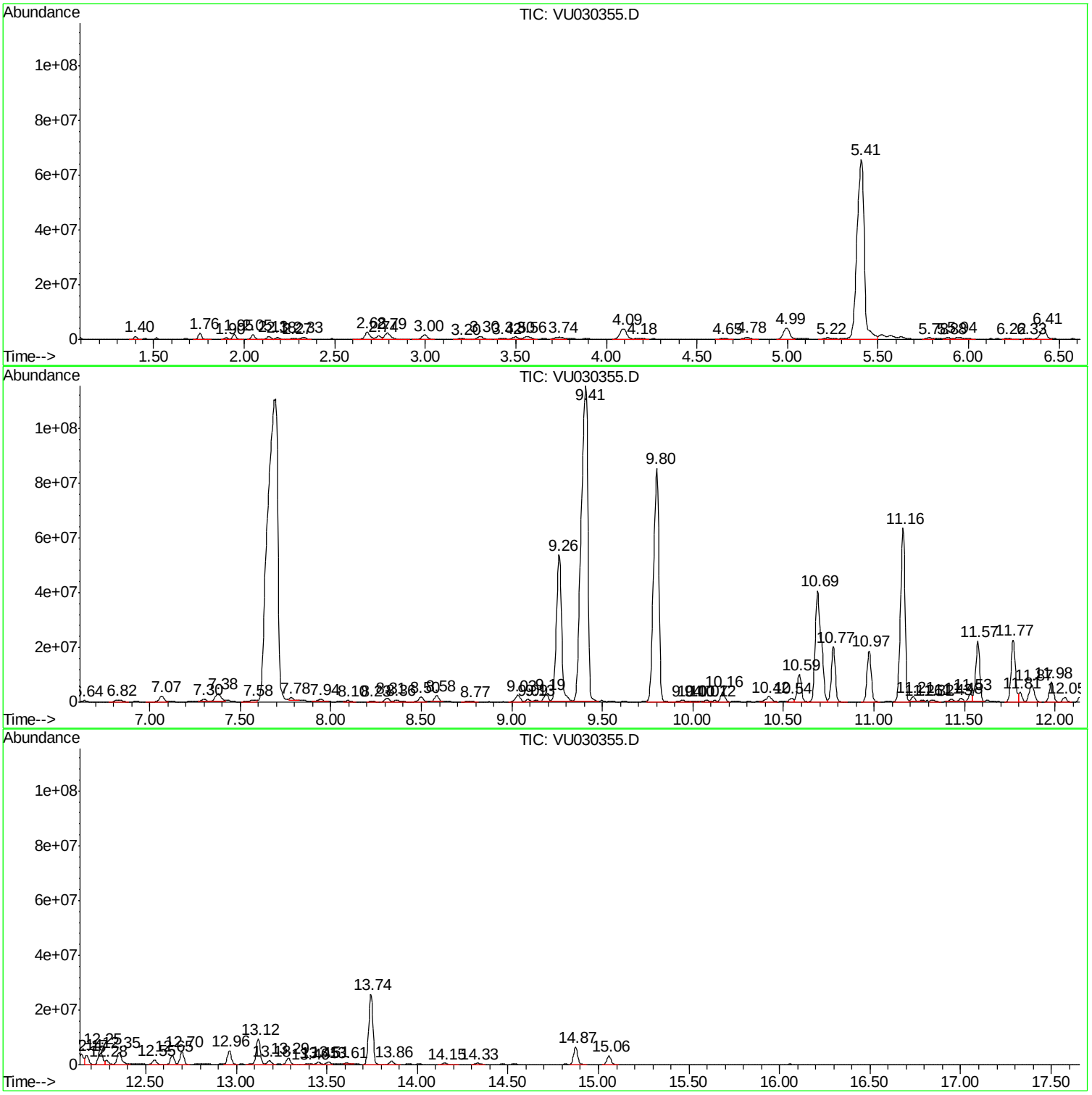
Sum of corrected areas: 1435472139

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB6R7

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 : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

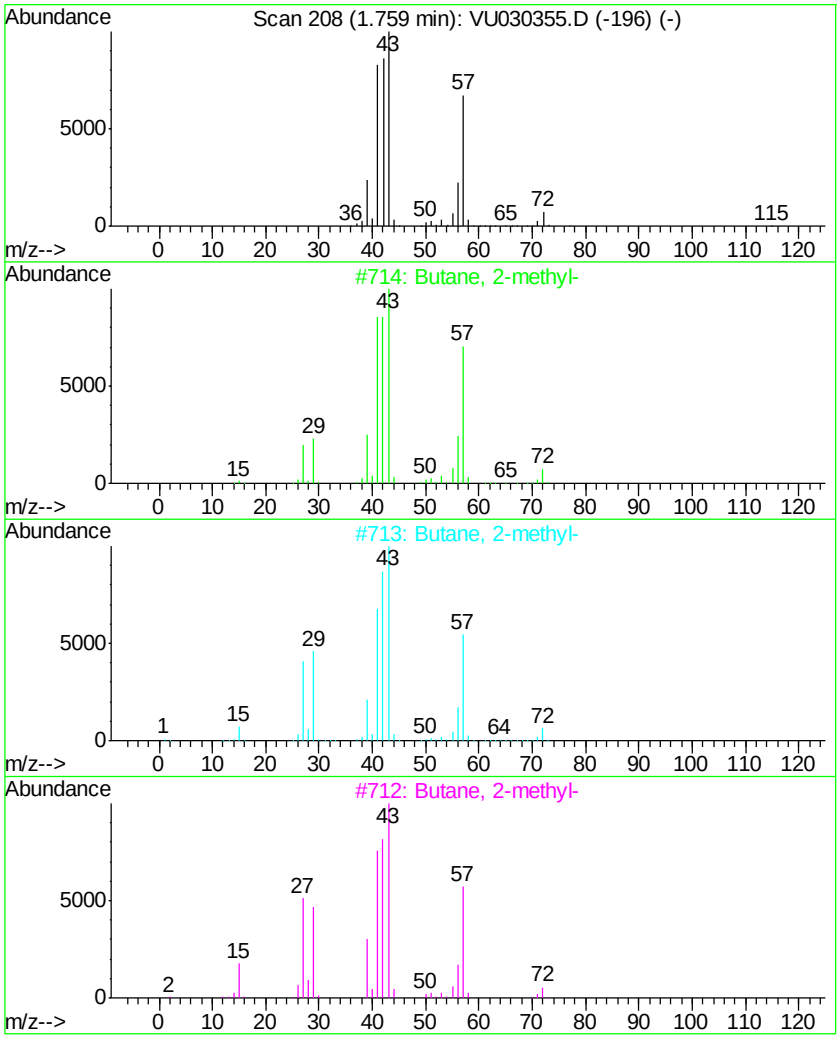
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

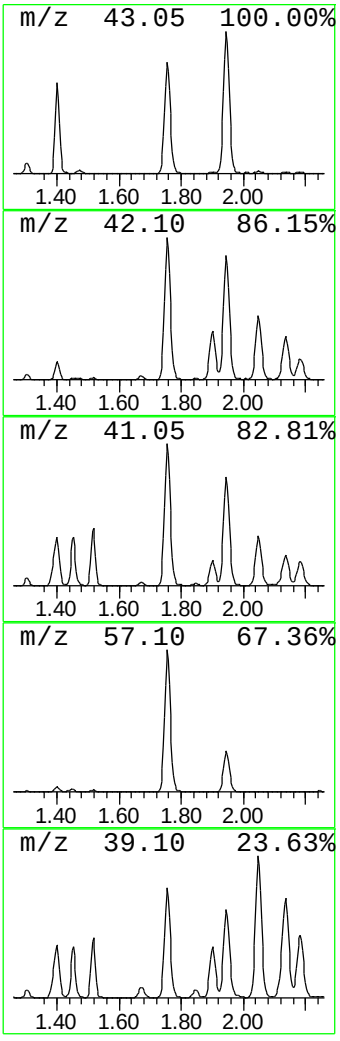
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	137.48 ug/L	3049350	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	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

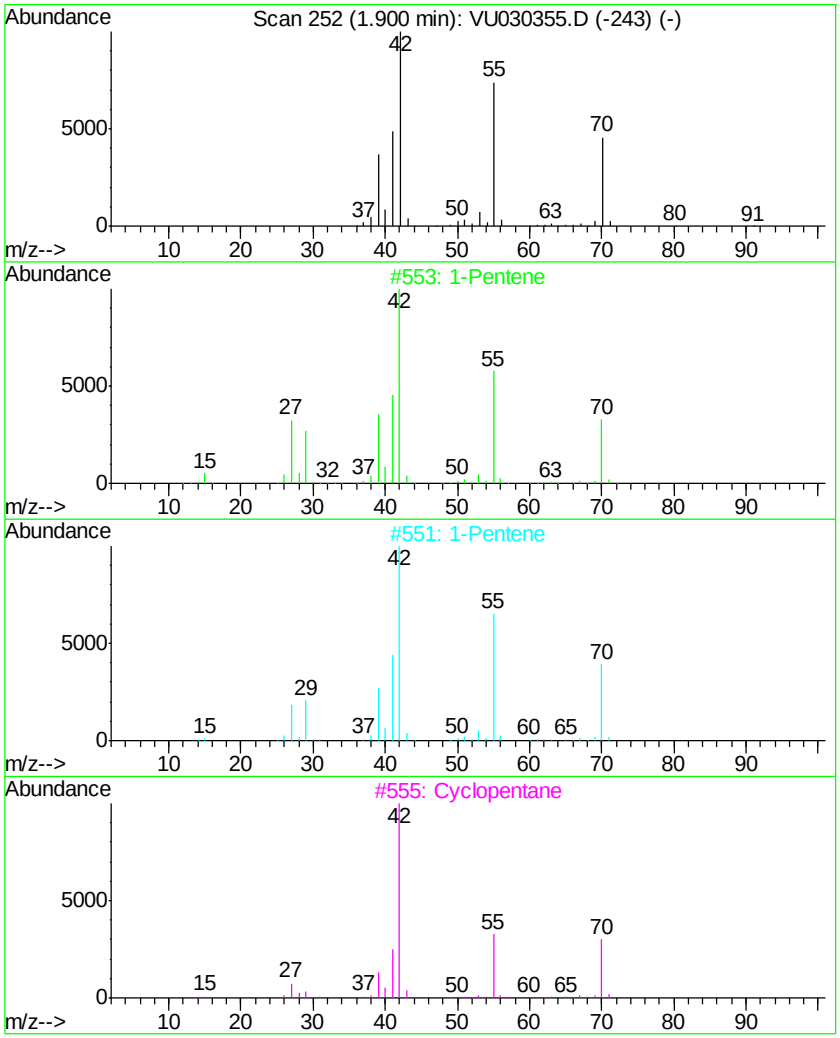
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

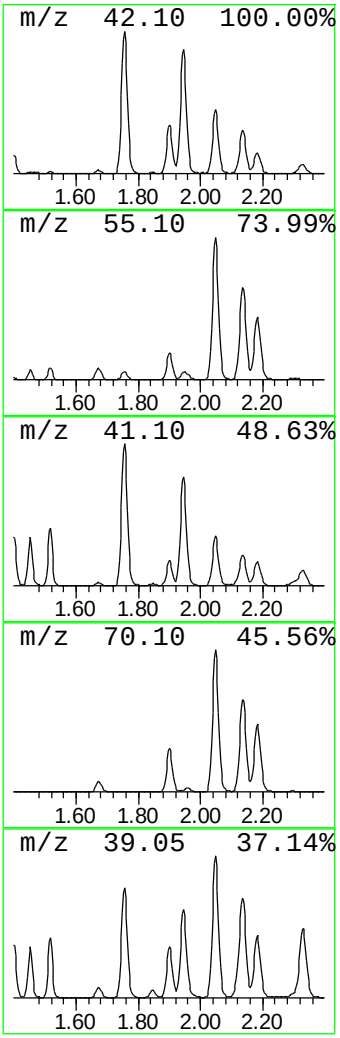
****

Peak Number 2 (DEL) Alkane: Cyclic1.90 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.90	33.17 ug/L	735641	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	91
3	Cyclopentane	70	C5H10	000287-92-3	86
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	83
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

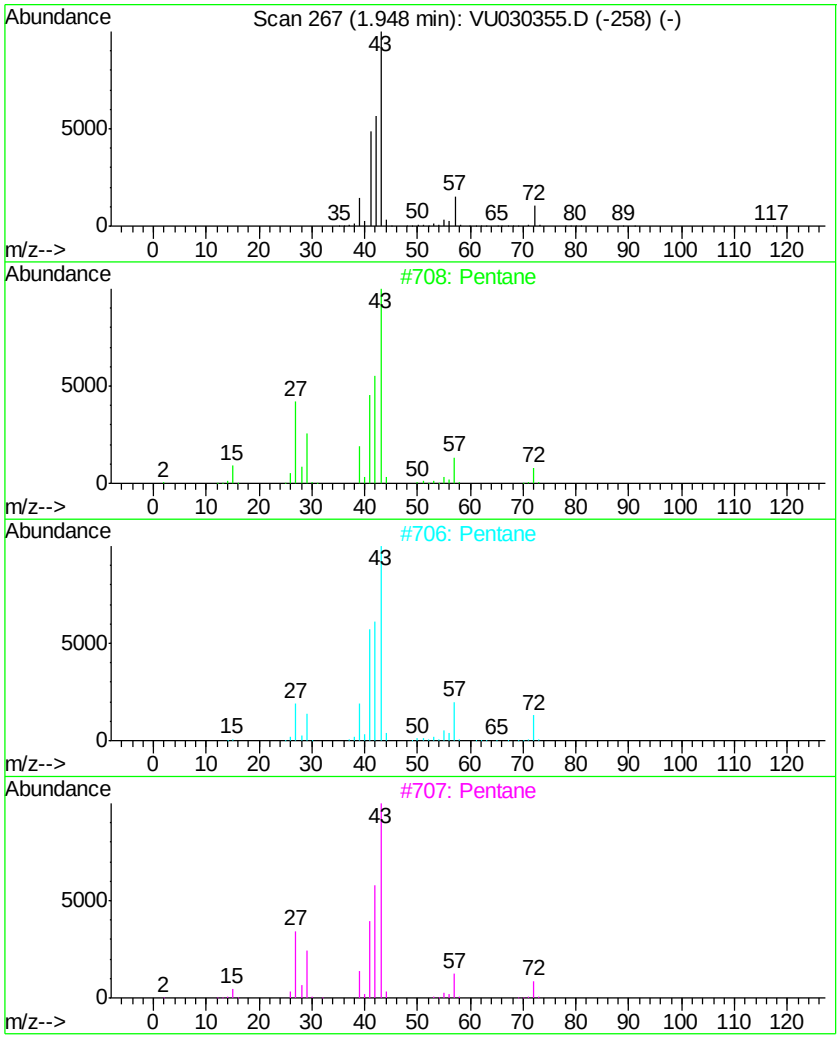
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

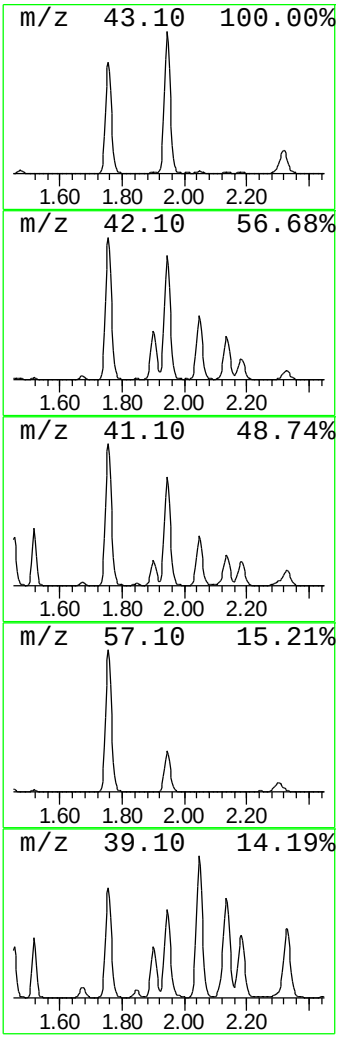
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	115.66 ug/L	2565210	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	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	72
5	Butane, 2-methyl-	72	C5H12	000078-78-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

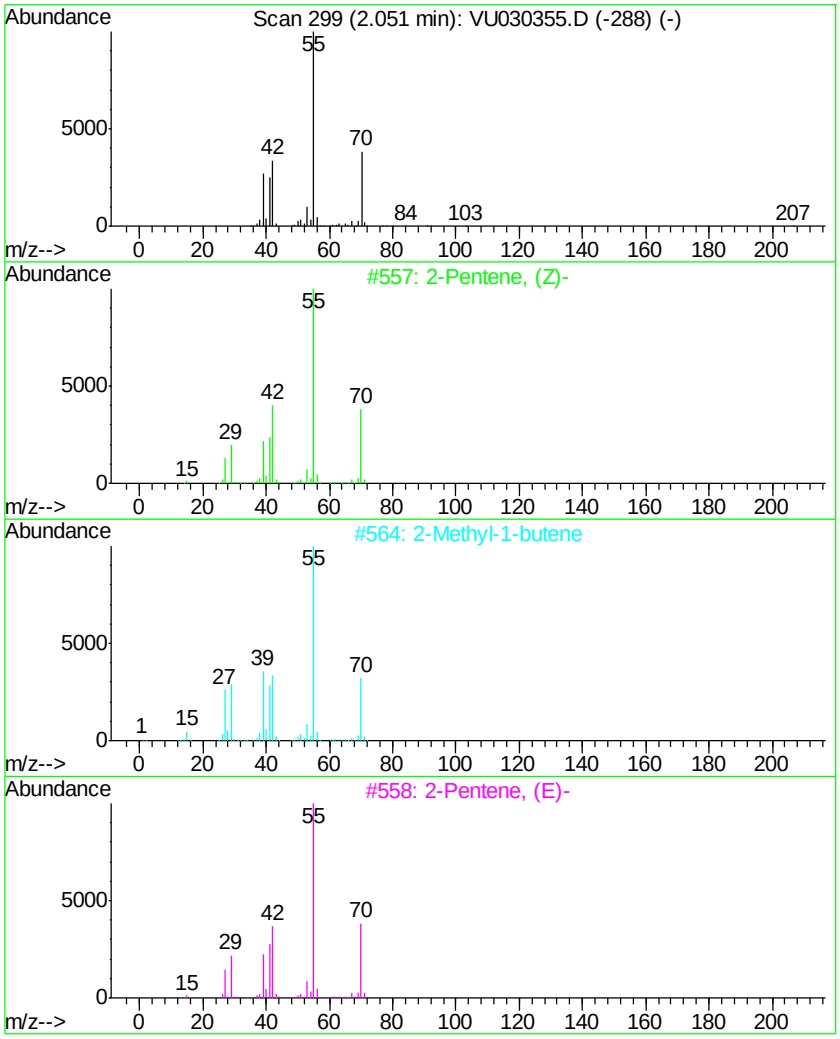
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

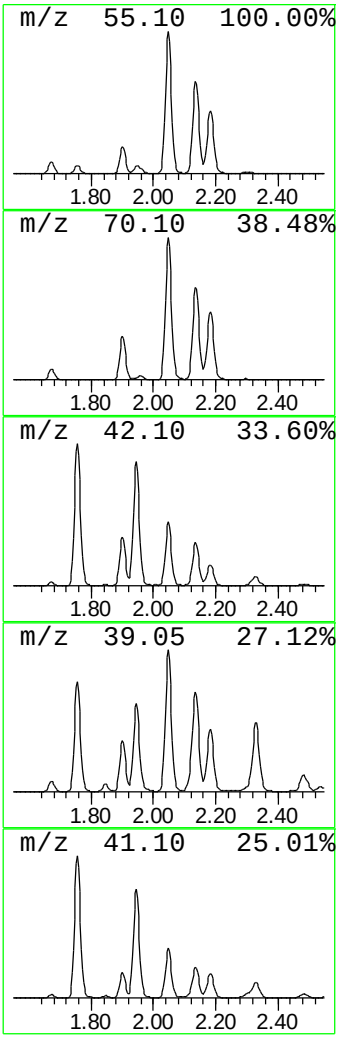
****

Peak Number 4 (DEL) Alkane: Cyclic2.05 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	101.80 ug/L	2257890	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, (E)-	70	C5H10	000646-04-8	91
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
5	2-Pentene	70	C5H10	000109-68-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

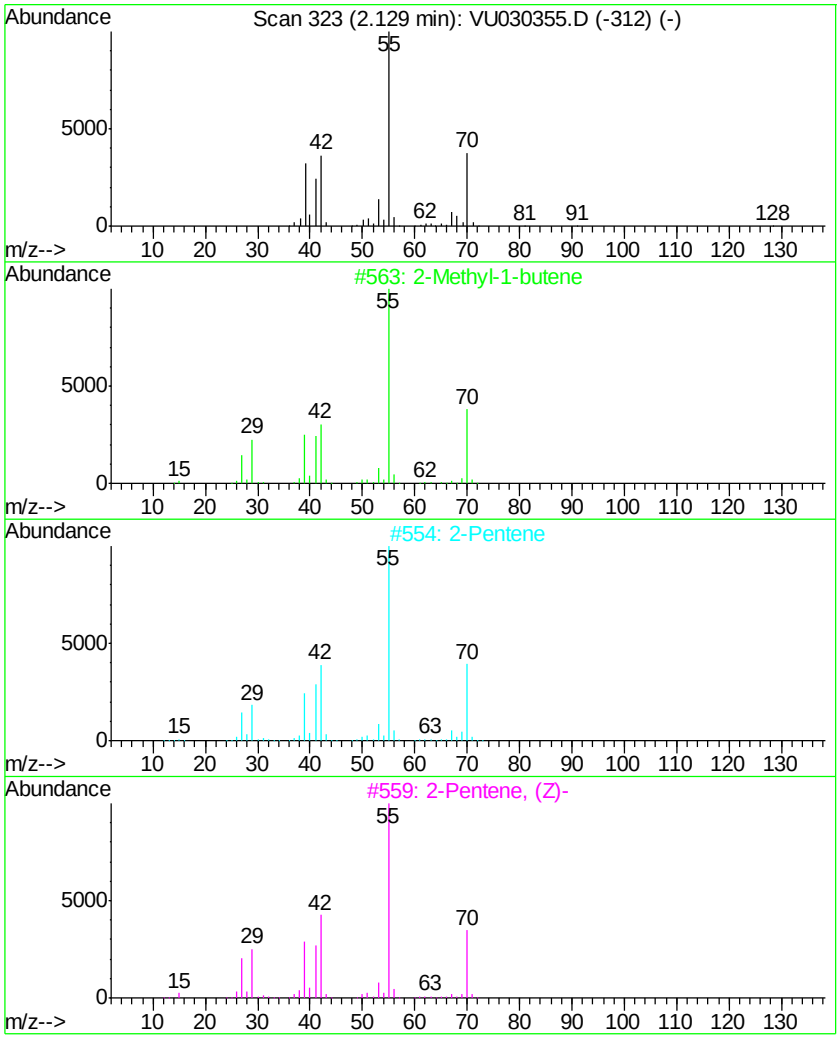
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

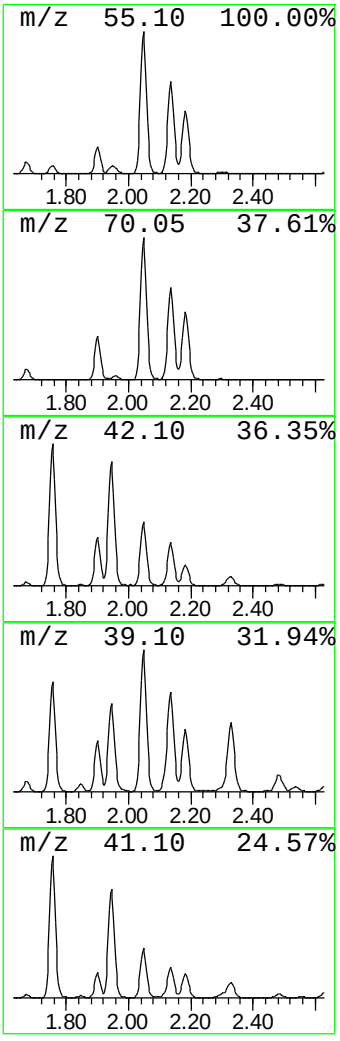
****

Peak Number 5 (DEL) Alkane: Cyclic2.13 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	76.00 ug/L	1685780	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	91
2	2-Pentene	70	C5H10	000109-68-2	90
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
5	2-Pentene, (E)-	70	C5H10	000646-04-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

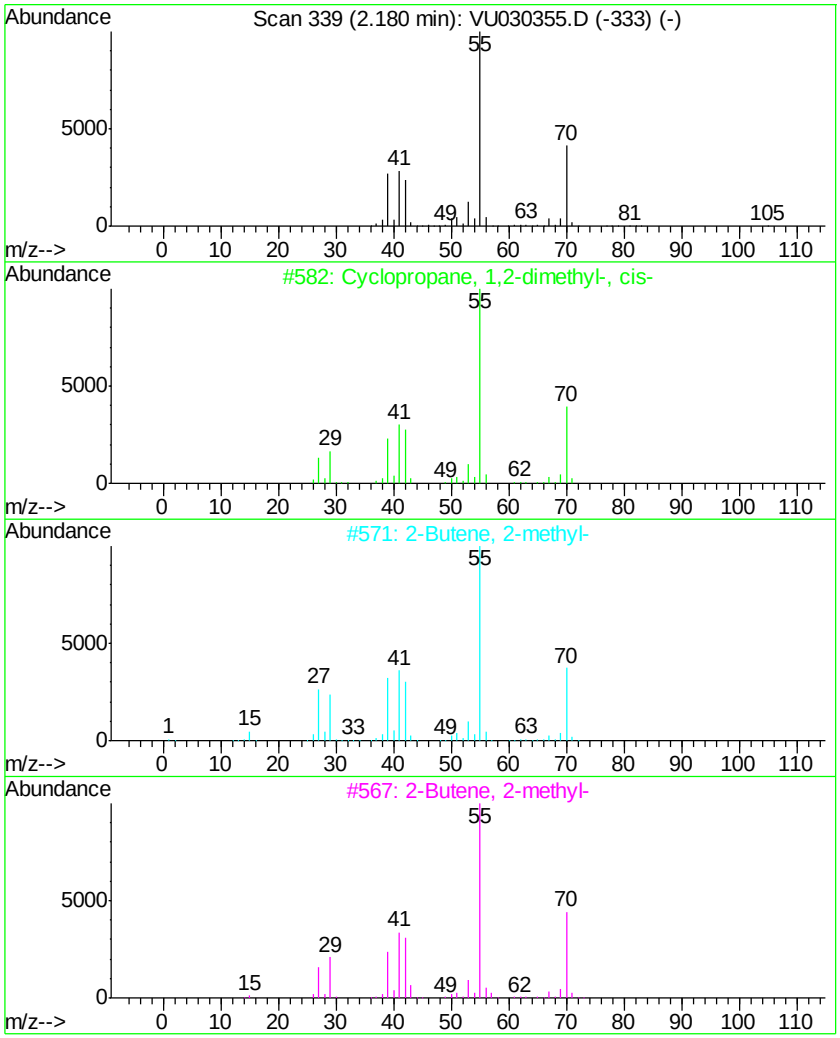
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

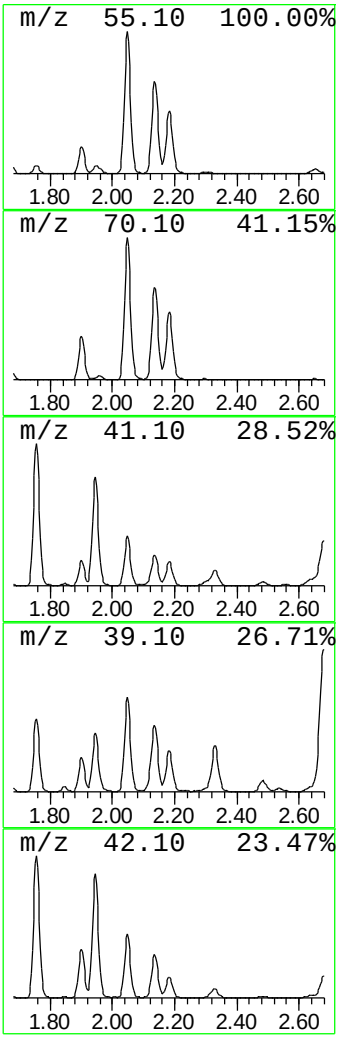
****

Peak Number 6 (DEL) Alkane: Cyclic2.18 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	50.24 ug/L	1114370	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	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
5	2-Pentene	70	C5H10	000109-68-2	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

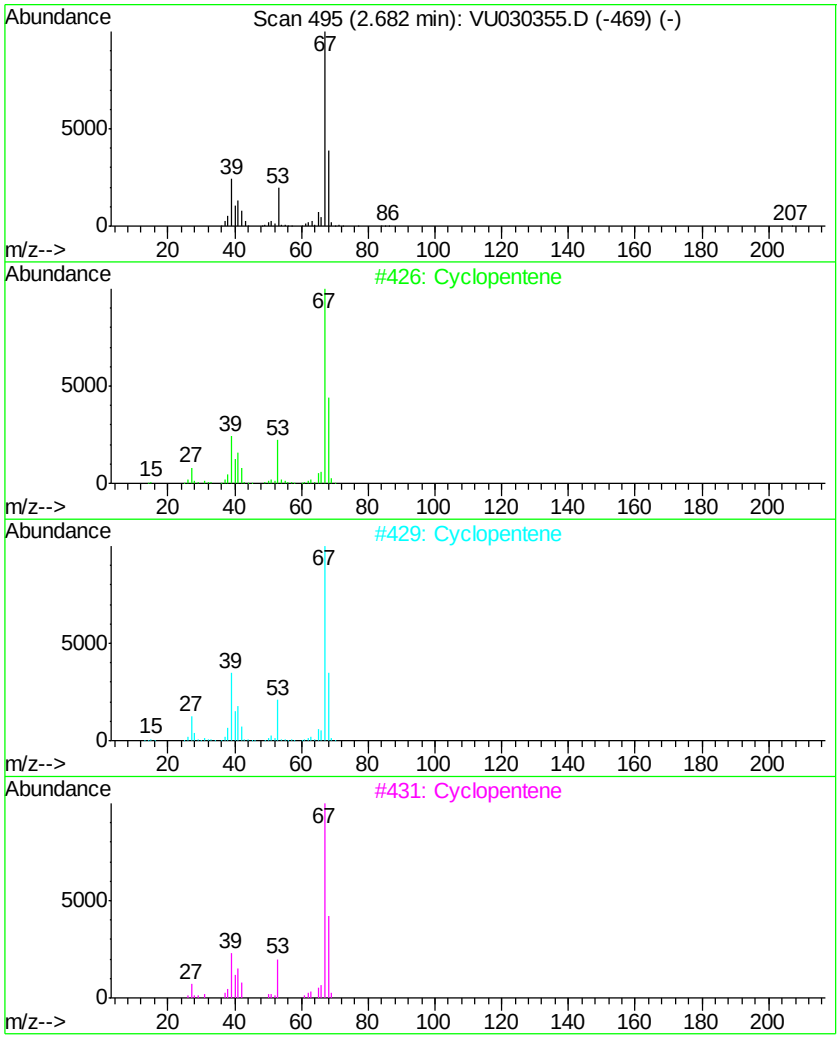
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

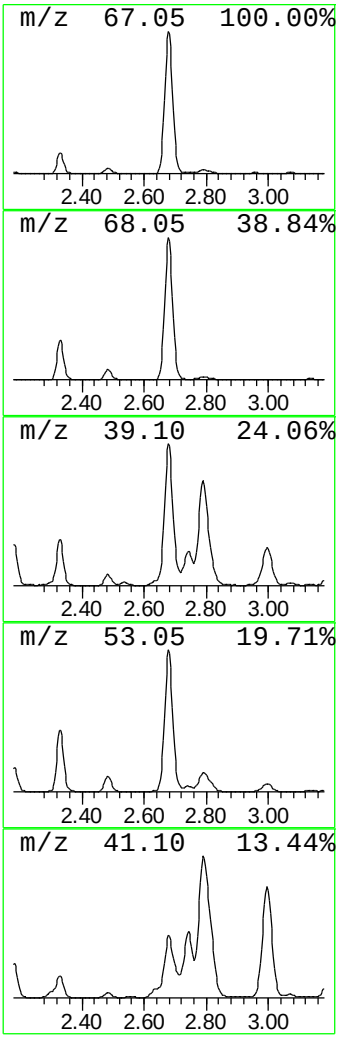
****

Peak Number 7 Cyclopentene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.68	250.78 ug/L	5562270	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	91
4	Cyclopentene	68	C5H8	000142-29-0	90
5	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

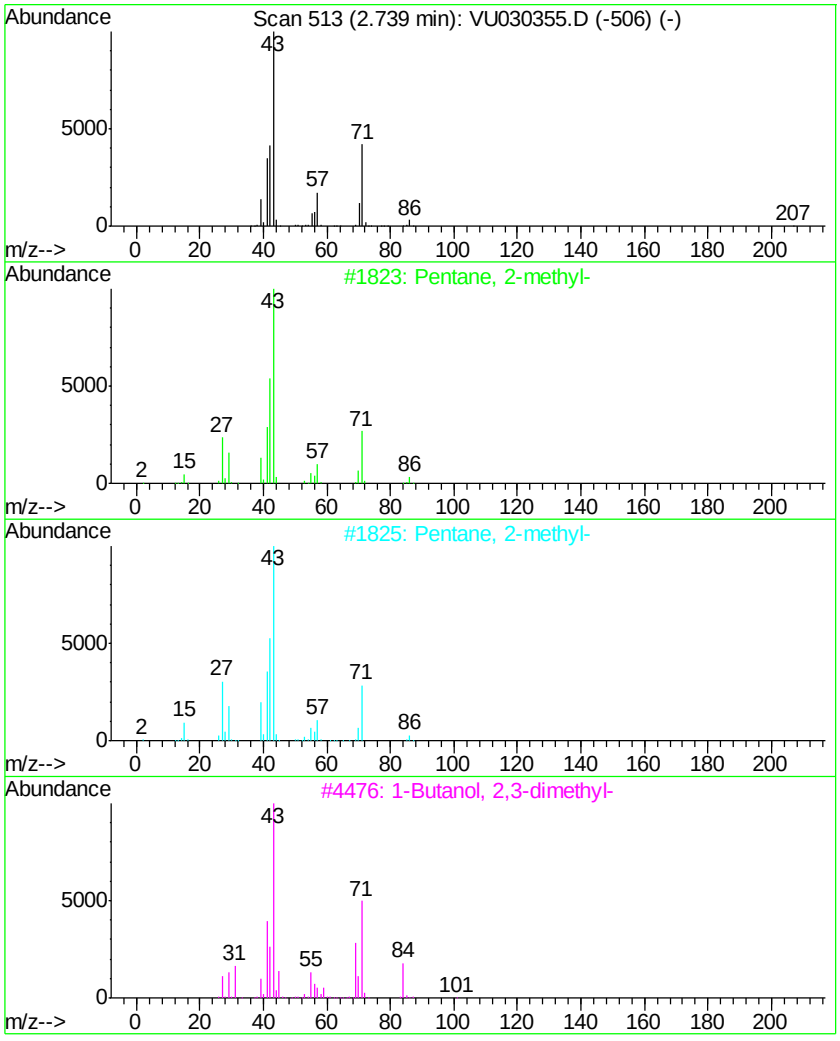
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

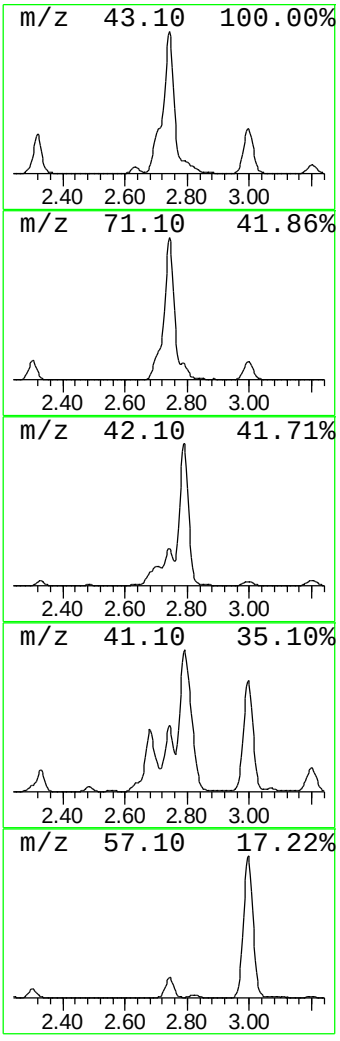
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	106.06 ug/L	2352380	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	53
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	38
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	32
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

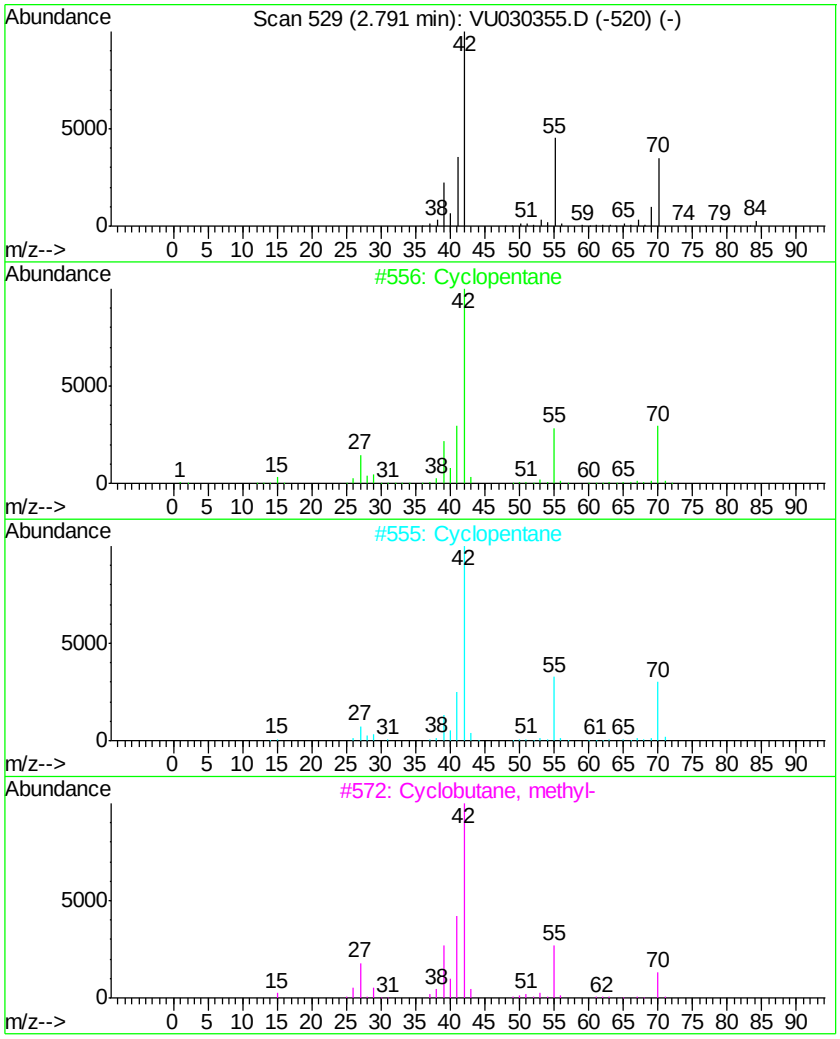
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

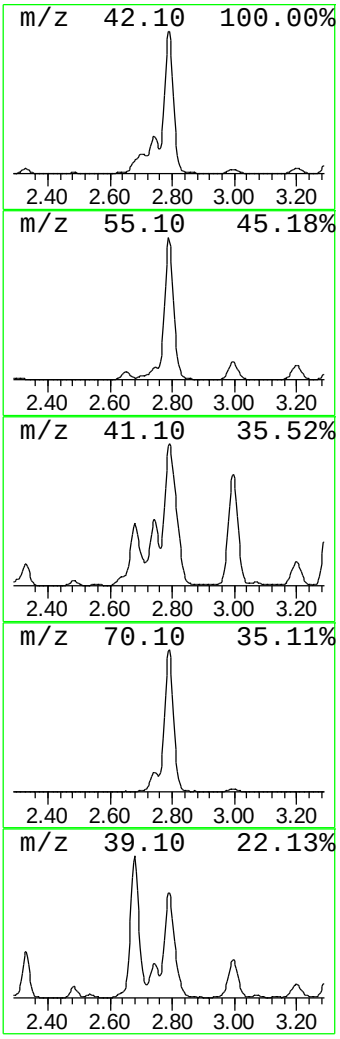
****

Peak Number 9 (DEL) Alkane: Cyclic2.79 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	247.52 ug/L	5489890	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	72
2	Cyclopentane	70	C5H10	000287-92-3	72
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
5	1-Pentene	70	C5H10	000109-67-1	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

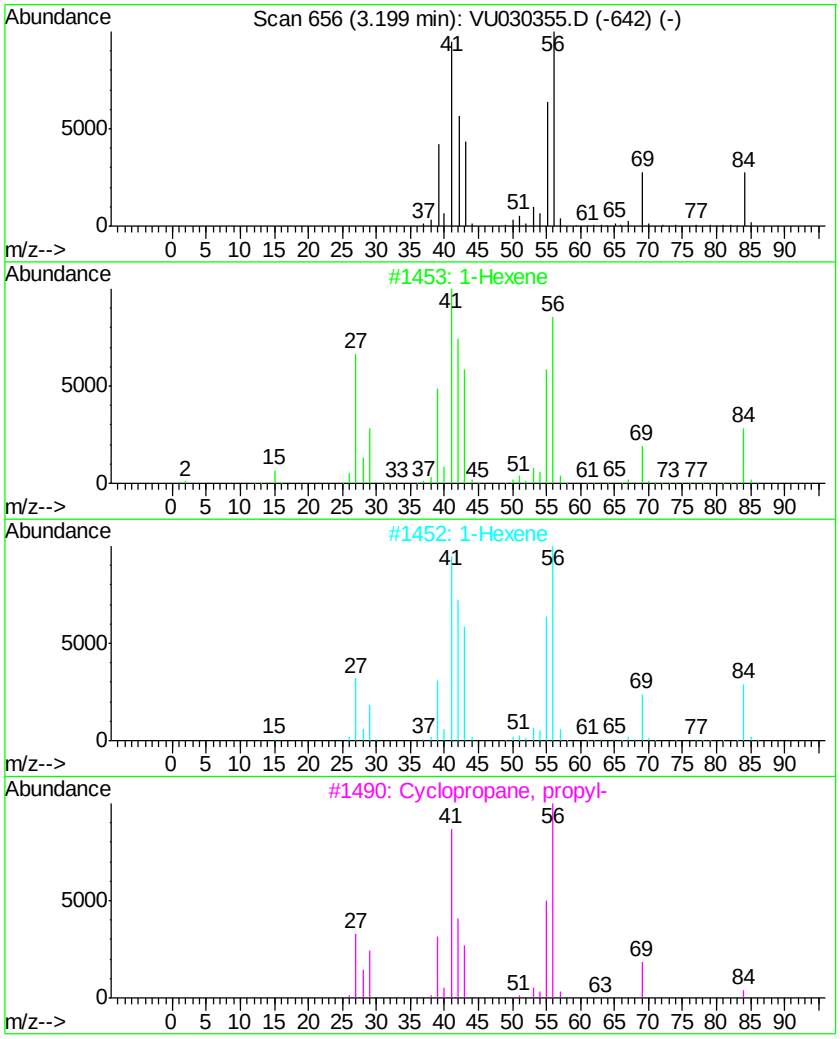
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

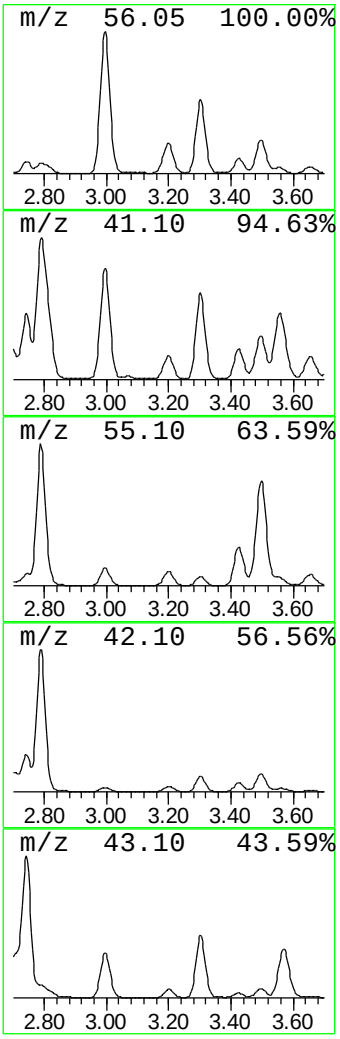
****

Peak Number 10 (DEL) Alkane: Cyclic3.20 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	27.86 ug/L	617863	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	87
2	1-Hexene	84	C6H12	000592-41-6	81
3	Cyclopropane, propyl-	84	C6H12	002415-72-7	78
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	59
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

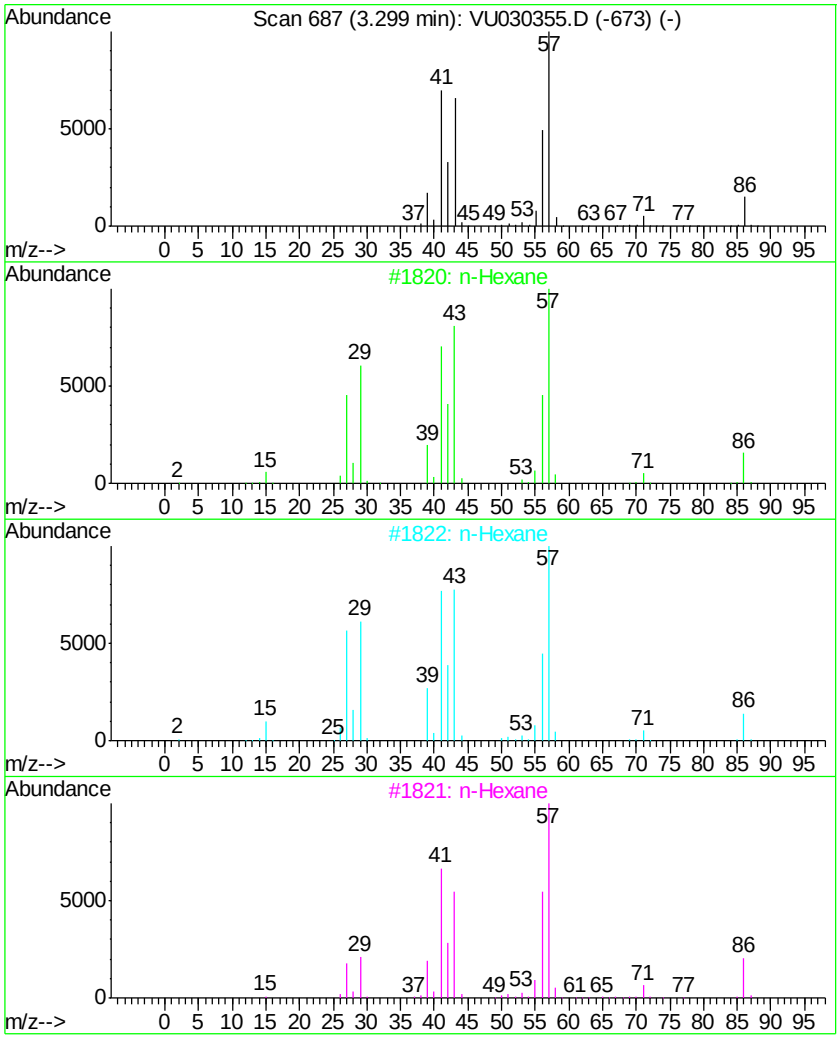
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

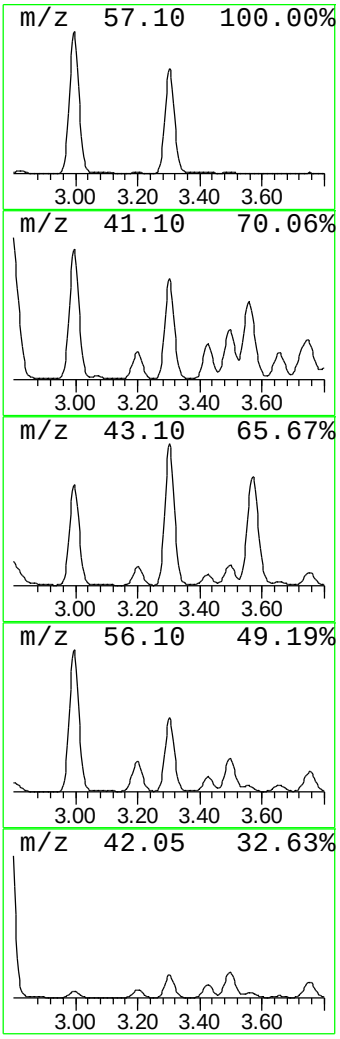
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	99.90 ug/L	2215840	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	72
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42
5	Methane, isocyanato-	57	C2H3NO	000624-83-9	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

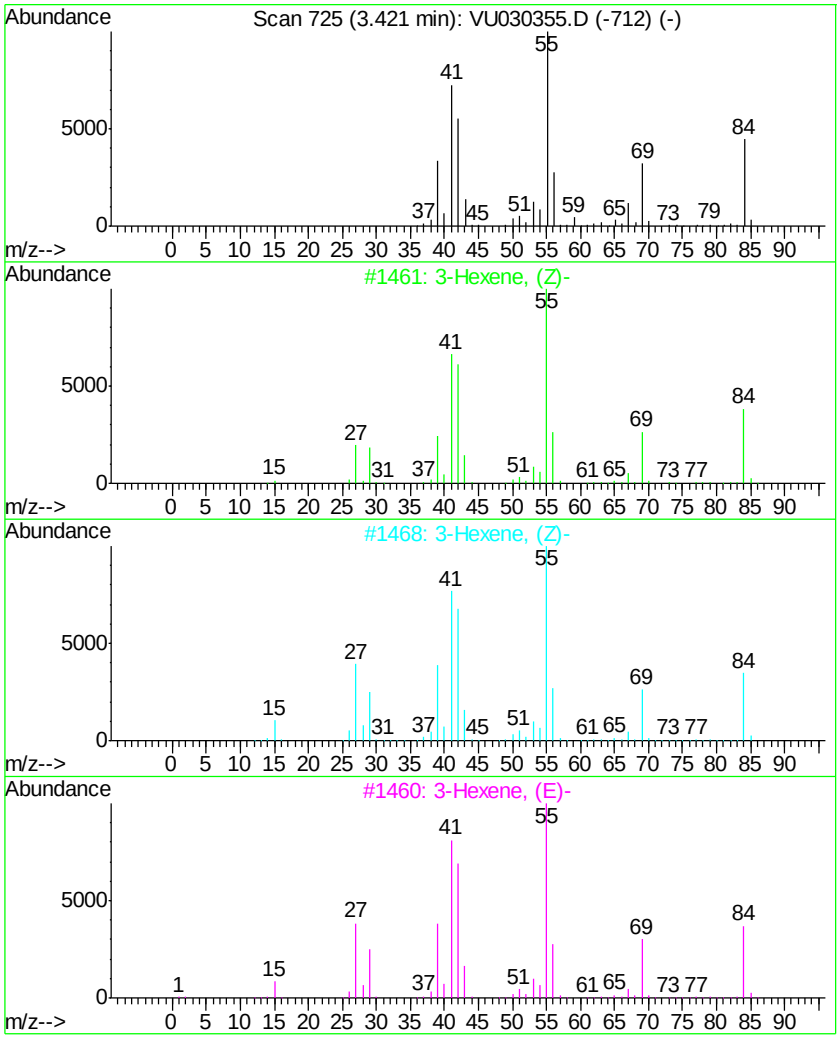
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

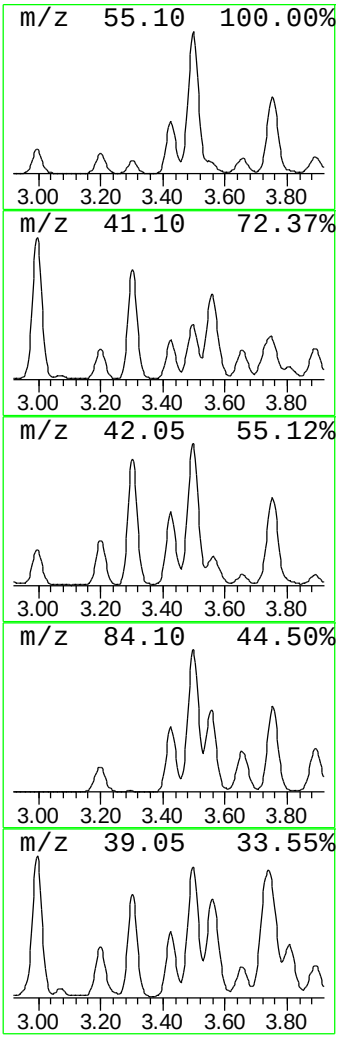
****

Peak Number 12 (DEL) Alkane: Cyclic3.42 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.42	41.26 ug/L	915252	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
2	3-Hexene, (Z)-	84	C6H12	007642-09-3	90
3	3-Hexene, (E)-	84	C6H12	013269-52-8	90
4	3-Hexene	84	C6H12	000592-47-2	90
5	2-Hexene	84	C6H12	000592-43-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

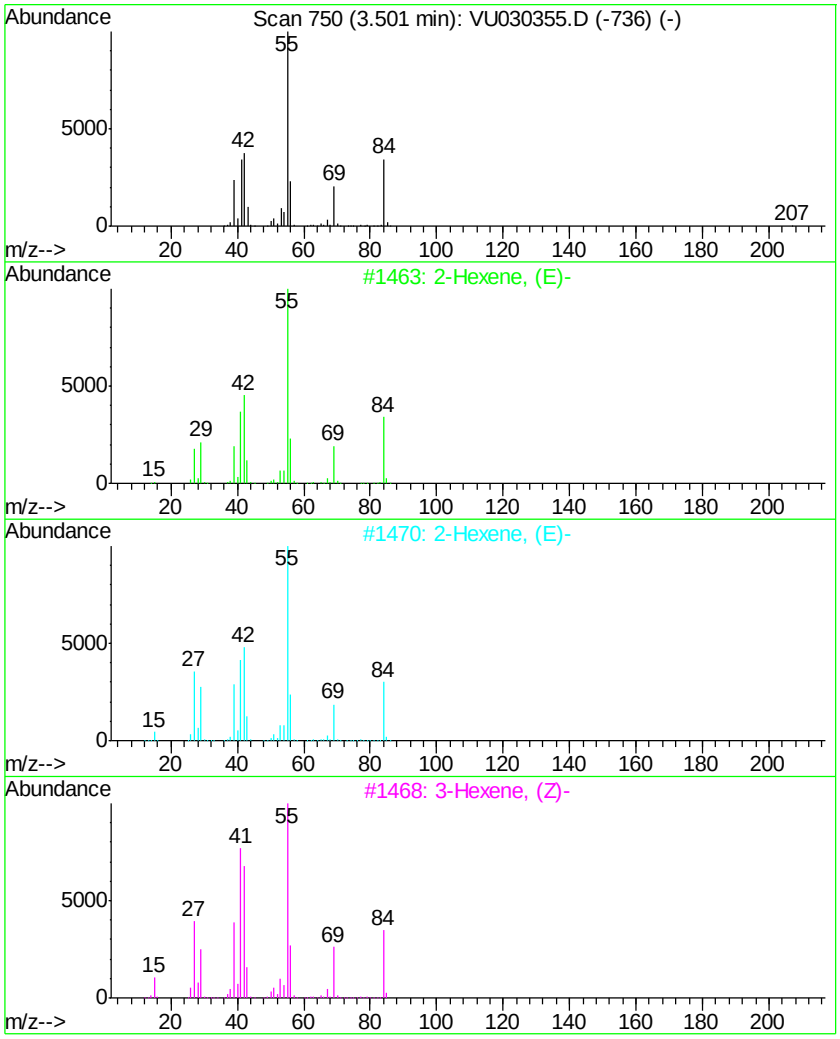
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

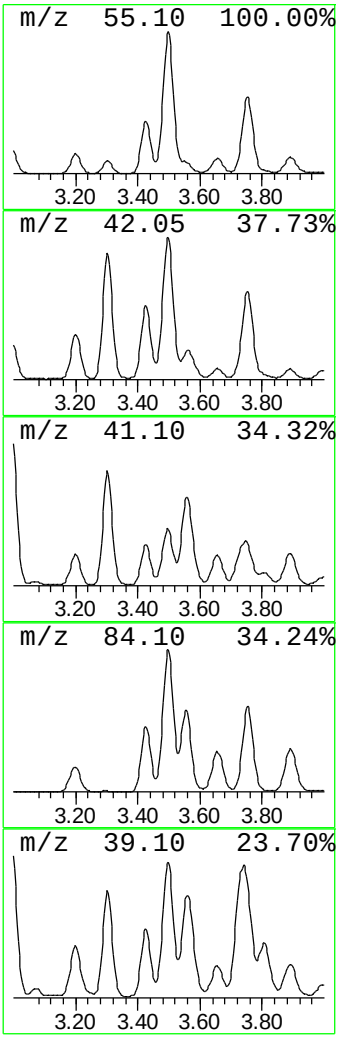
****

Peak Number 13 (DEL) Alkane: Cyclic3.50 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	75.65 ug/L	1677830	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	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
4	2-Hexene	84	C6H12	000592-43-8	91
5	2-Hexene, (Z)-	84	C6H12	007688-21-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

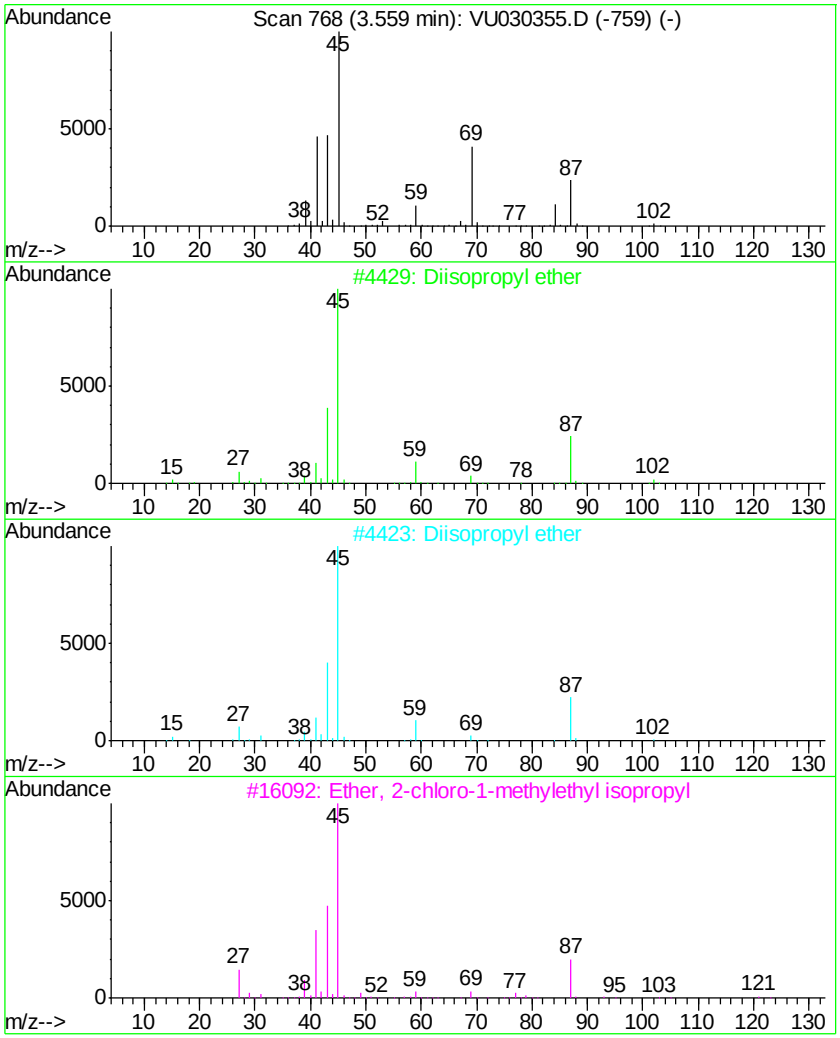
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

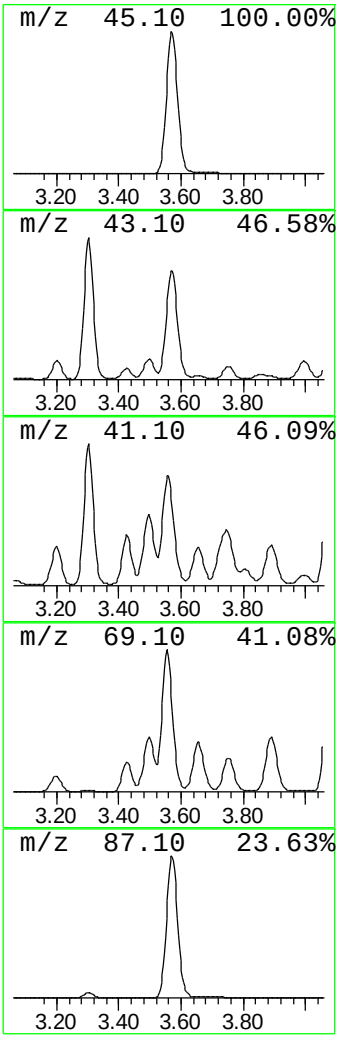
****

Peak Number 14 Diisopropyl ether Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	108.99 ug/L	2417290	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	72
2	Diisopropyl ether	102	C6H14O	000108-20-3	72
3	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	64
4	Diisopropyl ether	102	C6H14O	000108-20-3	40
5	Ether, sec-butyl isopropyl	116	C7H16O	018641-81-1	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

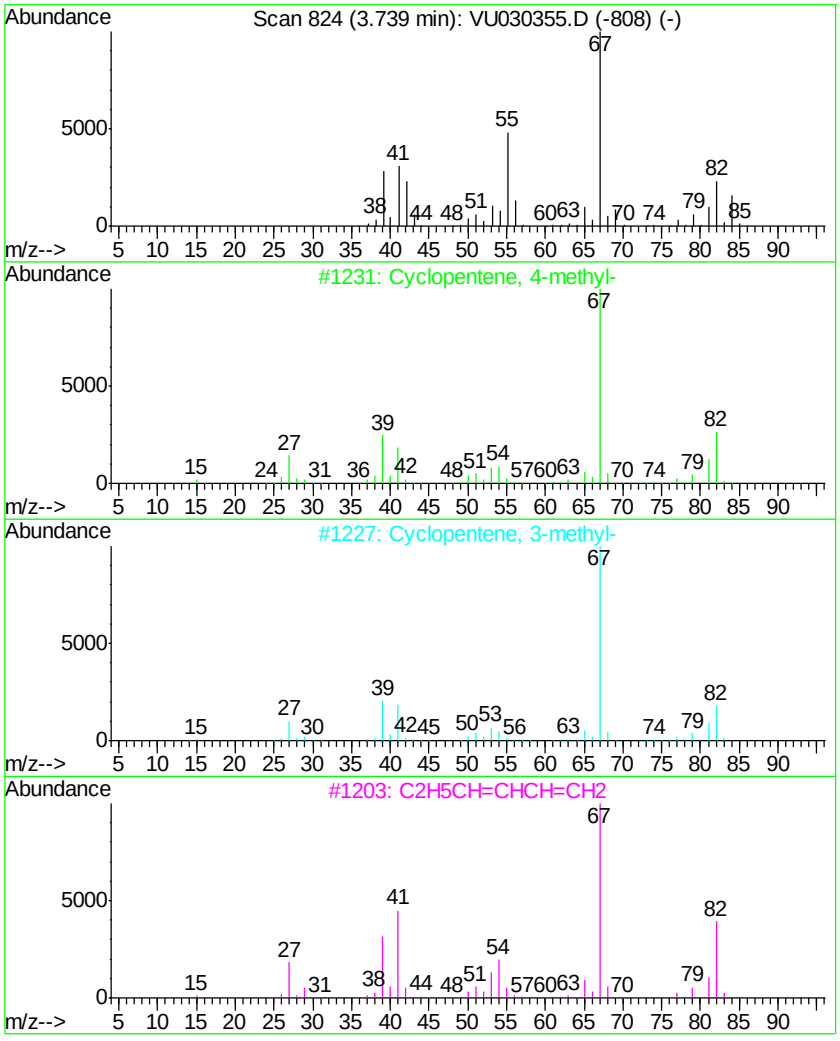
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

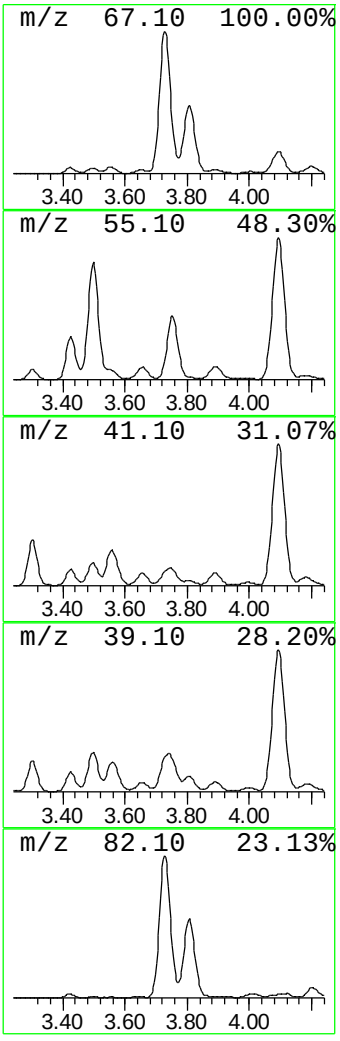
****

Peak Number 15 Cyclopentene, 4-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	107.71 ug/L	2389040	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	70
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	70
3	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	68
4	1,4-Hexadiene	82	C6H10	000592-45-0	68
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

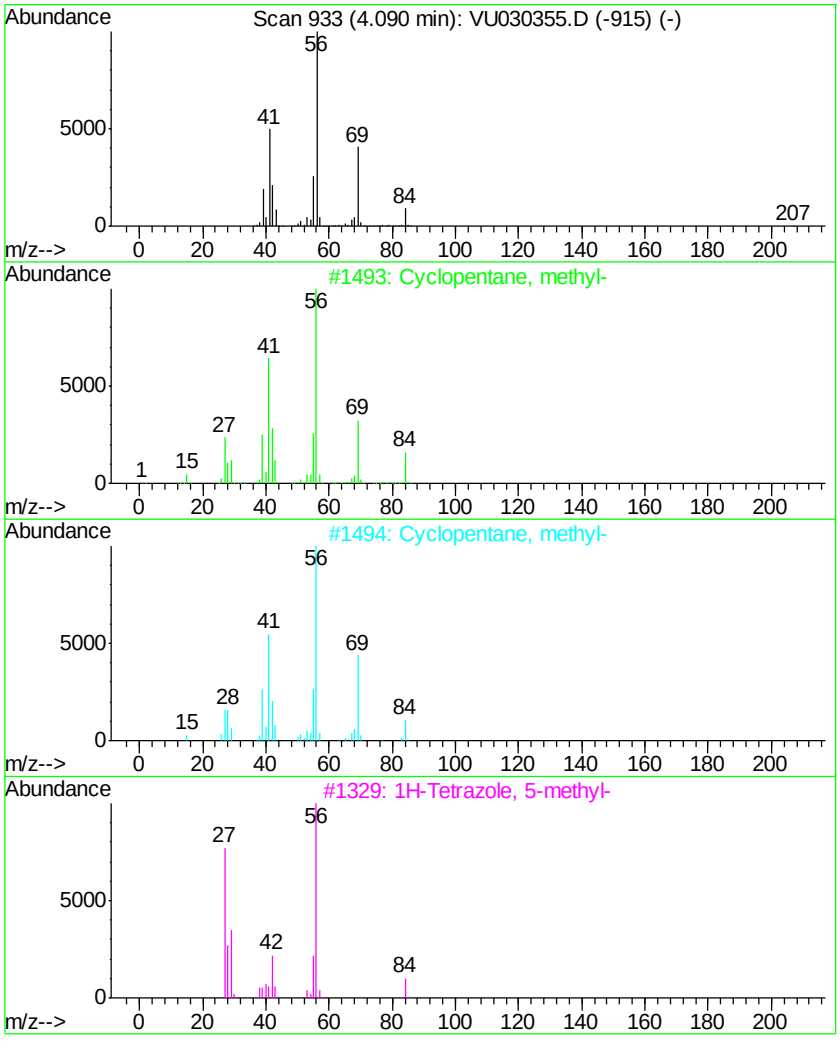
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

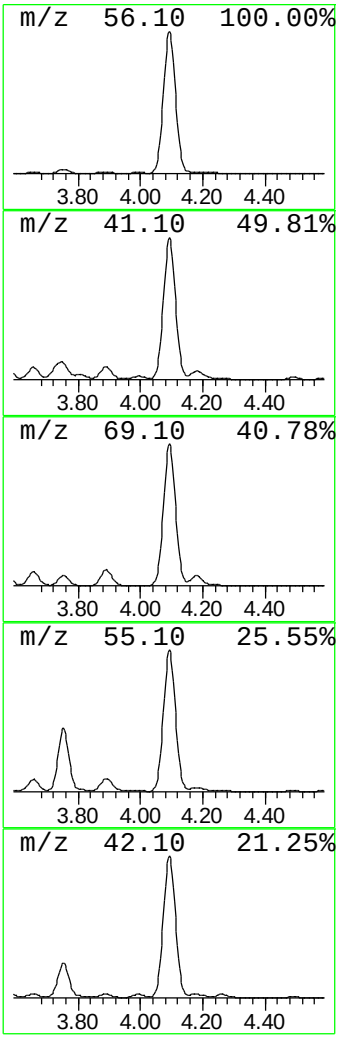
****

Peak Number 16 (DEL) Alkane: Cyclic4.09 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	459.73 ug/L	10196800	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	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	80
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

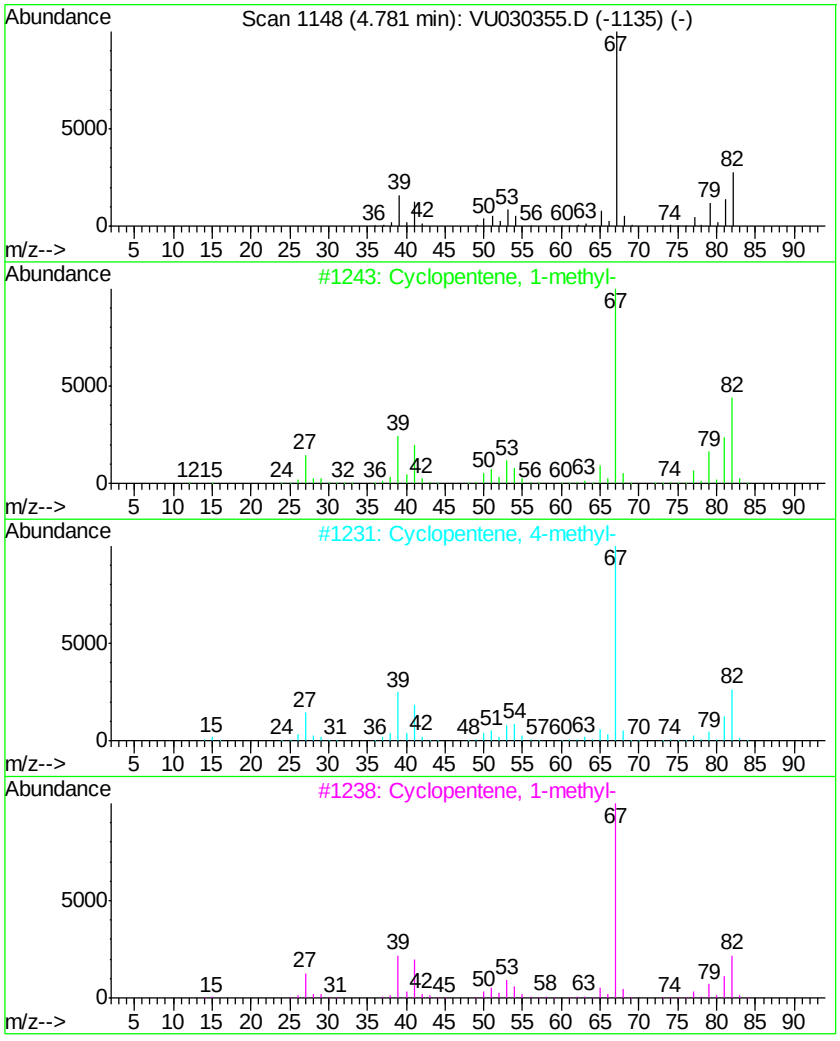
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

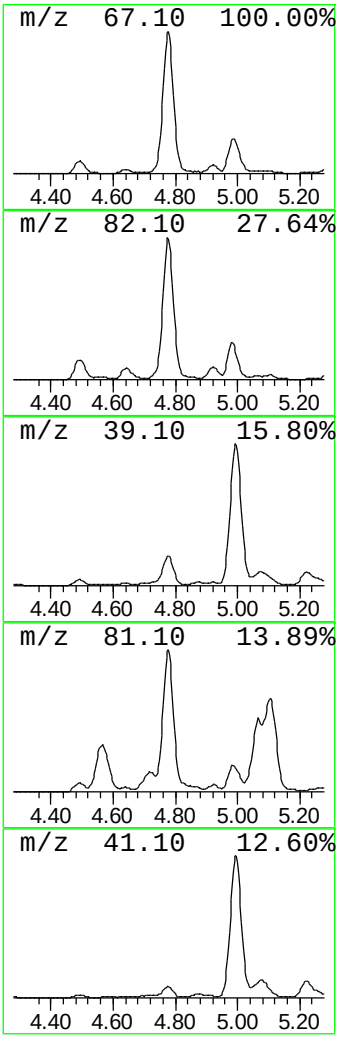
****

Peak Number 17 Cyclopentene, 1-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	72.87 ug/L	1616140	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	93
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

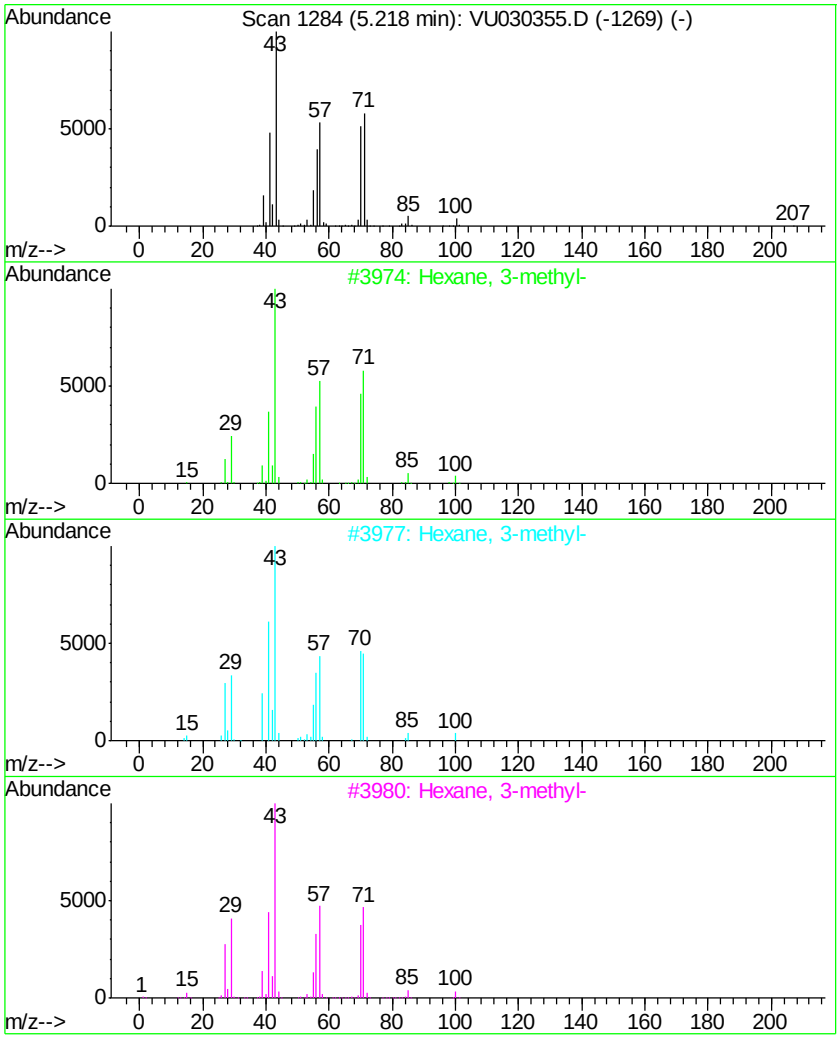
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

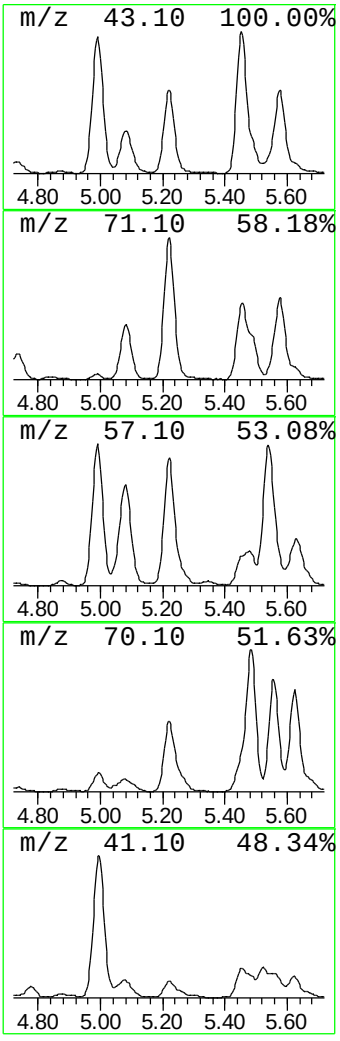
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	76.86 ug/L	1704790	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	91
4	Heptane	100	C7H16	000142-82-5	64
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

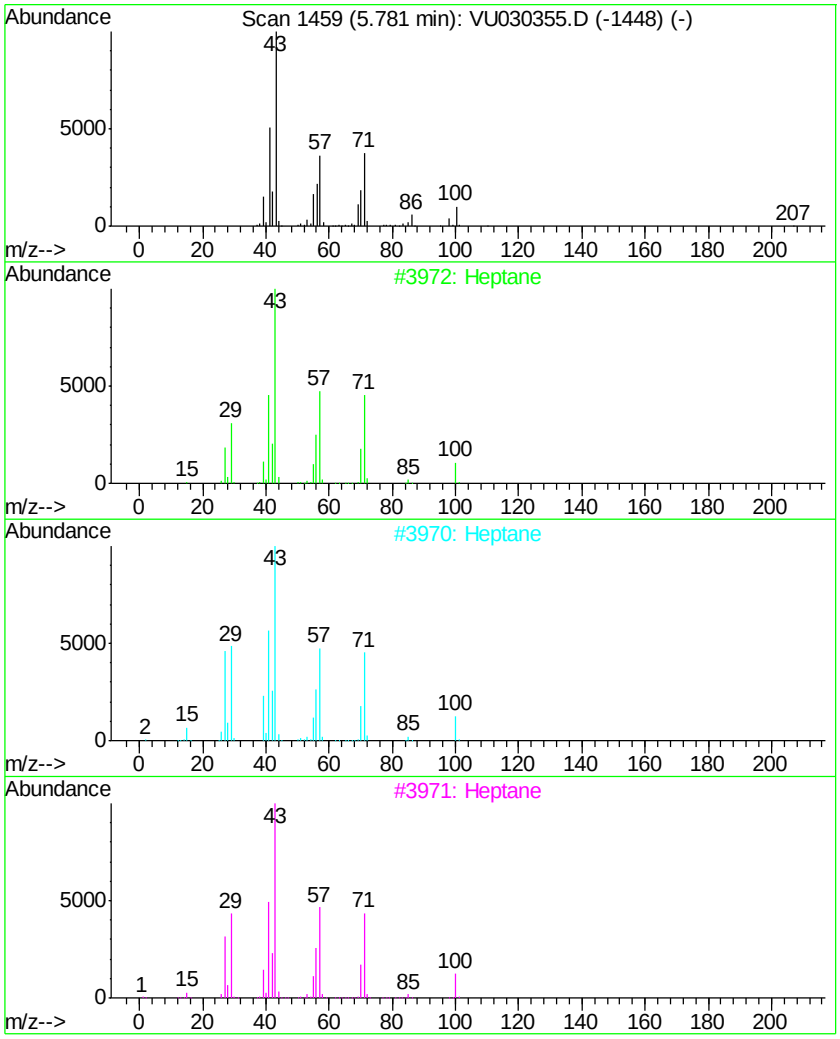
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

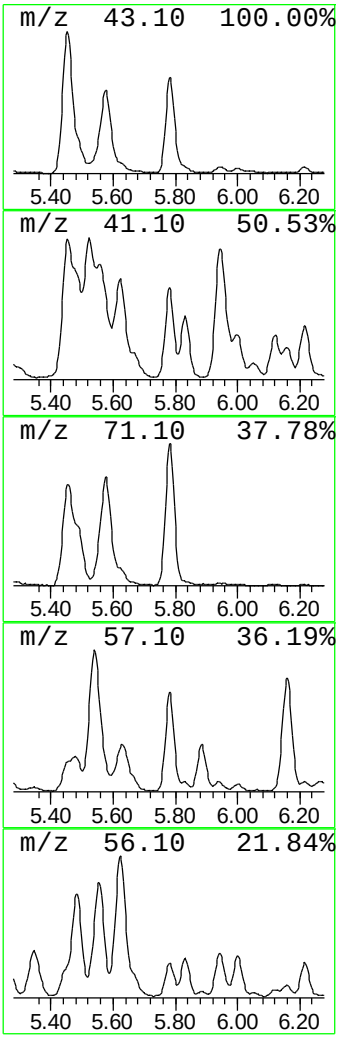
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	47.12 ug/L	1045130	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	93
2	Heptane	100	C7H16	000142-82-5	81
3	Heptane	100	C7H16	000142-82-5	81
4	Heptane	100	C7H16	000142-82-5	81
5	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

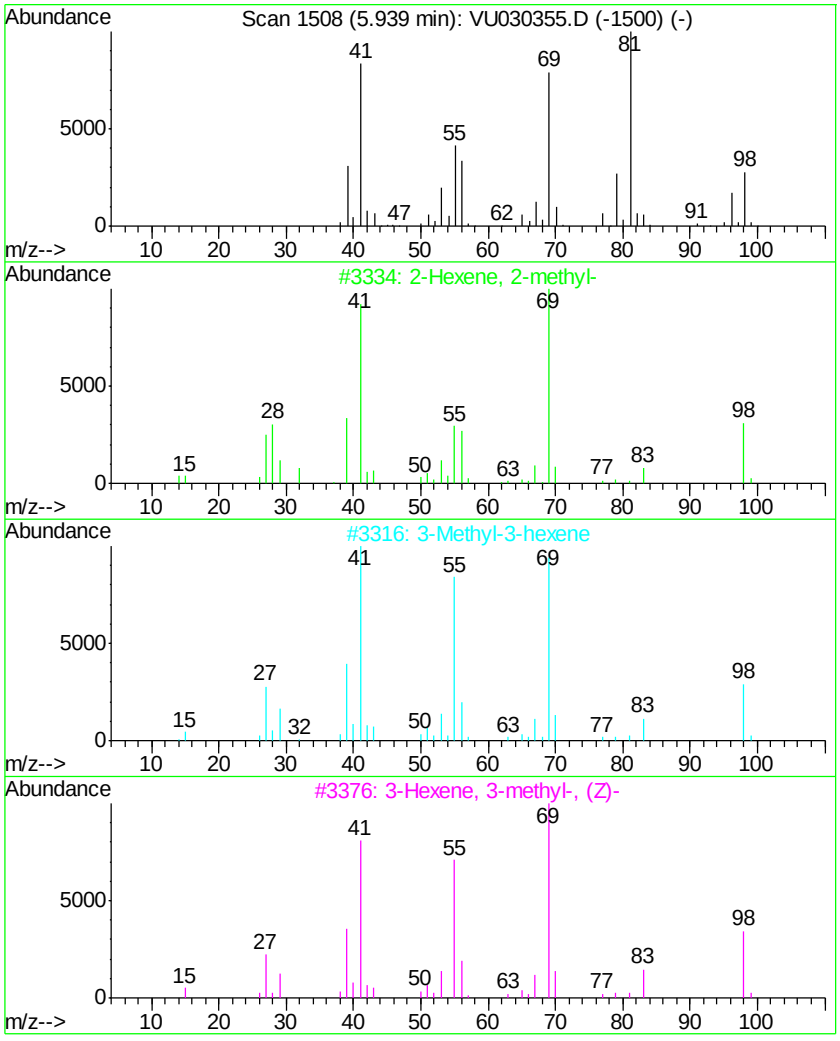
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

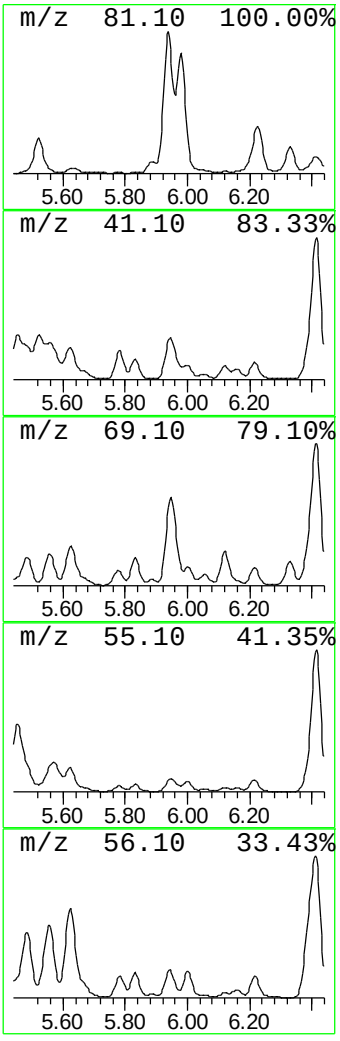
****

Peak Number 20 (DEL) Alkane: Cyclic5.94 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	109.54 ug/L	2429540	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	55
2	3-Methyl-3-hexene	98	C7H14	003404-65-7	45
3	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	45
4	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	45
5	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

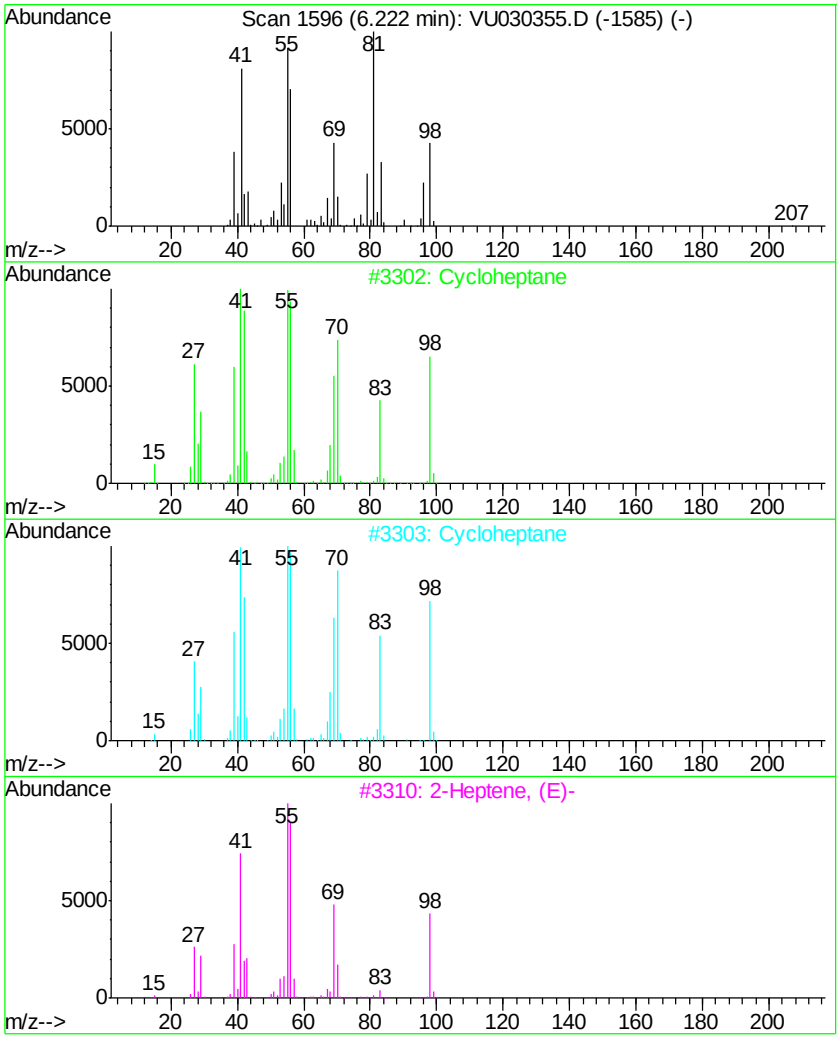
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

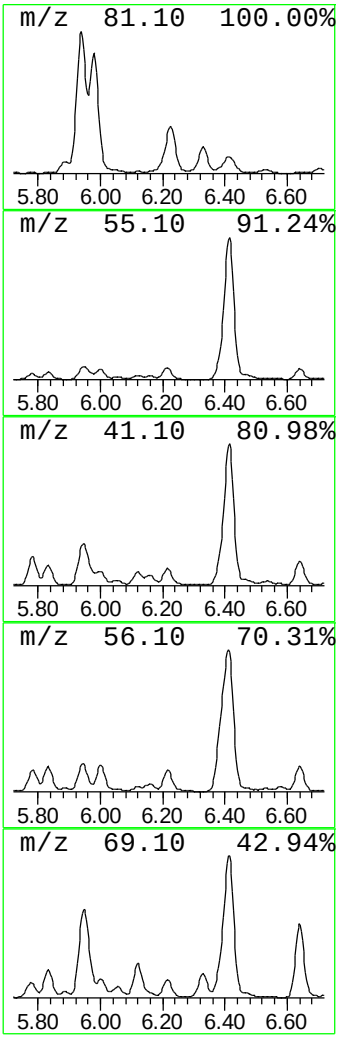
****

Peak Number 21 (DEL) Alkane: Cyclic6.22 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	33.46 ug/L	742134	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane	98	C7H14	000291-64-5	64
2	Cycloheptane	98	C7H14	000291-64-5	58
3	2-Heptene, (E)-	98	C7H14	014686-13-6	55
4	2-Heptene, (E)-	98	C7H14	014686-13-6	55
5	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

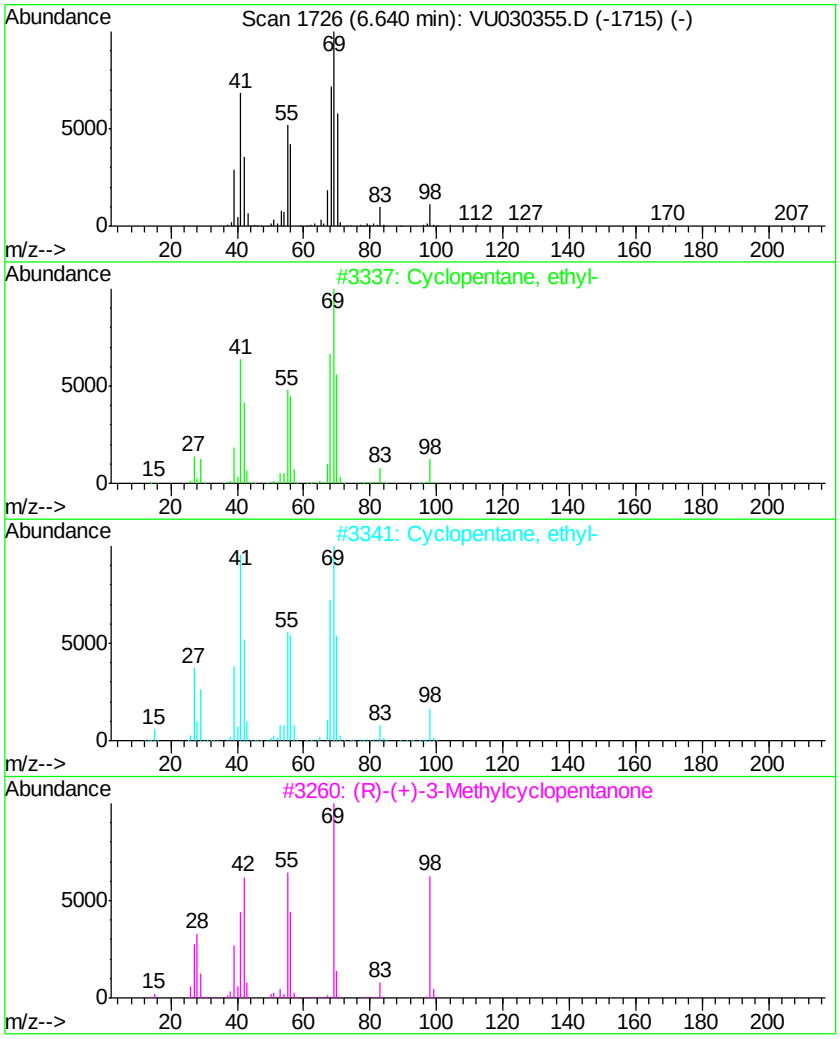
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

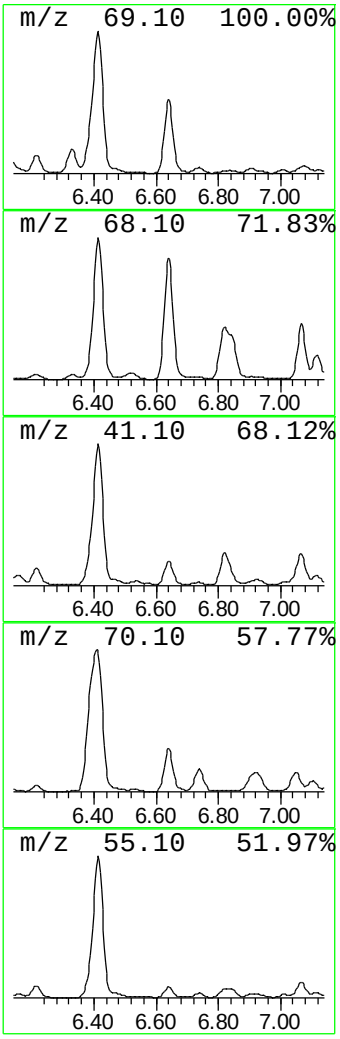
****

Peak Number 22 (DEL) Alkane: Cyclic6.64 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	40.87 ug/L	906408	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	(R)-(+)-3-Methylcyclopentanone	98	C6H10O	006672-30-6	50
4	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	47
5	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

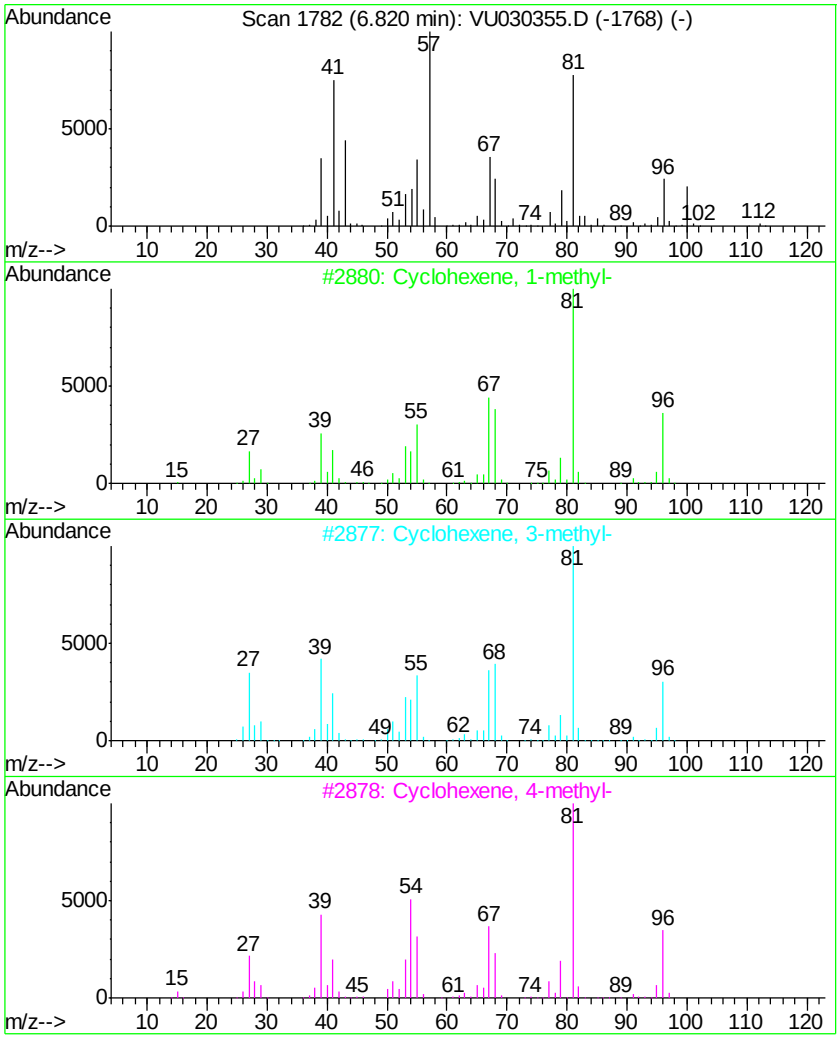
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

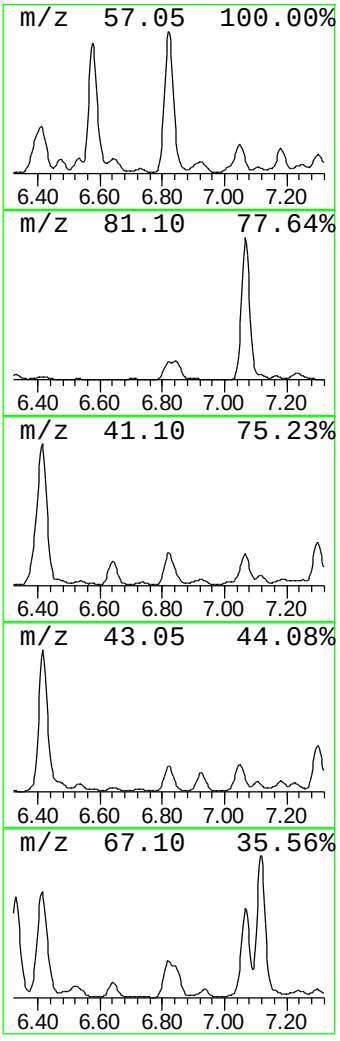
****

Peak Number 23 Cyclohexene, 1-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	94.49 ug/L	2095790	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	94
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	93
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	83
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	76
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

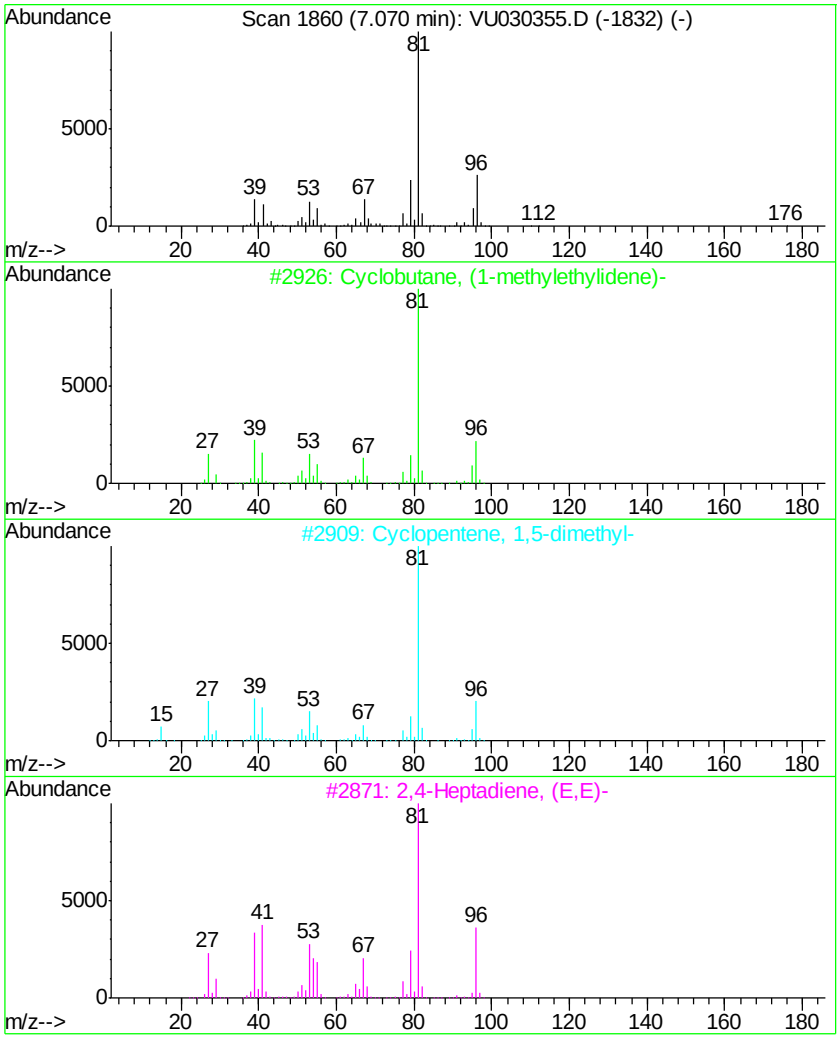
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

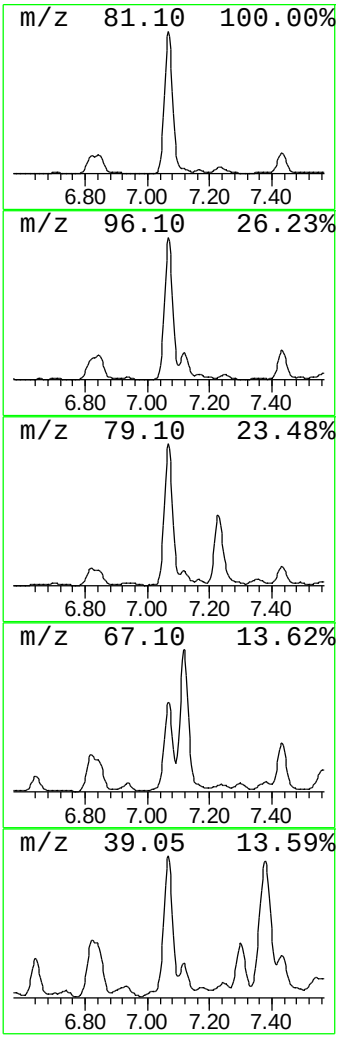
****

Peak Number 24 Cyclobutane, (1-methylethyl... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	193.17 ug/L	4284440	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
3	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	90
4	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	87
5	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

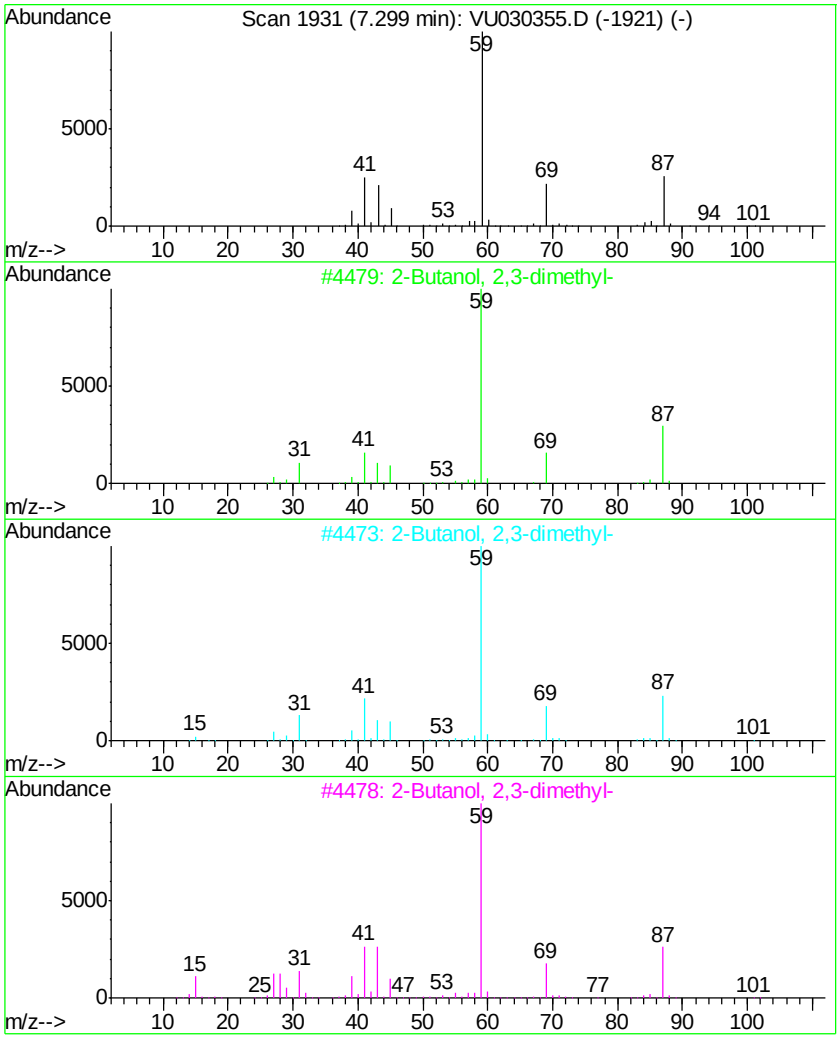
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

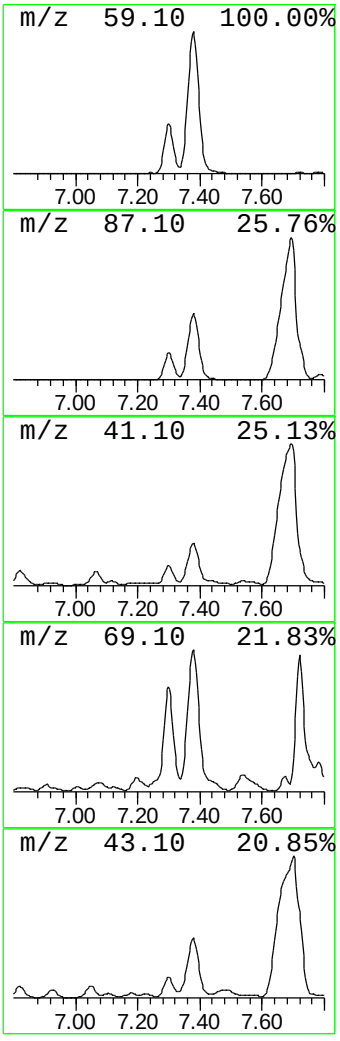
****

Peak Number 25 2-Butanol, 2,3-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	77.77 ug/L	1724890	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	83
2	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	83
3	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	83
4	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	56
5	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

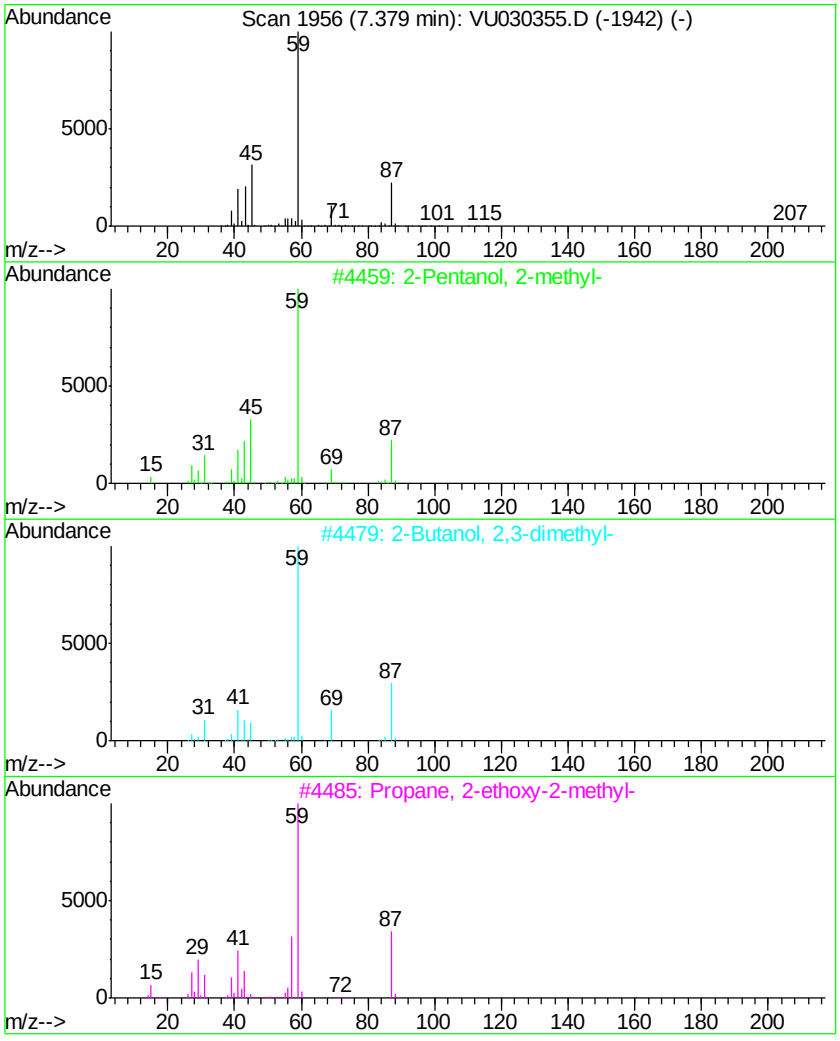
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

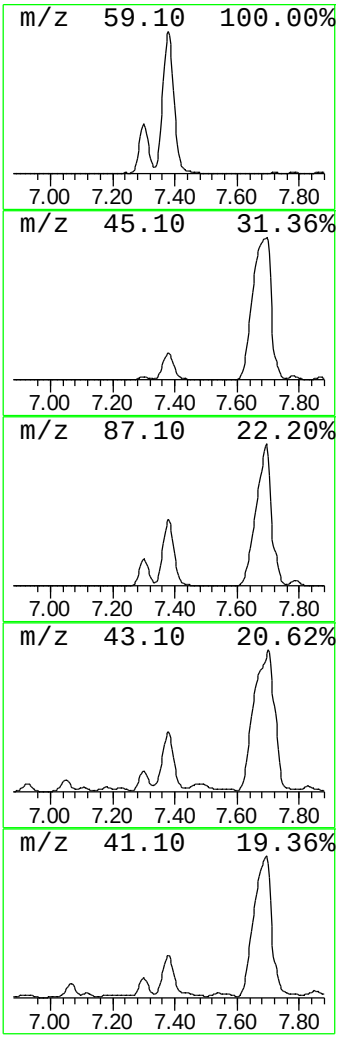
****

Peak Number 26 2-Pentanol, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.38	300.89 ug/L	6673740	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	64
3	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	59
4	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	50
5	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

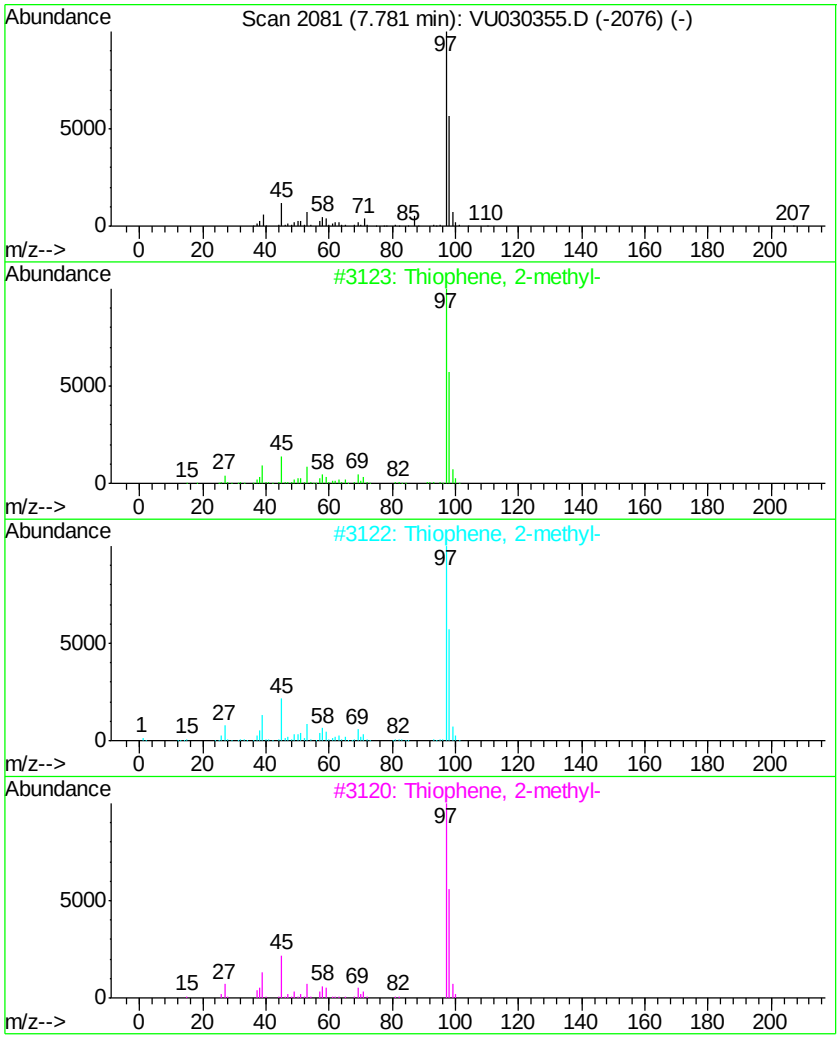
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

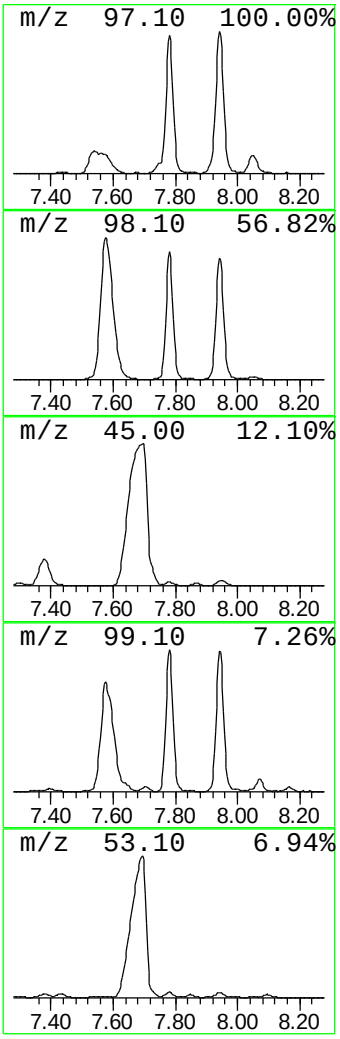
****

Peak Number 27 Thiophene, 2-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.78	63.51 ug/L	1655150	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	87
5	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

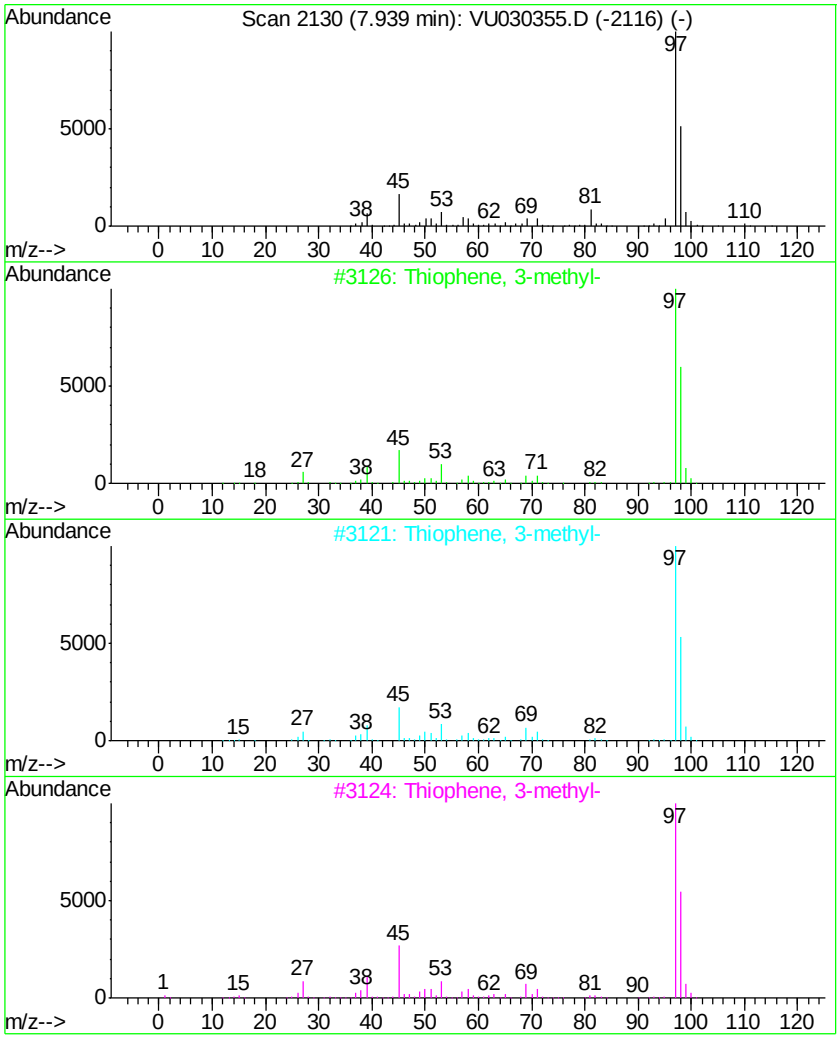
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

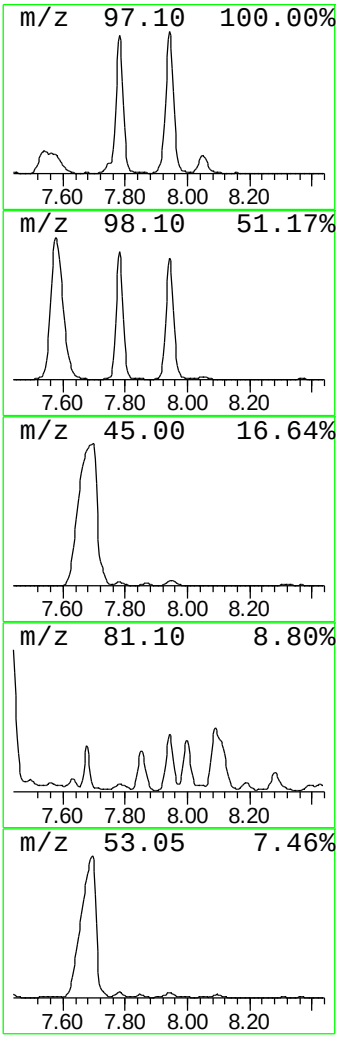
****

Peak Number 28 Thiophene, 3-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	75.68 ug/L	1972160	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	93
3	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	90
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	83
5	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

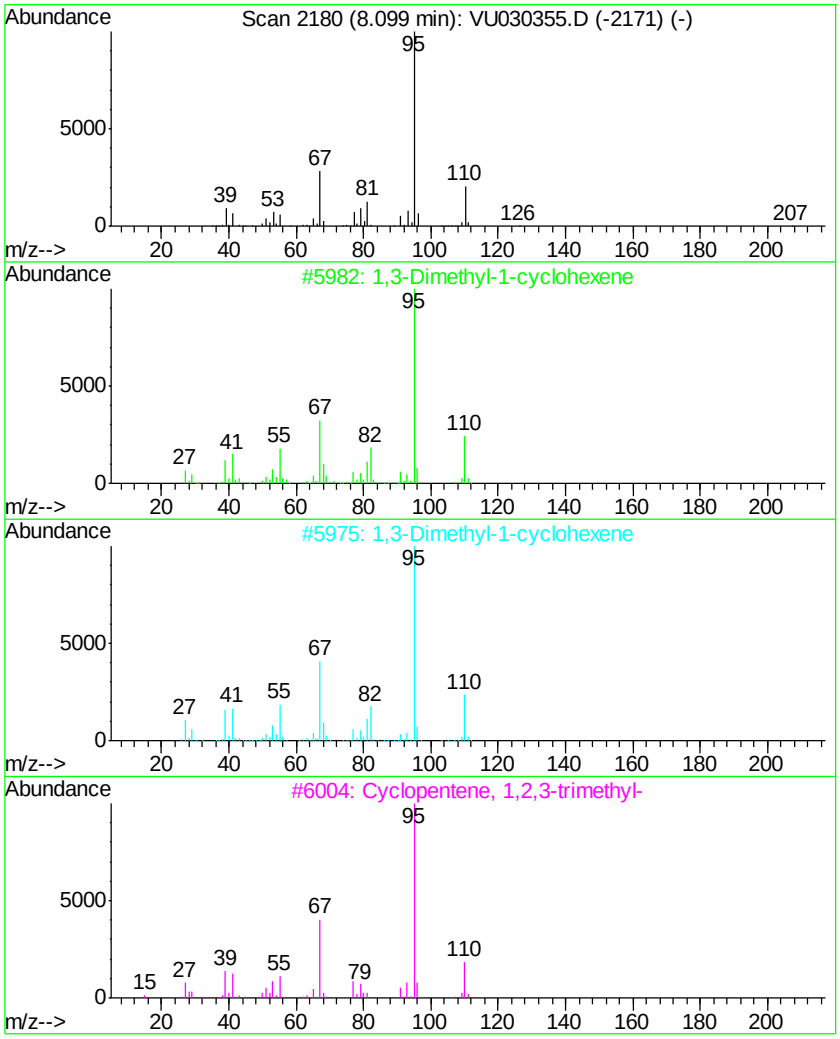
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

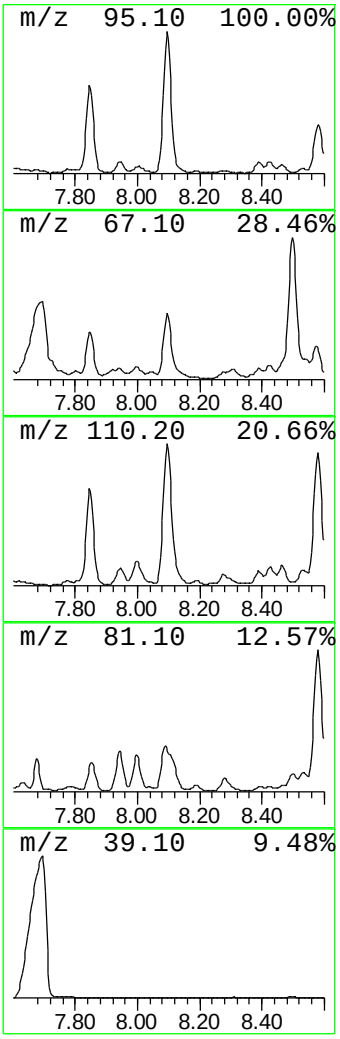
****

Peak Number 29 1,3-Dimethyl-1-cyclohexene Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	33.57 ug/L	874726	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	91
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	90
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	90
4	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	83
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

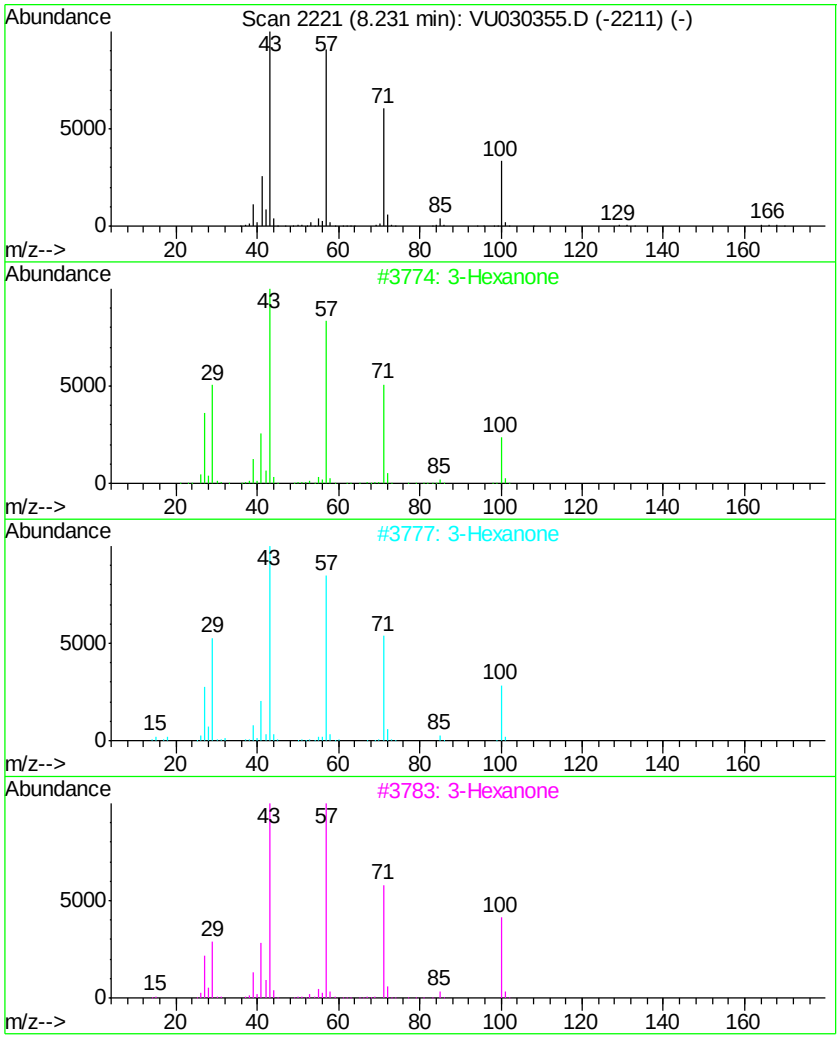
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

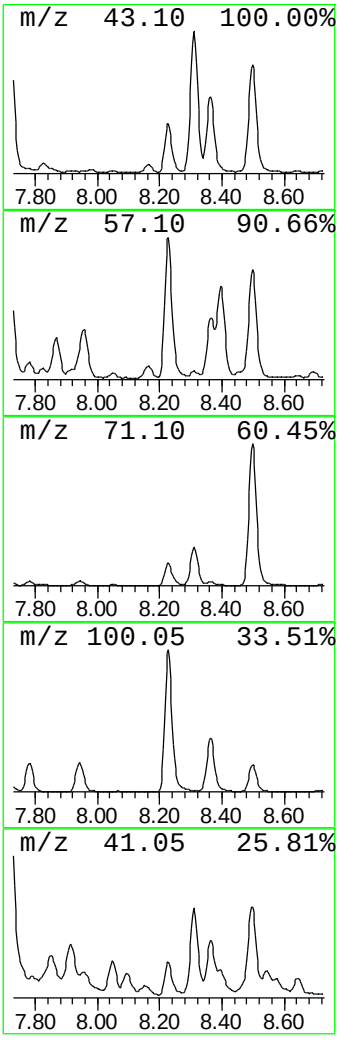
****

Peak Number 30 3-Hexanone Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	27.45 ug/L	715433	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	91
2	3-Hexanone	100	C6H12O	000589-38-8	91
3	3-Hexanone	100	C6H12O	000589-38-8	90
4	3-Hexanone	100	C6H12O	000589-38-8	86
5	3-Hexanone	100	C6H12O	000589-38-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

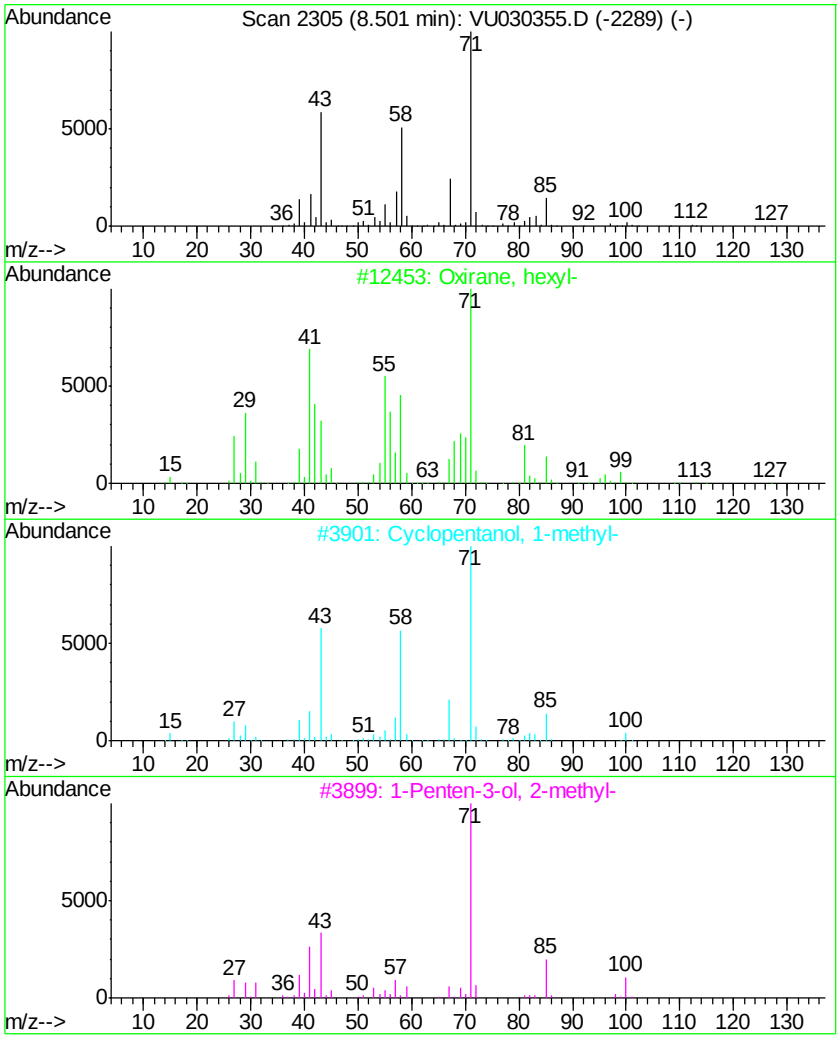
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

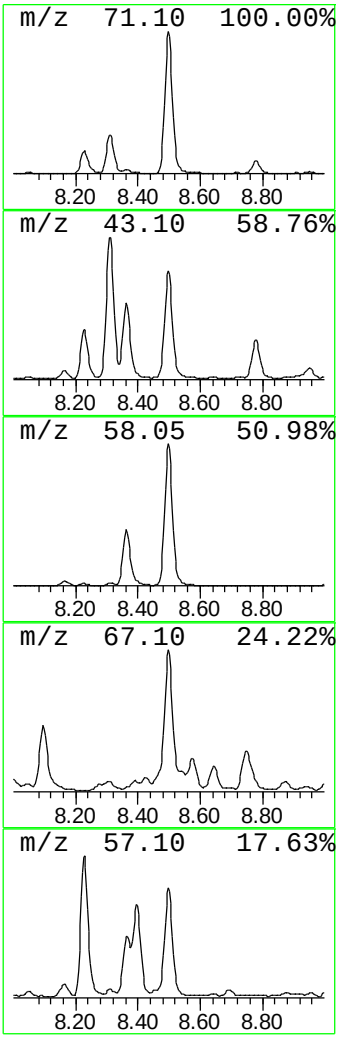
****

Peak Number 31 Oxirane, hexyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	122.18 ug/L	3184010	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexyl-	128	C8H16O	002984-50-1	56
2	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	52
3	1-Penten-3-ol, 2-methyl-	100	C6H12O	002088-07-5	47
4	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	43
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

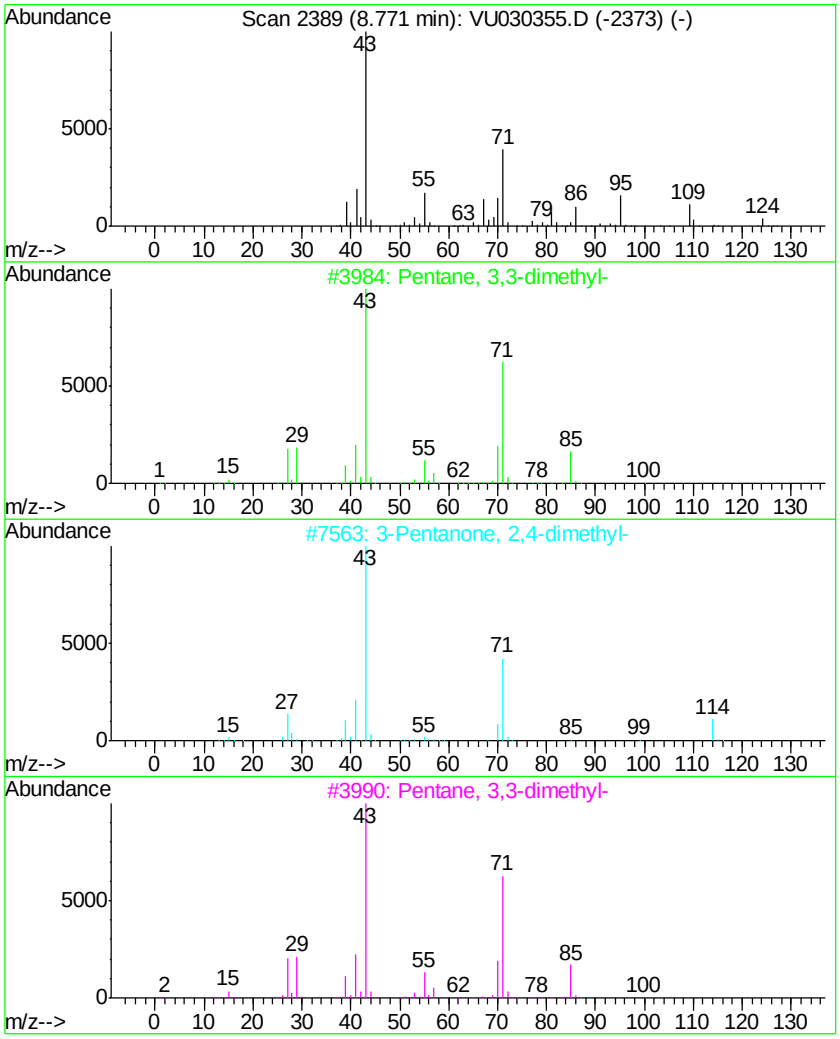
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

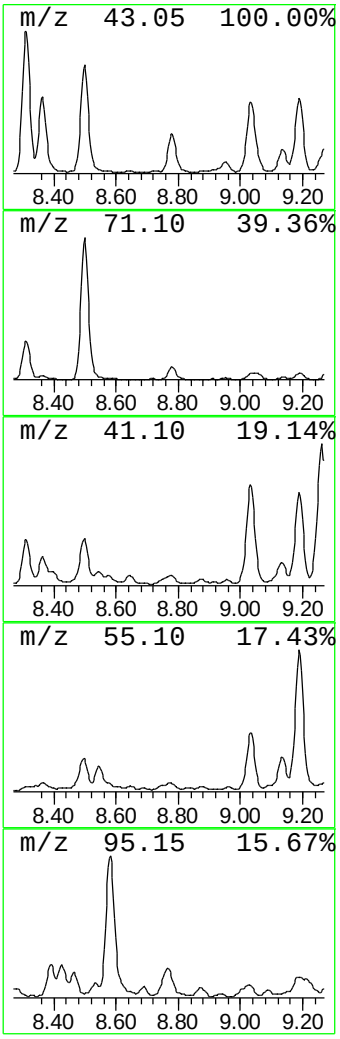
****

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	25.42 ug/L	662457	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	47
2	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	47
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	47
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	43
5	C2H5C(CH3)2COCH3	114	C7H14O	020669-04-9	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

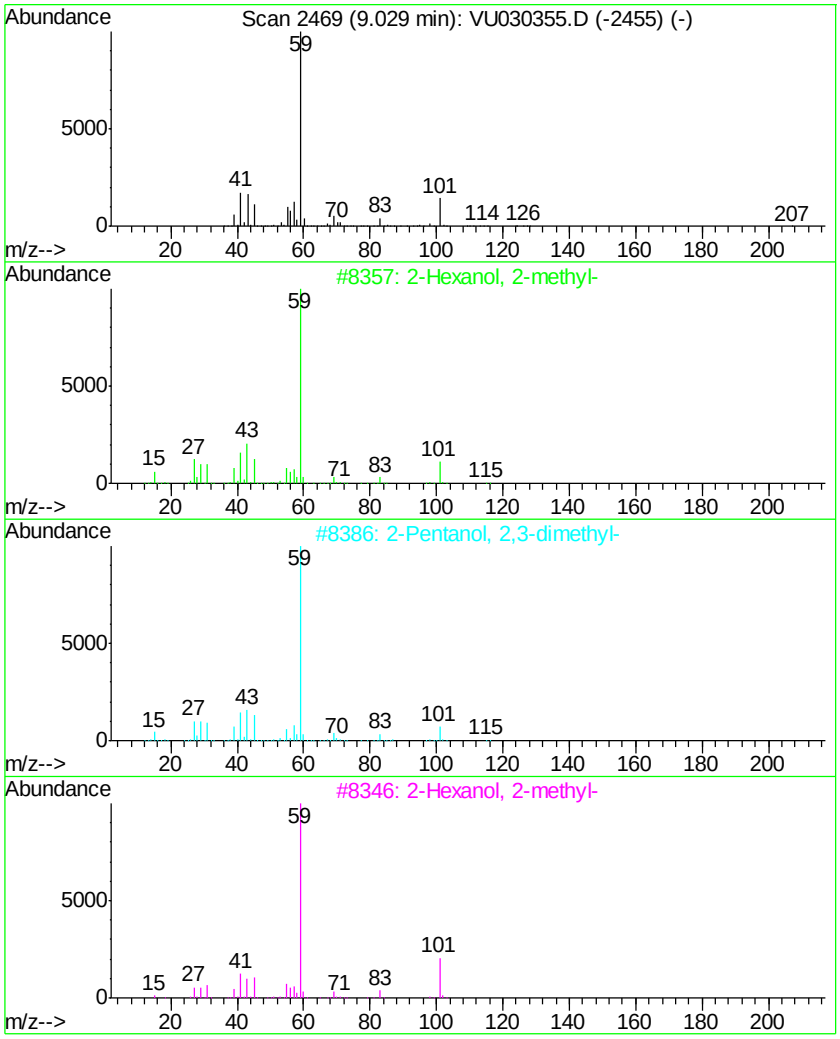
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

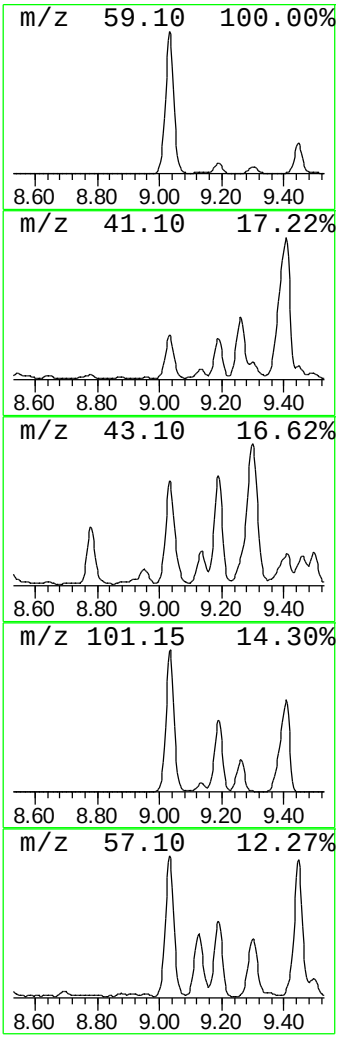
****

Peak Number 33 2-Hexanol, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	182.01 ug/L	4743200	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	83
2	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	78
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	78
4	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	72
5	Ethanol, pentamethyl-	116	C7H16O	000594-83-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

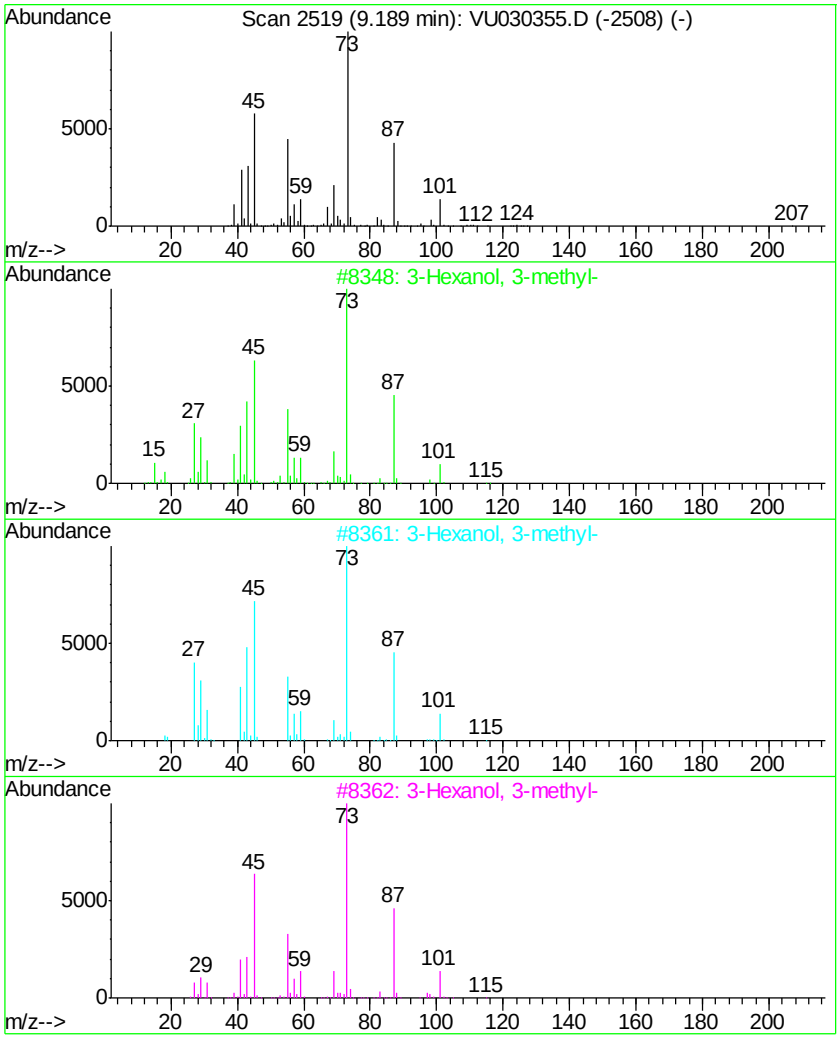
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

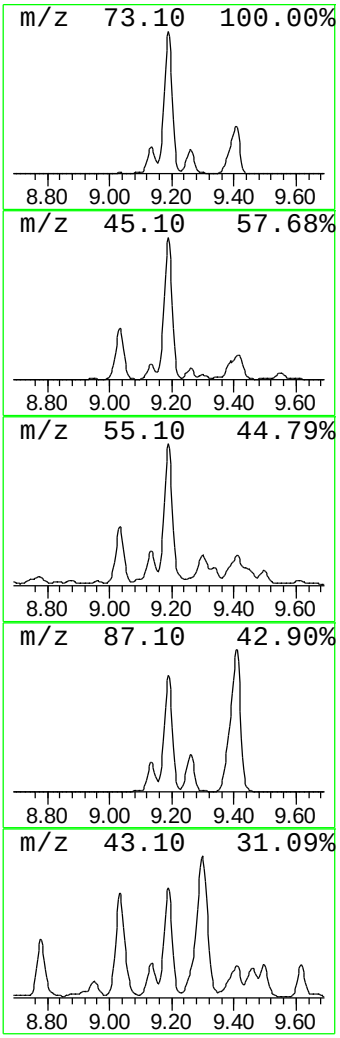
****

Peak Number 34 3-Hexanol, 3-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	165.89 ug/L	4322880	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	80
2	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	80
3	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	72
4	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	59
5	Hexane, 3-methoxy-	116	C7H16O	054658-01-4	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

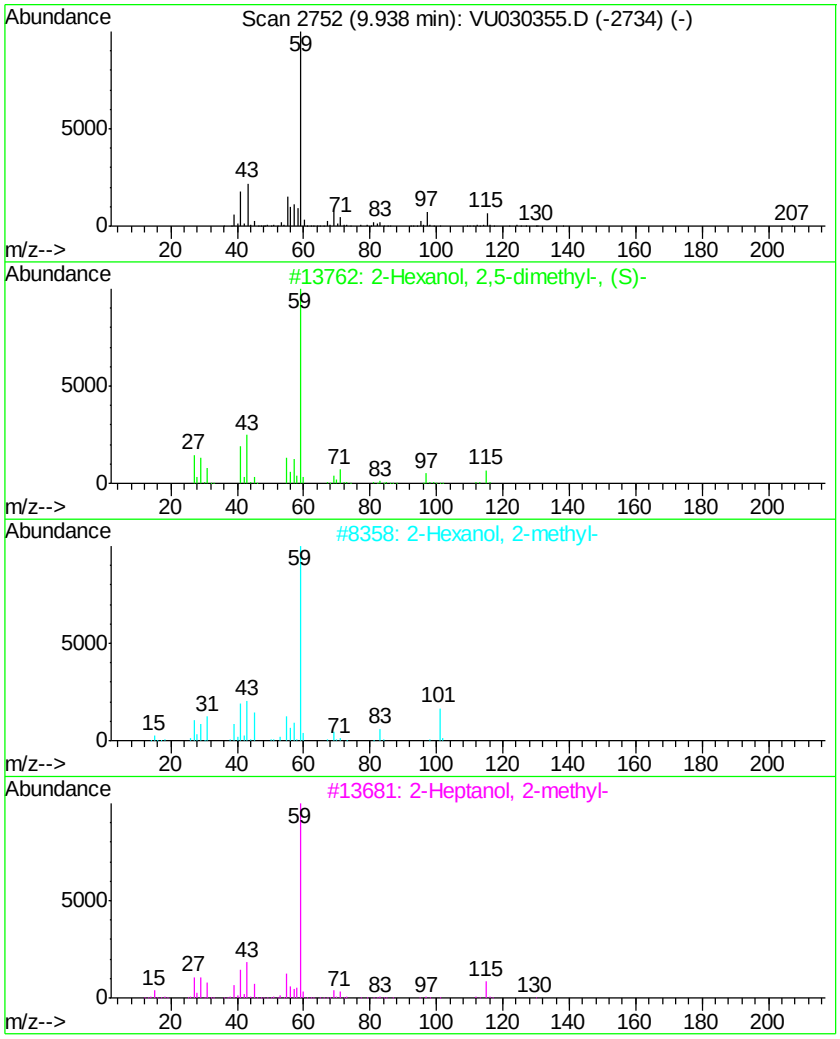
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

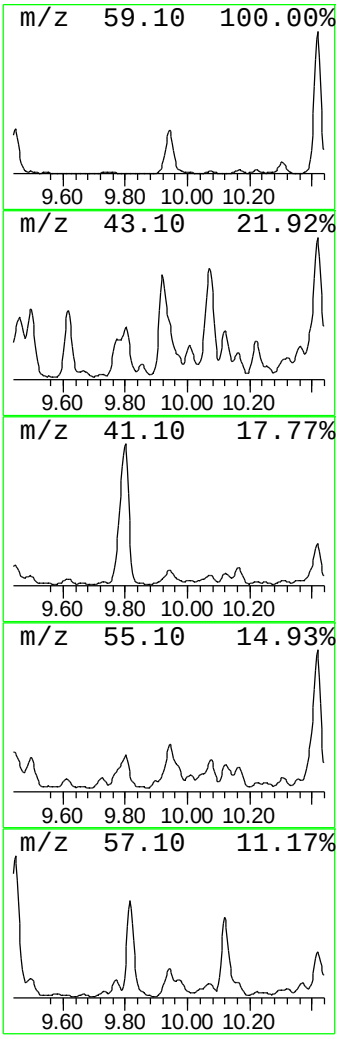
****

Peak Number 35 2-Hexanol, 2,5-dimethyl-, (S)- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	60.51 ug/L	1576750	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	78
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	72
3	2-Heptanol, 2-methyl-	130	C8H18O	000625-25-2	72
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	50
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

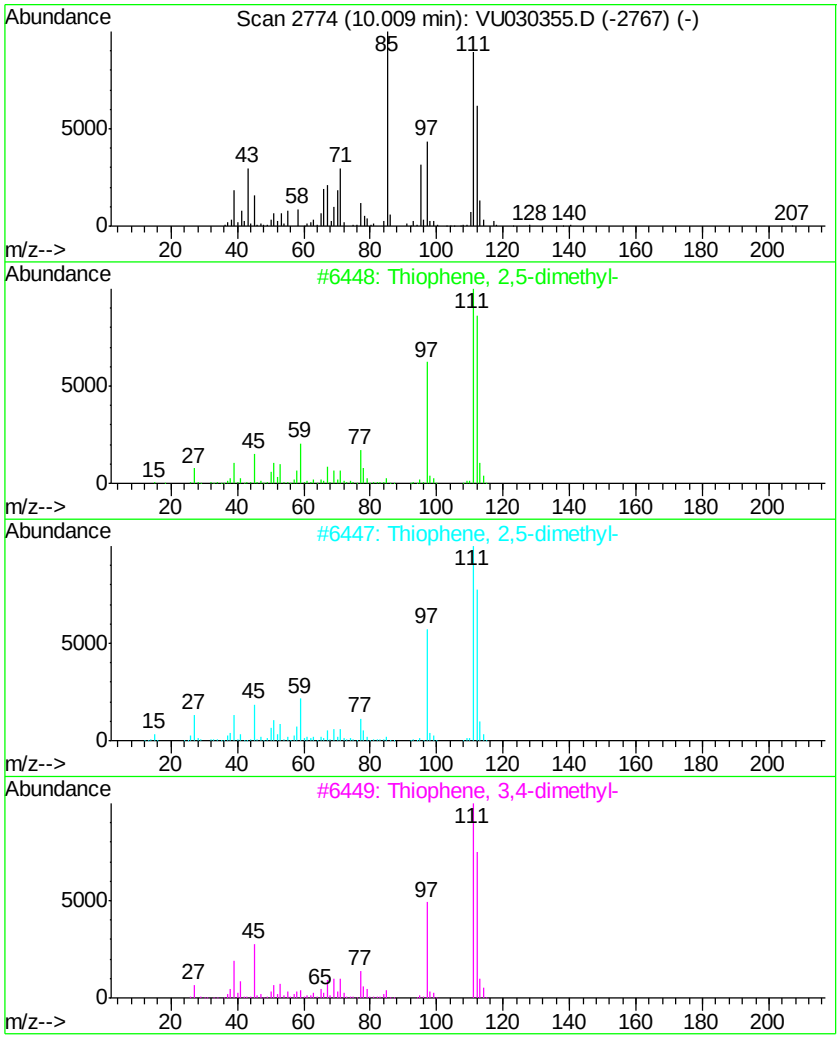
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

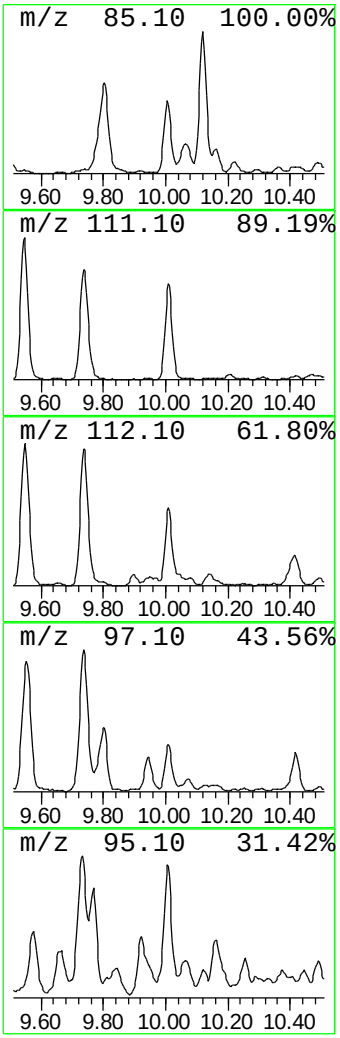
****

Peak Number 36 Thiophene, 2,5-dimethyl- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	24.77 ug/L	645448	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	55
2	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	49
3	Thiophene, 3,4-dimethyl-	112	C6H8S	000632-15-5	49
4	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	49
5	Thiophene, 2,5-dimethyl-	112	C6H8S	000638-02-8	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

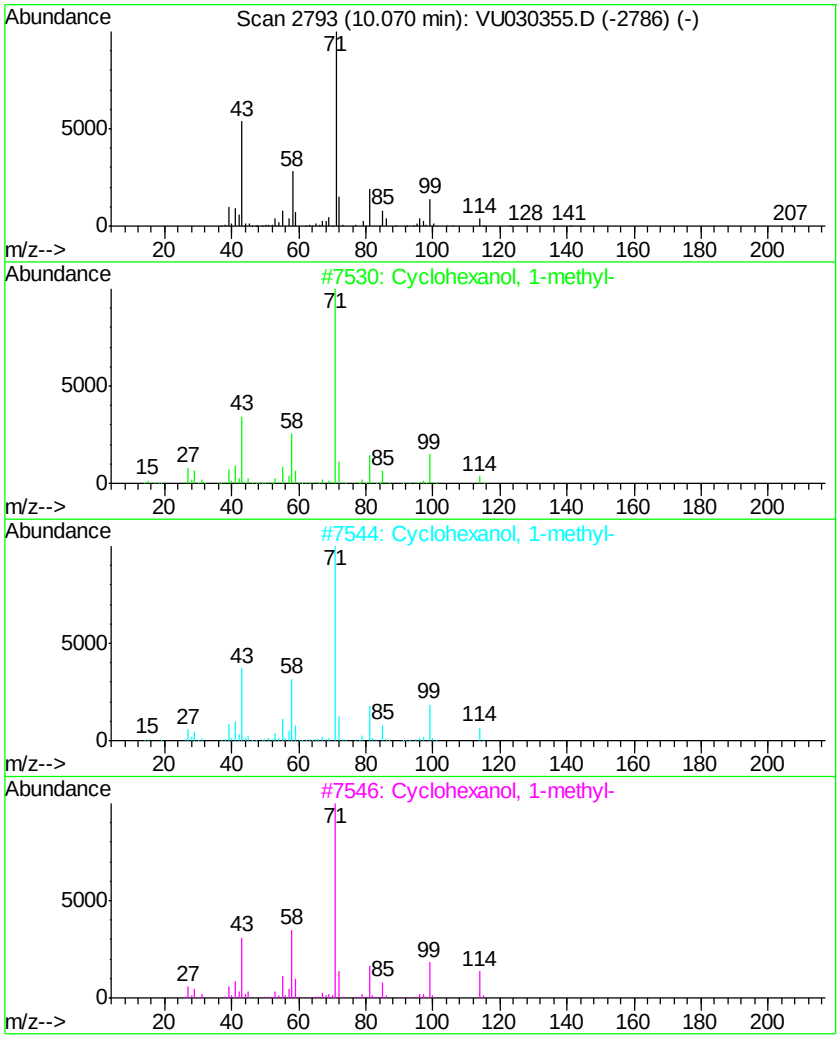
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

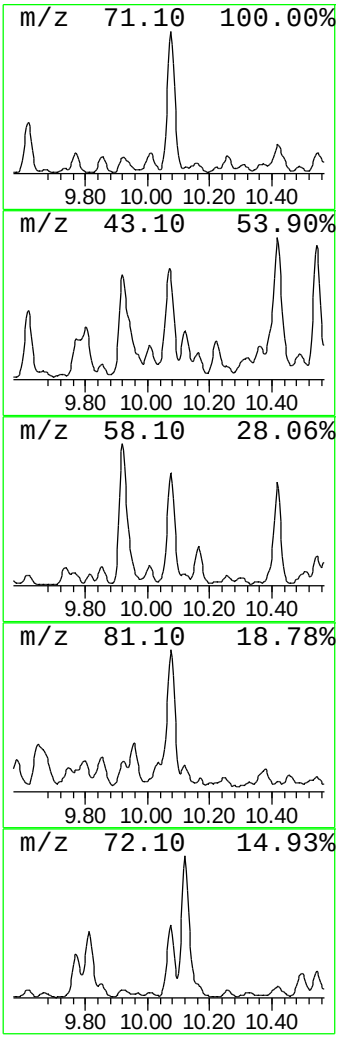
****

Peak Number 37 Cyclohexanol, 1-methyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	35.57 ug/L	926996	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 1-methyl-	114	C7H14O	000590-67-0	91
2	Cyclohexanol, 1-methyl-	114	C7H14O	000590-67-0	91
3	Cyclohexanol, 1-methyl-	114	C7H14O	000590-67-0	90
4	Cyclohexanol, 1-methyl-	114	C7H14O	000590-67-0	78
5	Cyclohexanol, 1-methyl-	114	C7H14O	000590-67-0	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

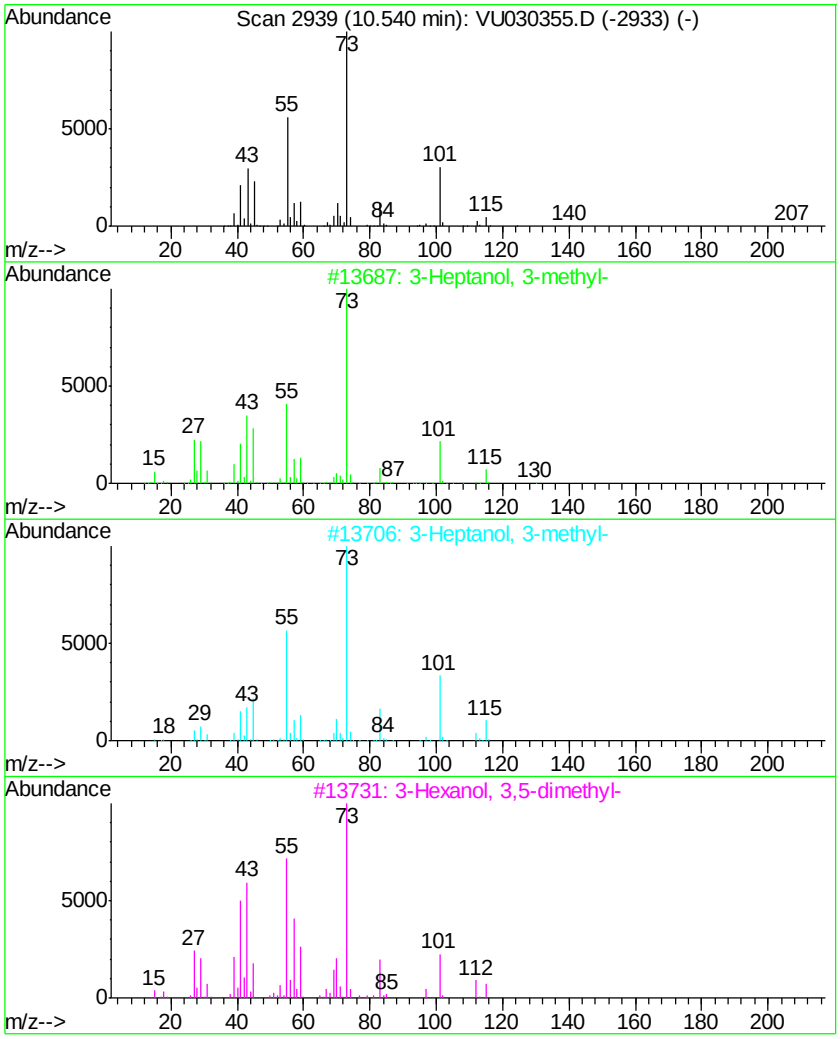
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

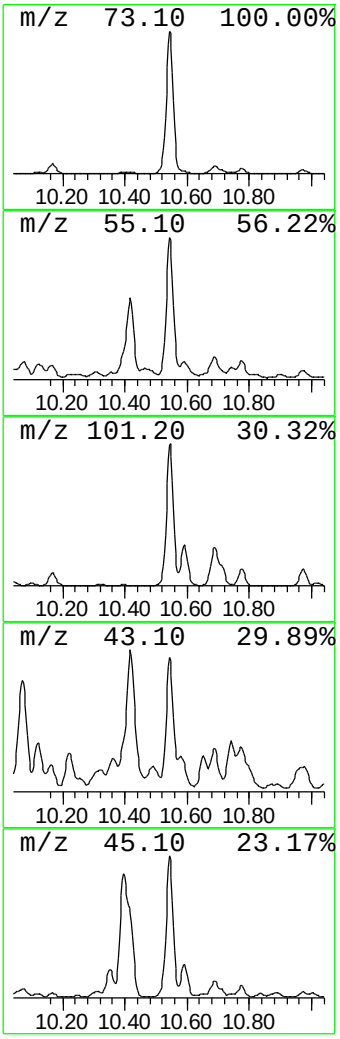
****

Peak Number 38 3-Heptanol, 3-methyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	53.90 ug/L	1997760	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	64
2	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	56
3	3-Hexanol, 3,5-dimethyl-	130	C8H18O	004209-91-0	50
4	3,4-Dimethyl-3-hexanol	130	C8H18O	019550-08-4	50
5	3,4,4-Trimethyl-3-pentanol	130	C8H18O	007294-05-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

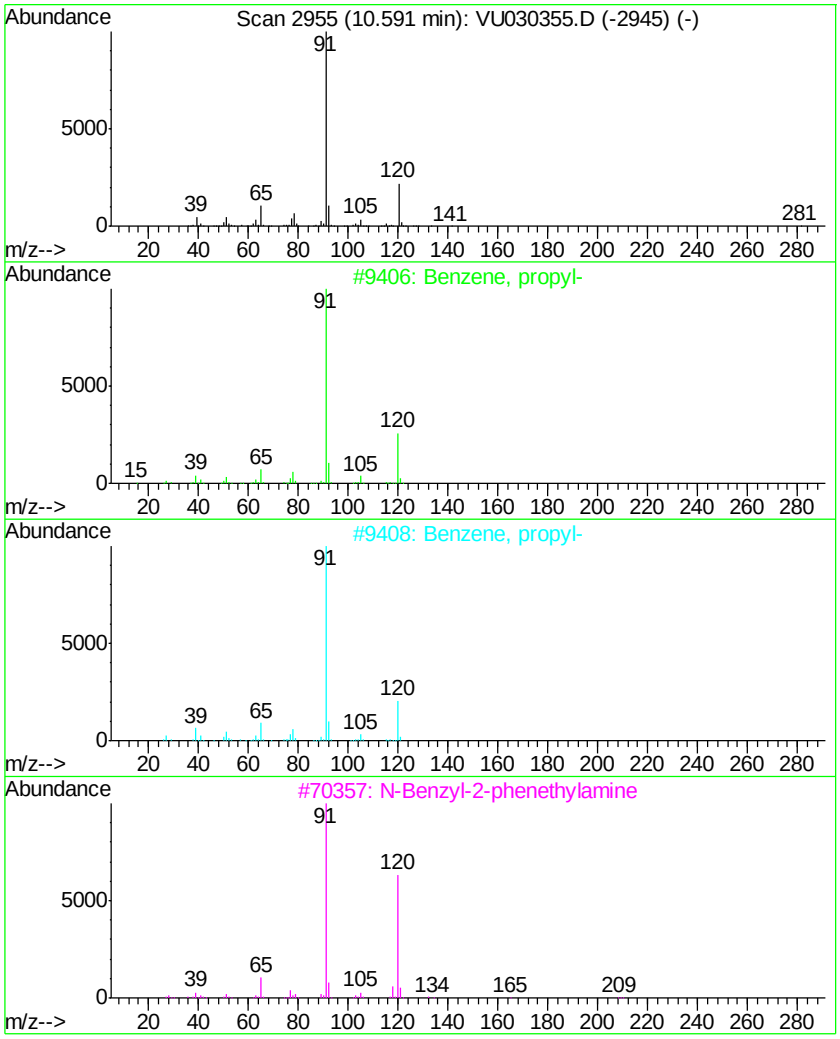
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

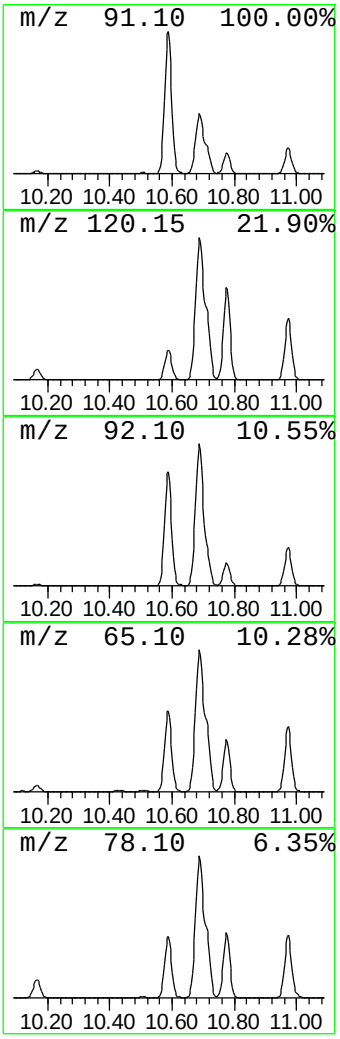
****

Peak Number 39 Benzene, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	429.97 ug/L	15937700	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	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

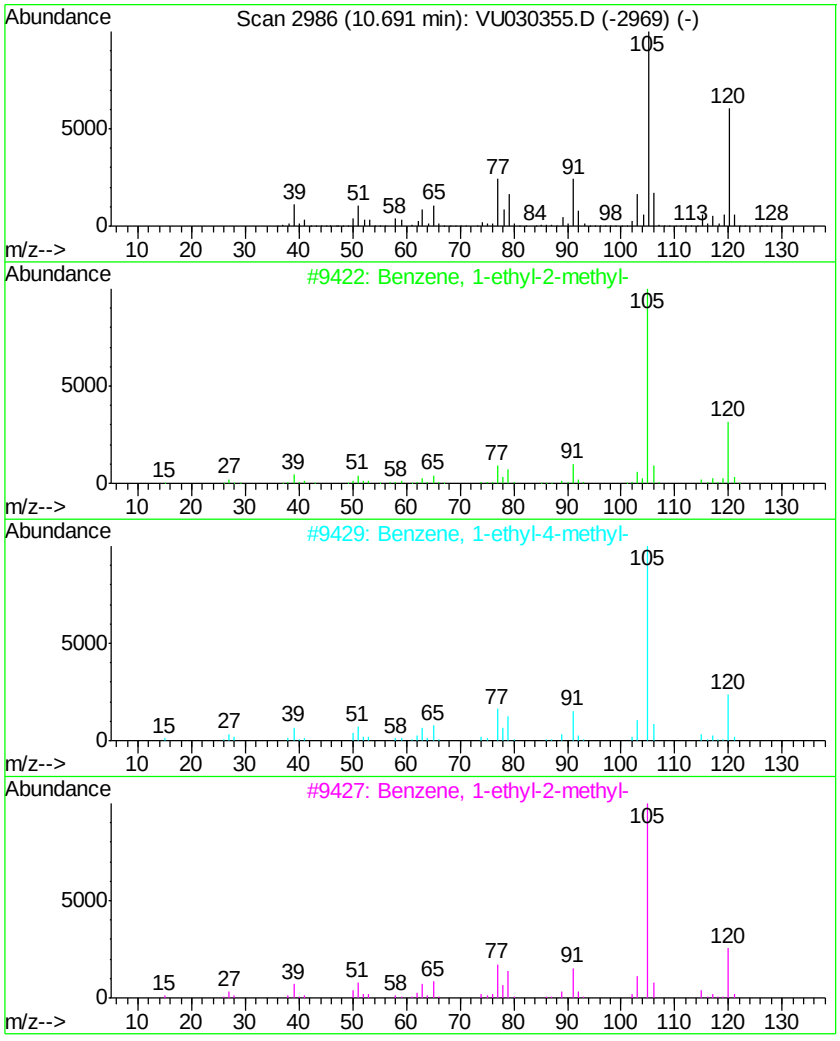
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

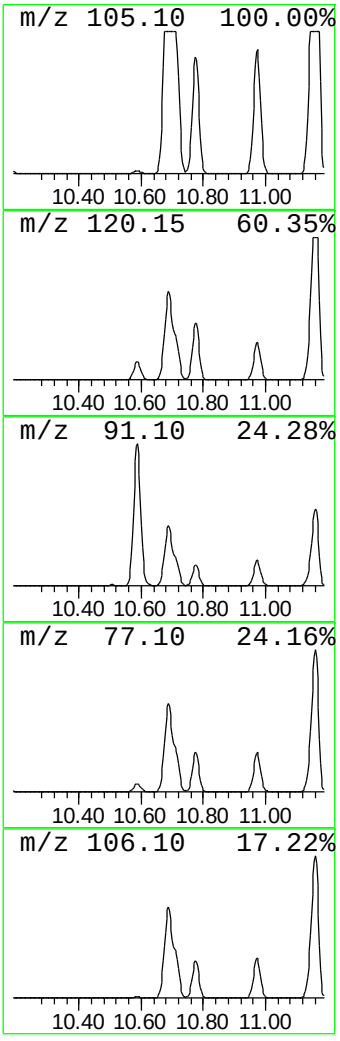
****

Peak Number 40 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	2520.04 ug/L	93409700	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	90
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4	Mesitylene	120	C9H12	000108-67-8	86
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

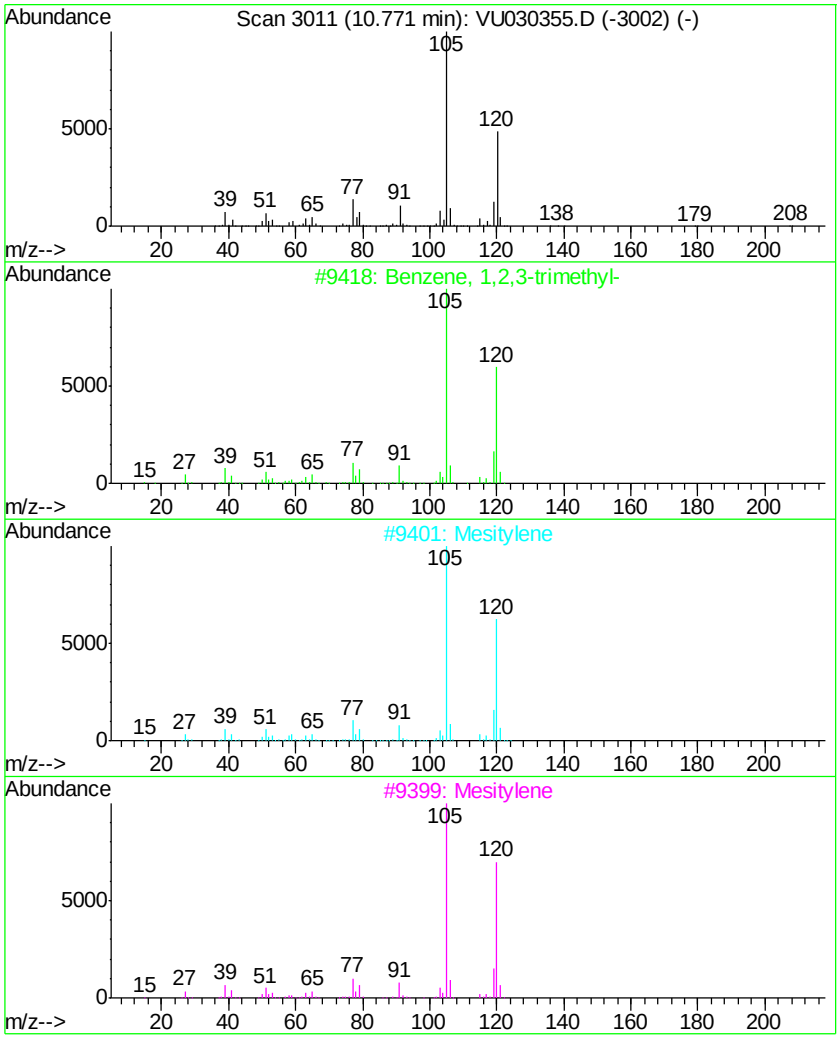
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

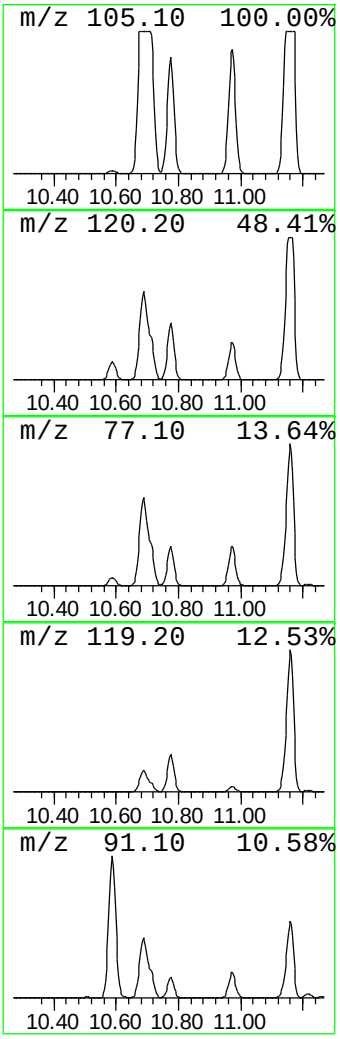
****

Peak Number 41 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	821.98 ug/L	30468000	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	Mesitylene	120	C9H12	000108-67-8	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

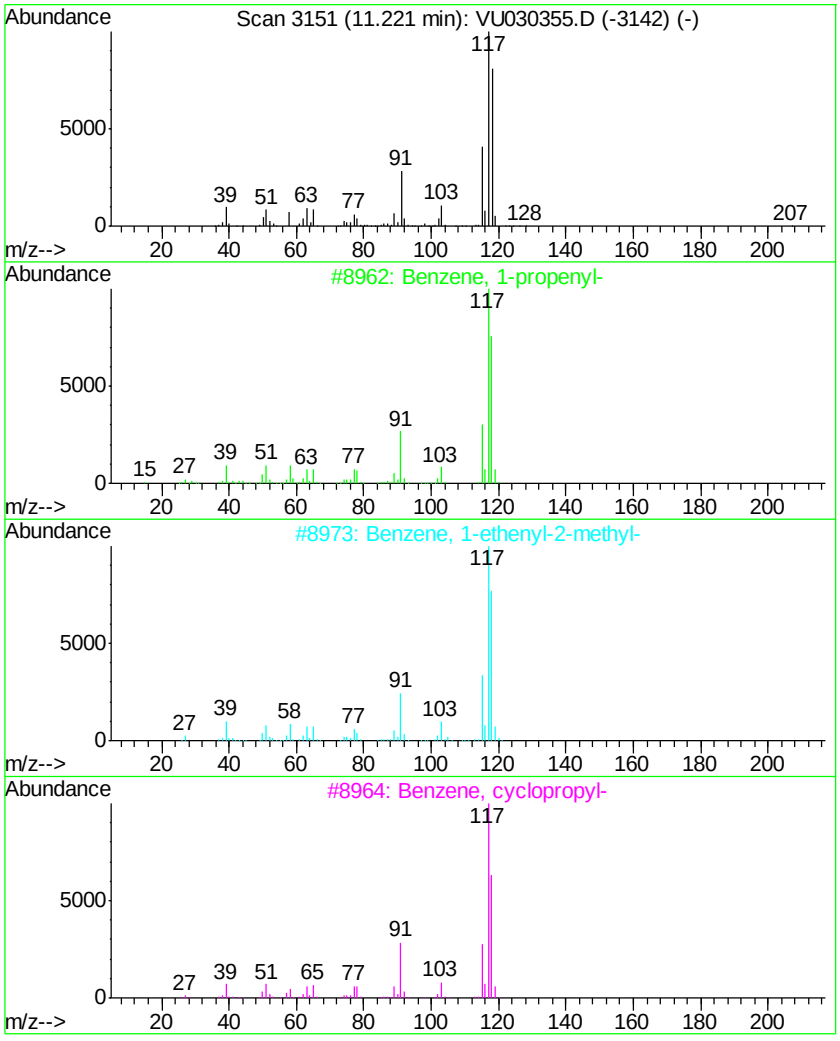
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

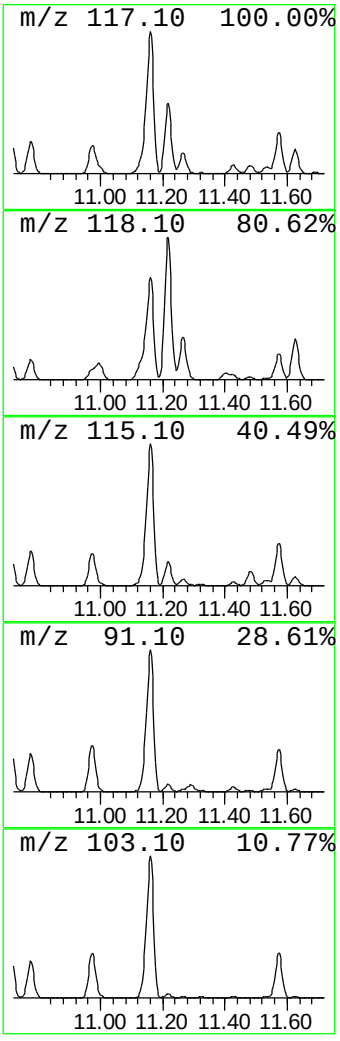
****

Peak Number 44 Benzene, 1-propenyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	69.53 ug/L	2577080	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

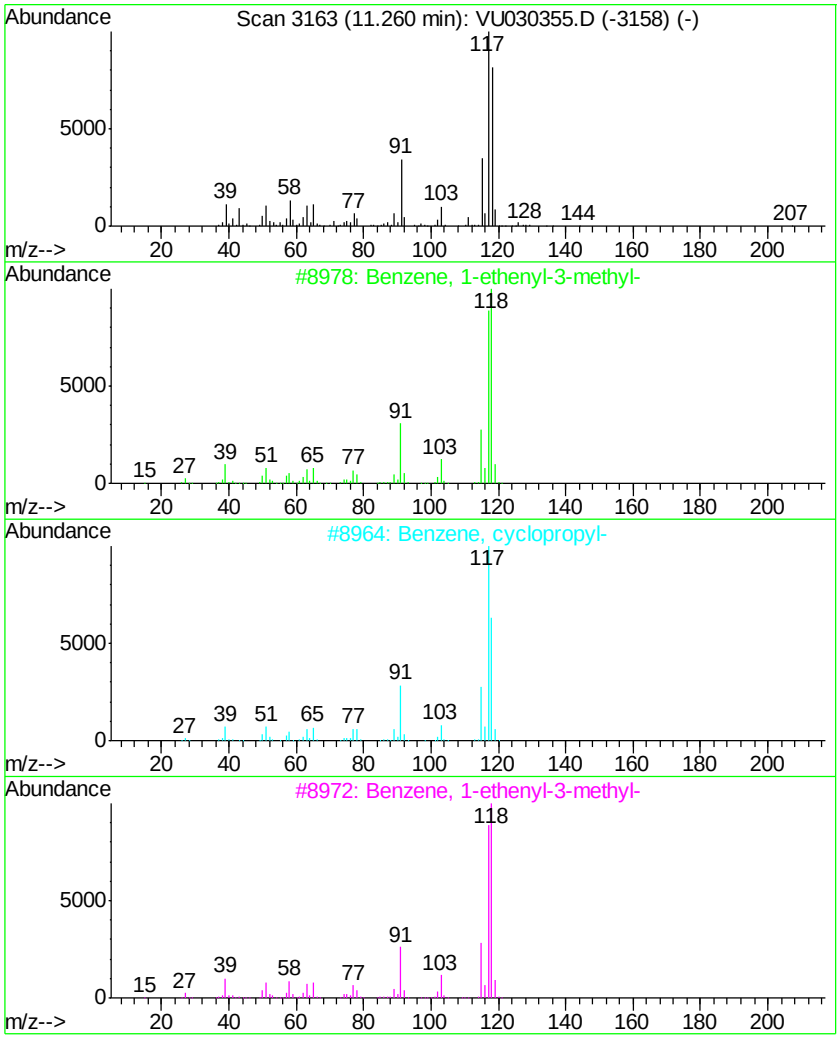
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

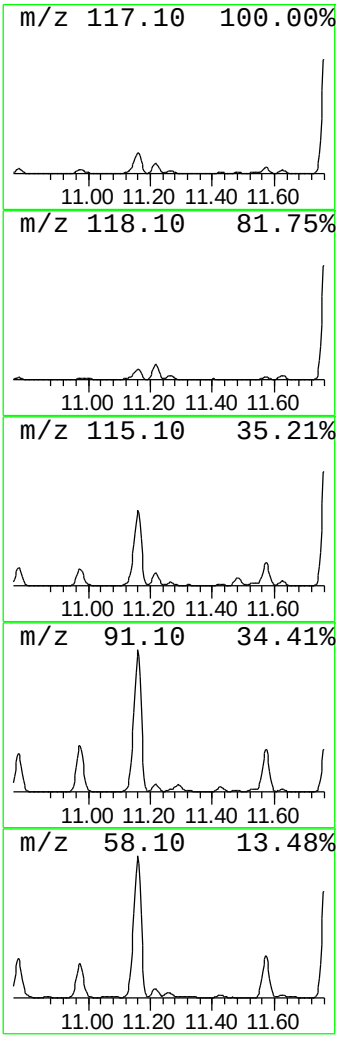
****

Peak Number 45 Benzene, 1-ethenyl-3-methyl- Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	18.68 ug/L	692351	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	94
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

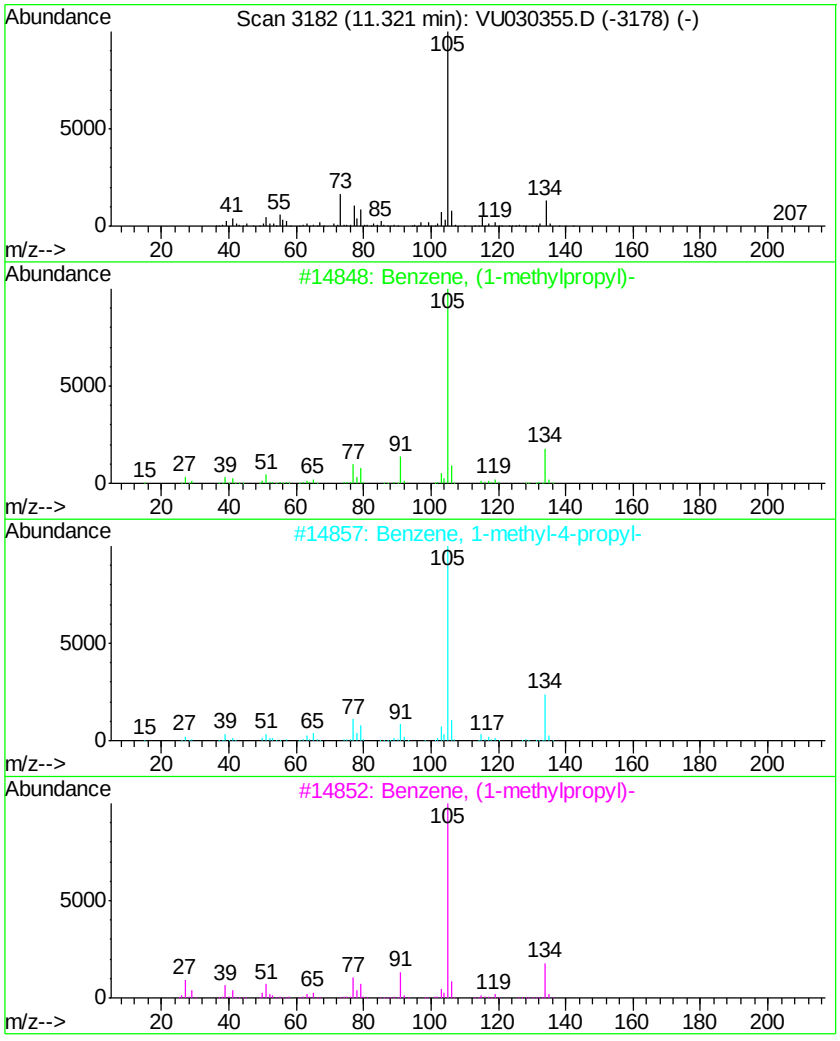
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

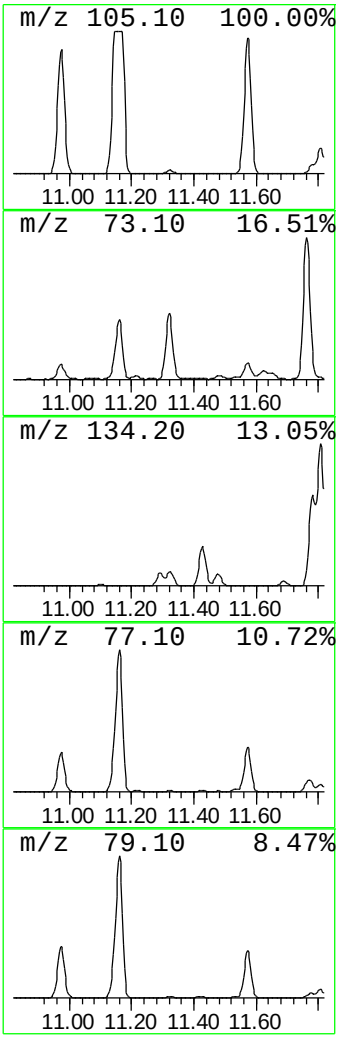
****

Peak Number 46 Benzene, (1-methylpropyl)- Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	26.07 ug/L	966209	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	76
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	68
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	59
4	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	58
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

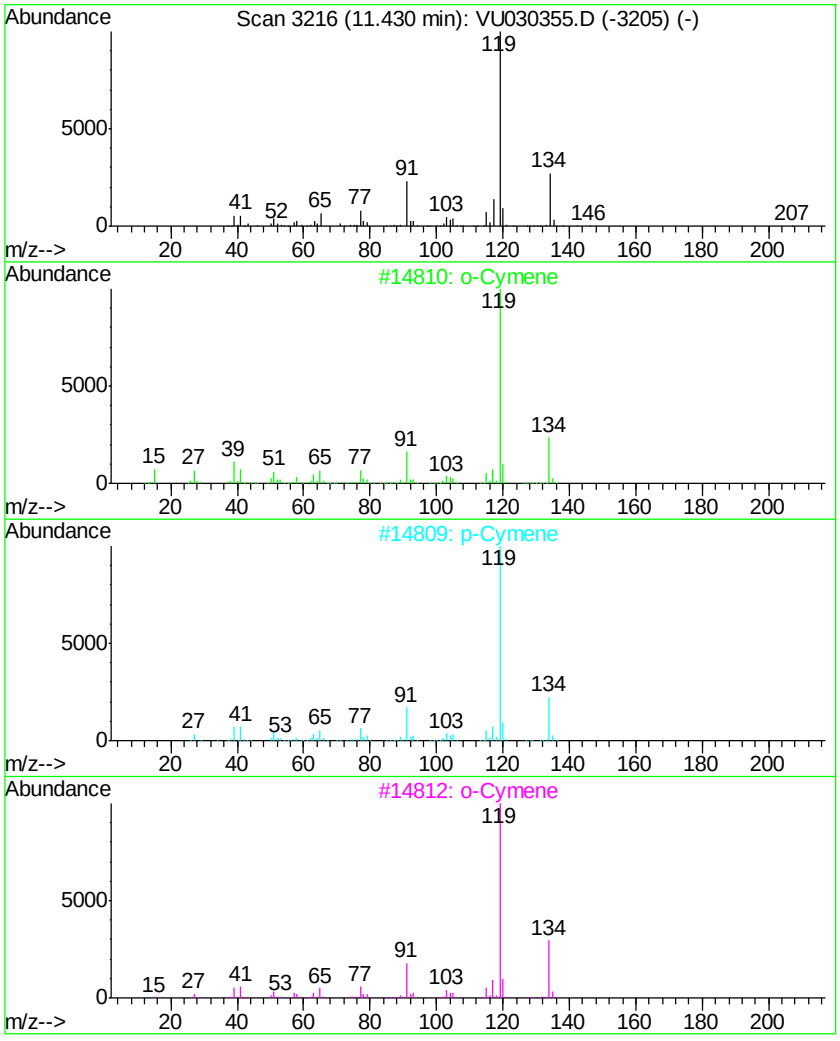
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

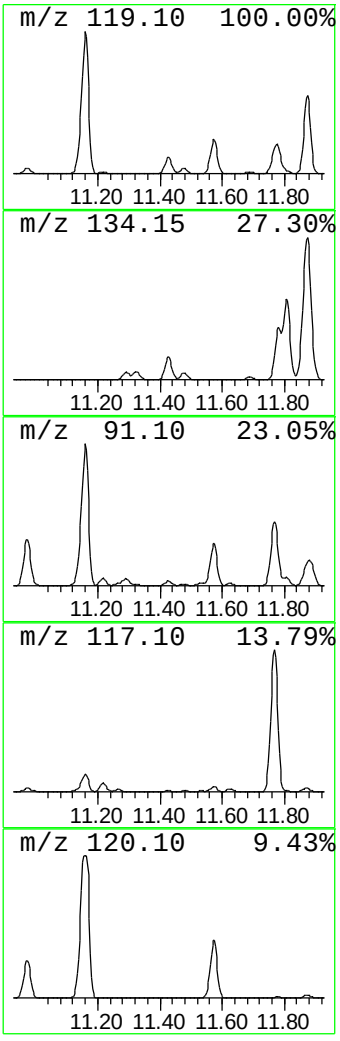
****

Peak Number 47 o-Cymene Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	39.00 ug/L	1445610	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	o-Cymene	134	C10H14	000527-84-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

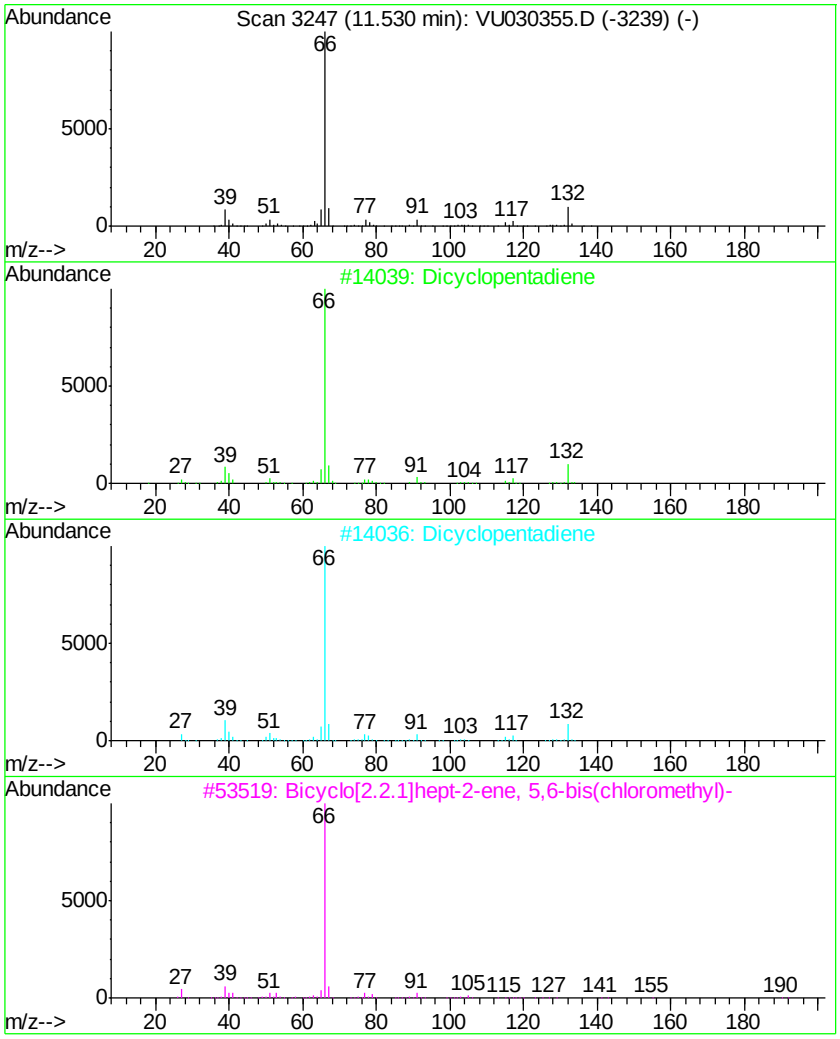
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

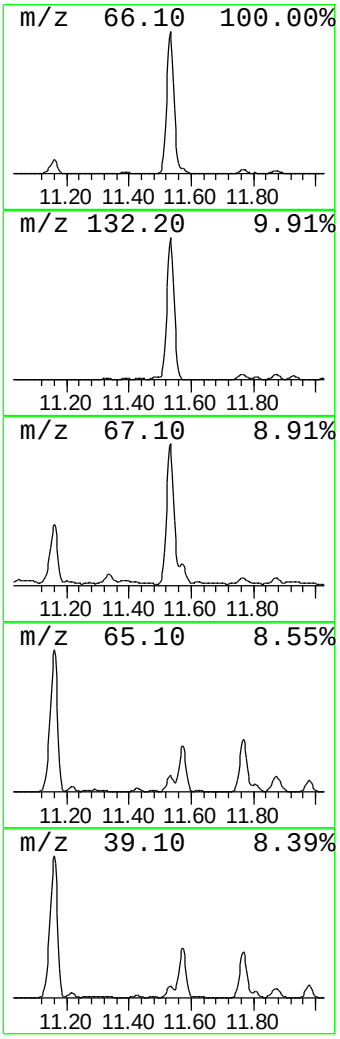
****

Peak Number 48 Dicyclopentadiene Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	101.87 ug/L	3776040	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	Bicyclo[2.2.1]hept-2-ene, 5,6-bi...	190	C9H12Cl2	005992-56-3	83
4	Bicyclo[2.2.1]hept-2-ene, 5-ethe...	120	C9H12	003048-64-4	83
5	1,3,4-Metheno-1H-cyclobuta[cd]pe...	132	C10H12	006707-88-6	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

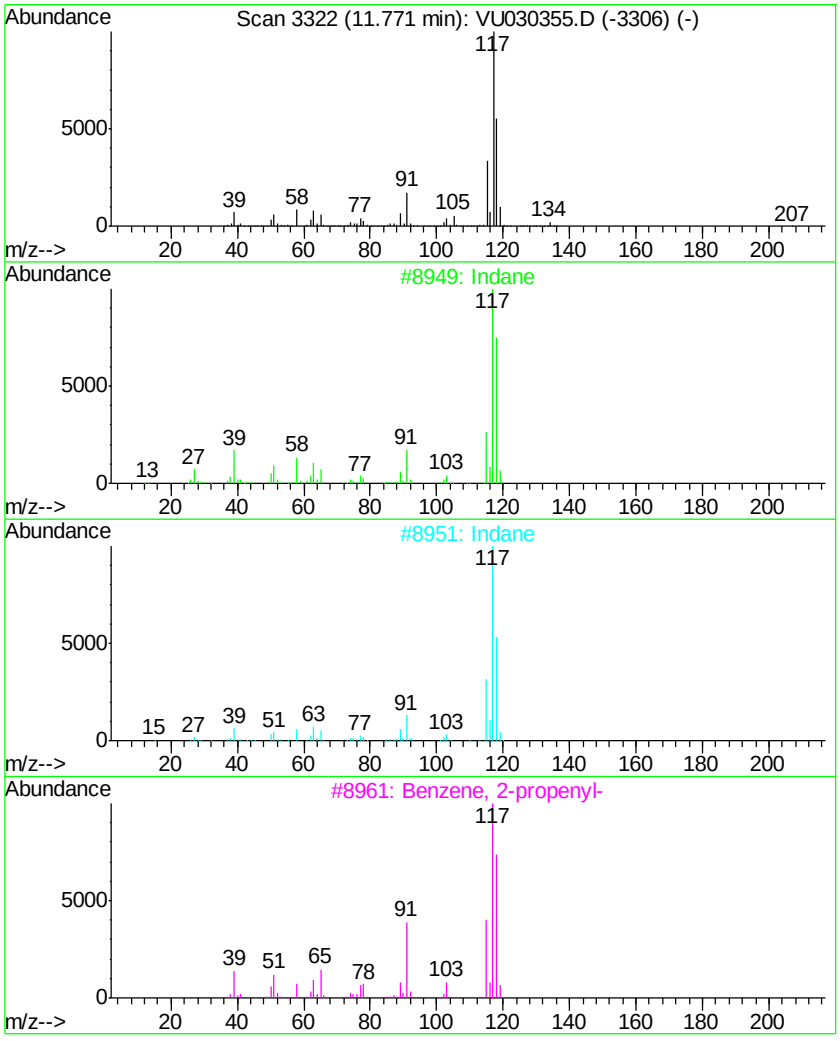
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

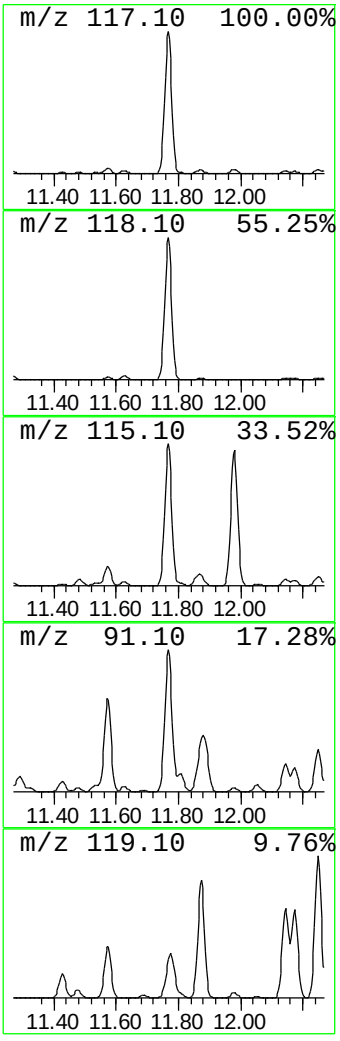
****

Peak Number 50 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	1018.62 ug/L	37756900	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	Indane	118	C9H10	000496-11-7	83
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

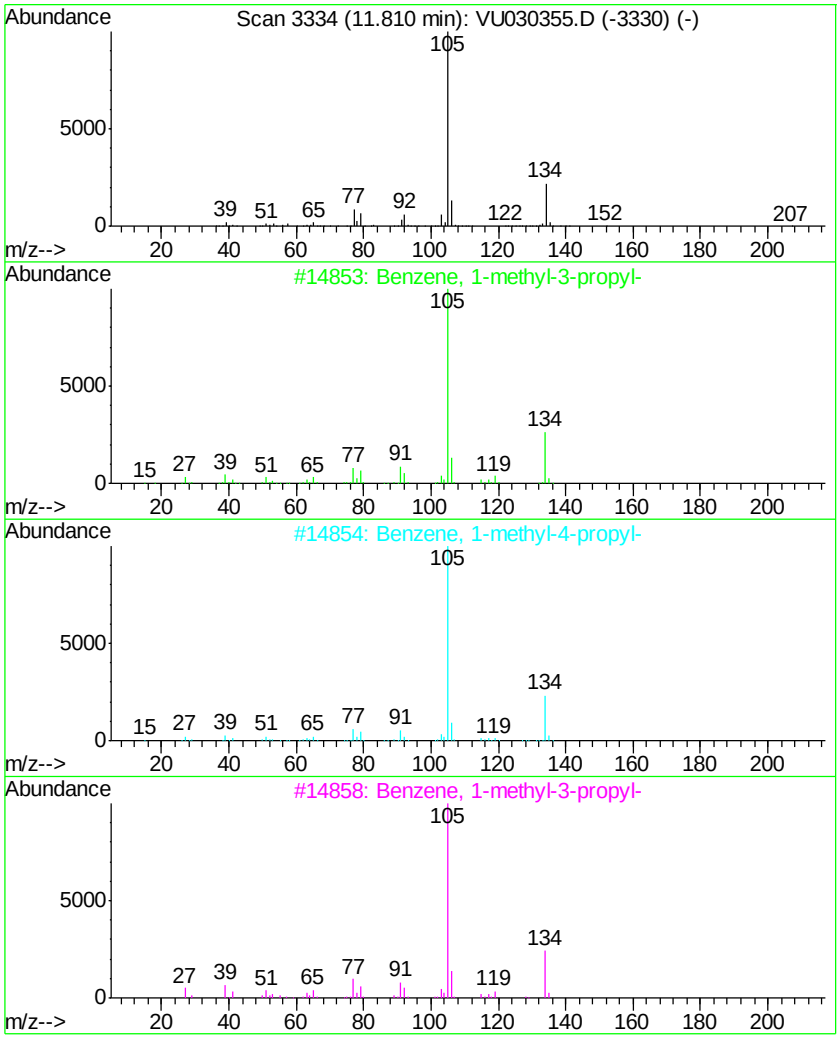
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

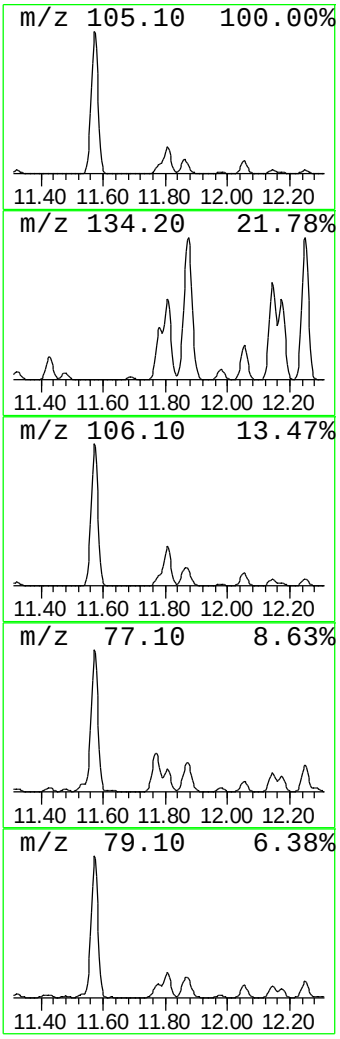
****

Peak Number 51 Benzene, 1-methyl-3-propyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	119.92 ug/L	4445010	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	80
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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

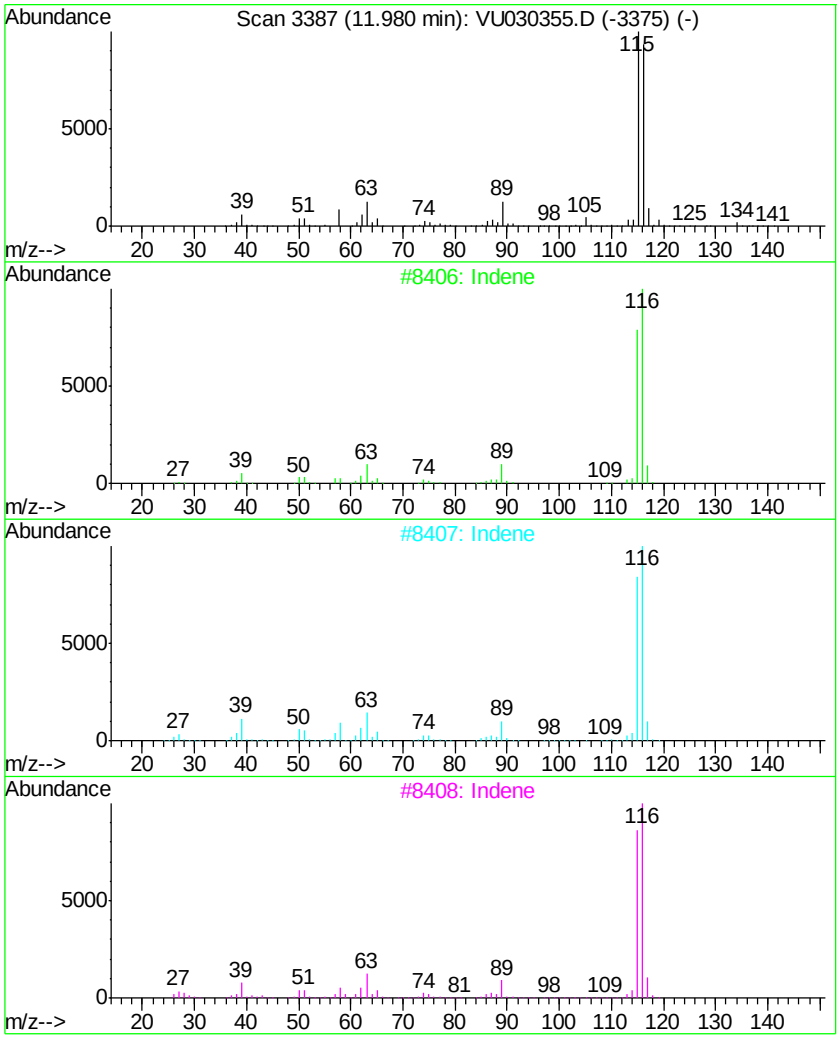
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

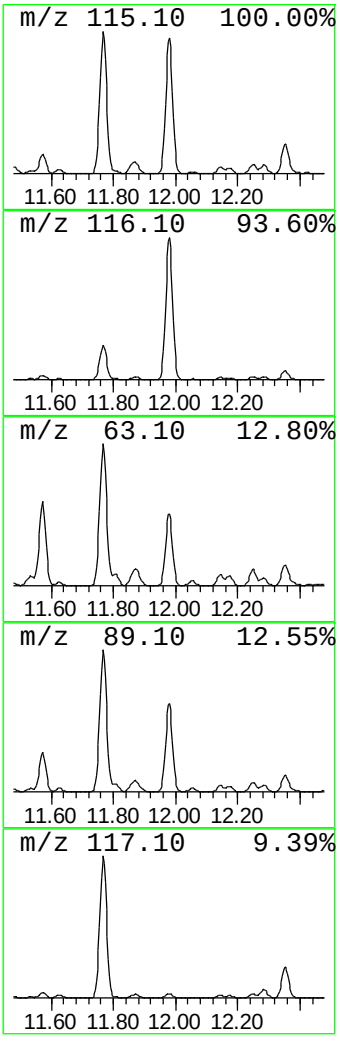
****

Peak Number 52 Indene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	302.39 ug/L	11208700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032319\
Data File : VU030355.D
Acq On : 23 Mar 2019 21:07
Operator : JC/SP
Sample : K2063-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6R7

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	137.5	ug/L	3049350	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	1.90	33.2	ug/L	735641	1	5.88	1109000	50.0
(DEL) Alkane: Str...	1.95	115.7	ug/L	2565210	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	2.05	101.8	ug/L	2257890	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	2.13	76.0	ug/L	1685780	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	2.18	50.2	ug/L	1114370	1	5.88	1109000	50.0
Cyclopentene	2.68	250.8	ug/L	5562270	1	5.88	1109000	50.0
(DEL) Alkane: Str...	2.74	106.1	ug/L	2352380	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	2.79	247.5	ug/L	5489890	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	3.20	27.9	ug/L	617863	1	5.88	1109000	50.0
(DEL) Alkane: Str...	3.30	99.9	ug/L	2215840	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	3.42	41.3	ug/L	915252	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	3.50	75.7	ug/L	1677830	1	5.88	1109000	50.0
Diisopropyl ether	3.56	109.0	ug/L	2417290	1	5.88	1109000	50.0
Cyclopentene, 4-m...	3.74	107.7	ug/L	2389040	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	4.09	459.7	ug/L	10196800	1	5.88	1109000	50.0
Cyclopentene, 1-m...	4.78	72.9	ug/L	1616140	1	5.88	1109000	50.0
(DEL) Alkane: Str...	5.22	76.9	ug/L	1704790	1	5.88	1109000	50.0
(DEL) Alkane: Str...	5.78	47.1	ug/L	1045130	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	5.94	109.5	ug/L	2429540	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	6.22	33.5	ug/L	742134	1	5.88	1109000	50.0
(DEL) Alkane: Cyc...	6.64	40.9	ug/L	906408	1	5.88	1109000	50.0
Cyclohexene, 1-me...	6.82	94.5	ug/L	2095790	1	5.88	1109000	50.0
Cyclobutane, (1-m...	7.07	193.2	ug/L	4284440	1	5.88	1109000	50.0
2-Butanol, 2,3-di...	7.30	77.8	ug/L	1724890	1	5.88	1109000	50.0
2-Pentanol, 2-met...	7.38	300.9	ug/L	6673740	1	5.88	1109000	50.0
Thiophene, 2-methyl-	7.78	63.5	ug/L	1655150	2	9.09	1302970	50.0
Thiophene, 3-methyl-	7.94	75.7	ug/L	1972160	2	9.09	1302970	50.0
1,3-Dimethyl-1-cy...	8.10	33.6	ug/L	874726	2	9.09	1302970	50.0
3-Hexanone	8.23	27.4	ug/L	715433	2	9.09	1302970	50.0
Oxirane, hexyl-	8.50	122.2	ug/L	3184010	2	9.09	1302970	50.0
(DEL) Alkane: Str...	8.77	25.4	ug/L	662457	2	9.09	1302970	50.0
2-Hexanol, 2-methyl-	9.03	182.0	ug/L	4743200	2	9.09	1302970	50.0
3-Hexanol, 3-methyl-	9.19	165.9	ug/L	4322880	2	9.09	1302970	50.0
2-Hexanol, 2,5-di...	9.94	60.5	ug/L	1576750	2	9.09	1302970	50.0
Thiophene, 2,5-di...	10.01	24.8	ug/L	645448	2	9.09	1302970	50.0
Cyclohexanol, 1-m...	10.07	35.6	ug/L	926996	2	9.09	1302970	50.0
3-Heptanol, 3-met...	10.54	53.9	ug/L	1997760	3	11.48	1853340	50.0
Benzene, propyl-	10.59	430.0	ug/L	15937700	3	11.48	1853340	50.0
Benzene, 1-ethyl-...	10.69	2520.0	ug/L	93409700	3	11.48	1853340	50.0
Benzene, 1,2,3-tr...	10.77	822.0	ug/L	30468000	3	11.48	1853340	50.0
Benzene, 1-propenyl-	11.22	69.5	ug/L	2577080	3	11.48	1853340	50.0
Benzene, 1-etheny...	11.26	18.7	ug/L	692351	3	11.48	1853340	50.0
Benzene, (1-methy...	11.32	26.1	ug/L	966209	3	11.48	1853340	50.0
o-Cymene	11.43	39.0	ug/L	1445610	3	11.48	1853340	50.0
Dicyclopentadiene	11.53	101.9	ug/L	3776040	3	11.48	1853340	50.0
Indane	11.77	1018.6	ug/L	37756900	3	11.48	1853340	50.0
Benzene, 1-methyl...	11.81	119.9	ug/L	4445010	3	11.48	1853340	50.0
Indene	11.98	302.4	ug/L	11208700	3	11.48	1853340	50.0