LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

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\SOMULM071219WMA.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	1.389	84	93	103	rBV	227704	240481	7.48%	0.654%
2	1.669	172	180	194	rBV	174642	225104	7.00%	0.612%
3	1.746	194	204	222	rVB	670134	876938	27.28%	2.384%
4	1.932	254	262	274	rVB	64415	85510	2.66%	0.232%
5	2.257	352	363	373	rBV	377198	569275	17.71%	1.548%
6	2.688	485	497	501	rBV3	76502	134402	4.18%	0.365%
7	2.727	503	509	519	rVB	109751	182429	5.67%	0.496%
8	2.977	571	587	609	rVB2	100287	214502	6.67%	0.583%
9	3.164	632	645	662	rBV4	15219	34549	1.07%	0.094%
10	3.283	664	682	704	rVB2	35945	78069	2.43%	0.212%
11	3.392	704	716	733	rBV5	15178	36262	1.13%	0.099%
12	3.534	744	760	776	rBV3	46088	104224	3.24%	0.283%
13	3.630	776	790	808	rVB4	34934	83712	2.60%	0.228%
14	3.865	842	863	881	rVV6	39677	113914	3.54%	0.310%
15	3.968	881	895	909	rVV4	33987	91483	2.85%	0.249%
16	4.067	909	926	941	rVV	202006	528166	16.43%	1.436%
17	4.148	941	951	978	rVB2	131031	333295	10.37%	0.906%
18	4.624	1064	1099	1114	rBV	223680	557260	17.33%	1.515%
19	4.704	1115	1124	1133	rBV4	23657	48778	1.52%	0.133%
20	4.881	1158	1179	1191	rBV6	13373	42961	1.34%	0.117%
21	4.968	1191	1206	1220	rBV3	141146	347542	10.81%	0.945%
22	5.058	1220	1234	1260	rVB2	148289	407683	12.68%	1.108%
23	5.196	1260	1277	1294	rBV5	56650	172391	5.36%	0.469%
24	5.318	1294	1315	1331	rVB2	455471	1288960	40.10%	3.504%
25	5.456	1348	1358	1365	rBV5	43409	88438	2.75%	0.240%
26	5.517	1365	1377	1390	rVV2	158200	417278	12.98%	1.134%
27	5.595	1391	1401	1416	rVB5	82148	204129	6.35%	0.555%
28	5.759	1436	1452	1470	rBV5	33292	73490	2.29%	0.200%
29	5.865	1471	1485	1496	rBV	405319	786365	24.46%	2.138%
30	5.926	1496	1504	1526	rVV5	95035	274712	8.55%	0.747%
31	6.032	1528	1537	1549	rVV5	15674	34925	1.09%	0.095%
32	6.099	1549	1558	1570	rVV3	22387	41259	1.28%	0.112%
33	6.196	1574	1588	1605	rVB5	86722	198856	6.19%	0.541%
34	6.308	1610	1623	1635	rBV	303798	602518	18.74%	1.638%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

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\SOMULM071219WMA.M
Title : VOC Analysis

35	6.392	1635	1649	1663	rVB3	233122	536810	16.70%	1.459%
36	6.620	1712	1720	1728	rVB3	23253	38166	1.19%	0.104%
37	6.685	1728	1740	1763	rVB	1109150	1942080	60.41%	5.280%
38	6.810	1767	1779	1793	rVB7	23092	66385	2.07%	0.180%
39	6.906	1795	1809	1825	rVB3	68790	169159	5.26%	0.460%
40	7.041	1826	1851	1861	rBV4	93814	266138	8.28%	0.724%
41	7.209	1893	1903	1921	rVB	201970	377940	11.76%	1.028%
42	7.405	1952	1964	1985	rVB2	222878	419088	13.04%	1.139%
43	7.546	1985	2008	2024	rBV	677909	1287482	40.05%	3.500%
44	7.685	2043	2051	2060	rBV5	21998	45040	1.40%	0.122%
45	7.829	2086	2096	2109	rVB2	160926	265799	8.27%	0.723%
46	8.029	2148	2158	2165	rVV3	24155	40397	1.26%	0.110%
47	8.077	2165	2173	2182	rVB2	44359	70954	2.21%	0.193%
48	8.138	2183	2192	2208	rVB	108795	182650	5.68%	0.497%
49	8.247	2218	2226	2231	rBV2	37290	51196	1.59%	0.139%
50	8.292	2231	2240	2257	rVB	404341	681501	21.20%	1.853%
51	8.398	2261	2273	2293	rBV	815634	1280139	39.82%	3.480%
52	8.511	2301	2308	2320	rBV5	53360	98644	3.07%	0.268%
53	8.739	2364	2379	2390	rBV8	16821	35347	1.10%	0.096%
54	8.887	2411	2425	2450	rVB	574892	900400	28.01%	2.448%
55	9.070	2471	2482	2496	rBV	589675	971413	30.22%	2.641%
56	9.234	2523	2533	2553	rVB	272447	445741	13.87%	1.212%
57	9.360	2559	2572	2587	rVV	411968	688875	21.43%	1.873%
58	9.752	2686	2694	2712	rVB3	32819	59342	1.85%	0.161%
59	9.935	2730	2751	2760	rBV8	14202	37668	1.17%	0.102%
60	10.151	2808	2818	2829	rVV	109155	169934	5.29%	0.462%
61	10.414	2889	2900	2913	rBV	432662	699561	21.76%	1.902%
62	10.572	2929	2949	2966	rBV	308214	478627	14.89%	1.301%
63	10.665	2966	2978	2982	rBV	451134	702033	21.84%	1.909%
64	10.755	2996	3006	3033	rVB	306013	483232	15.03%	1.314%
65	10.955	3057	3068	3089	rVB	399497	639103	19.88%	1.738%
66	11.131	3109	3123	3142	rBV	2127477	3214688	100.00%	8.740%
67	11.276	3156	3168	3172	rBV	24073	39035	1.21%	0.106%
68	11.308	3173	3178	3189	rVB2	33544	47383	1.47%	0.129%
69	11.411	3200	3210	3217	rBV	49695	73467	2.29%	0.200%
70	11.466	3217	3227	3243	rVB	664466	1049787	32.66%	2.854%
71	11.556	3243	3255	3270	rBV	606976	922711	28.70%	2.509%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

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\SOMULM071219WMA.M
Title : VOC Analysis

72	11.752	3303	3316	3325	rBV2	492668	914848	28.46%	2.487%
73	11.845	3335	3345	3366	rVB4	831564	1590864	49.49%	4.325%
74	11.964	3373	3382	3393	rVB3	32950	55417	1.72%	0.151%
75	12.038	3393	3405	3417	rBV	75140	113839	3.54%	0.309%
76	12.131	3422	3434	3439	rBV	196142	312040	9.71%	0.848%
77	12.160	3439	3443	3454	rVB	167677	226361	7.04%	0.615%
78	12.237	3455	3467	3474	rBV	338948	529566	16.47%	1.440%
79	12.340	3487	3499	3522	rBV2	285804	547740	17.04%	1.489%
80	12.536	3549	3560	3573	rVB2	92521	156427	4.87%	0.425%
81	12.636	3573	3591	3599	rBV	196336	315210	9.81%	0.857%
82	12.688	3599	3607	3623	rVB	288274	448683	13.96%	1.220%
83	12.774	3623	3634	3639	rBV3	39534	62338	1.94%	0.169%
84	12.951	3680	3689	3704	rVB	190002	293445	9.13%	0.798%
85	13.109	3717	3738	3749	rBV3	426043	769343	23.93%	2.092%
86	13.173	3753	3758	3767	rVB2	47047	70623	2.20%	0.192%
87	13.279	3782	3791	3812	rVB4	73479	134692	4.19%	0.366%
88	13.395	3815	3827	3833	rBV2	31591	52542	1.63%	0.143%
89	13.443	3833	3842	3850	rBV	72739	109829	3.42%	0.299%
90	13.498	3850	3859	3866	rBV3	84381	139575	4.34%	0.379%
91	13.598	3884	3890	3896	rVB	49204	61200	1.90%	0.166%
92	13.729	3921	3931	3942	rVV	119827	198010	6.16%	0.538%
93	13.945	3988	3998	4008	rBV6	25091	50026	1.56%	0.136%
94	13.999	4008	4015	4025	rVB3	24907	40319	1.25%	0.110%
95	14.141	4048	4059	4075	rBV2	45747	75067	2.34%	0.204%
96	14.324	4106	4116	4128	rBV2	40117	85220	2.65%	0.232%
97	14.466	4151	4160	4171	rVV4	19460	39277	1.22%	0.107%
98	14.530	4171	4180	4193	rVB4	26781	49268	1.53%	0.134%
99	14.868	4275	4285	4301	rVV	42831	81877	2.55%	0.223%
100	15.051	4331	4342	4361	rBV2	145688	261005	8.12%	0.710%

Sum of corrected areas: 36782426

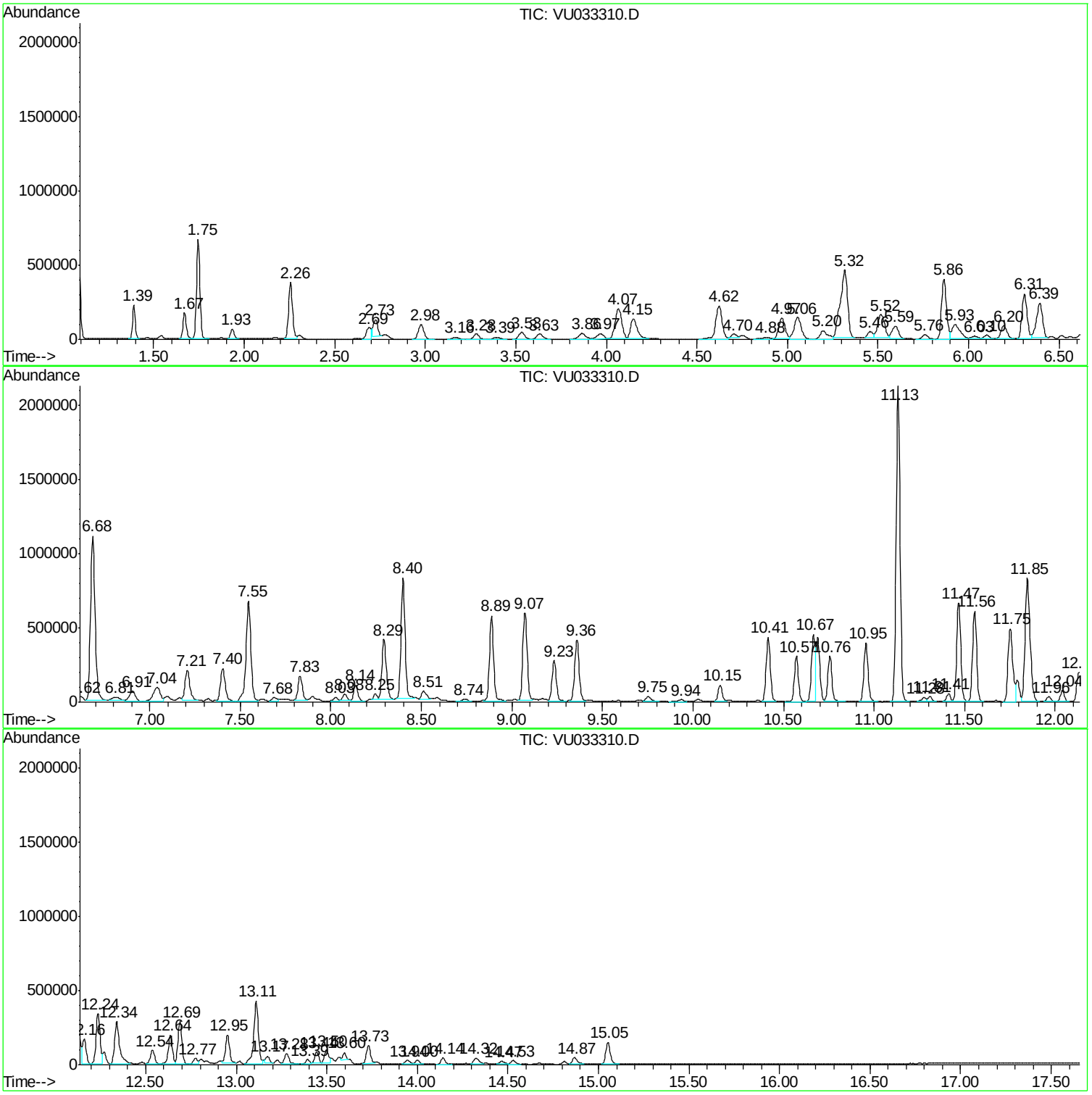
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.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\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

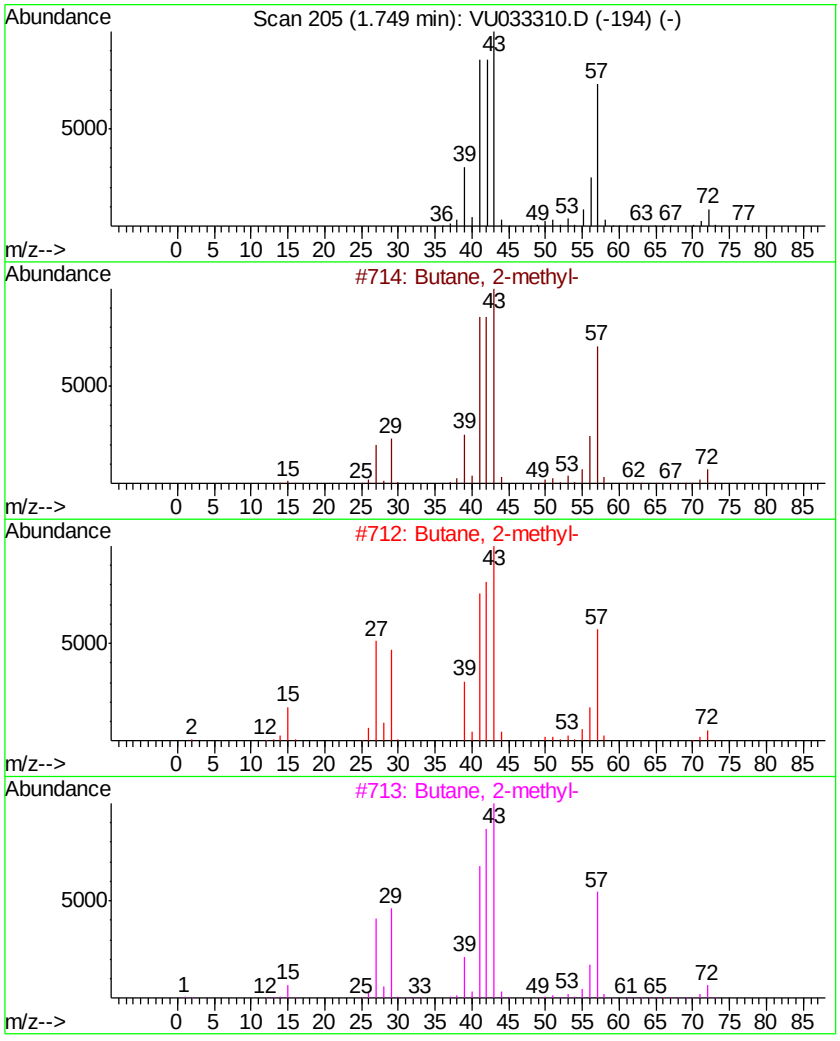
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

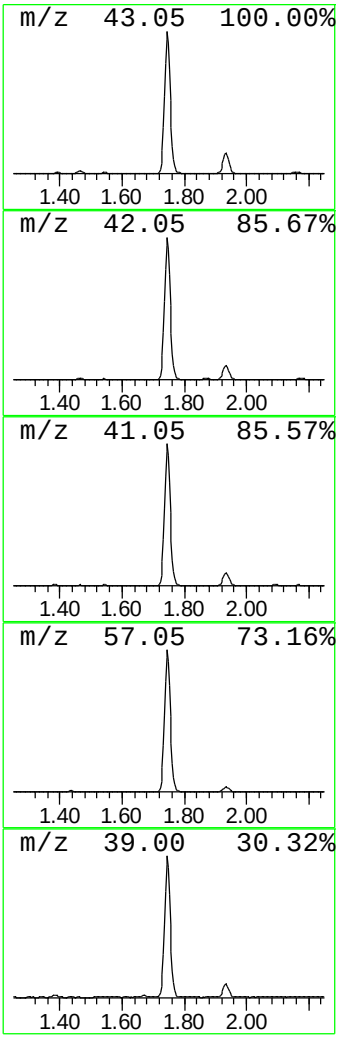
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	55.76 ug/L	876938	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

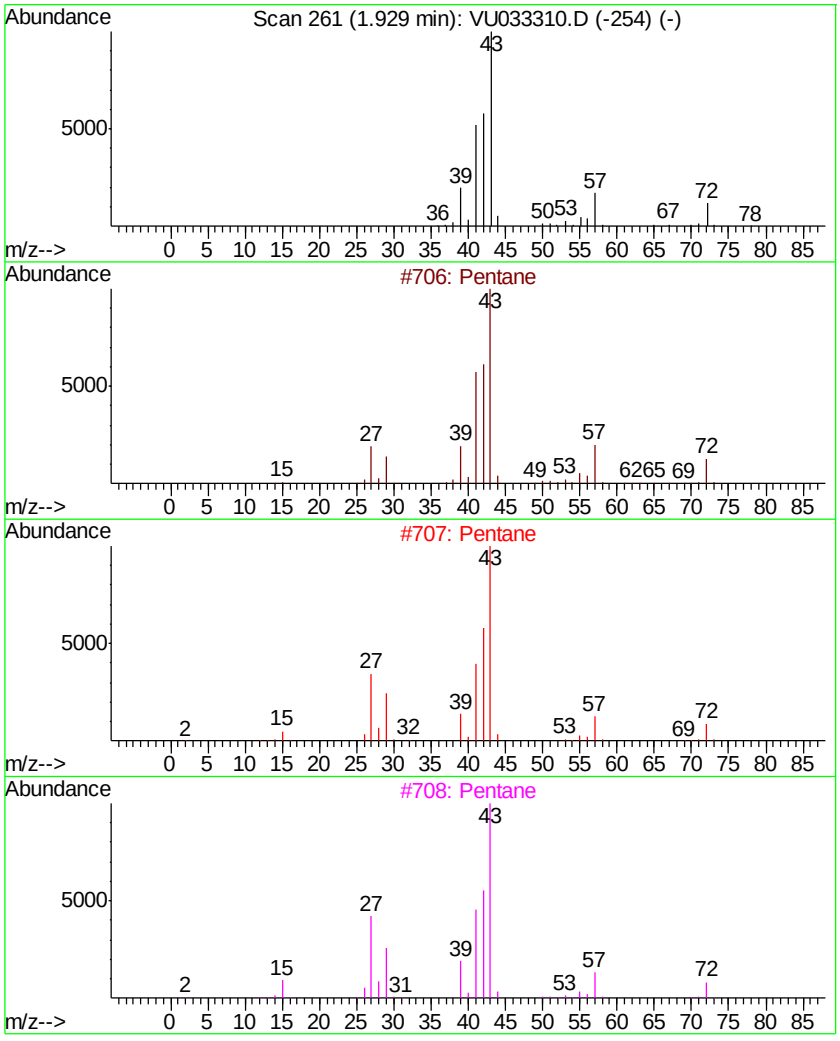
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

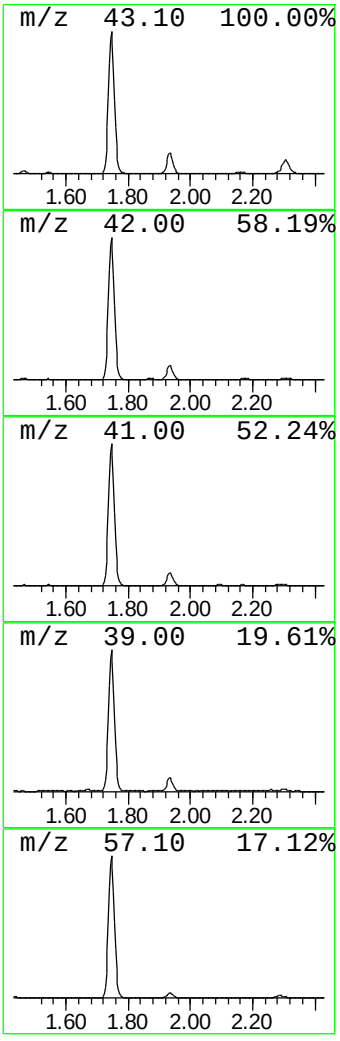
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.93	5.44 ug/L	85510	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	78
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	39





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

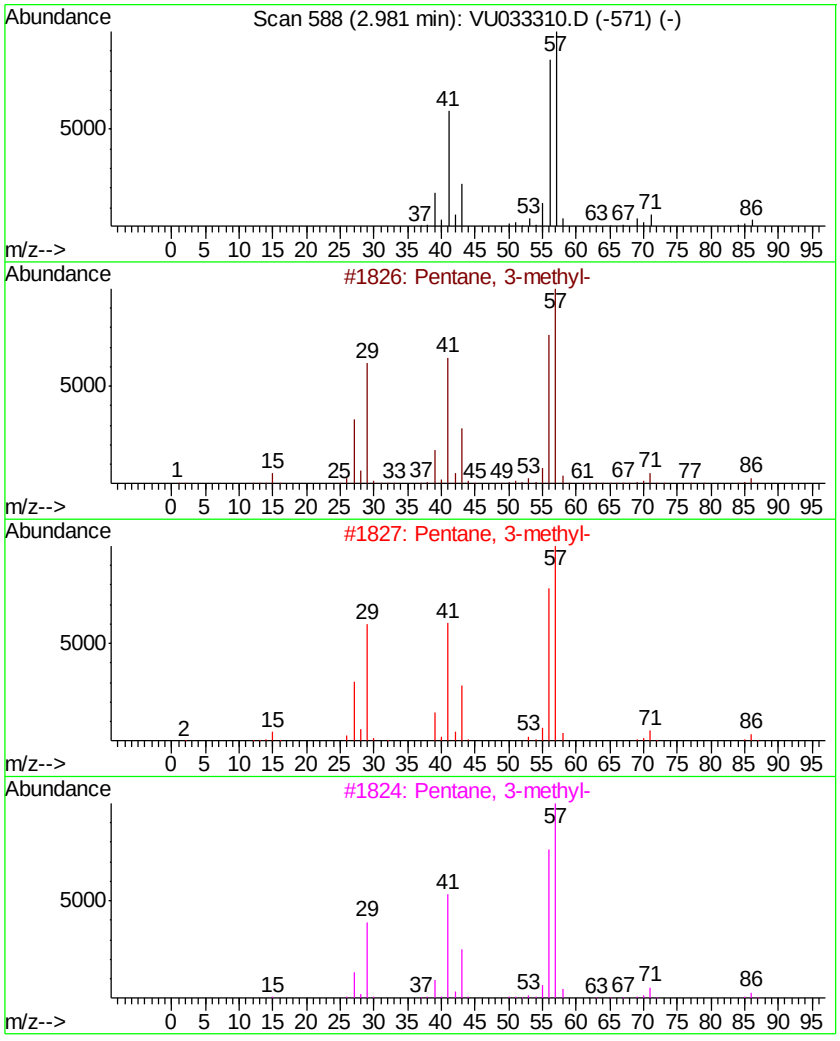
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

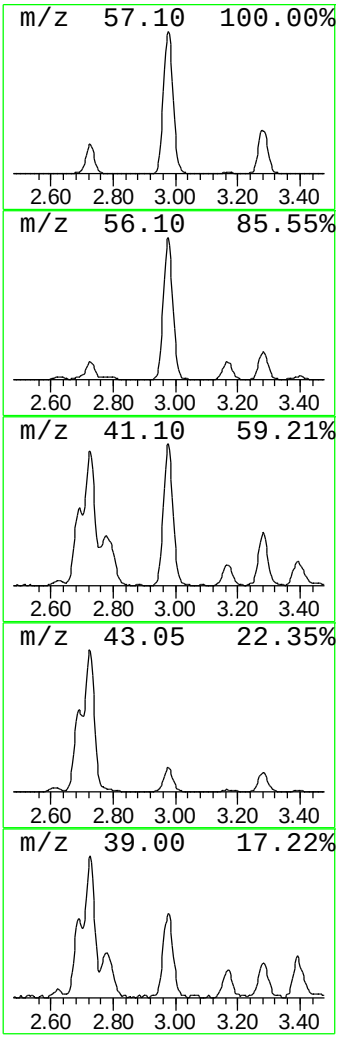
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	13.64 ug/L	214502	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	83
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

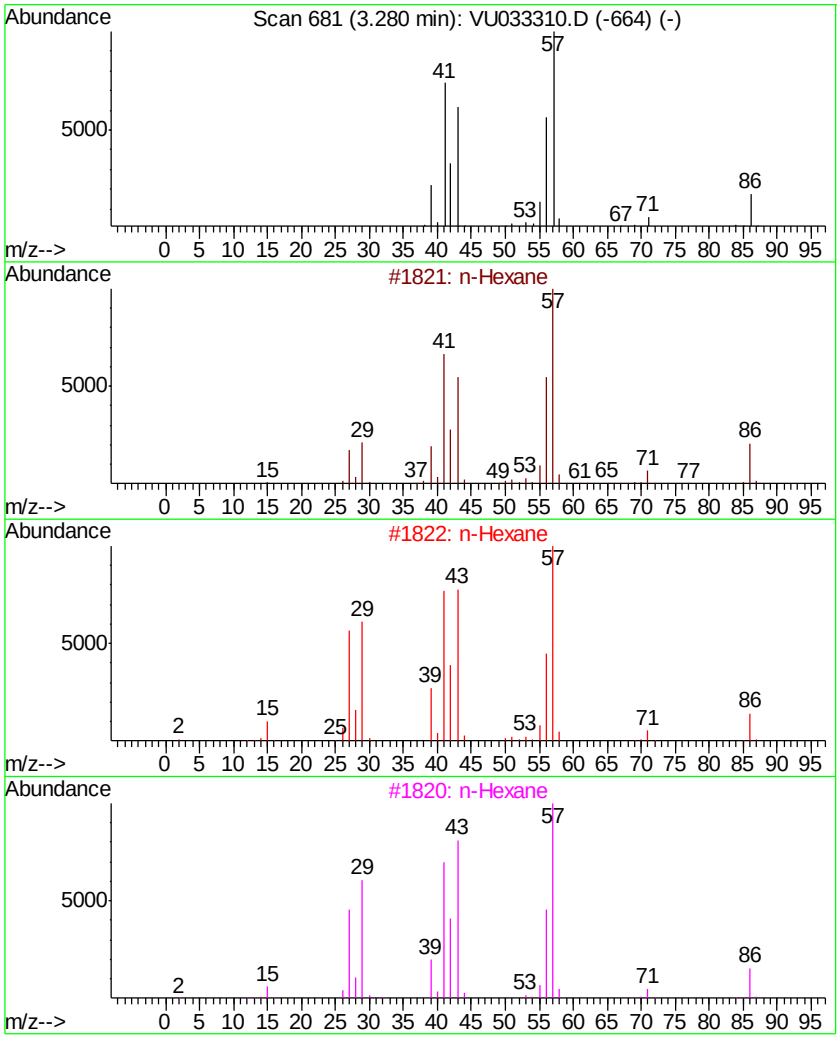
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

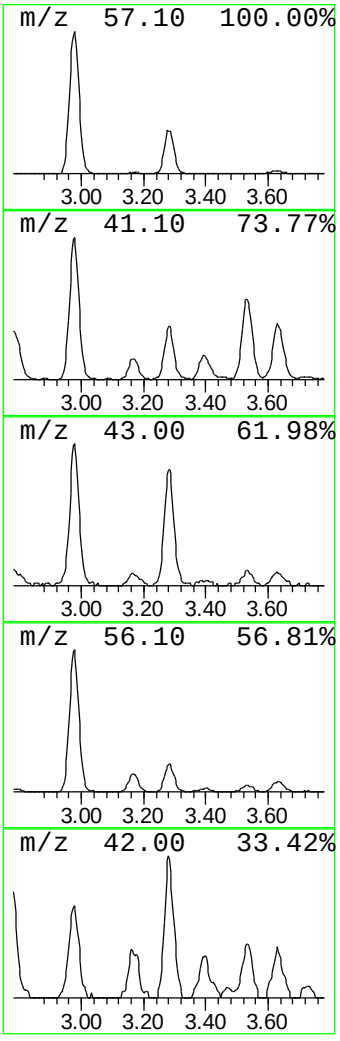
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.28	4.96 ug/L	78069	1,4-Difluorobenzene	5.86

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	64
3	n-Hexane	86	C6H14	000110-54-3	64
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

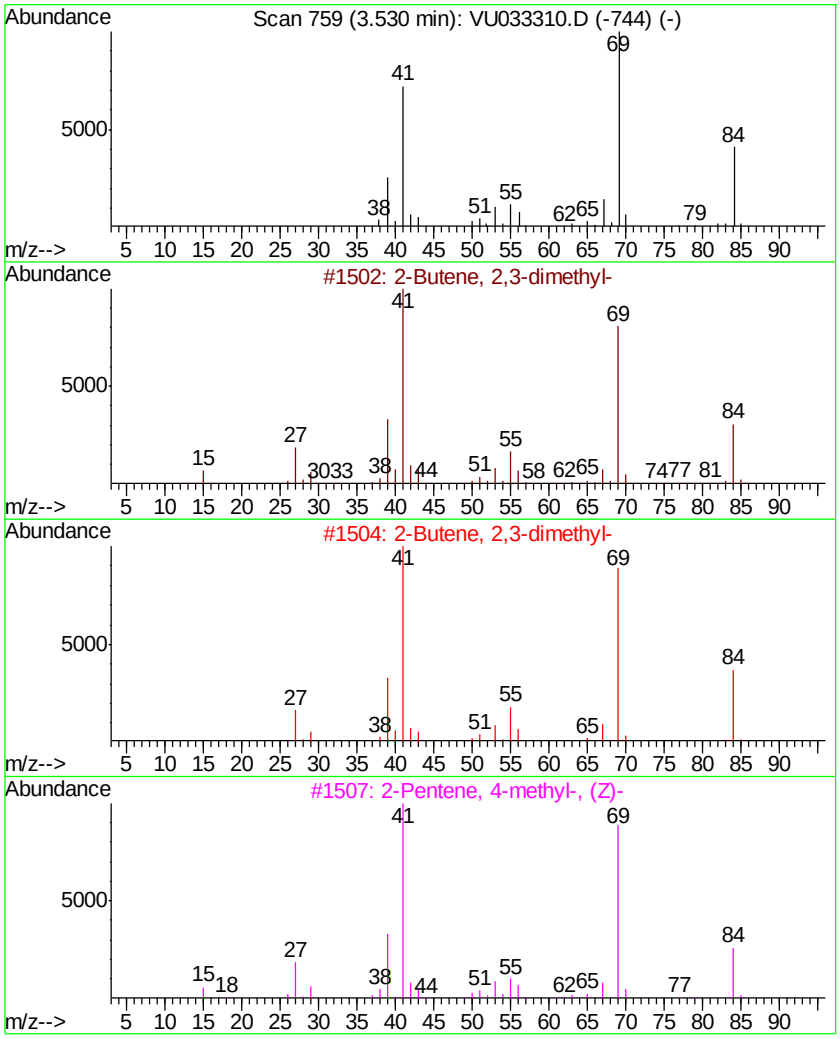
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

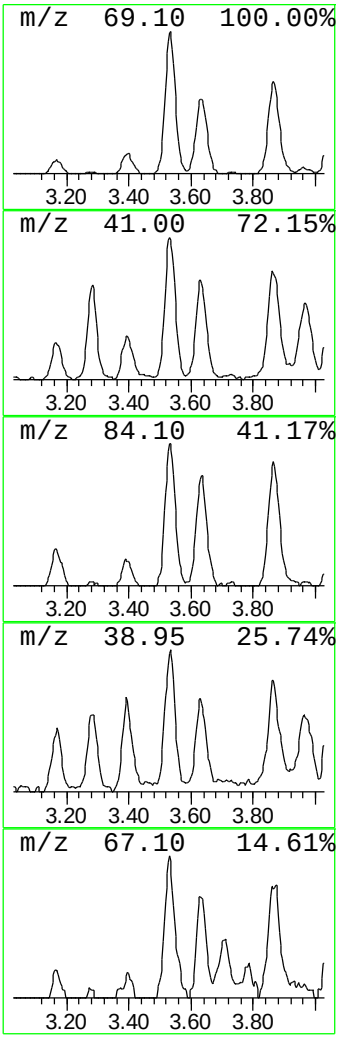
****

Peak Number 5 (DEL) Alkane: Cyclic3.53 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	6.63 ug/L	104224	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
3	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91
5	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	90





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

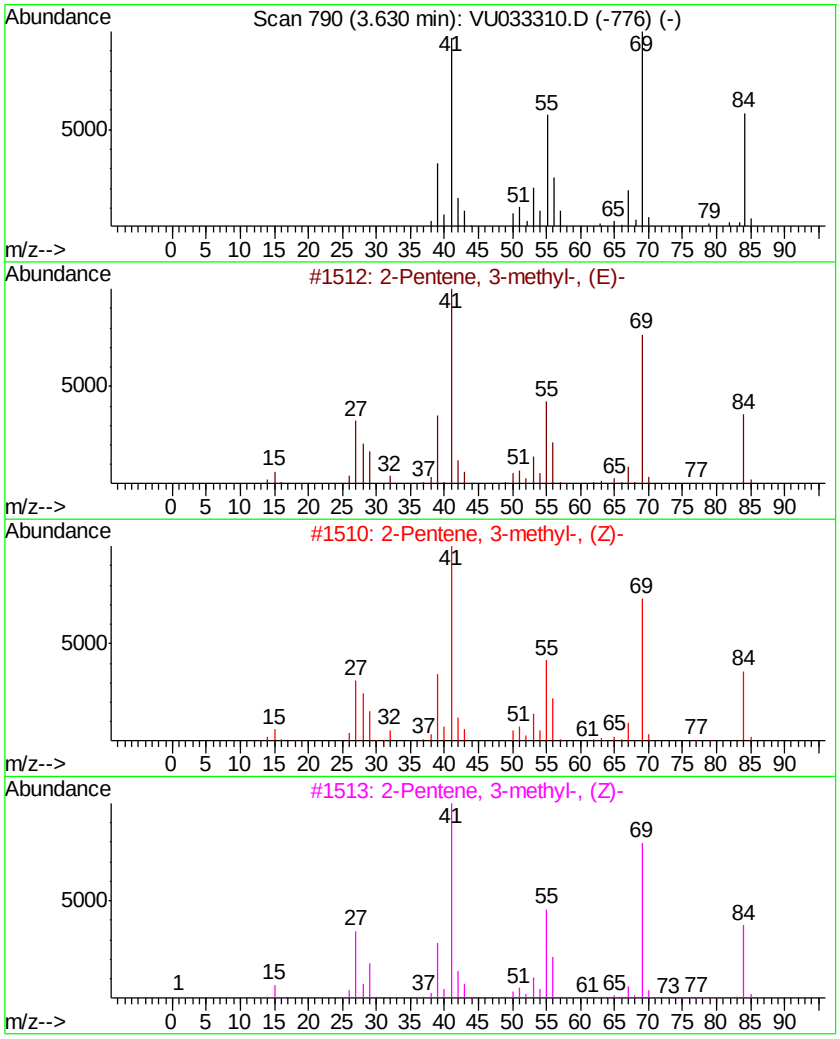
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

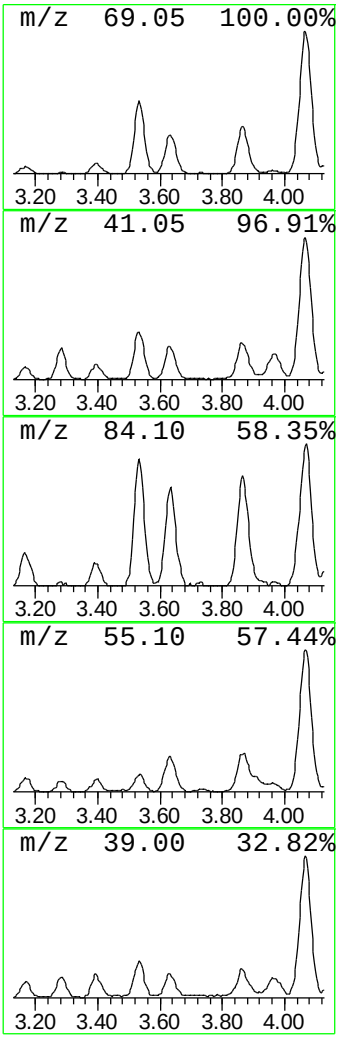
****

Peak Number 6 (DEL) Alkane: Cyclic3.63 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	5.32 ug/L	83712	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	94
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	90
4	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	87
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	86





Library Search Compound Report

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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

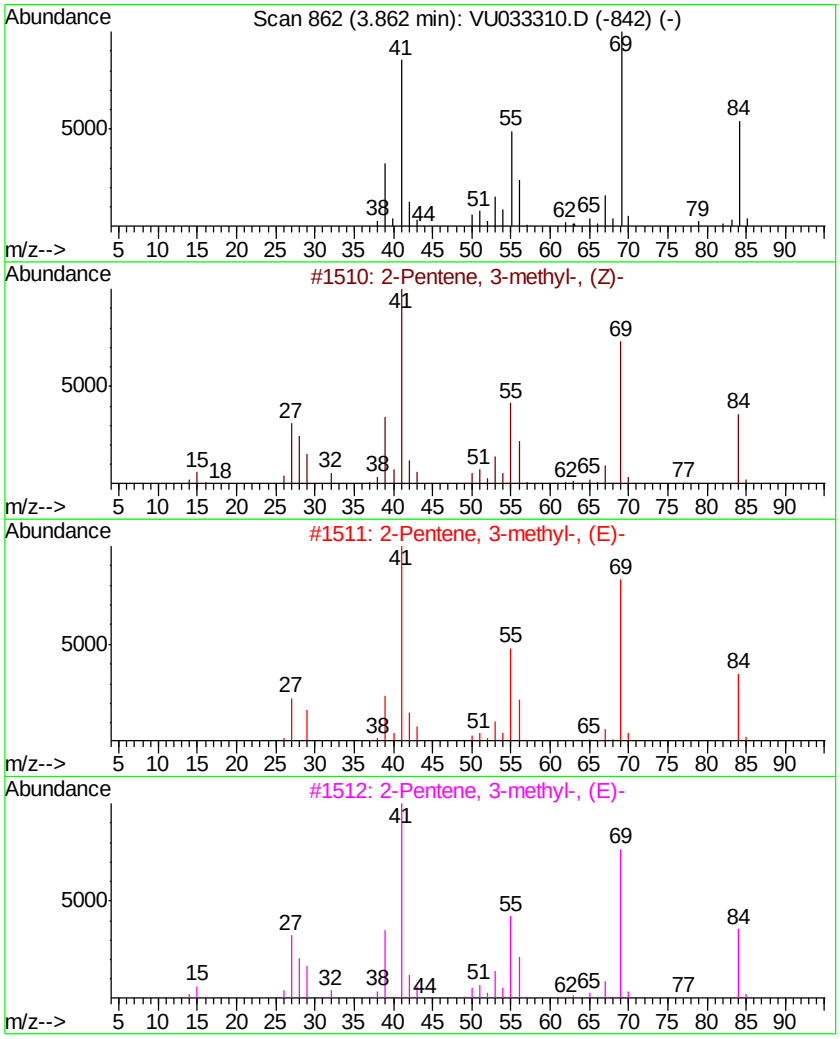
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

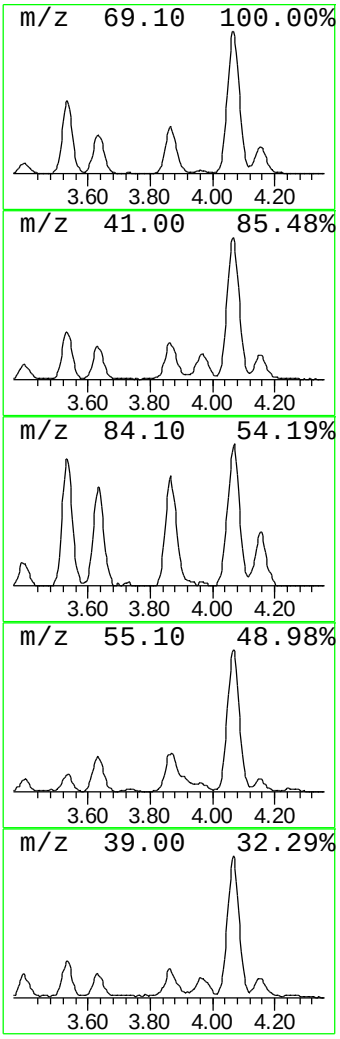
****

Peak Number 7 (DEL) Alkane: Cyclic3.86 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.86	7.24 ug/L	113914	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	95
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
5	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	91





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Data File : VU033310.D
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Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

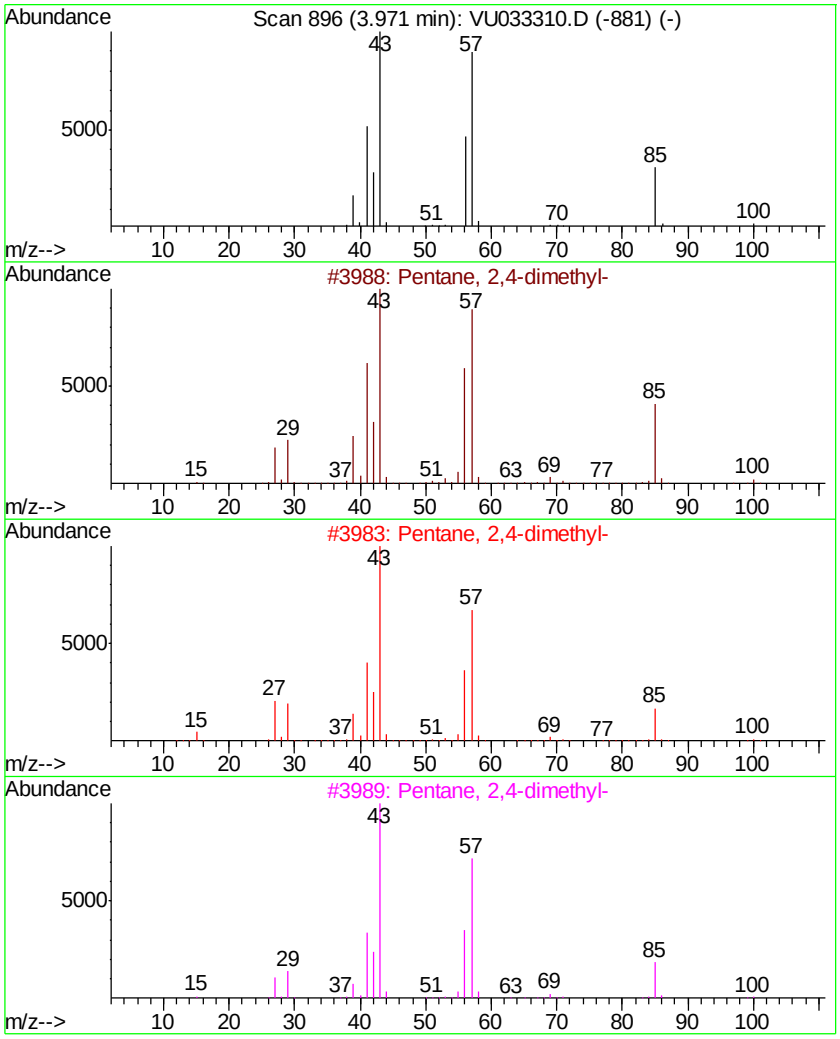
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

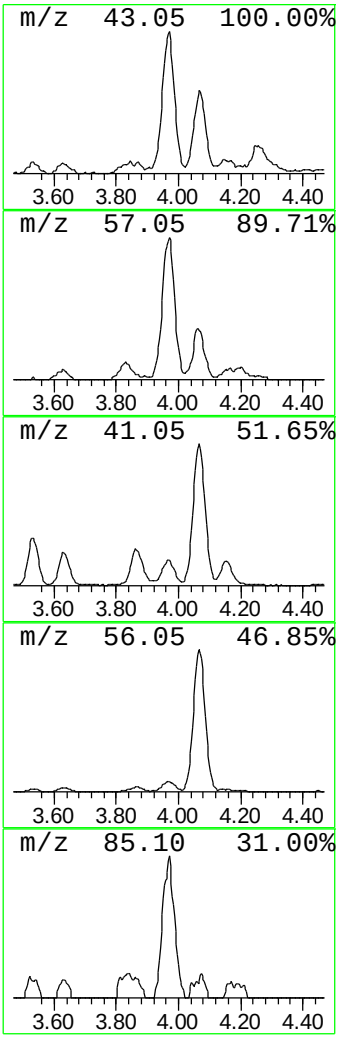
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	5.82 ug/L	91483	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

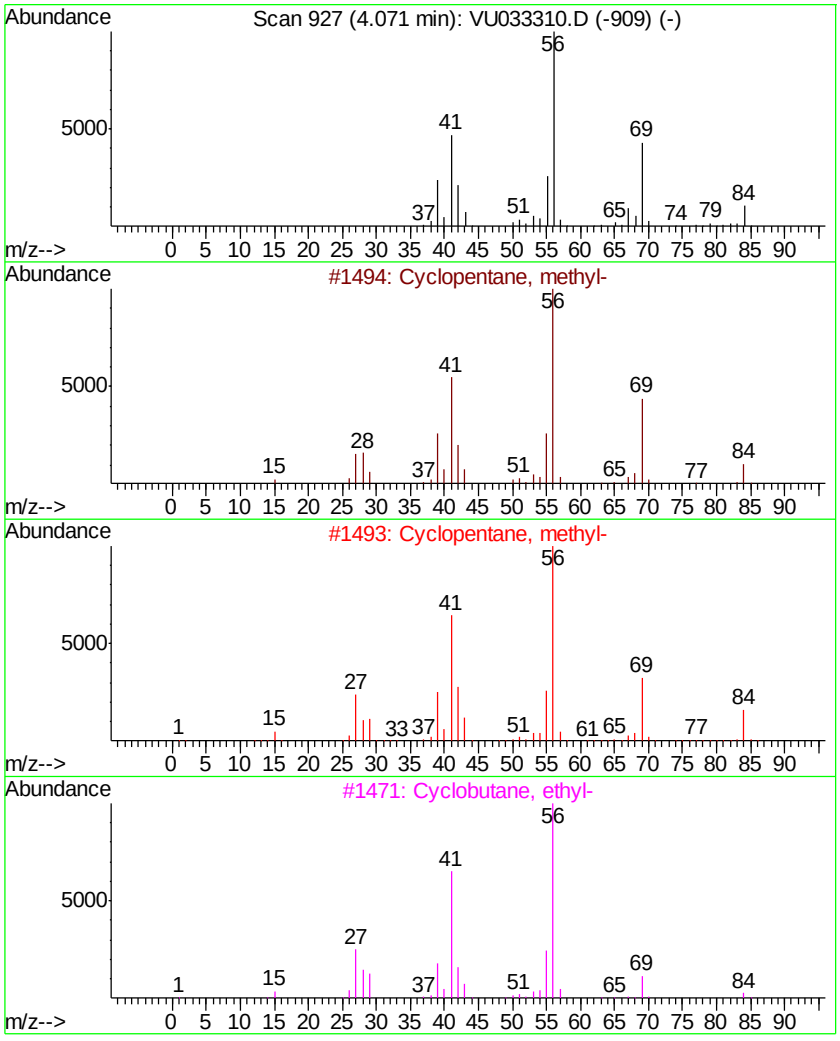
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

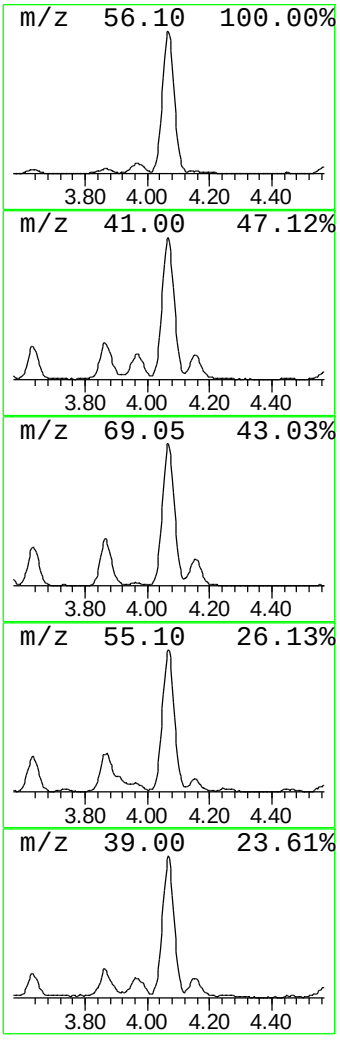
****

Peak Number 9 (DEL) Alkane: Cyclic4.07 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	33.58 ug/L	528166	1,4-Difluorobenzene	5.86

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	86
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59





Library Search Compound Report

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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

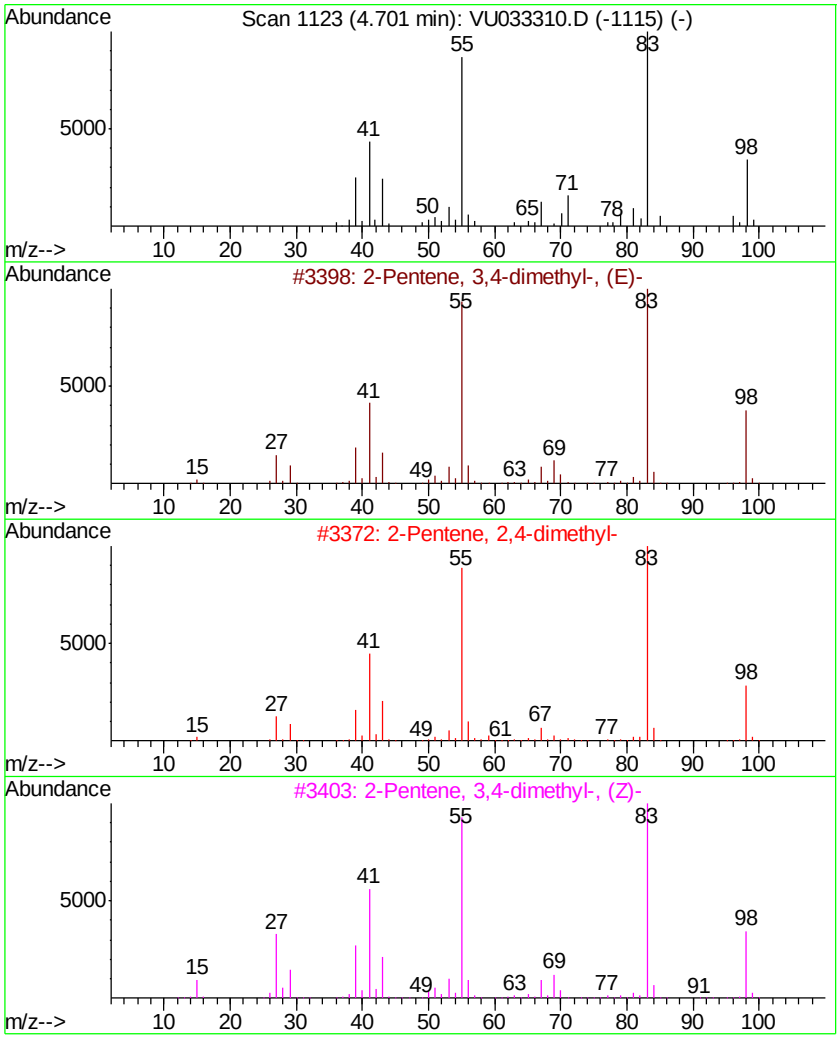
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

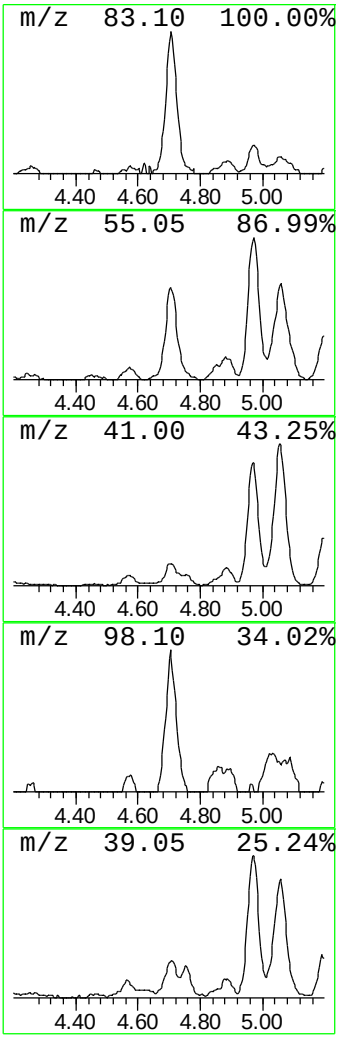
****

Peak Number 10 (DEL) Alkane: Cyclic4.70 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.70	3.10 ug/L	48778	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	87
2	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	74
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	72
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	72





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Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

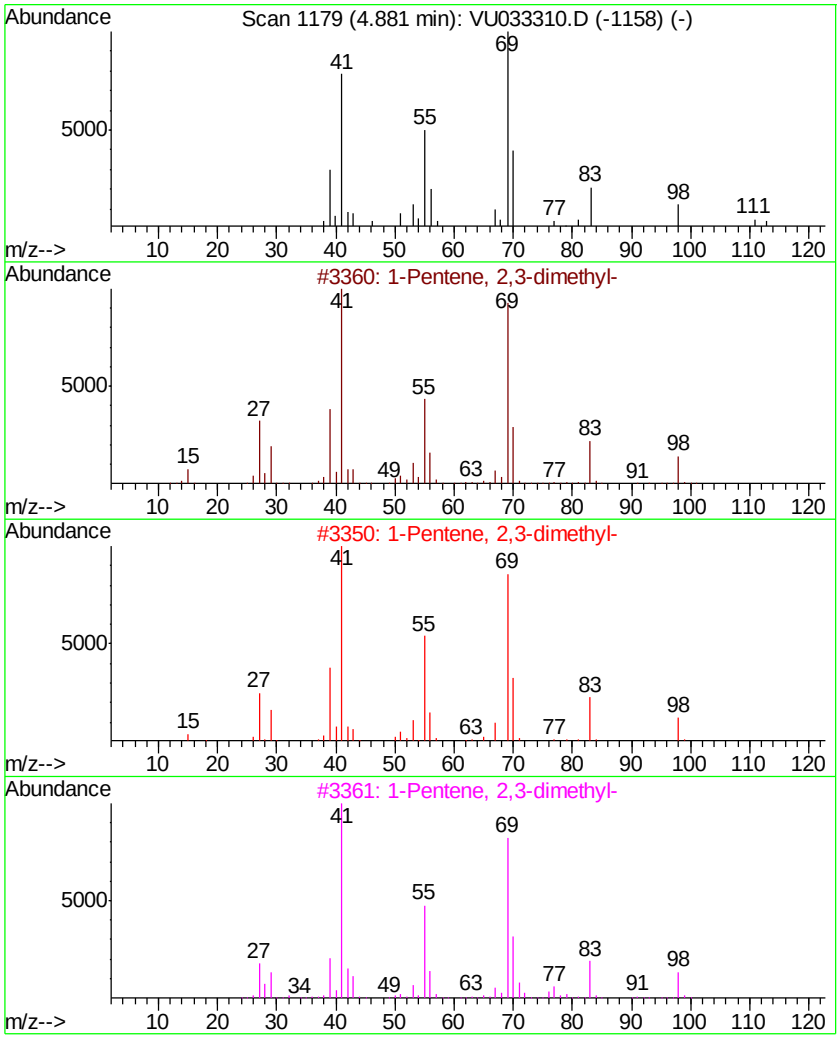
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

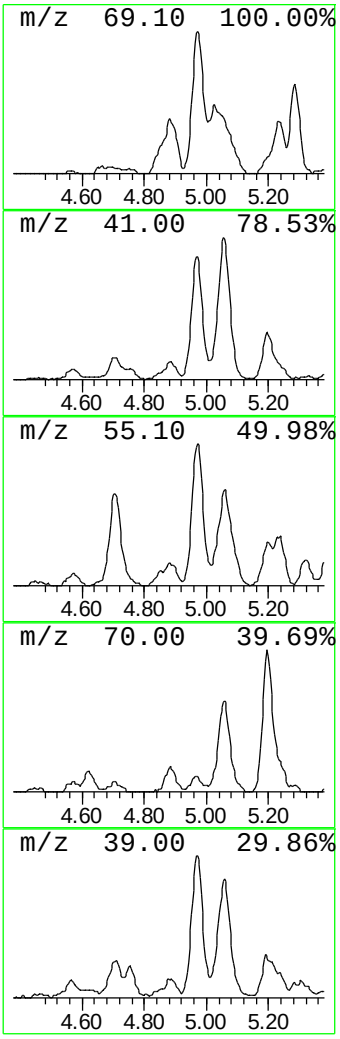
****

Peak Number 11 (DEL) Alkane: Cyclic4.88 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.88	2.73 ug/L	42961	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	90
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	90
3	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	86
4	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	76
5	3-Methyl-2-hexene	98	C7H14	017618-77-8	72





Library Search Compound Report

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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

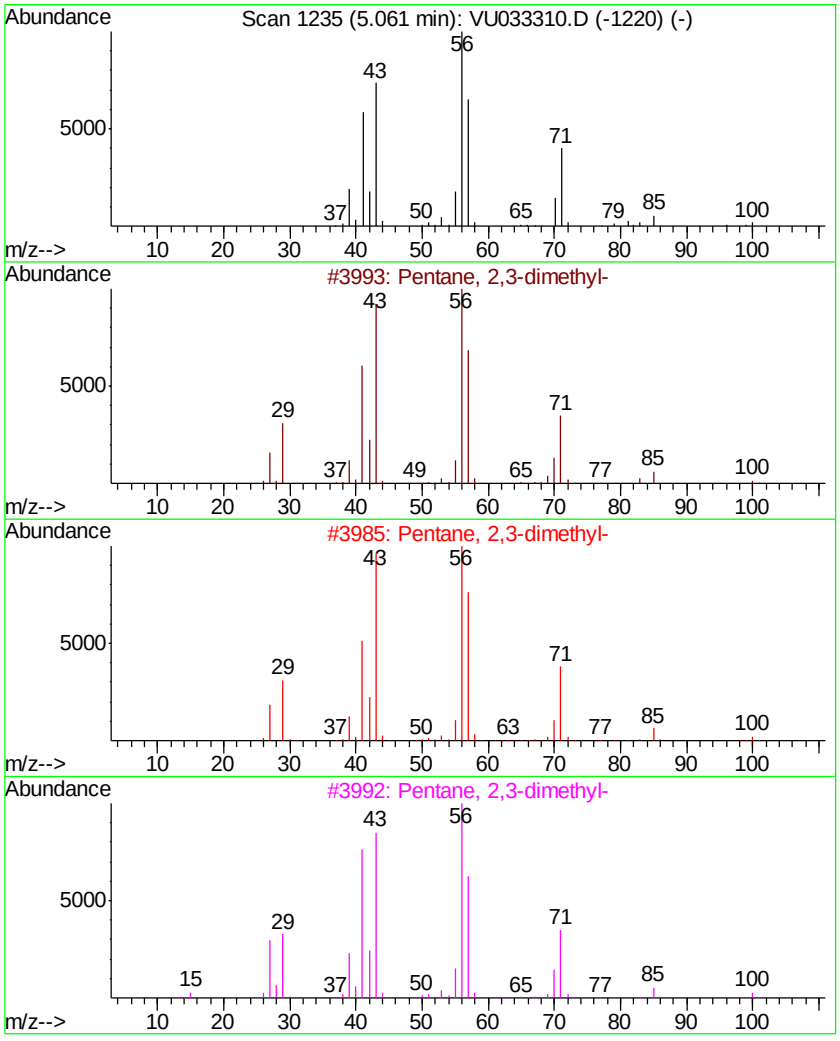
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

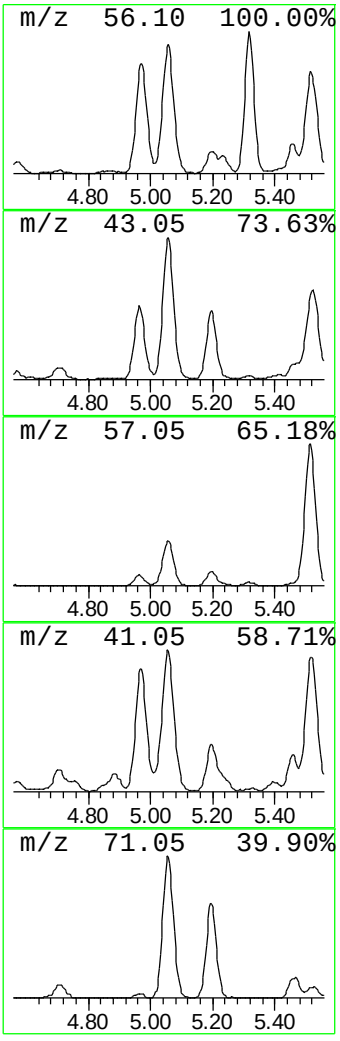
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	25.92 ug/L	407683	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

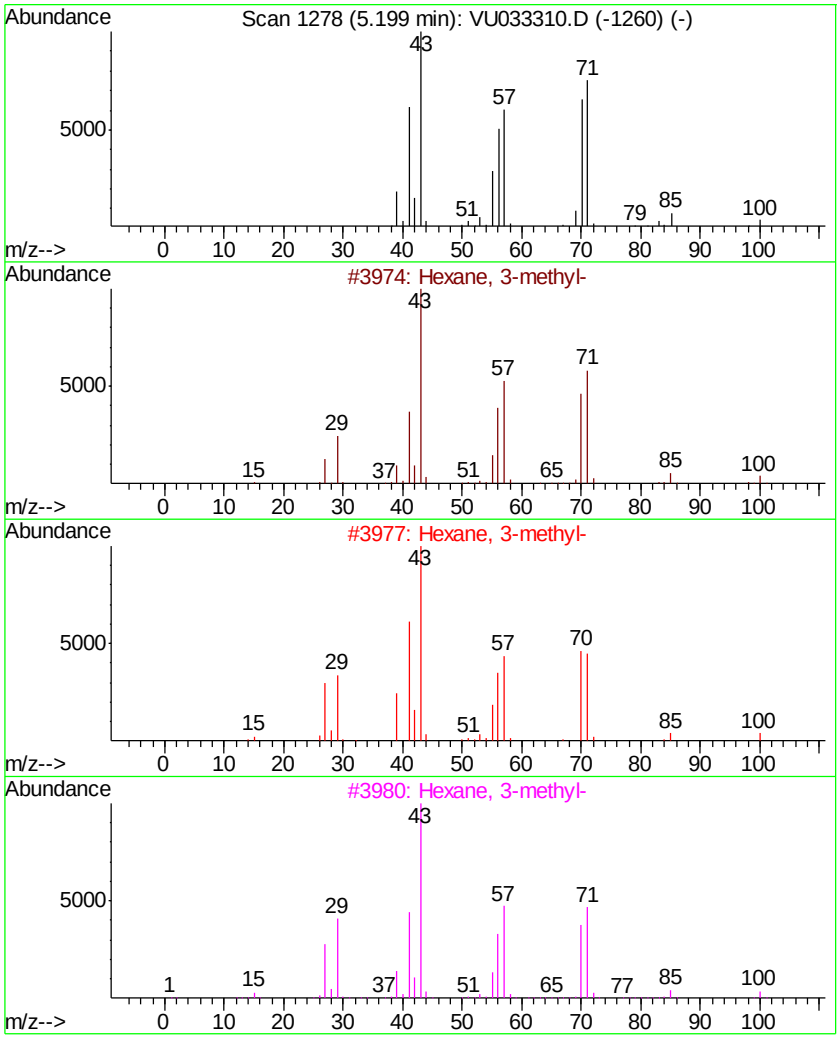
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

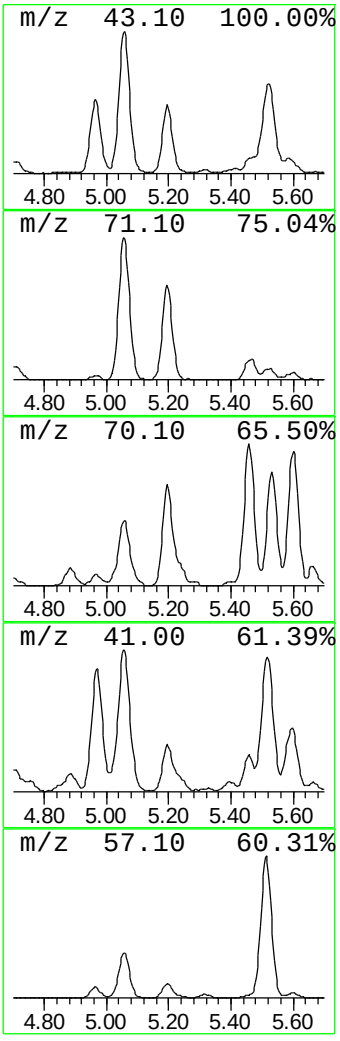
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	10.96 ug/L	172391	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	50





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

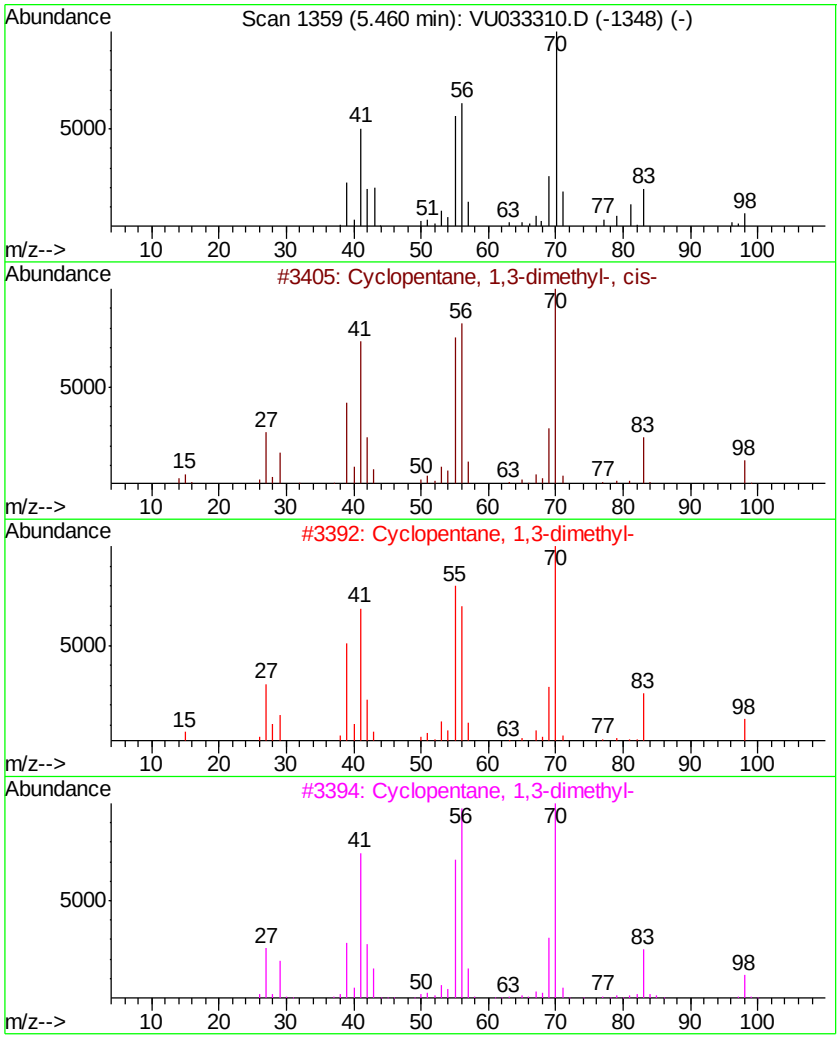
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

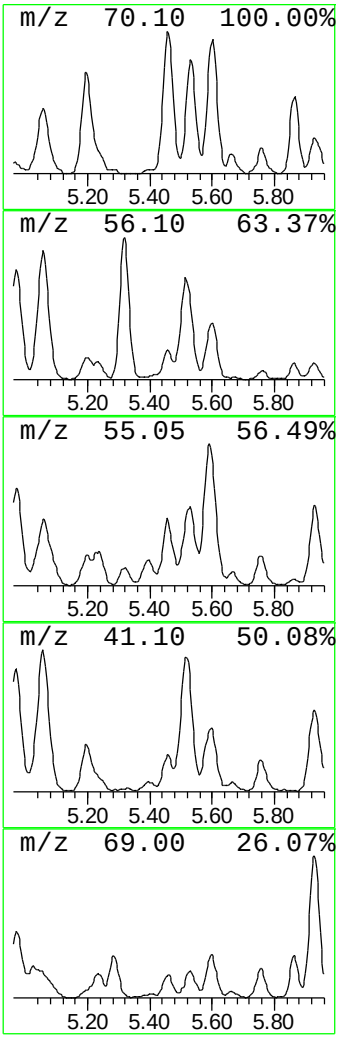
****

Peak Number 14 (DEL) Alkane: Cyclic5.46 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	5.62 ug/L	88438	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	83
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	72
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	70
4	1-Heptanol	116	C7H16O	000111-70-6	64
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	56





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Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

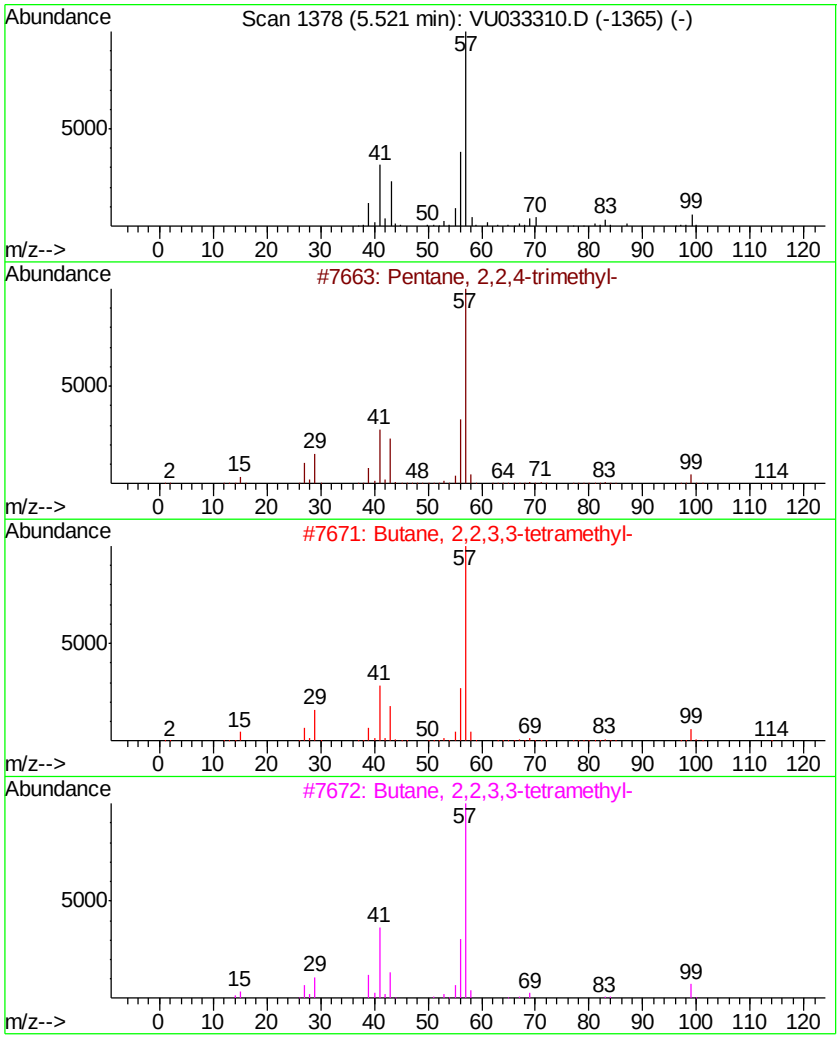
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

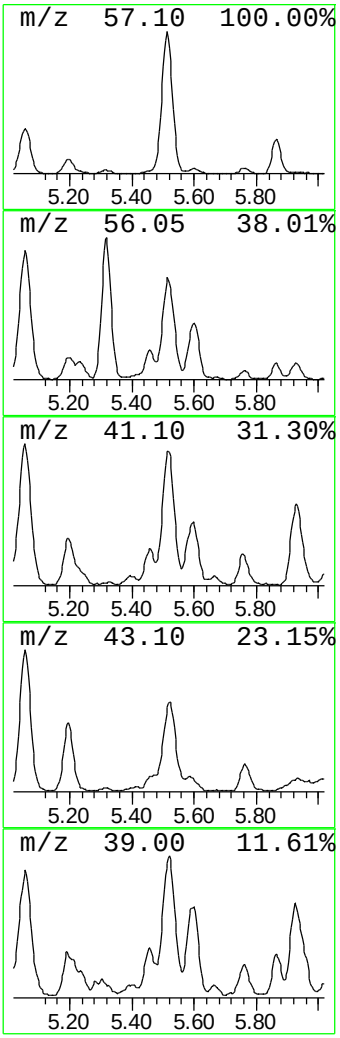
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	26.53 ug/L	417278	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64





Library Search Compound Report

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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

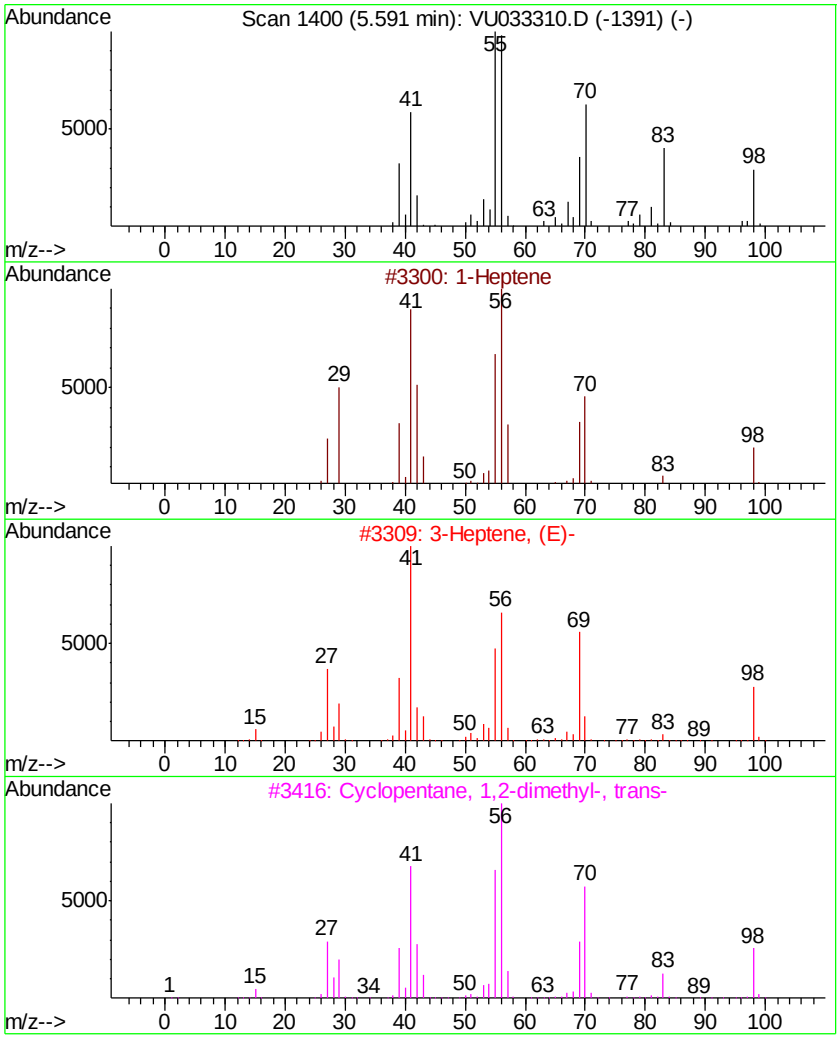
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

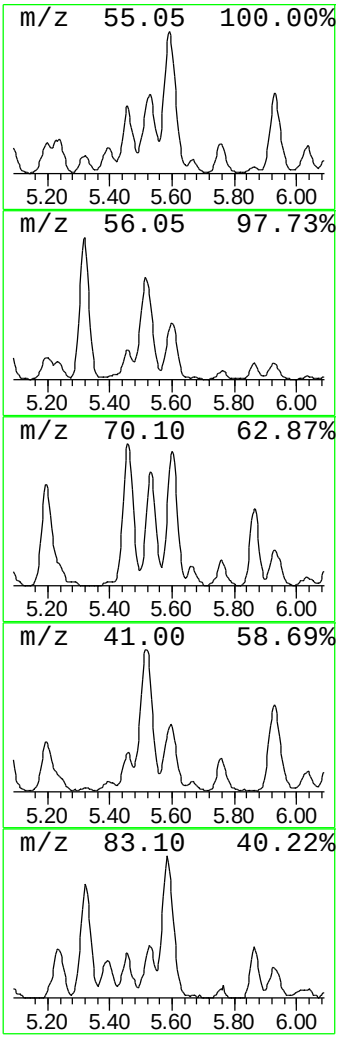
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic5.59 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	12.98 ug/L	204129	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene	98	C7H14	000592-76-7	72
2	3-Heptene, (E)-	98	C7H14	014686-14-7	68
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64
4	3-Heptene, (E)-	98	C7H14	014686-14-7	64
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

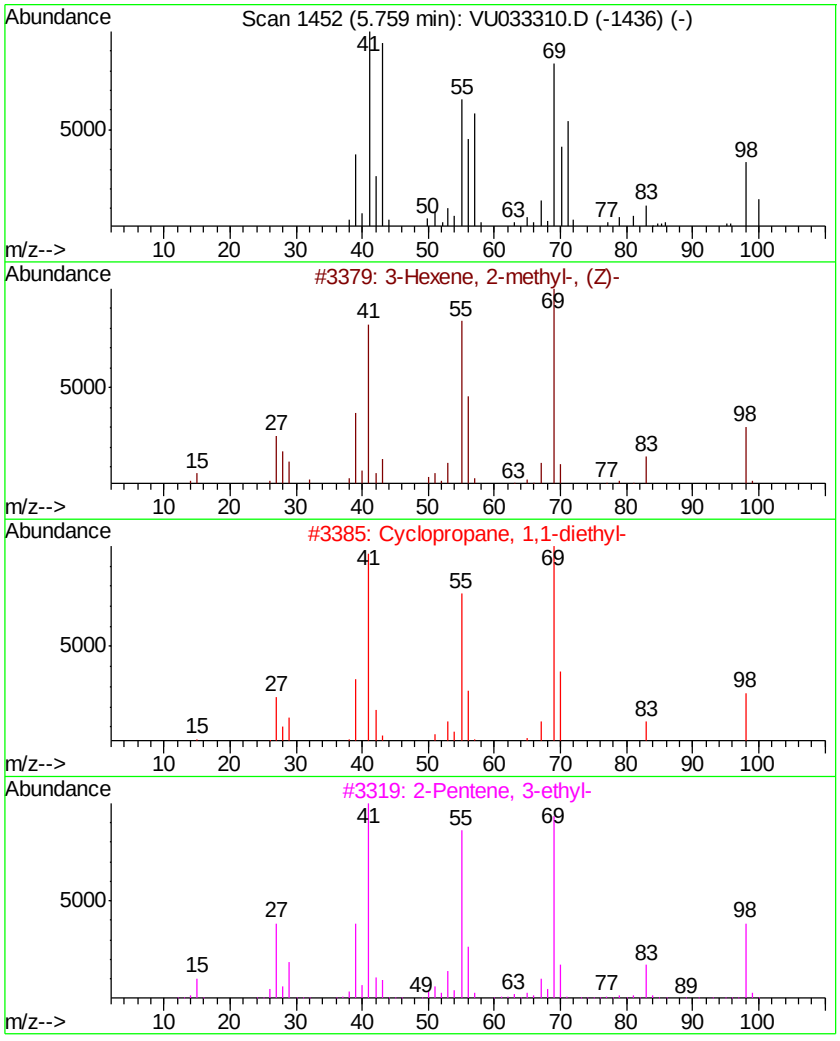
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

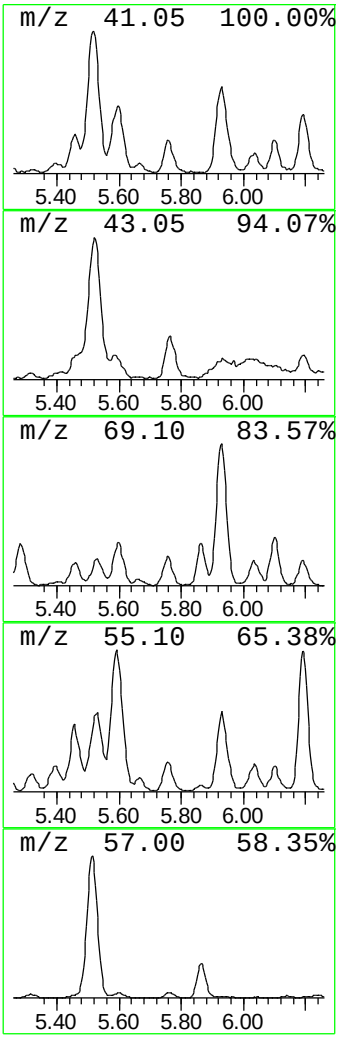
****

Peak Number 17 (DEL) Alkane: Cyclic5.76 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	4.67 ug/L	73490	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	55
2	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	52
3	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	50
4	3-Methyl-3-hexene	98	C7H14	003404-65-7	49
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	46





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

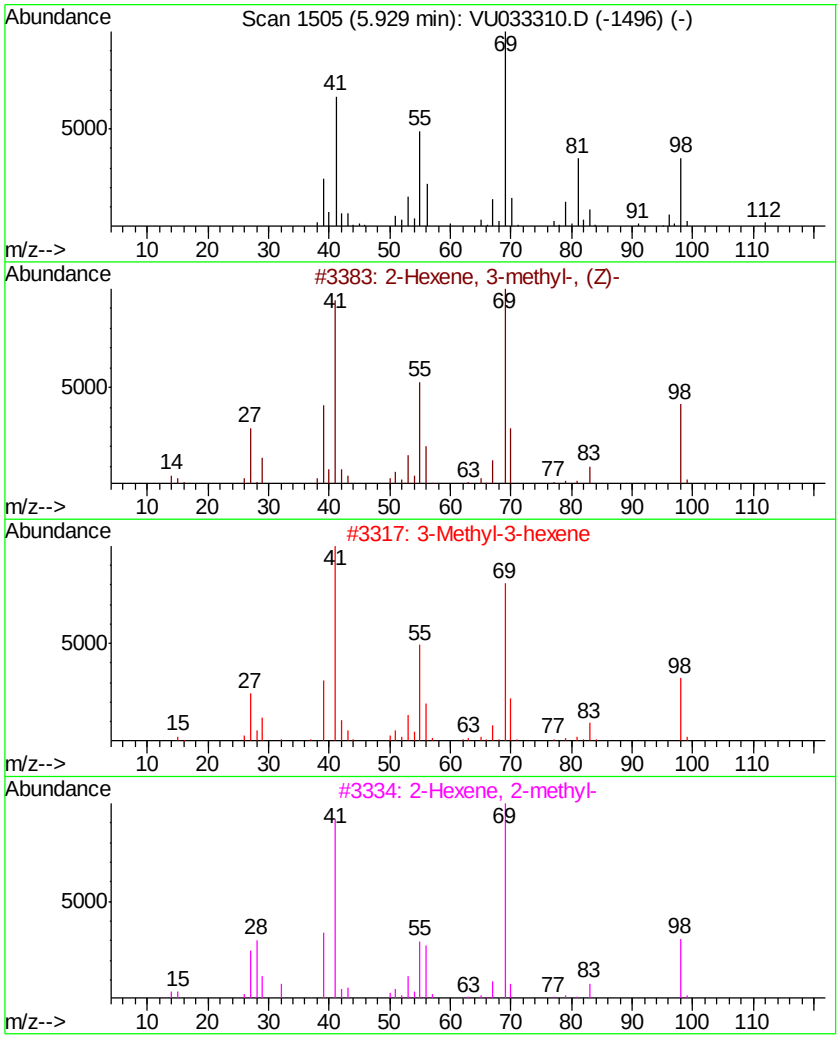
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

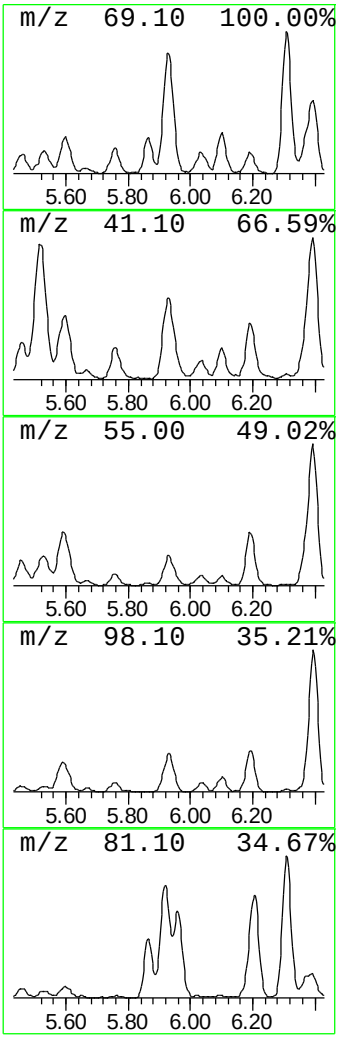
****

Peak Number 18 (DEL) Alkane: Cyclic5.93 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	17.47 ug/L	274712	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	81
2	3-Methyl-3-hexene	98	C7H14	003404-65-7	81
3	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	81
4	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	74
5	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	68





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Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

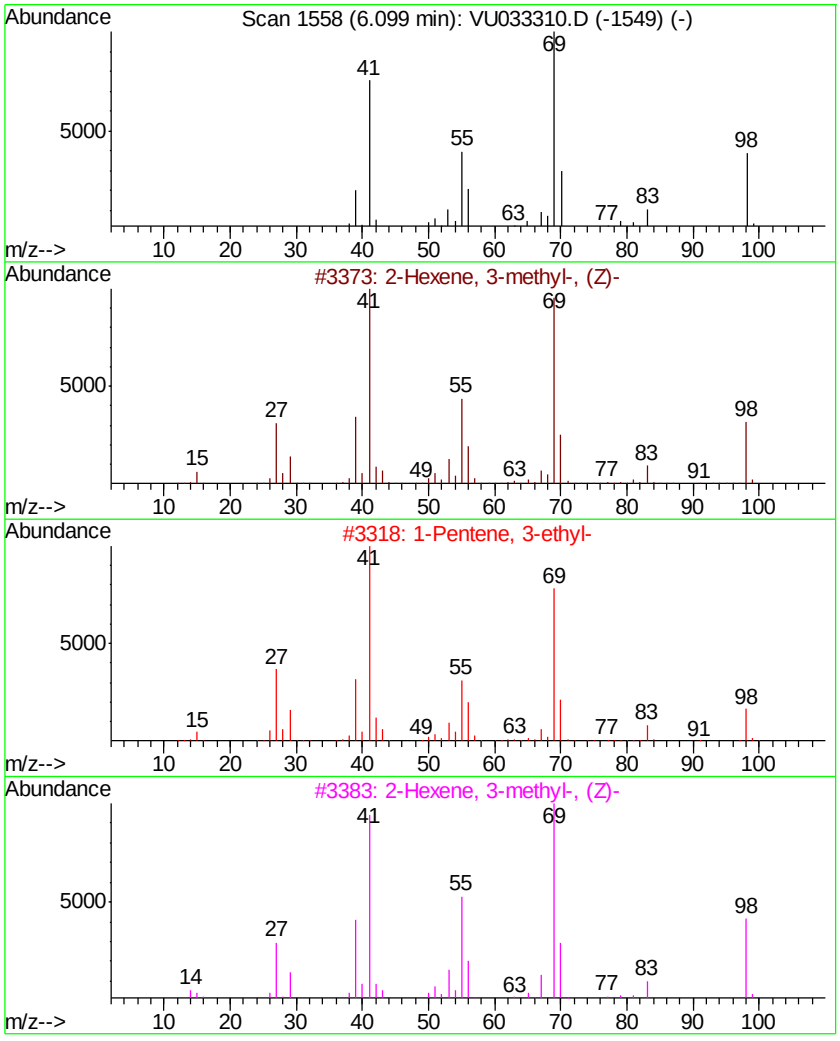
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

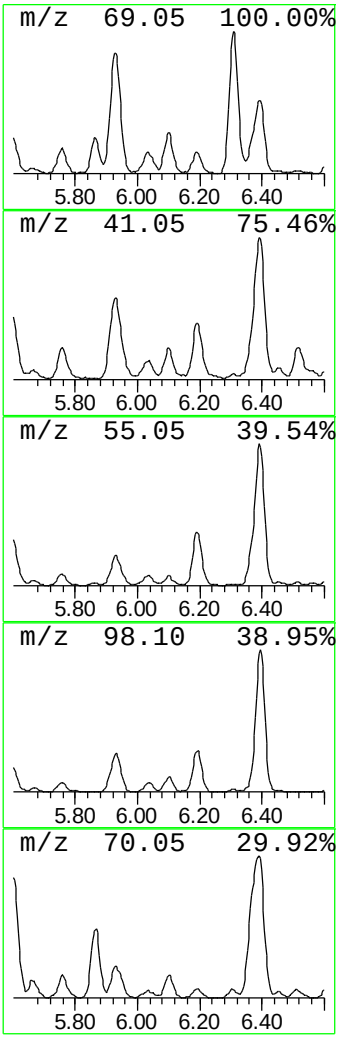
****

Peak Number 19 (DEL) Alkane: Cyclic6.10 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	2.62 ug/L	41259	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	91
2	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	91
3	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	87
4	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	86
5	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	86





Library Search Compound Report

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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

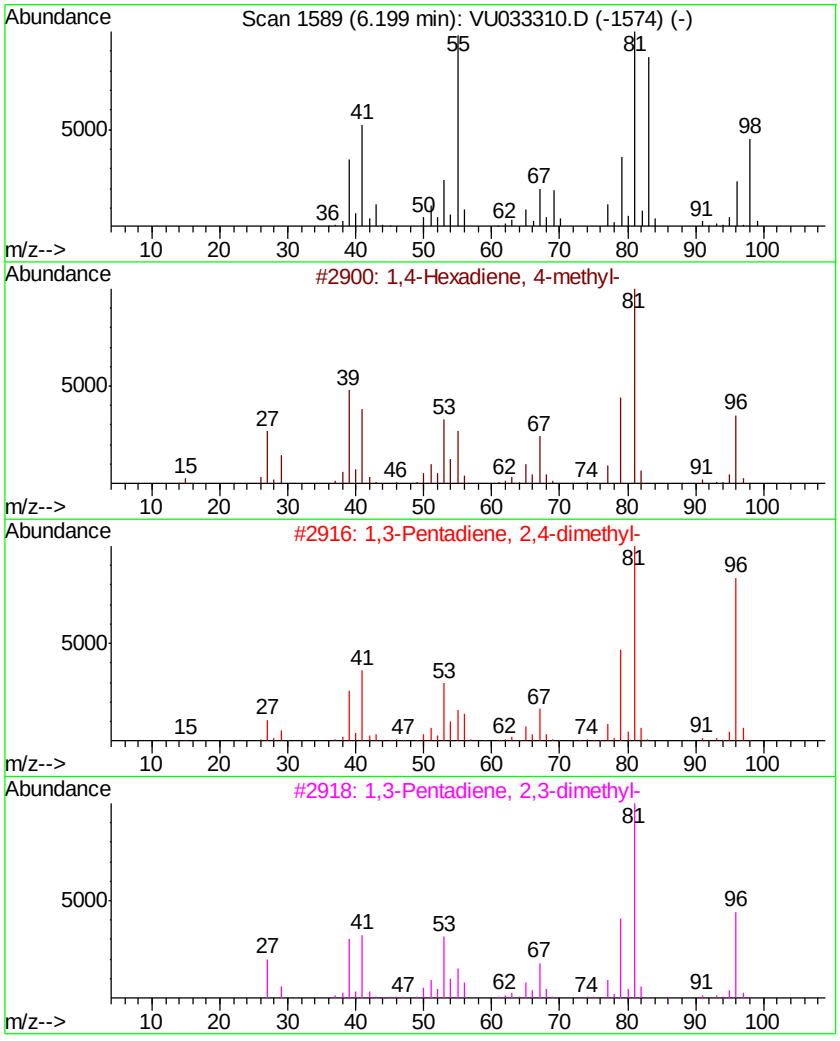
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

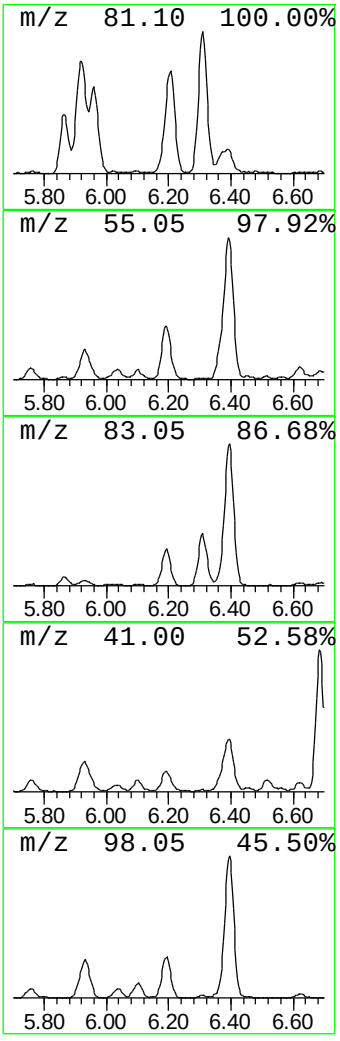
****

Peak Number 20 1,4-Hexadiene, 4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	12.64 ug/L	198856	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	50
2	1,3-Pentadiene, 2,4-dimethyl-	96	C7H12	001000-86-8	50
3	1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	50
4	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	45
5	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	43





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

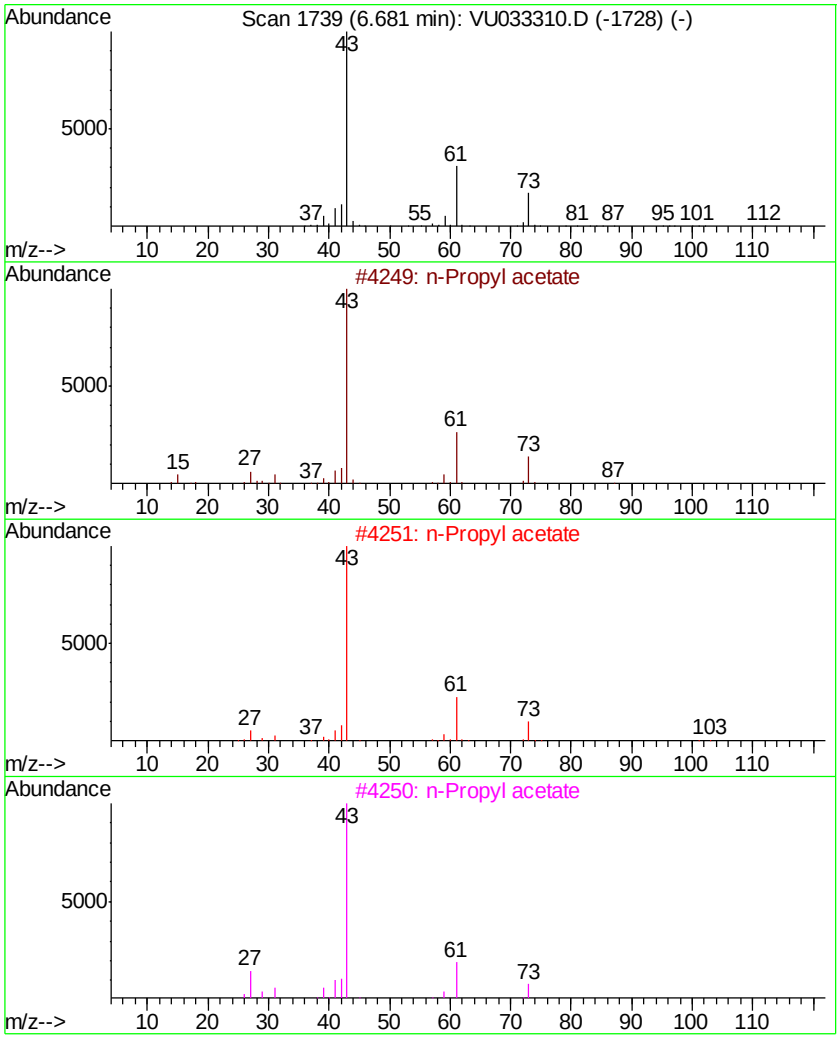
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

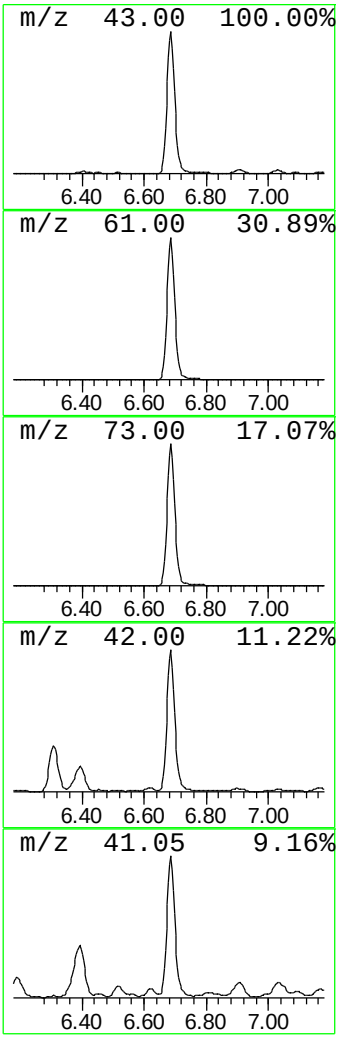
****

Peak Number 21 n-Propyl acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	123.49 ug/L	1942080	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2	n-Propyl acetate	102	C5H10O2	000109-60-4	83
3	n-Propyl acetate	102	C5H10O2	000109-60-4	78
4	Isopropyl acetate	102	C5H10O2	000108-21-4	36
5	Propanal, 2,3-dihydroxy-, (S)-	90	C3H6O3	000497-09-6	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

****

Peak Number 22 Cyclohexene, 1-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	4.22 ug/L	66385	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	87
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	55
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	52
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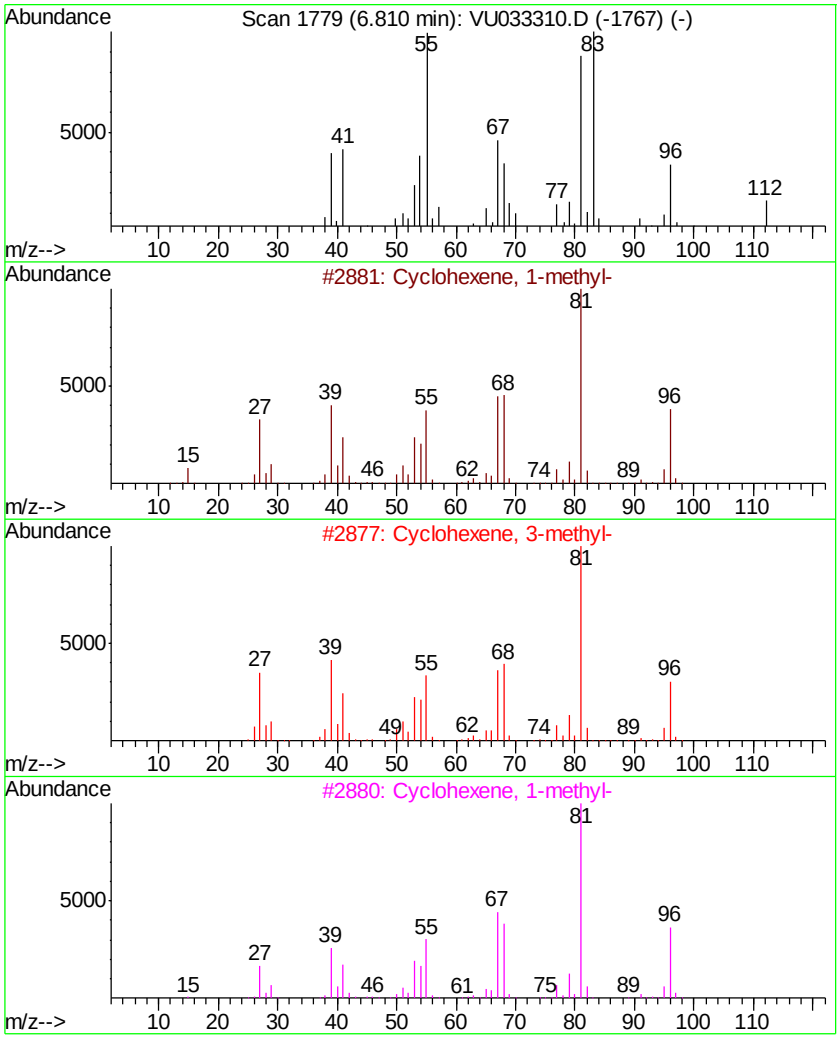
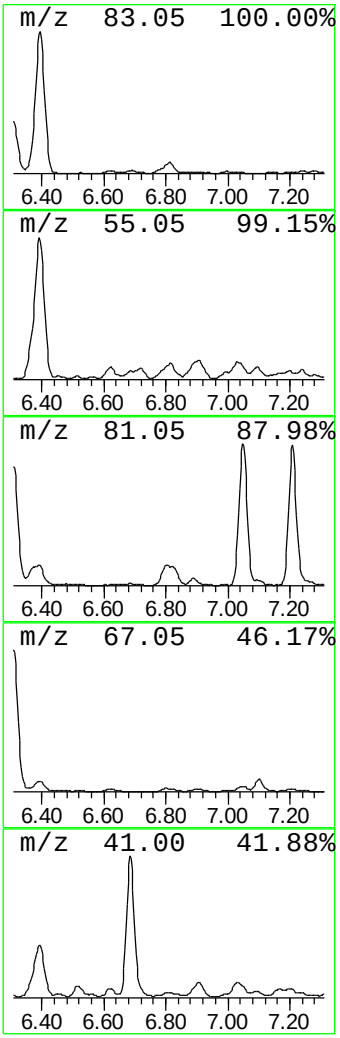




Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

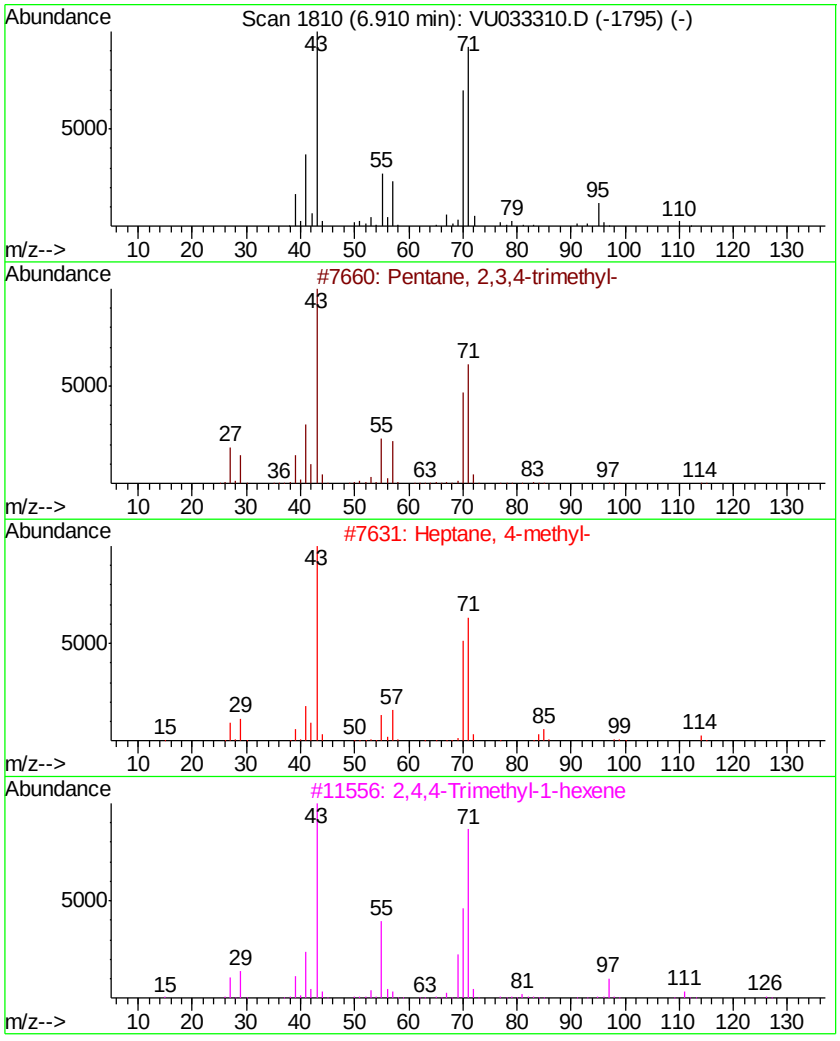
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

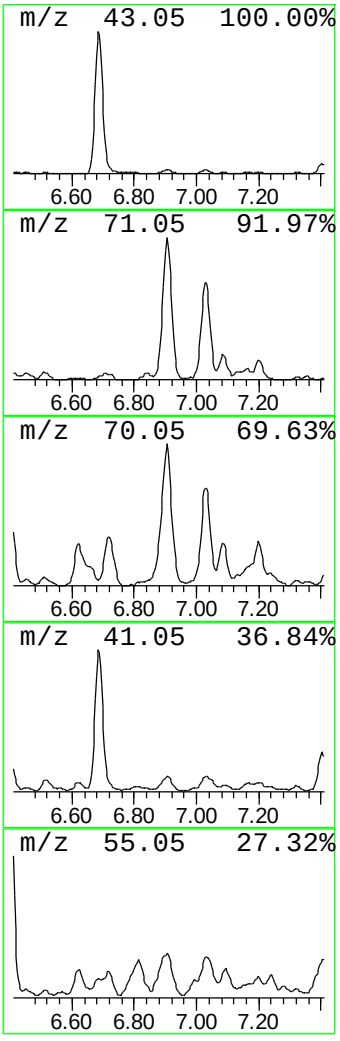
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	10.76 ug/L	169159	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	72
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	72





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Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

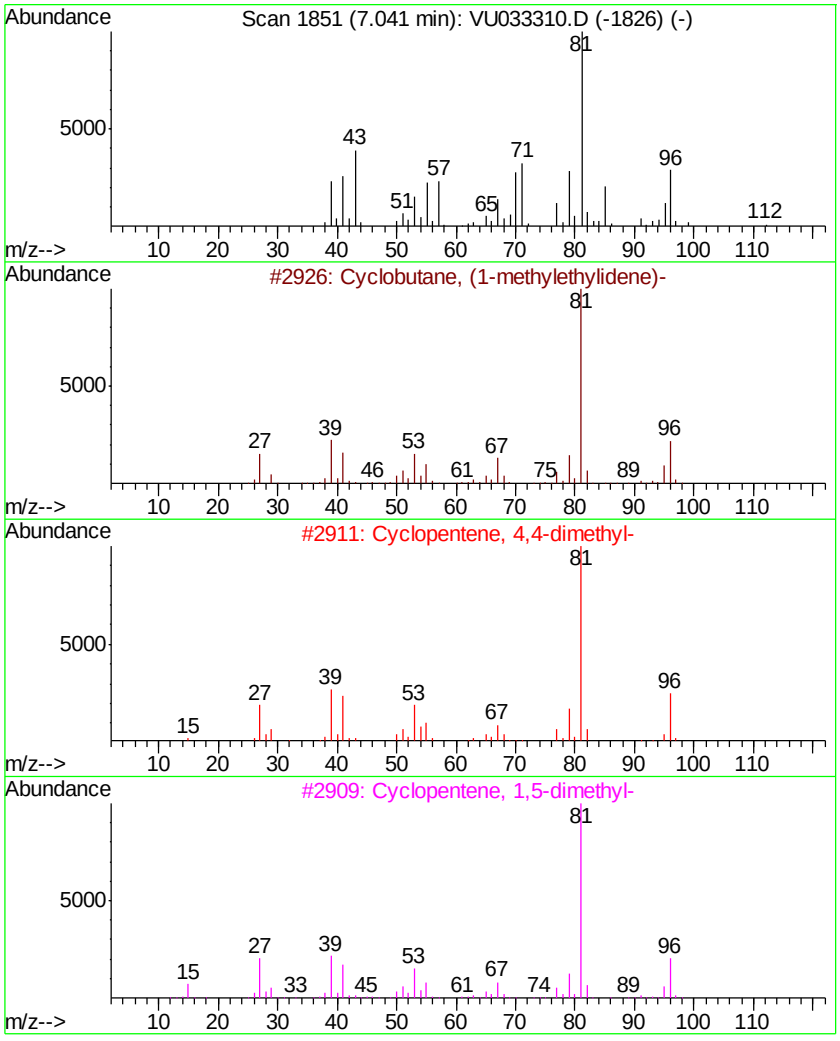
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

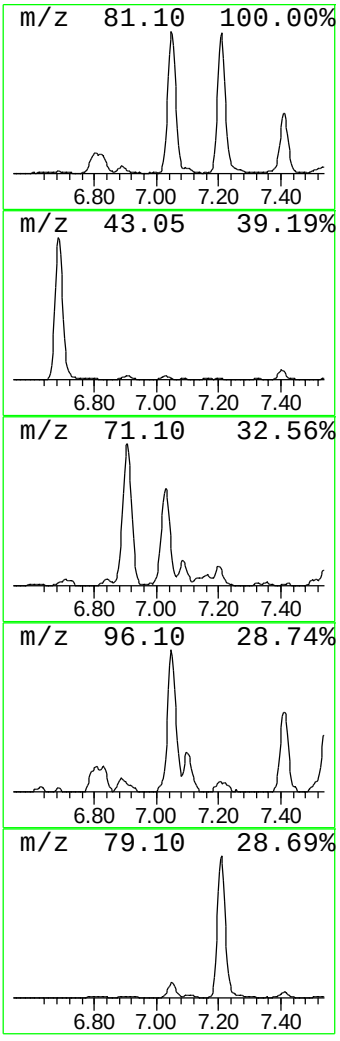
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Cyclobutane, (1-methylethyl... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	16.92 ug/L	266138	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	60
2	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	53
3	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	53
4	1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	50
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	47





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Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

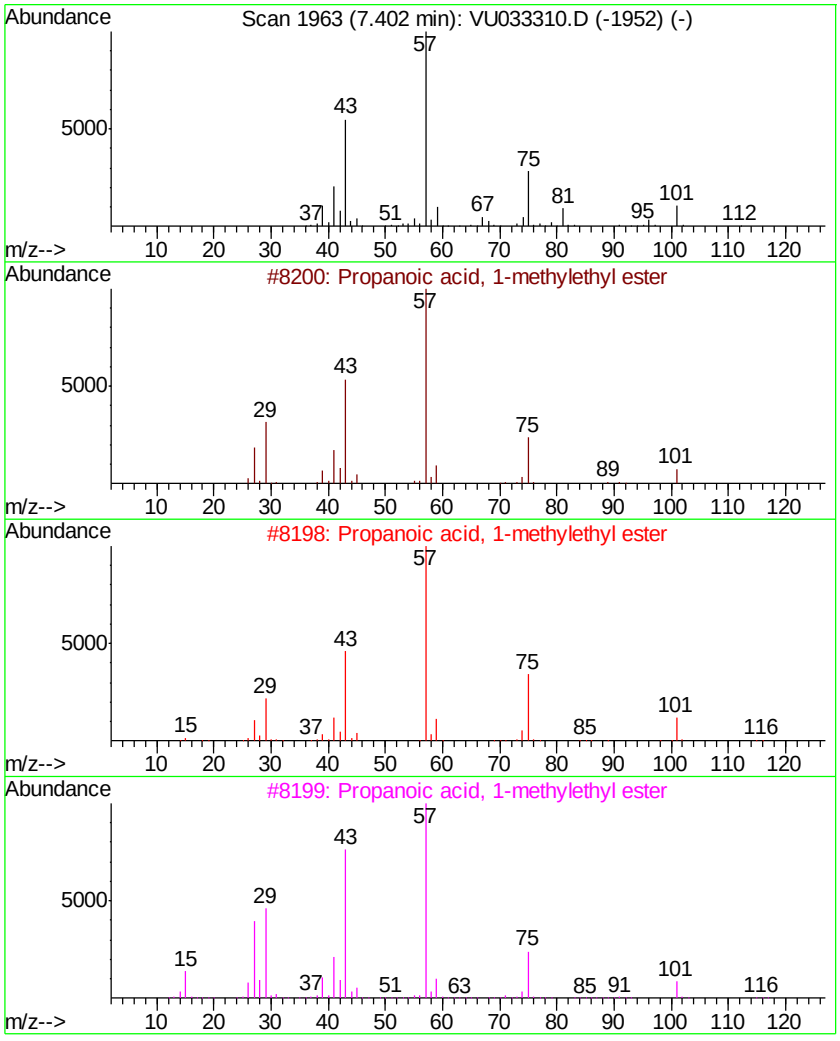
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

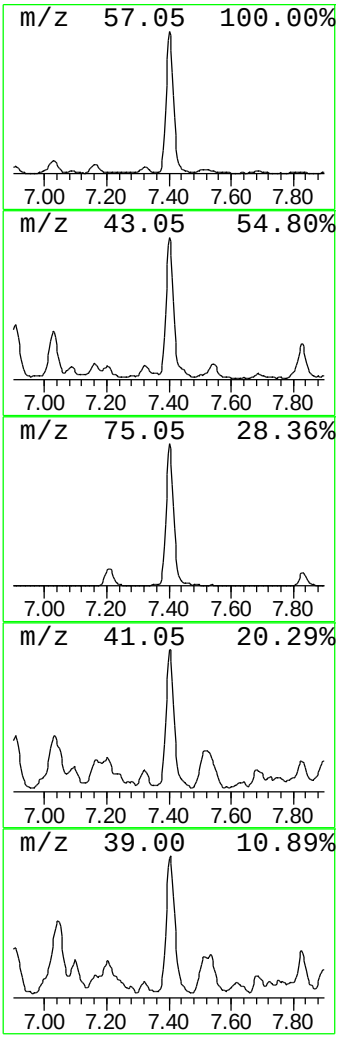
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Propanoic acid, 1-methyleth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	26.65 ug/L	419088	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	59
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	59
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	45
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	38
5	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	10





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

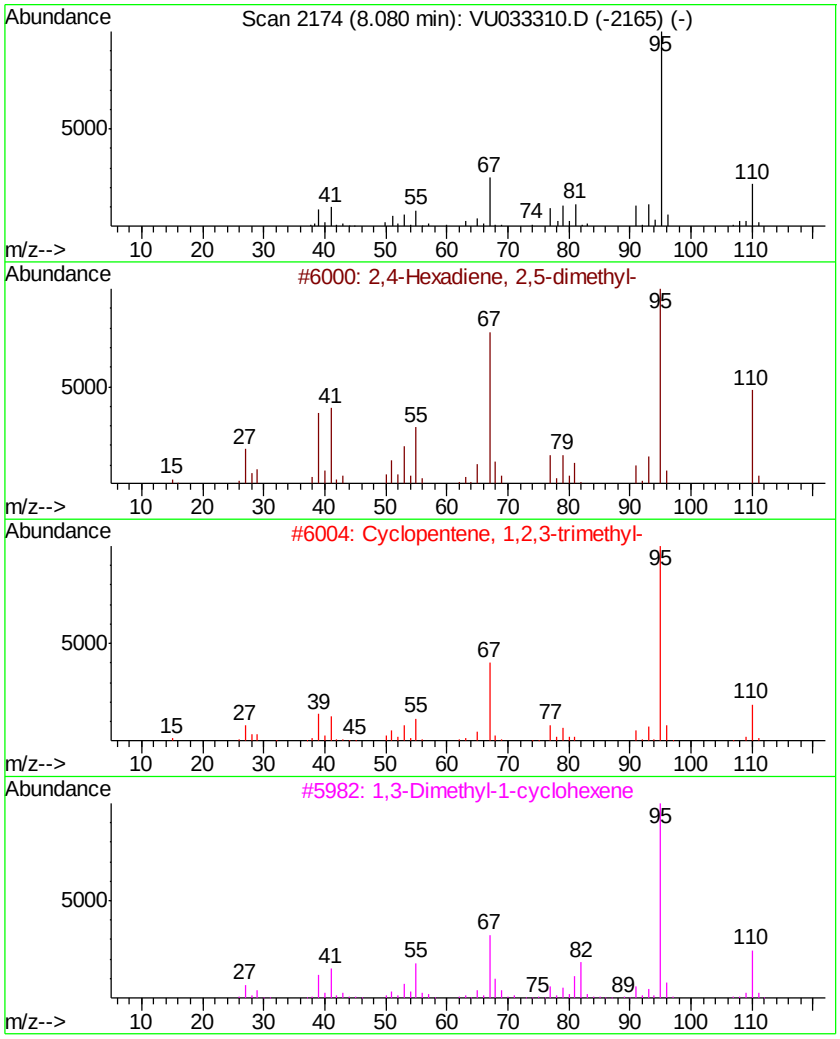
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

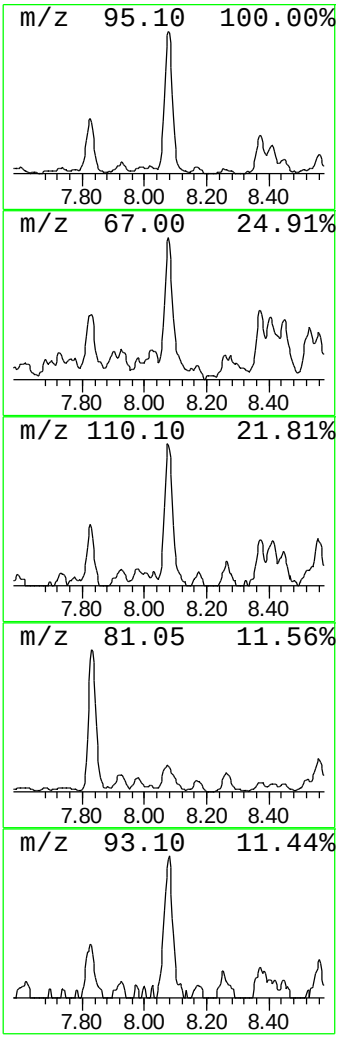
****

Peak Number 27 2,4-Hexadiene, 2,5-dimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	3.65 ug/L	70954	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	91
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	76
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	74
4	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	72
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

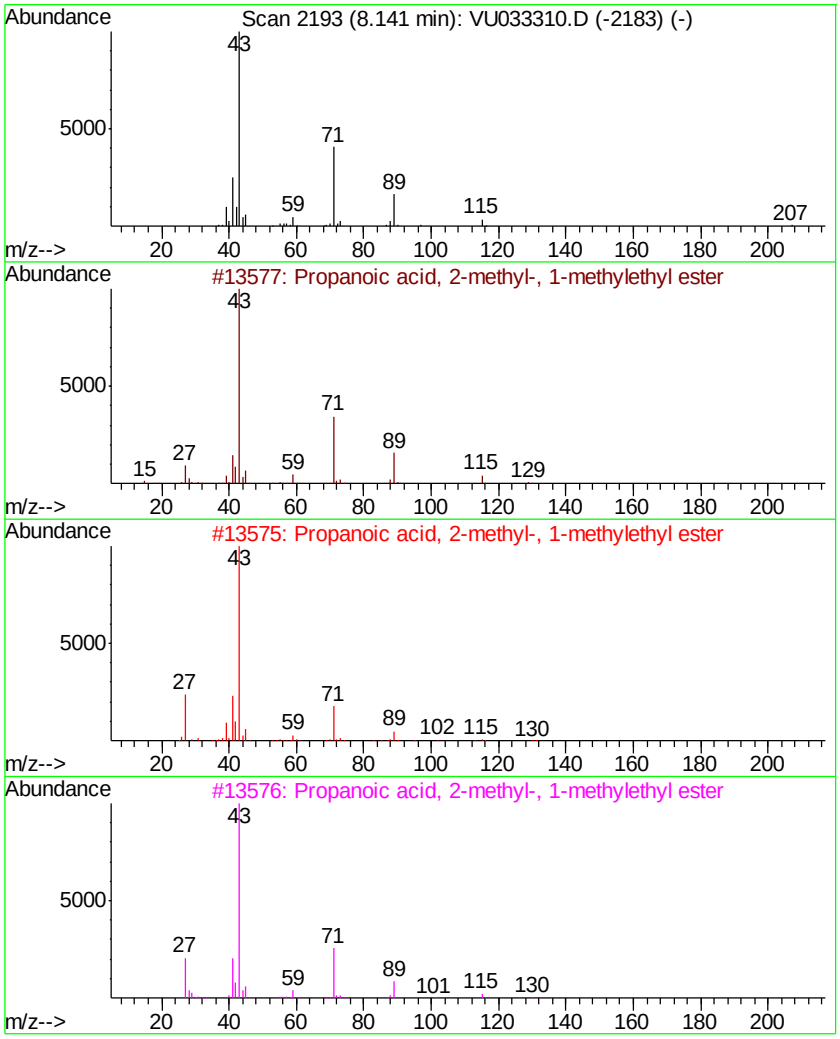
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

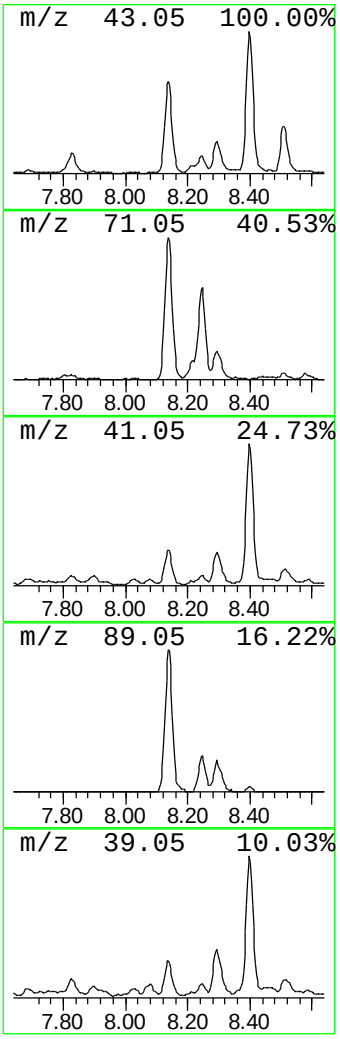
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Propanoic acid, 2-methyl-, ... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	9.40 ug/L	182650	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	74
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	74
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	64
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	56





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

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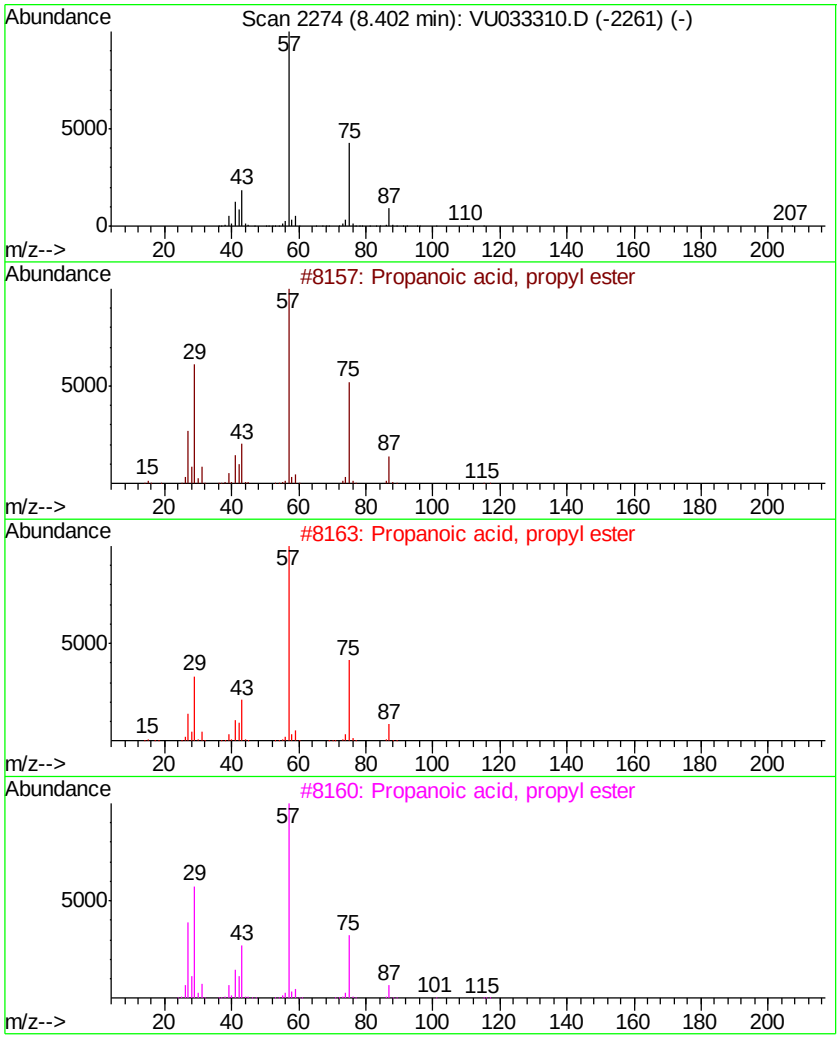
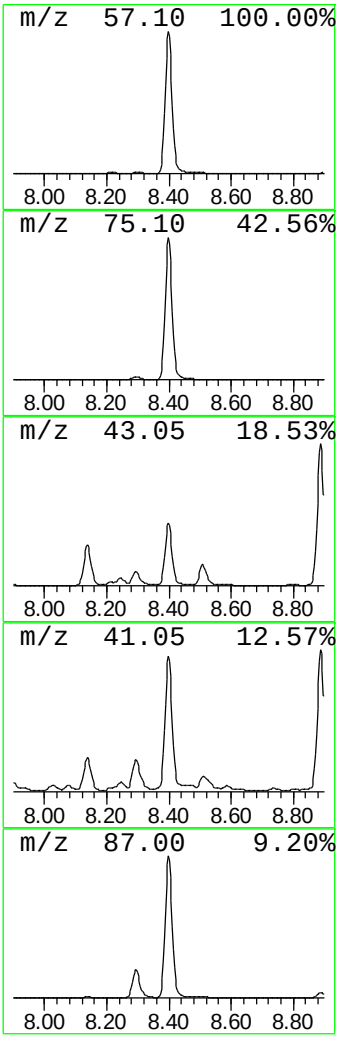
Peak Number 29 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	65.89 ug/L	1280140	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

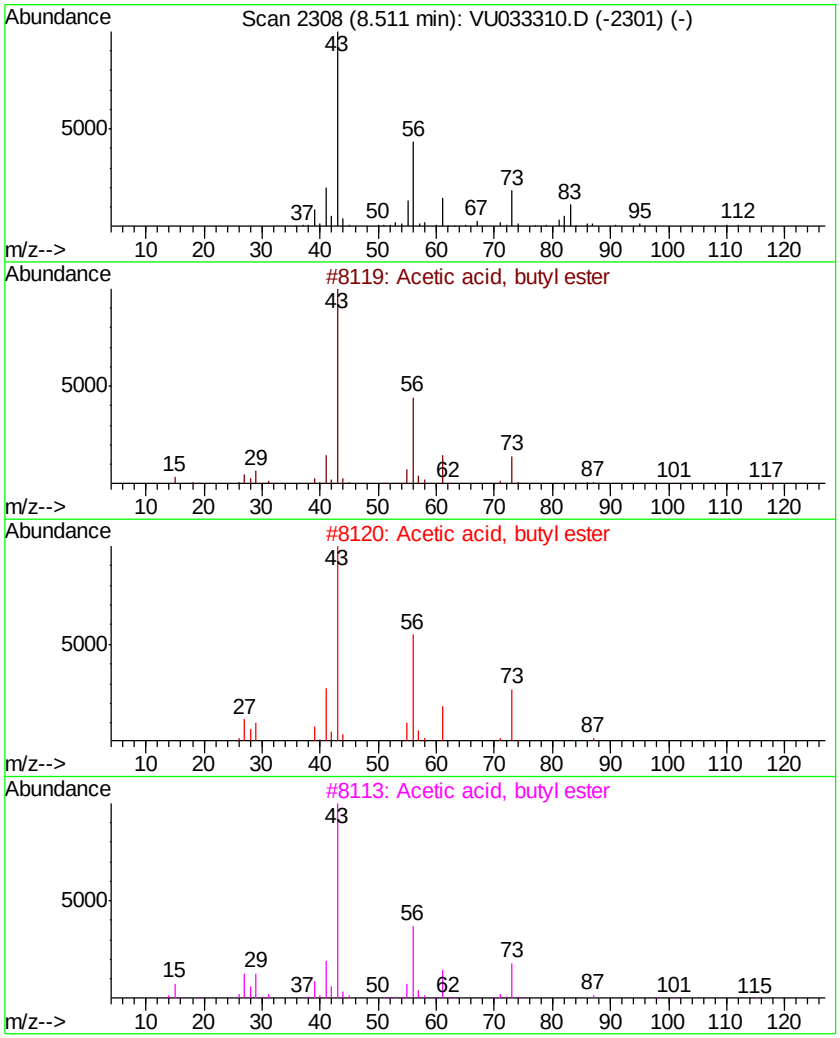
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

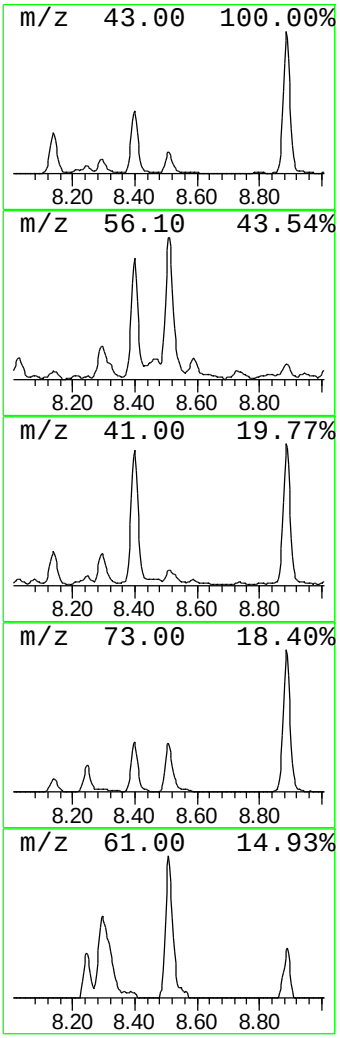
****

Peak Number 30 Acetic acid, butyl ester Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	5.08 ug/L	98644	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	64
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	53
3	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	50
4	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	42
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	25





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Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

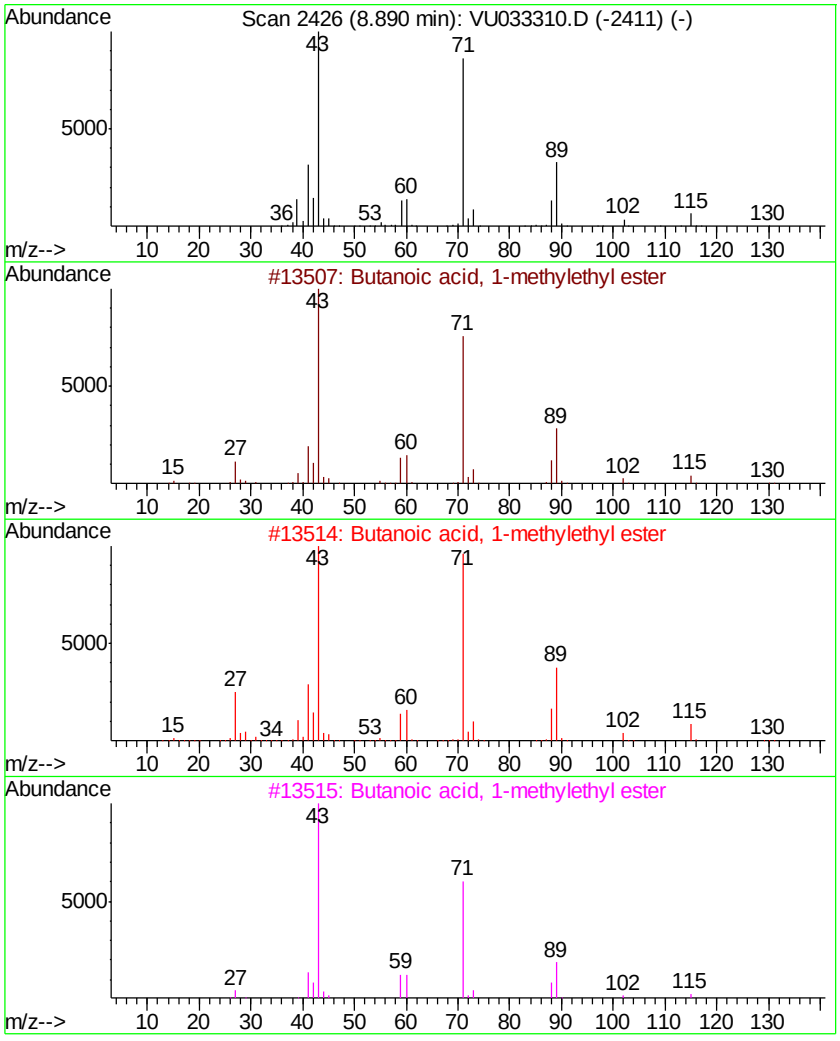
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

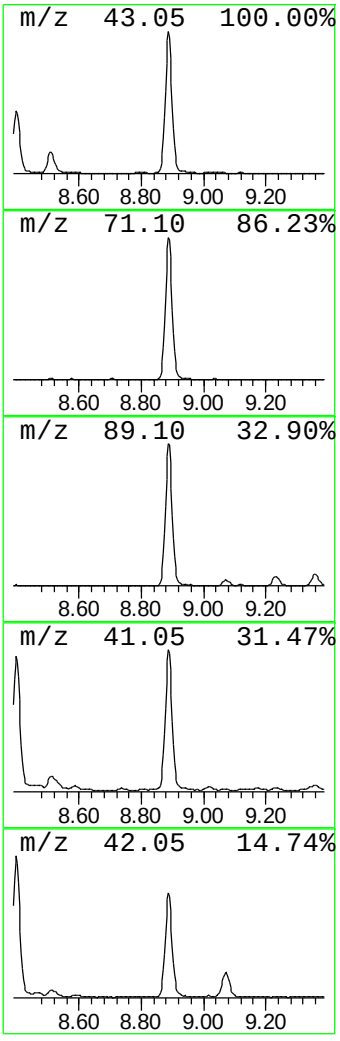
****

Peak Number 31 Butanoic acid, 1-methylethy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	46.34 ug/L	900400	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	91
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	91
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	83
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	72
5	Butanoic acid, pentyl ester	158	C9H18O2	000540-18-1	64





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Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

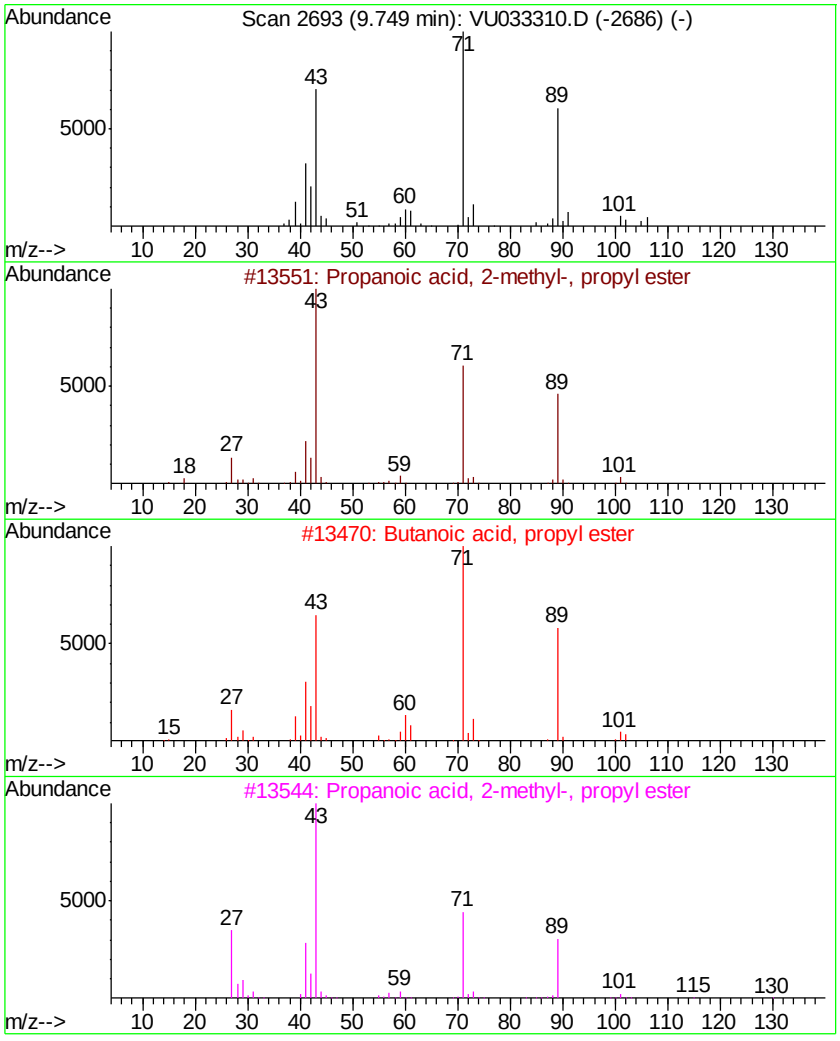
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

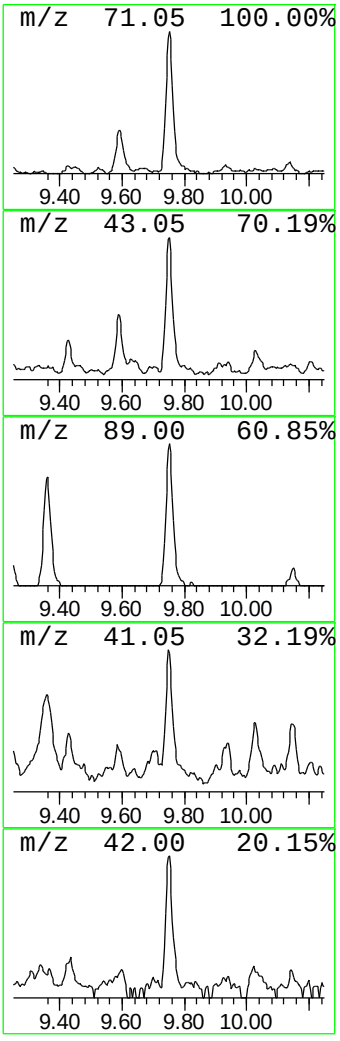
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Propanoic acid, 2-methyl-, ... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	3.05 ug/L	59342	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	72
2	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	53
3	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	50
4	Propanoic acid, 2-methyl-, butyl...	144	C8H16O2	000097-87-0	50
5	Butanoic acid, propyl ester	130	C7H14O2	000105-66-8	47





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

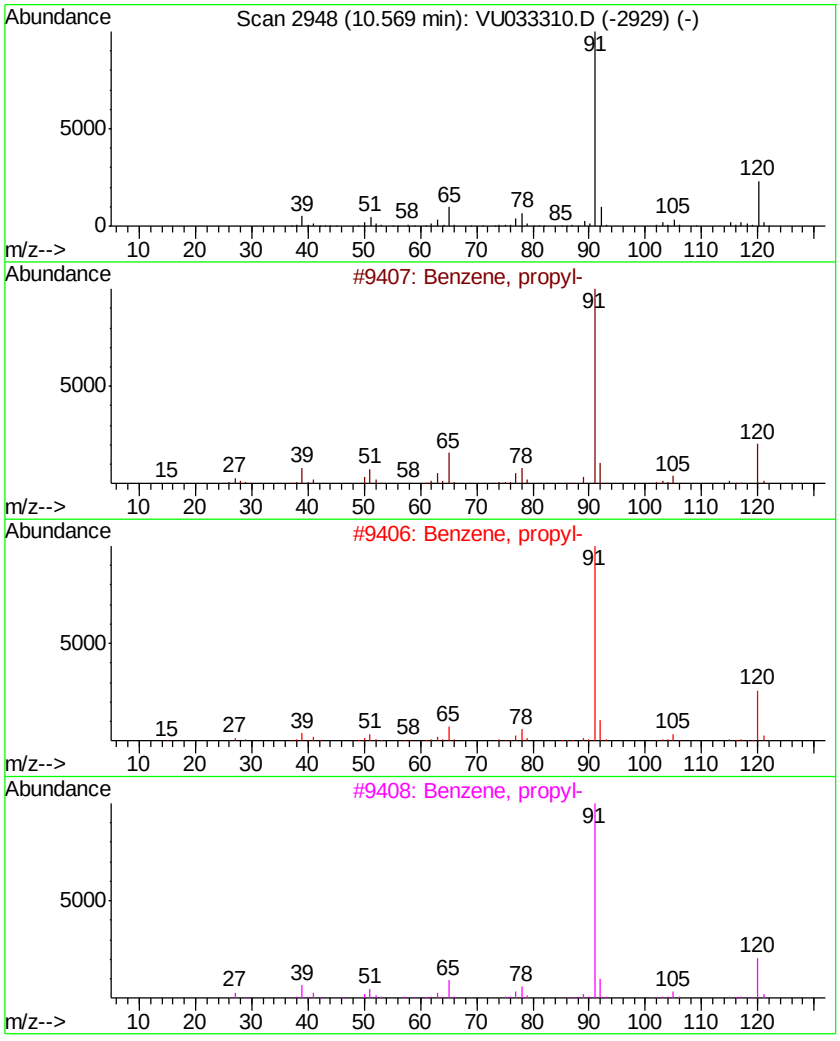
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

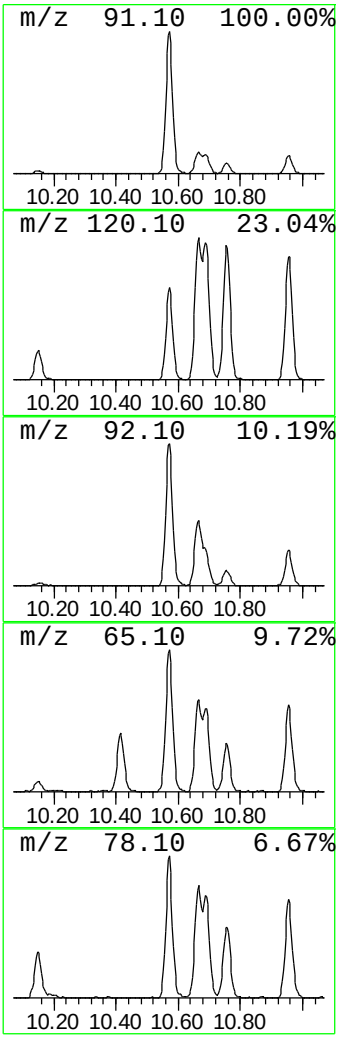
****

Peak Number 33 Benzene, propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	22.80 ug/L	478627	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

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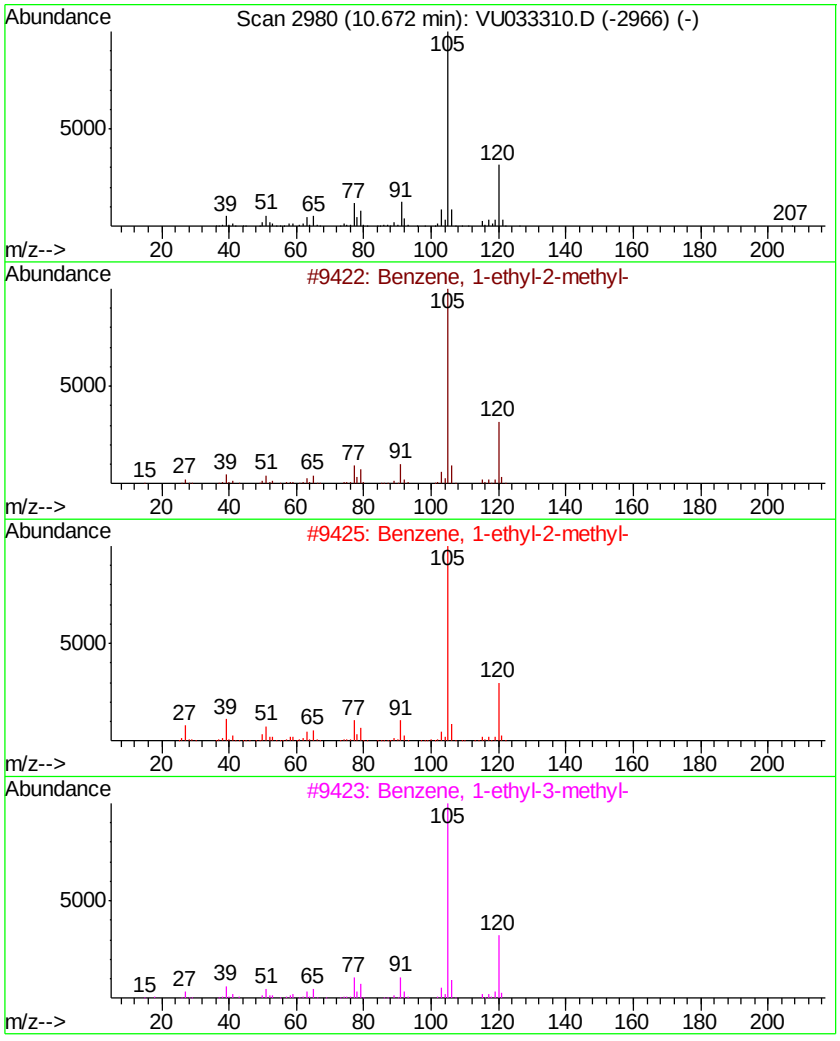
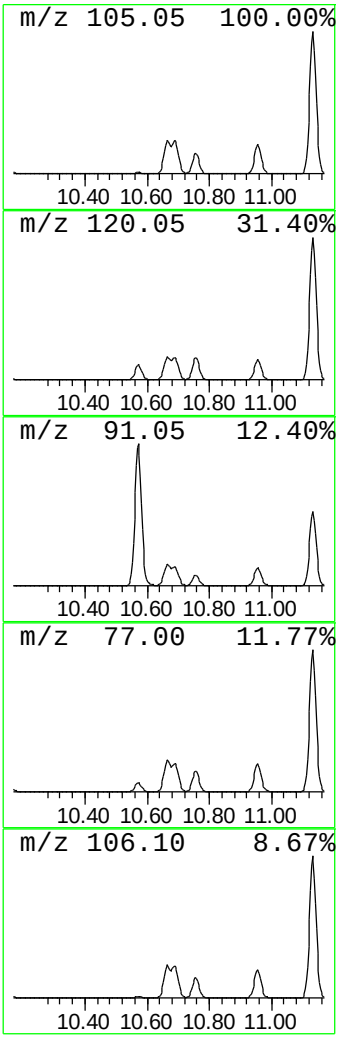
Peak Number 34 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	33.44 ug/L	702033	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

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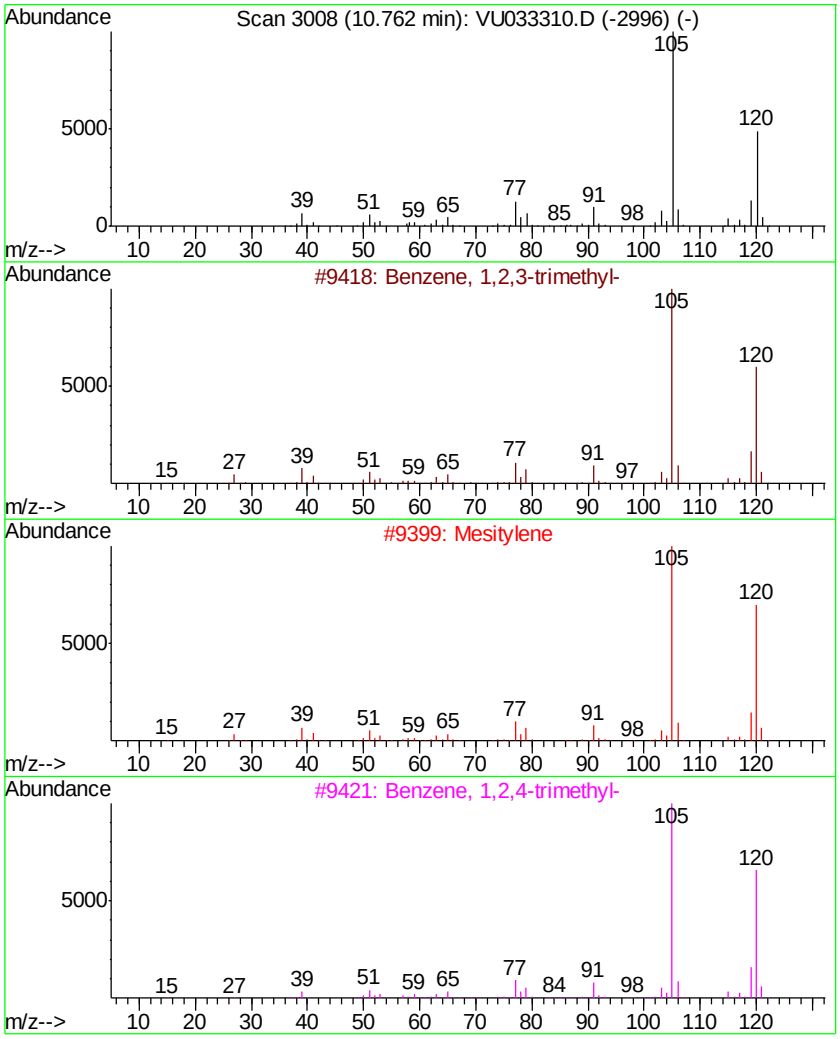
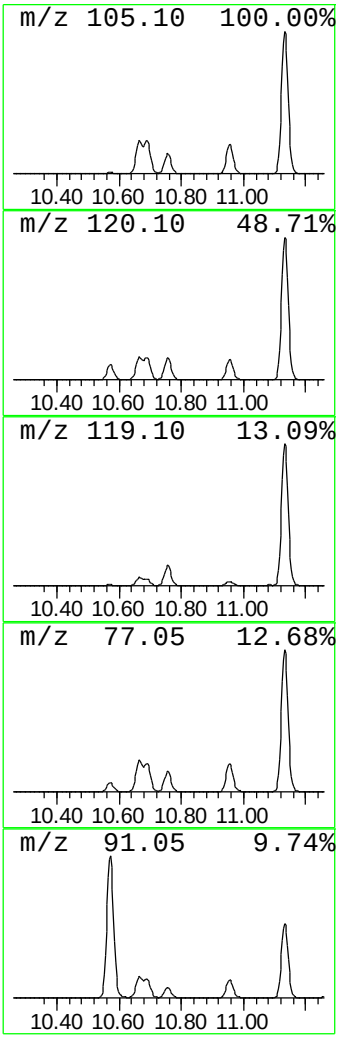
Peak Number 35 Benzene, 1,2,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	23.02 ug/L	483232	1,4-Dichlorobenzene-d4	11.47

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	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

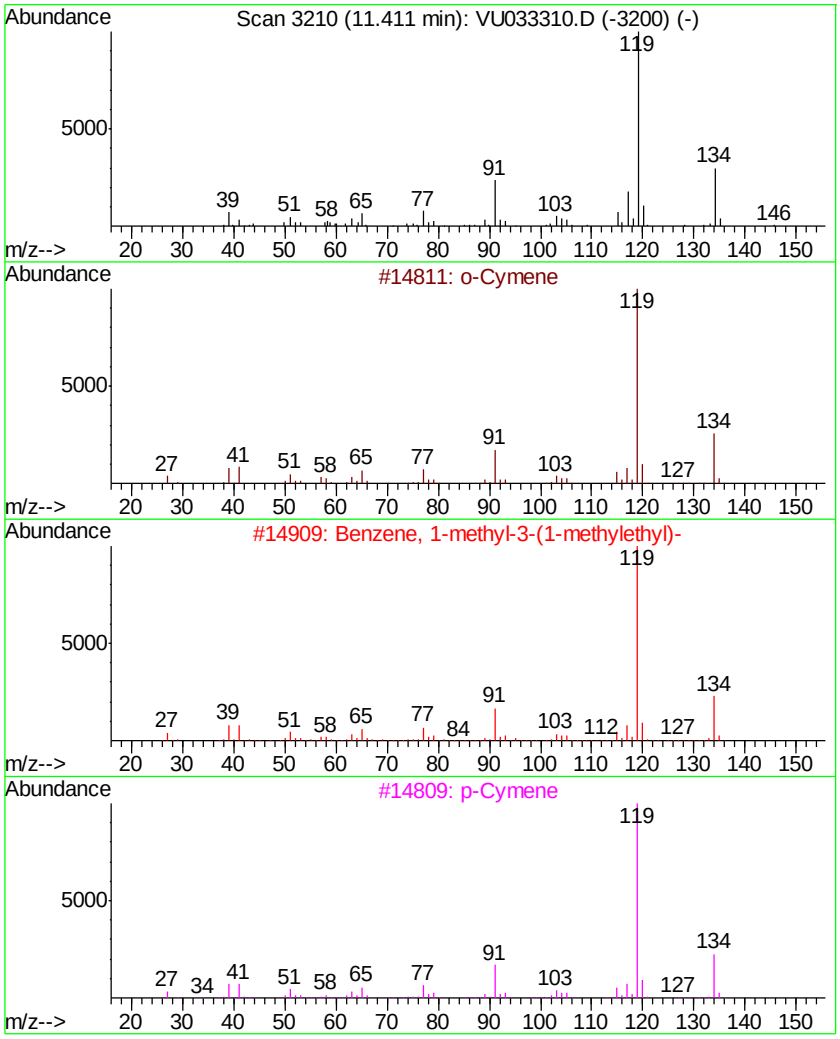
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

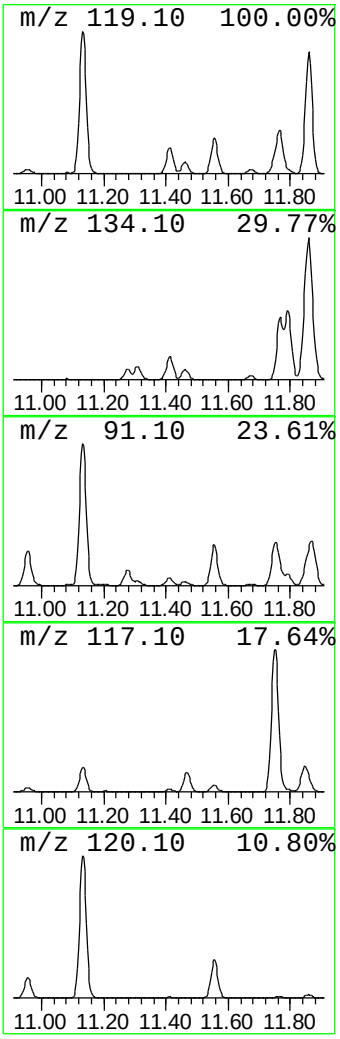
****

Peak Number 38 o-Cymene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	3.50 ug/L	73467	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	p-Cymene	134	C10H14	000099-87-6	93





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

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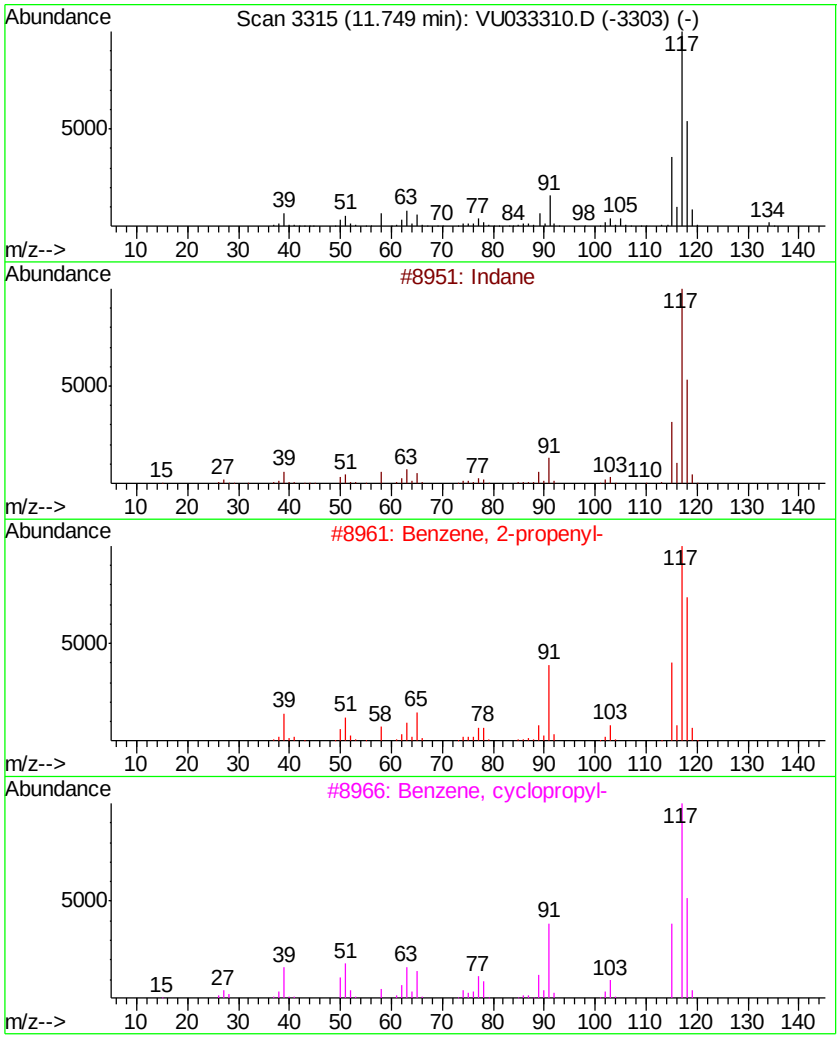
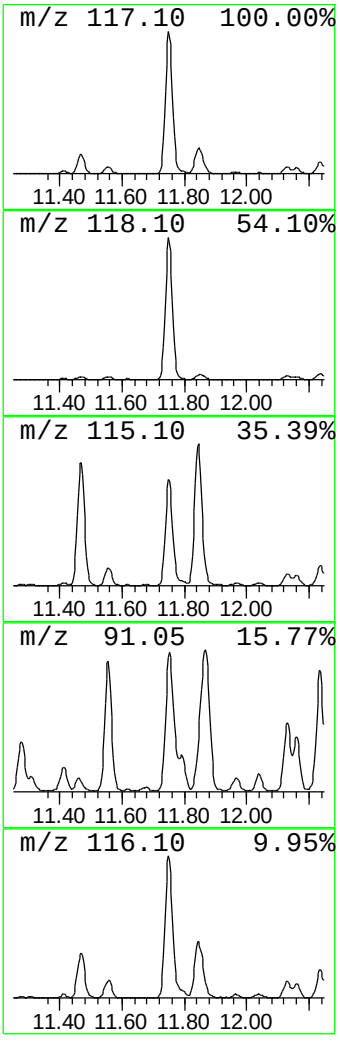
Peak Number 40 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	43.57 ug/L	914848	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Deltacyclene	118	C9H10	007785-10-6	64





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Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

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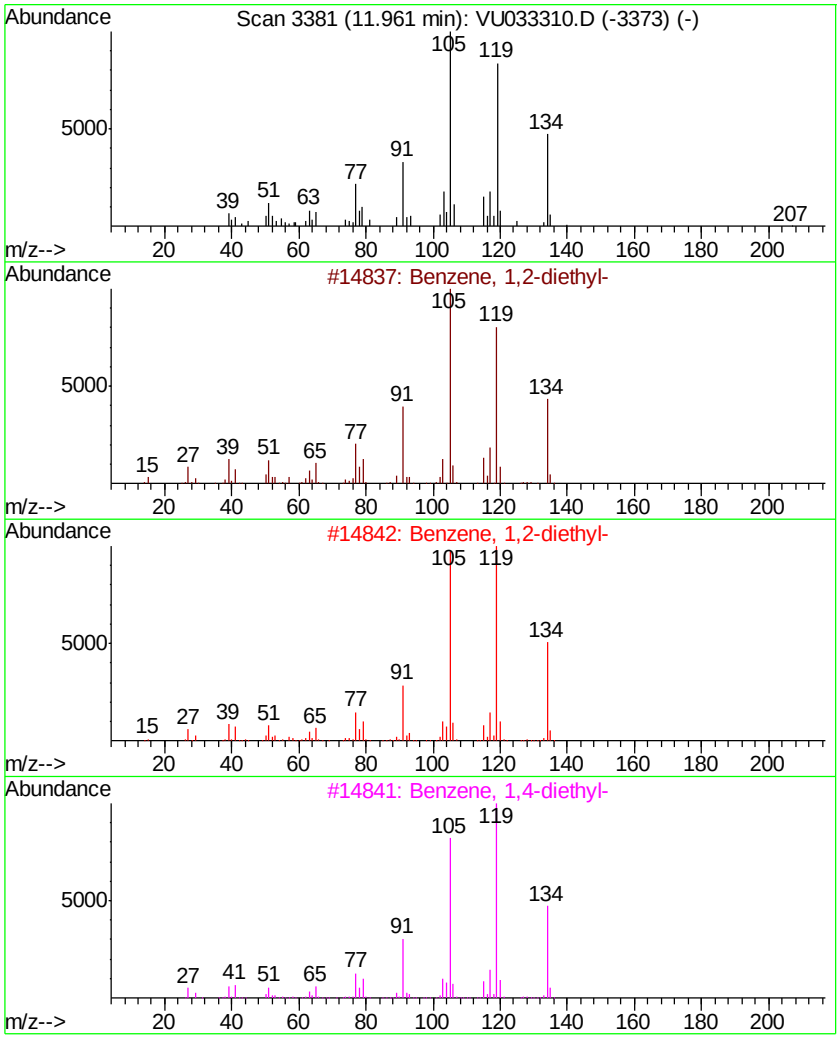
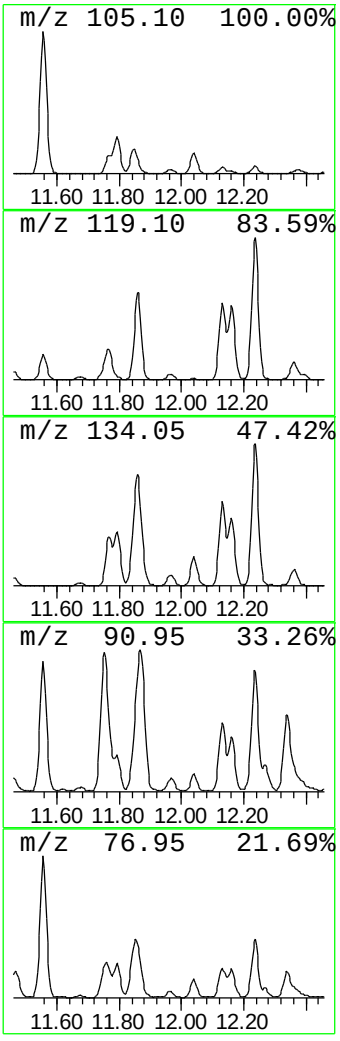
Peak Number 41 Benzene, 1,2-diethyl- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.64 ug/L	55417	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90





Library Search Compound Report

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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

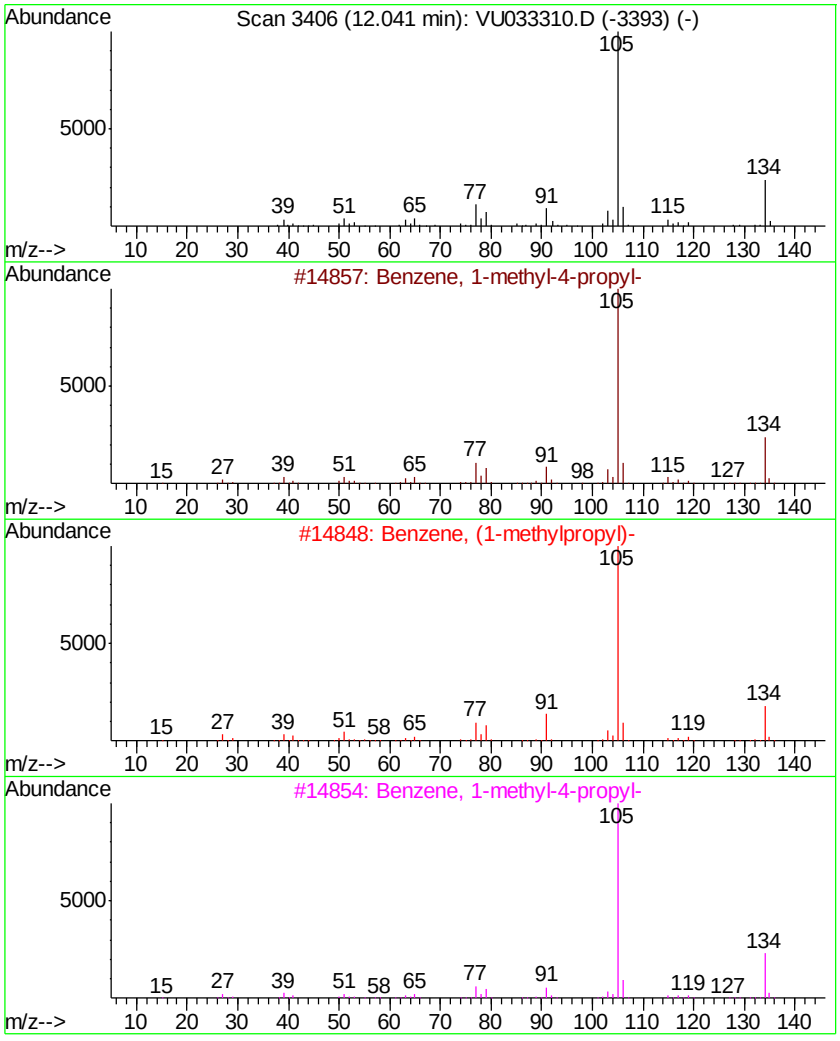
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

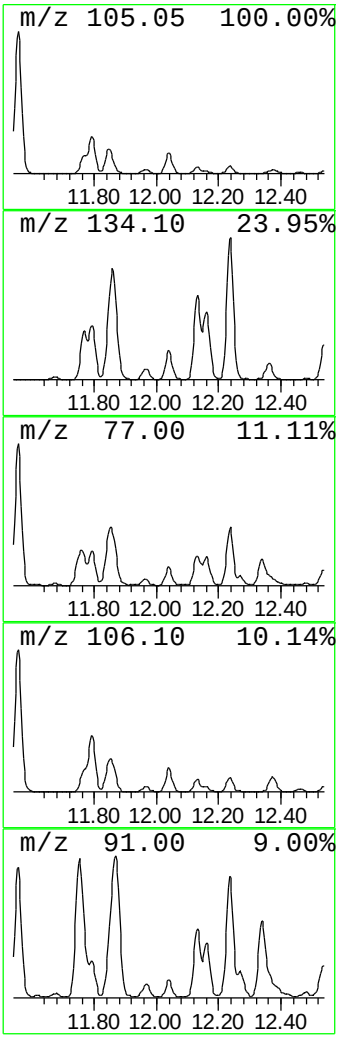
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 1-methyl-4-propyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	5.42 ug/L	113839	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91





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Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

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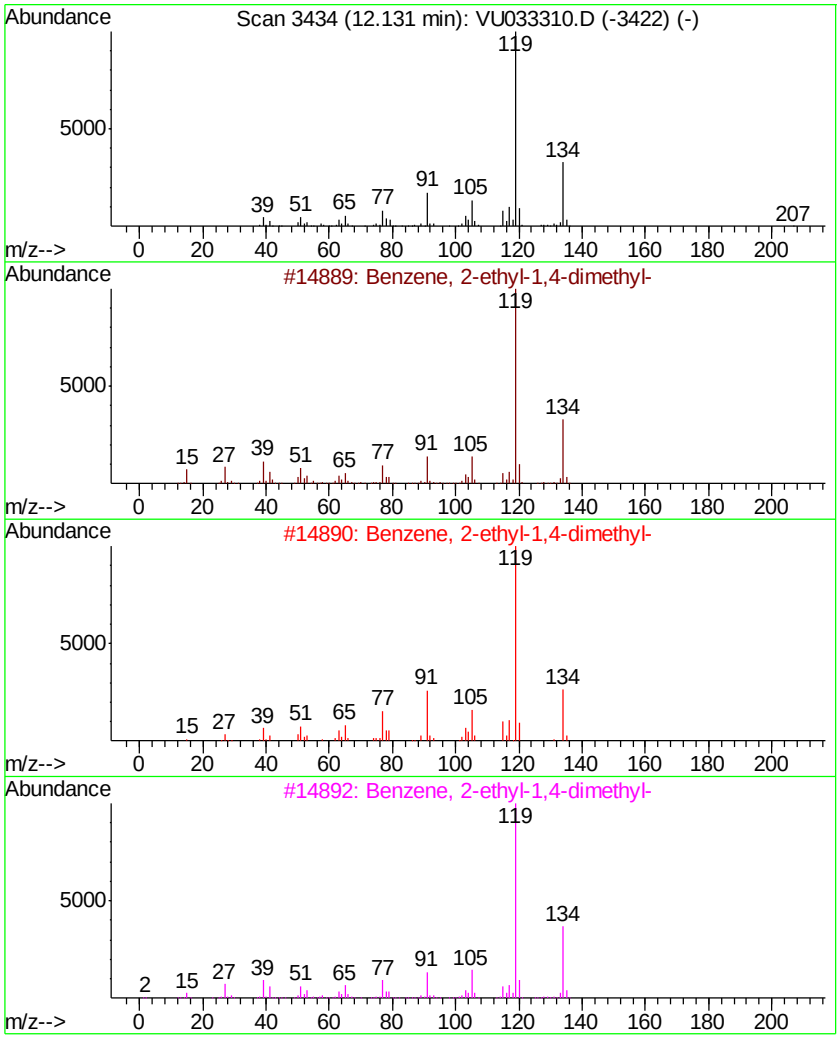
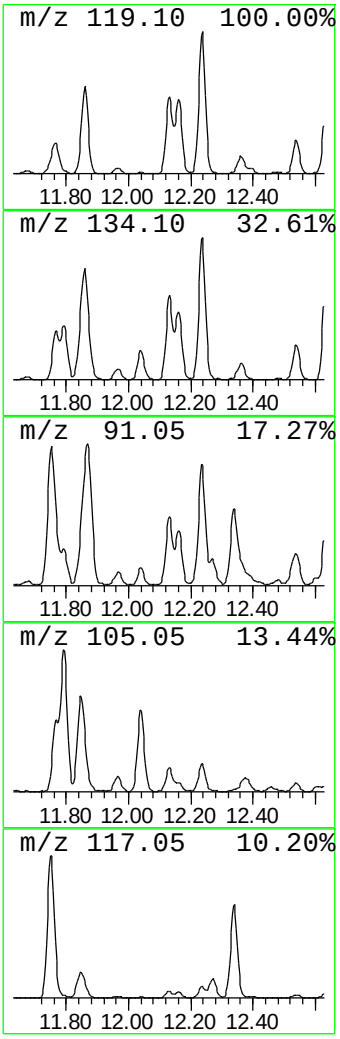
Peak Number 43 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	14.86 ug/L	312040	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

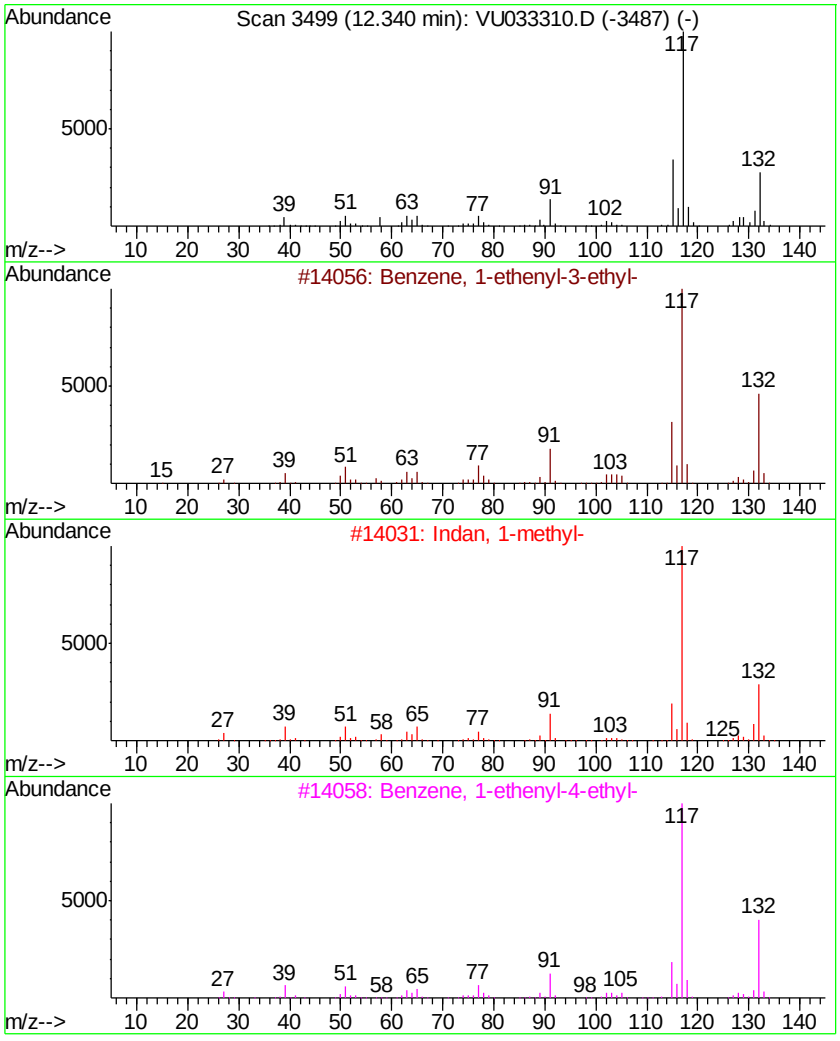
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

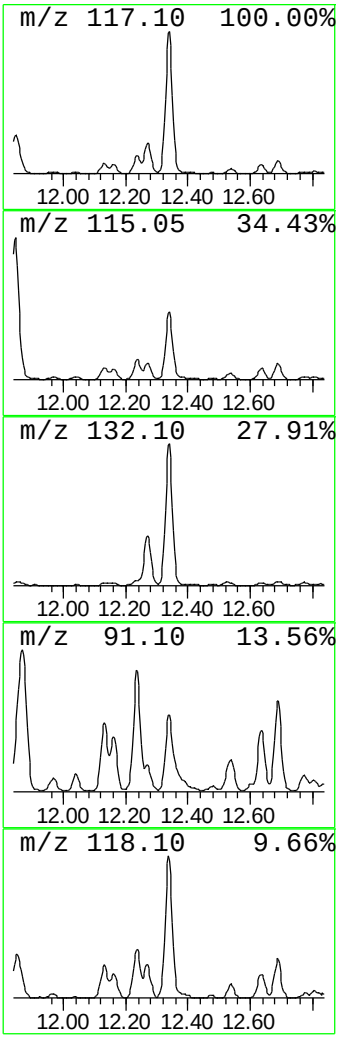
****

Peak Number 46 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	26.09 ug/L	547740	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

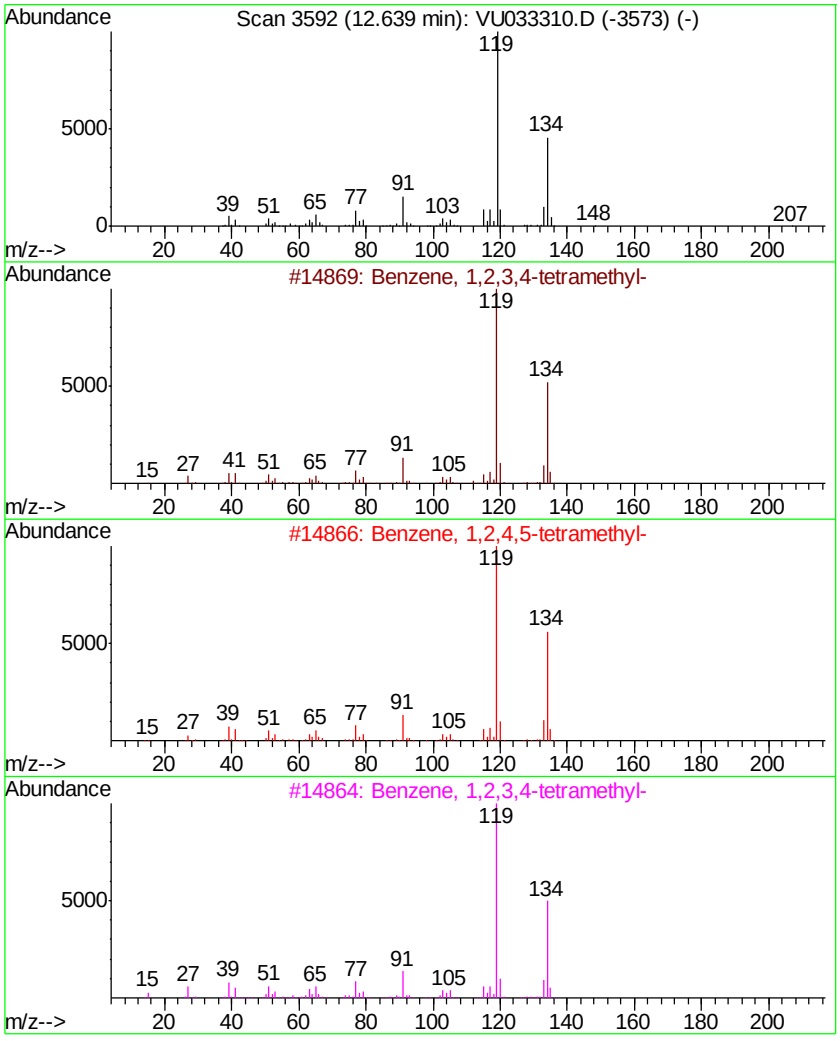
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

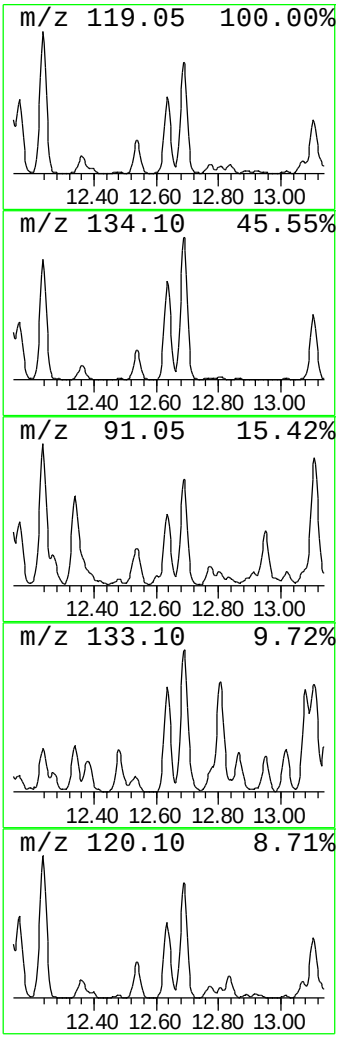
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	15.01 ug/L	315210	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

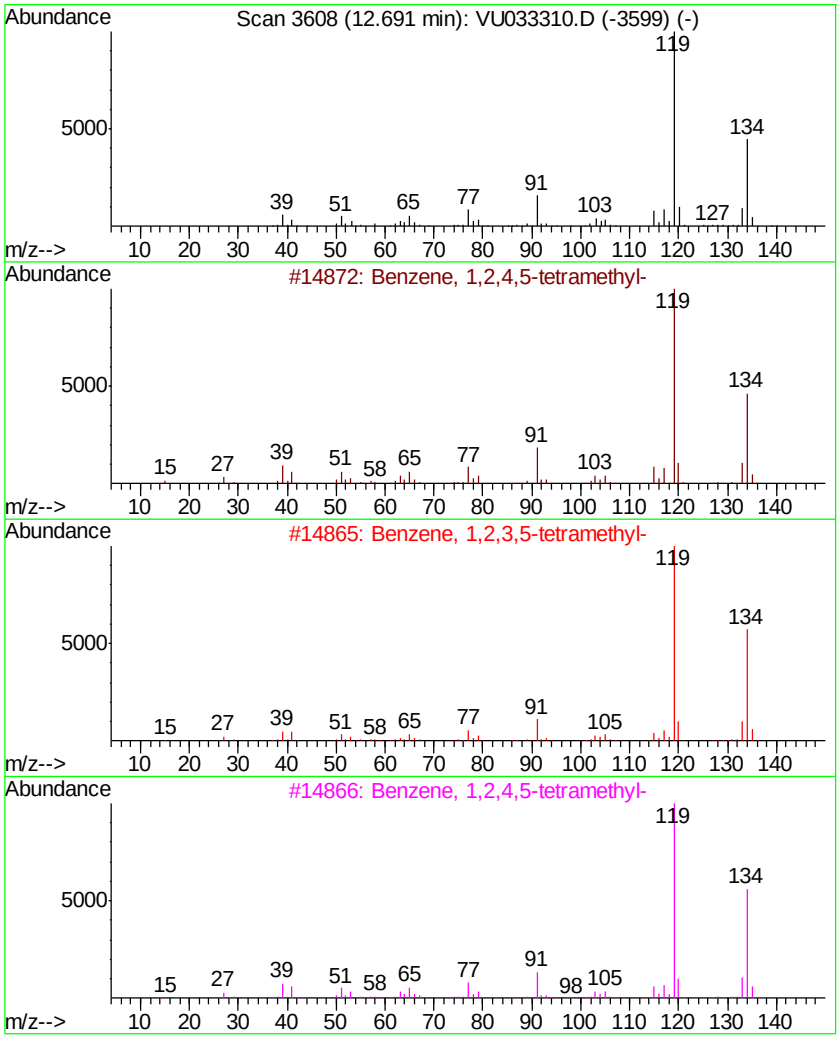
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

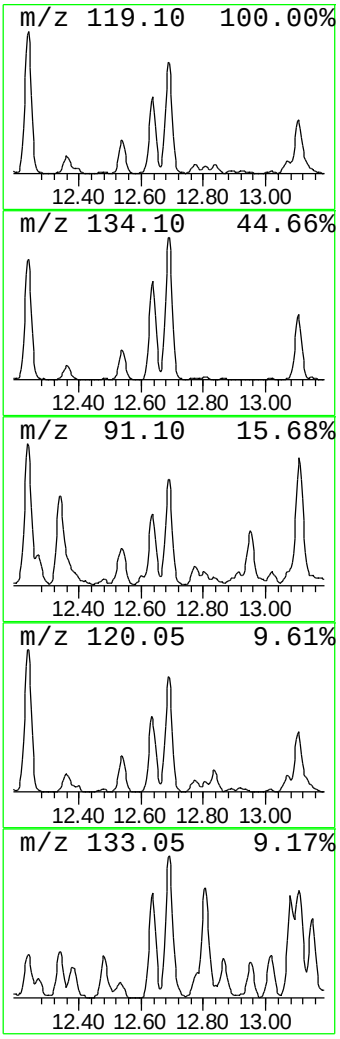
****

Peak Number 49 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	21.37 ug/L	448683	1,4-Dichlorobenzene-d4	11.47

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

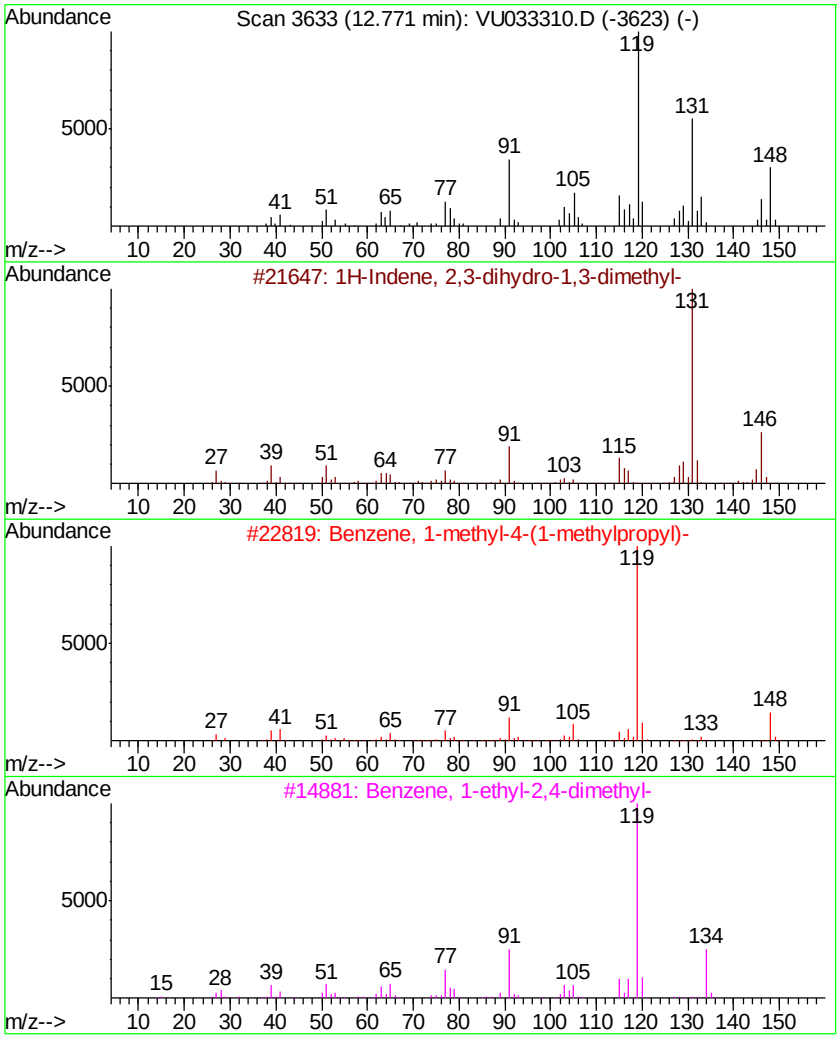
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

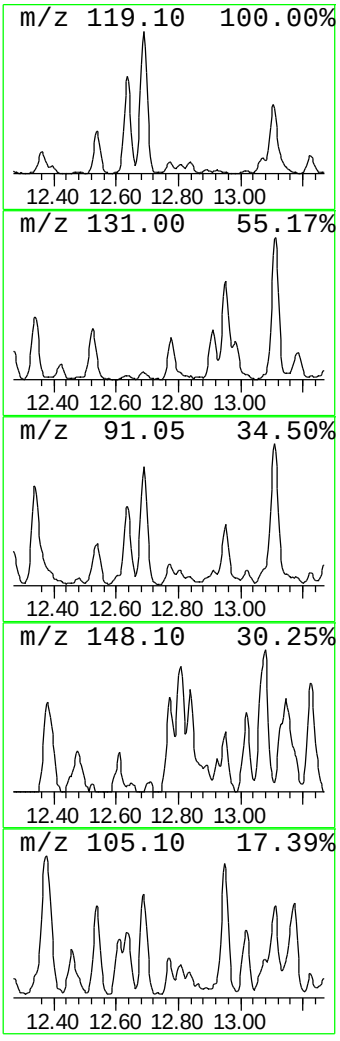
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	2.97 ug/L	62338	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	74
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	53
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
5	o-Cymene	134	C10H14	000527-84-4	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

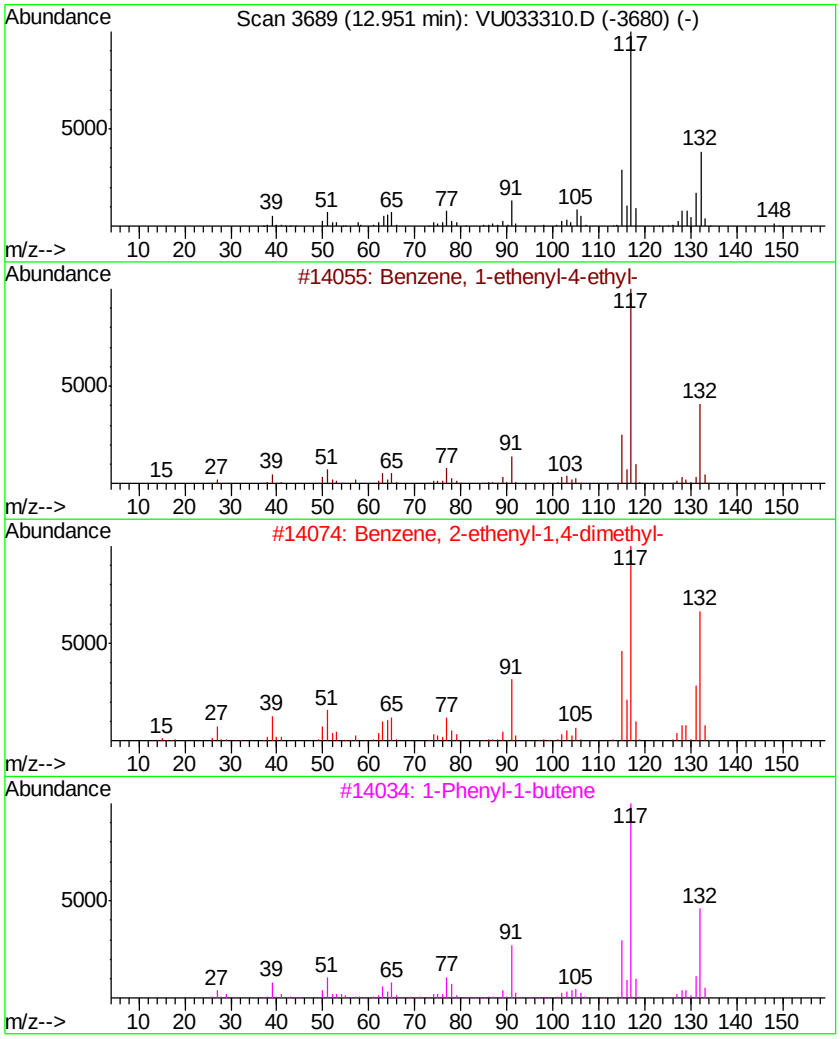
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

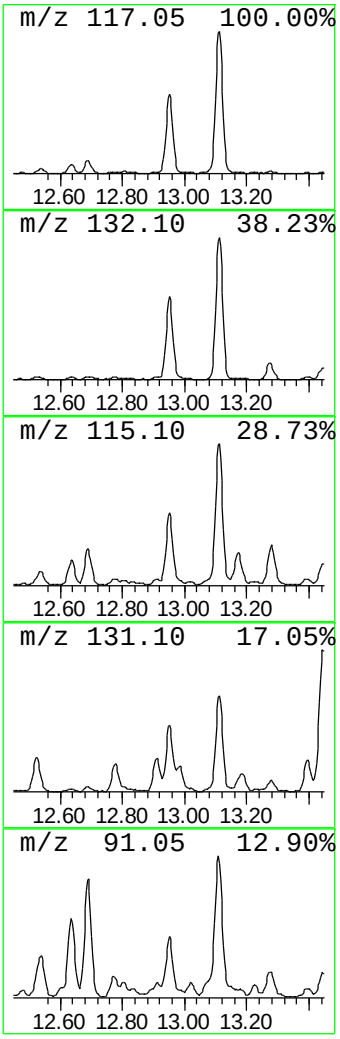
****

Peak Number 51 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	13.98 ug/L	293445	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

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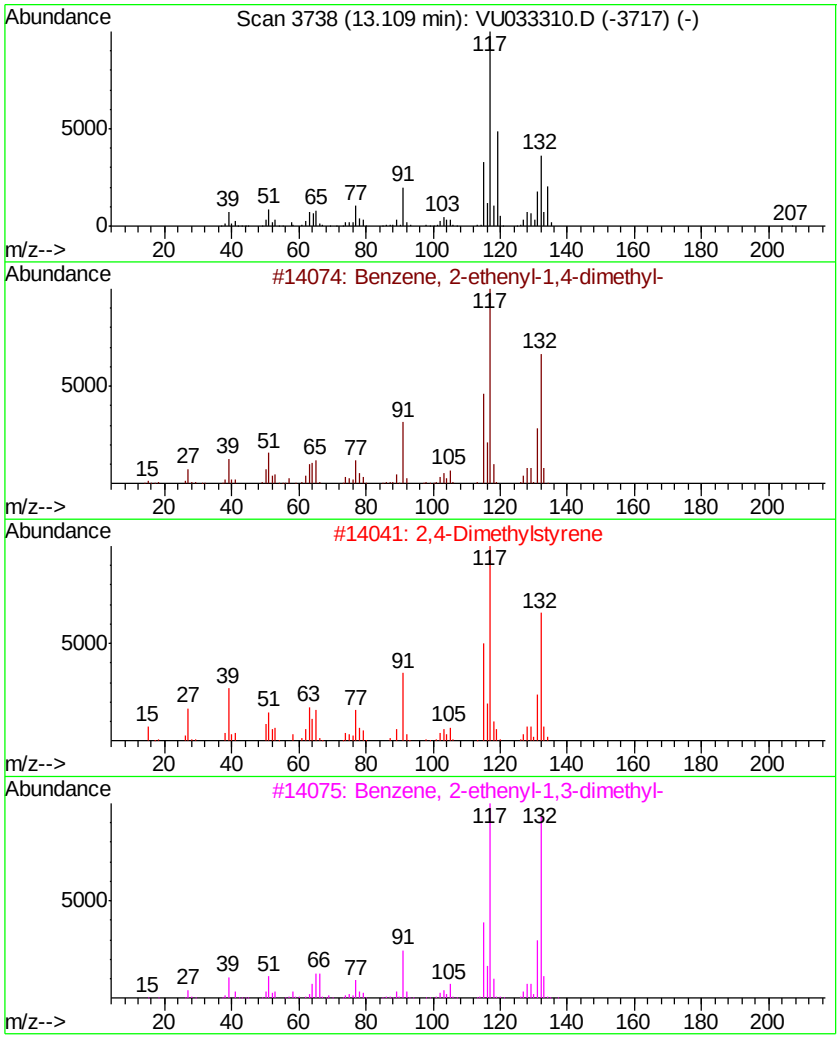
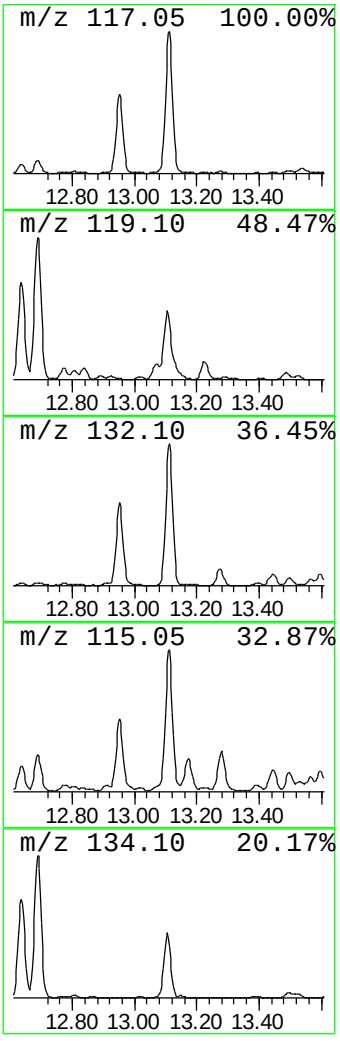
Peak Number 52 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	36.64 ug/L	769343	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	89
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	86
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

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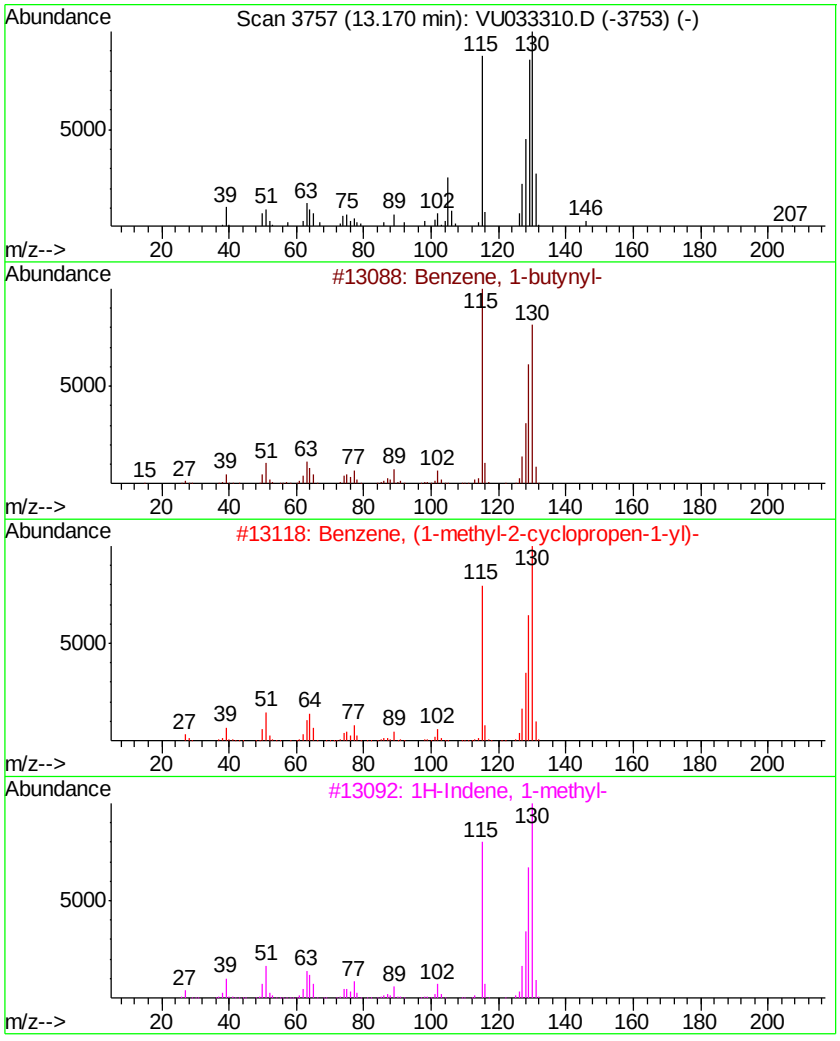
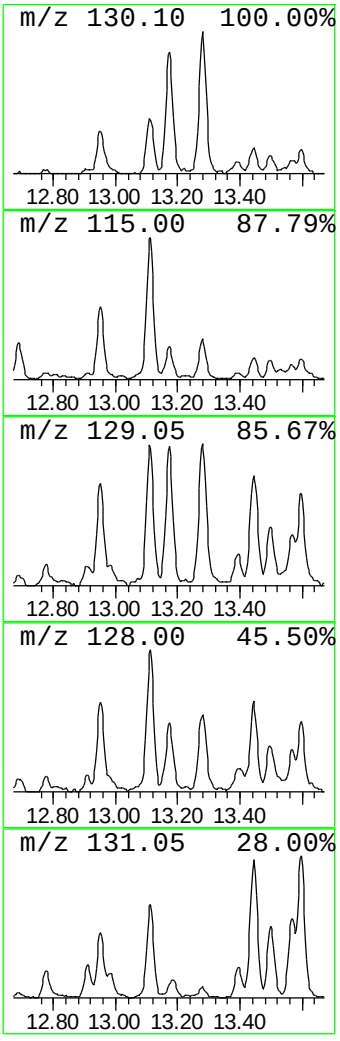
Peak Number 53 Benzene, 1-butynyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.36 ug/L	70623	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	81
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	81
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	76
4	2-Methylindene	130	C10H10	002177-47-1	76
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

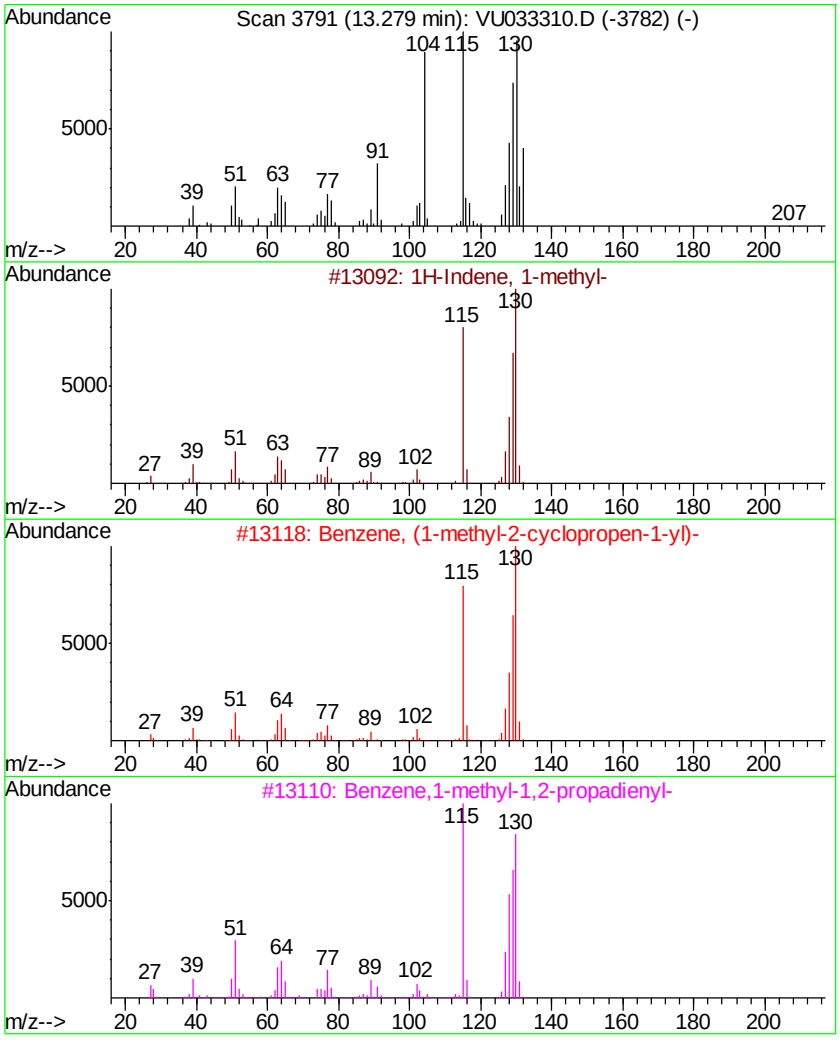
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

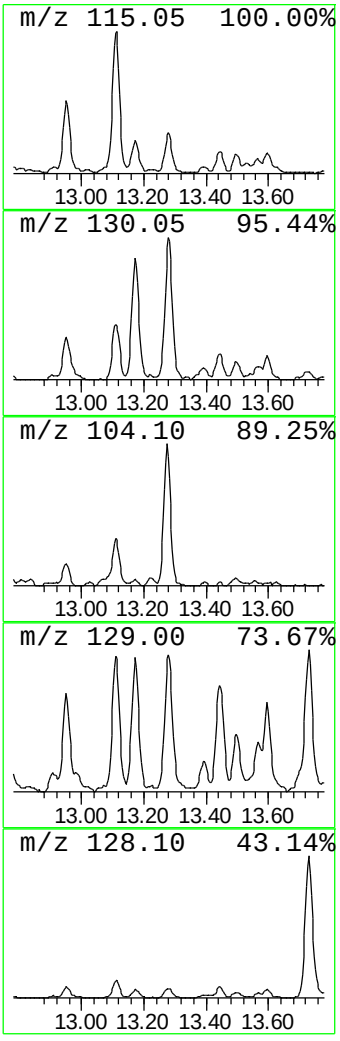
****

Peak Number 54 1H-Indene, 1-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	6.42 ug/L	134692	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	90
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	70
4	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	60
5	2-Methylindene	130	C10H10	002177-47-1	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

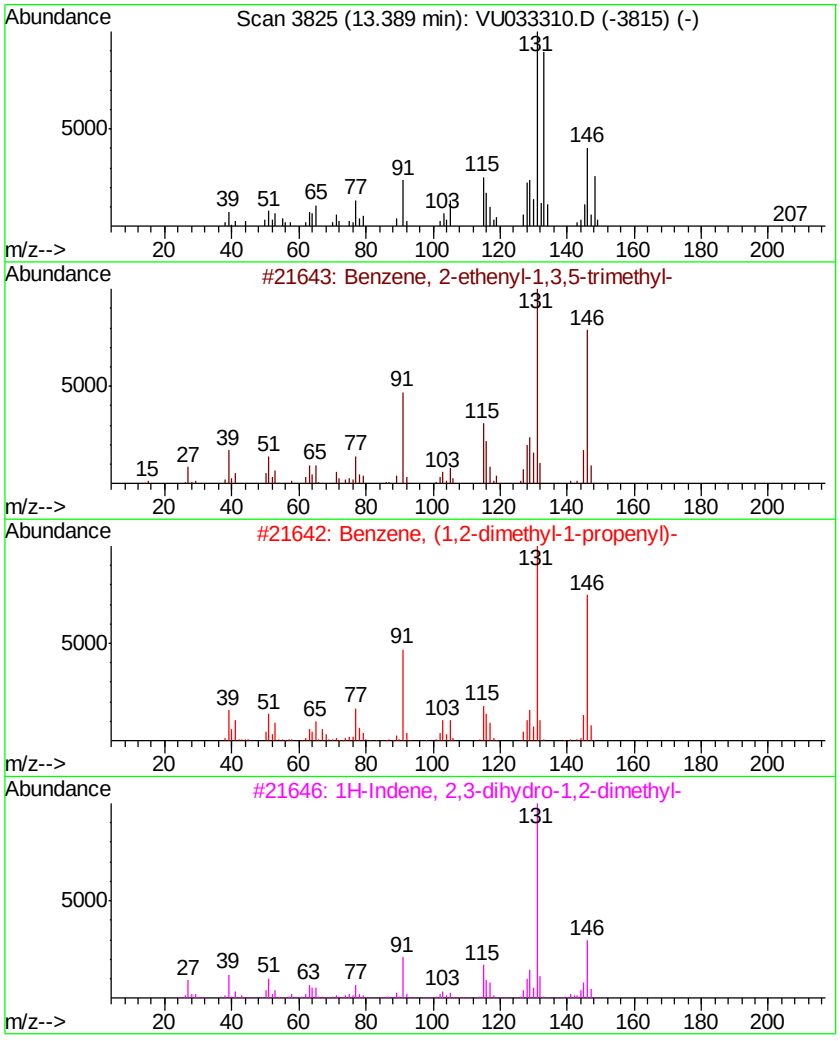
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

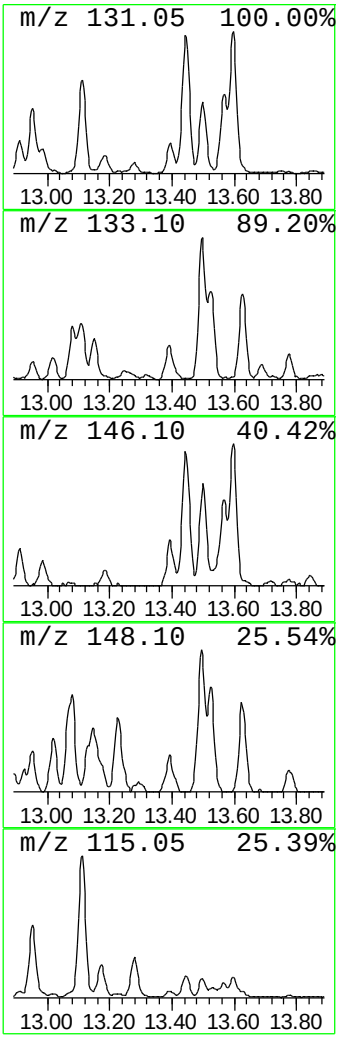
****

Peak Number 55 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	2.50 ug/L	52542	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	95
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	92
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

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

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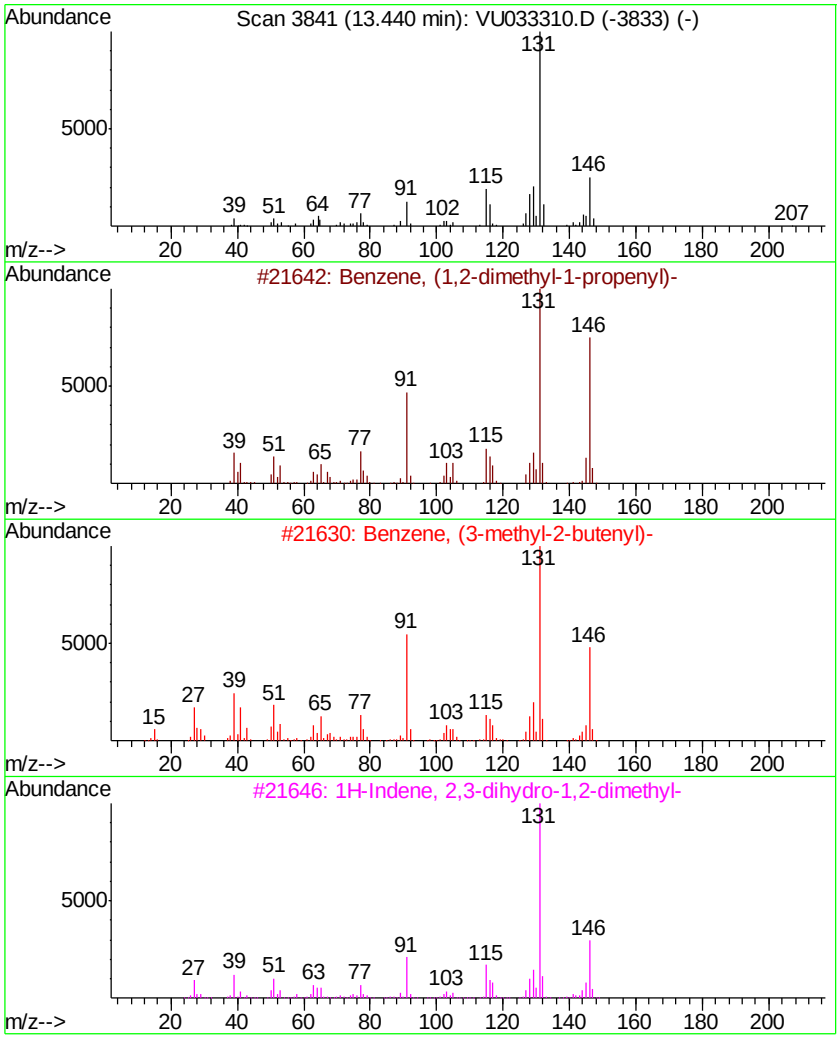
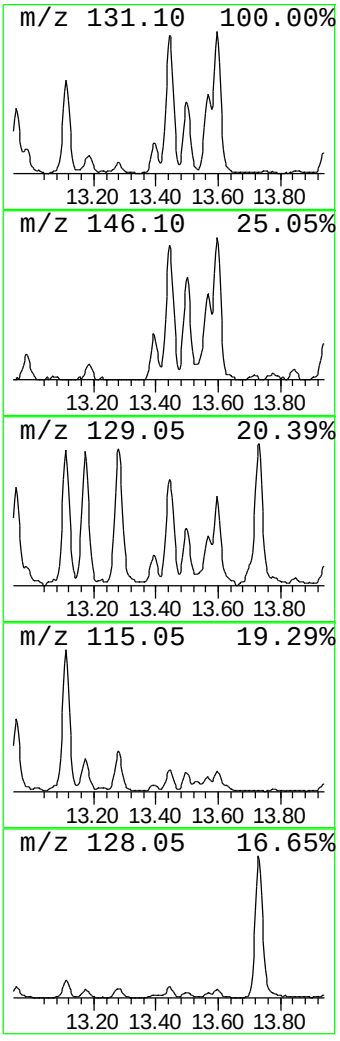
Peak Number 56 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	5.23 ug/L	109829	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

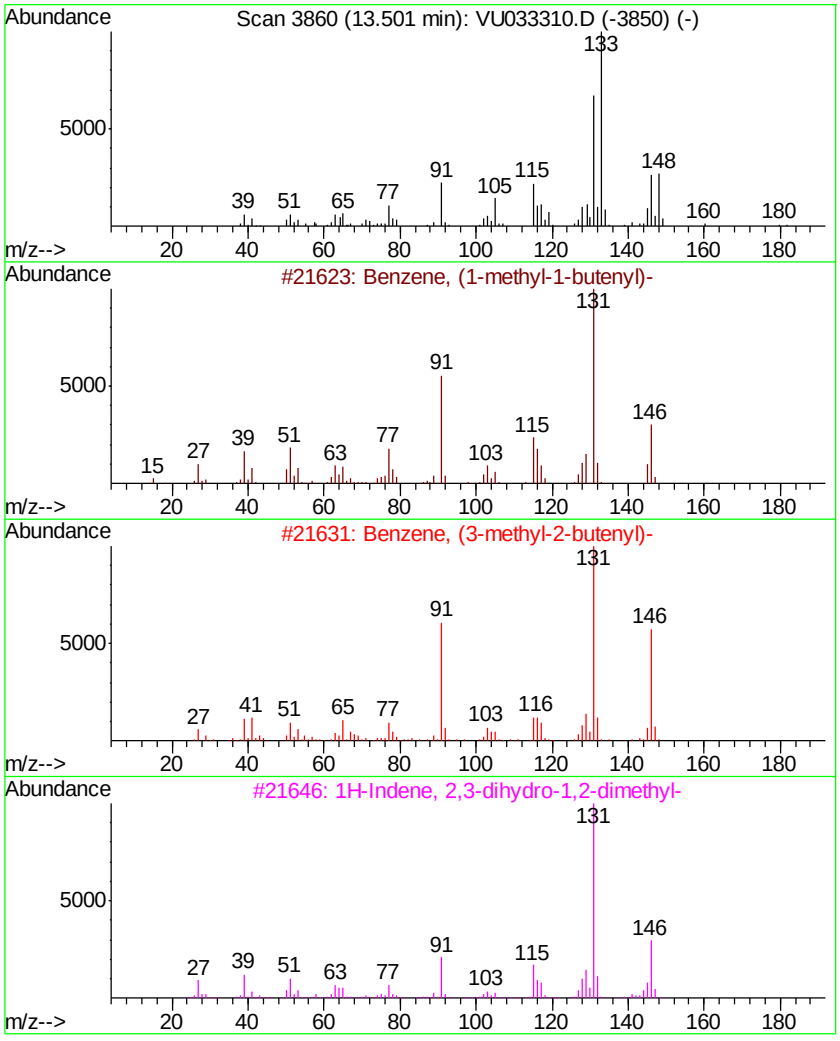
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis

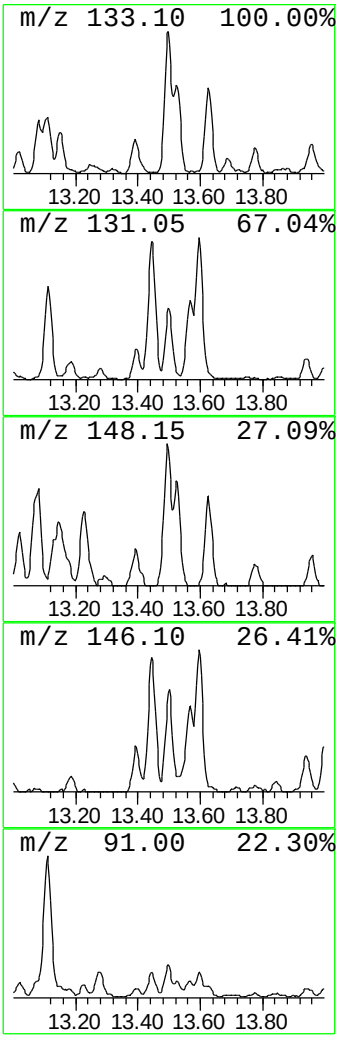
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Benzene, (1-methyl-1-butenyl)- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	6.65 ug/L	139575	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	84
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	80
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	62
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071819\
Data File : VU033310.D
Acq On : 18 Jul 2019 11:43
Operator : JC/SP
Sample : K3828-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAMR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.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...	1.75	55.8	ug/L	876938	1	5.86	786365	50.0
(DEL) Alkane: Str...	1.93	5.4	ug/L	85510	1	5.86	786365	50.0
(DEL) Alkane: Str...	2.98	13.6	ug/L	214502	1	5.86	786365	50.0
(DEL) Alkane: Str...	3.28	5.0	ug/L	78069	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	3.53	6.6	ug/L	104224	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	3.63	5.3	ug/L	83712	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	3.86	7.2	ug/L	113914	1	5.86	786365	50.0
(DEL) Alkane: Str...	3.97	5.8	ug/L	91483	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	4.07	33.6	ug/L	528166	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	4.70	3.1	ug/L	48778	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	4.88	2.7	ug/L	42961	1	5.86	786365	50.0
(DEL) Alkane: Str...	5.06	25.9	ug/L	407683	1	5.86	786365	50.0
(DEL) Alkane: Str...	5.20	11.0	ug/L	172391	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	5.46	5.6	ug/L	88438	1	5.86	786365	50.0
(DEL) Alkane: Str...	5.52	26.5	ug/L	417278	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	5.59	13.0	ug/L	204129	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	5.76	4.7	ug/L	73490	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	5.93	17.5	ug/L	274712	1	5.86	786365	50.0
(DEL) Alkane: Cyc...	6.10	2.6	ug/L	41259	1	5.86	786365	50.0
1,4-Hexadiene, 4-...	6.20	12.6	ug/L	198856	1	5.86	786365	50.0
n-Propyl acetate	6.68	123.5	ug/L	1942080	1	5.86	786365	50.0
Cyclohexene, 1-me...	6.81	4.2	ug/L	66385	1	5.86	786365	50.0
(DEL) Alkane: Str...	6.91	10.8	ug/L	169159	1	5.86	786365	50.0
Cyclobutane, (1-m...	7.04	16.9	ug/L	266138	1	5.86	786365	50.0
Propanoic acid, 1...	7.40	26.6	ug/L	419088	1	5.86	786365	50.0
2,4-Hexadiene, 2,...	8.08	3.6	ug/L	70954	2	9.07	971413	50.0
Propanoic acid, 2...	8.14	9.4	ug/L	182650	2	9.07	971413	50.0
Propanoic acid, p...	8.40	65.9	ug/L	1280140	2	9.07	971413	50.0
Acetic acid, buty...	8.51	5.1	ug/L	98644	2	9.07	971413	50.0
Butanoic acid, 1-...	8.89	46.3	ug/L	900400	2	9.07	971413	50.0
Propanoic acid, 2...	9.75	3.0	ug/L	59342	2	9.07	971413	50.0
Benzene, propyl-	10.57	22.8	ug/L	478627	3	11.47	1049790	50.0
Benzene, 1-ethyl-...	10.67	33.4	ug/L	702033	3	11.47	1049790	50.0
Benzene, 1,2,3-tr...	10.76	23.0	ug/L	483232	3	11.47	1049790	50.0
o-Cymene	11.41	3.5	ug/L	73467	3	11.47	1049790	50.0
Indane	11.75	43.6	ug/L	914848	3	11.47	1049790	50.0
Benzene, 1,2-diet...	11.96	2.6	ug/L	55417	3	11.47	1049790	50.0
Benzene, 1-methyl...	12.04	5.4	ug/L	113839	3	11.47	1049790	50.0
Benzene, 2-ethyl-...	12.13	14.9	ug/L	312040	3	11.47	1049790	50.0
Benzene, 1-etheny...	12.34	26.1	ug/L	547740	3	11.47	1049790	50.0
Benzene, 1,2,3,4-...	12.64	15.0	ug/L	315210	3	11.47	1049790	50.0
Benzene, 1,2,4,5-...	12.69	21.4	ug/L	448683	3	11.47	1049790	50.0
1H-Indene, 2,3-di...	12.77	3.0	ug/L	62338	3	11.47	1049790	50.0
Benzene, 1-etheny...	12.95	14.0	ug/L	293445	3	11.47	1049790	50.0
Benzene, 2-etheny...	13.11	36.6	ug/L	769343	3	11.47	1049790	50.0
Benzene, 1-butynyl-	13.17	3.4	ug/L	70623	3	11.47	1049790	50.0
1H-Indene, 1-methyl-	13.28	6.4	ug/L	134692	3	11.47	1049790	50.0
Benzene, 2-etheny...	13.39	2.5	ug/L	52542	3	11.47	1049790	50.0
Benzene, (1,2-dim...	13.44	5.2	ug/L	109829	3	11.47	1049790	50.0

Benzene, (1-methy...	13.50	6.7	ug/L	139575	3	11.47	1049790	50.0

Instrument :
MSVOA_U
ClientSampleId :
GAMR0