LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

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\SOMULM080819WMA.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	1.392	84	94	104	rBV	191629	206266	15.56%	0.834%
2	1.563	131	147	156	rBV5	44365	94629	7.14%	0.383%
3	1.662	170	178	198	rVB	149666	202490	15.28%	0.819%
4	2.257	351	363	376	rBV	289718	434879	32.81%	1.759%
5	4.148	939	951	983	rBV	116778	333111	25.14%	1.347%
6	4.624	1080	1099	1122	rBV2	194603	502478	37.92%	2.032%
7	4.964	1191	1205	1218	rBV4	19718	46247	3.49%	0.187%
8	5.058	1218	1234	1253	rVB4	12743	37034	2.79%	0.150%
9	5.196	1262	1277	1291	rBV2	28820	68109	5.14%	0.275%
10	5.315	1291	1314	1338	rBV2	428459	1256482	94.81%	5.082%
11	5.460	1347	1359	1367	rBV6	15560	34635	2.61%	0.140%
12	5.524	1368	1379	1390	rVB6	23060	55452	4.18%	0.224%
13	5.595	1391	1401	1416	rVB4	20540	48485	3.66%	0.196%
14	5.865	1471	1485	1498	rBV	389280	765007	57.73%	3.094%
15	6.193	1568	1587	1609	rVB5	34661	84738	6.39%	0.343%
16	6.308	1609	1623	1636	rBV	285563	569198	42.95%	2.302%
17	6.376	1637	1644	1660	rVV6	32310	85637	6.46%	0.346%
18	6.456	1660	1669	1679	rVV4	19677	38299	2.89%	0.155%
19	6.514	1679	1687	1699	rVB2	20974	36217	2.73%	0.146%
20	6.717	1738	1750	1762	rVB5	23275	50439	3.81%	0.204%
21	6.813	1763	1780	1791	rBV4	15583	42183	3.18%	0.171%
22	6.903	1793	1808	1826	rVB5	37104	106668	8.05%	0.431%
23	7.045	1826	1852	1860	rBV5	60816	181219	13.67%	0.733%
24	7.164	1881	1889	1893	rBV4	36027	55452	4.18%	0.224%
25	7.205	1894	1902	1919	rVB	198652	369311	27.87%	1.494%
26	7.321	1930	1938	1952	rBV3	59947	100579	7.59%	0.407%
27	7.546	1983	2008	2024	rBV	644224	1325255	100.00%	5.360%
28	7.681	2041	2050	2057	rBV4	33326	59979	4.53%	0.243%
29	7.726	2058	2064	2070	rVB4	14556	21562	1.63%	0.087%
30	7.829	2086	2096	2109	rBV2	138854	239637	18.08%	0.969%
31	7.897	2111	2117	2124	rBV4	23556	35006	2.64%	0.142%
32	8.029	2149	2158	2165	rVV	54573	99663	7.52%	0.403%
33	8.077	2165	2173	2200	rVB3	70133	146832	11.08%	0.594%
34	8.292	2226	2240	2258	rBV	422056	799572	60.33%	3.234%

LSC Area Percent Report

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Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

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\SOMULM080819WMA.M
Title : VOC Analysis

35	8.437	2271	2285	2290	rBV	45890	94245	7.11%	0.381%
36	8.527	2306	2313	2319	rBV2	28038	41596	3.14%	0.168%
37	8.588	2327	2332	2339	rBV2	19626	23221	1.75%	0.094%
38	8.739	2363	2379	2389	rBV7	45469	100937	7.62%	0.408%
39	8.800	2390	2398	2401	rBV2	21168	29525	2.23%	0.119%
40	8.894	2419	2427	2445	rVB2	102472	188221	14.20%	0.761%
41	9.016	2454	2465	2473	rBV	99759	166329	12.55%	0.673%
42	9.070	2473	2482	2495	rVV	611842	979006	73.87%	3.959%
43	9.430	2588	2594	2619	rVB9	24445	79840	6.02%	0.323%
44	9.553	2625	2632	2645	rVB7	15102	24514	1.85%	0.099%
45	9.697	2669	2677	2687	rBV2	50347	80665	6.09%	0.326%
46	9.800	2699	2709	2716	rBV4	30420	58286	4.40%	0.236%
47	9.935	2733	2751	2759	rBV4	77561	167731	12.66%	0.678%
48	10.029	2773	2780	2788	rVV5	41804	65999	4.98%	0.267%
49	10.074	2789	2794	2807	rVB4	34179	56621	4.27%	0.229%
50	10.148	2809	2817	2826	rBV4	28486	48636	3.67%	0.197%
51	10.238	2839	2845	2853	rBV3	21081	30370	2.29%	0.123%
52	10.305	2855	2866	2871	rVV4	36670	64273	4.85%	0.260%
53	10.337	2871	2876	2889	rVB3	50390	84104	6.35%	0.340%
54	10.414	2889	2900	2914	rBV	445142	764731	57.70%	3.093%
55	10.572	2940	2949	2957	rBV	71905	111999	8.45%	0.453%
56	10.736	2992	3000	3009	rBV3	37279	62182	4.69%	0.251%
57	10.797	3012	3019	3033	rVB7	21393	44062	3.32%	0.178%
58	10.958	3062	3069	3074	rBV5	17702	30733	2.32%	0.124%
59	11.099	3105	3113	3121	rBV2	65832	93784	7.08%	0.379%
60	11.257	3154	3162	3172	rBV5	25584	56868	4.29%	0.230%
61	11.318	3175	3181	3190	rVB6	33080	54589	4.12%	0.221%
62	11.379	3192	3200	3208	rBV5	46418	76502	5.77%	0.309%
63	11.466	3218	3227	3237	rBV	666476	1018063	76.82%	4.117%
64	11.514	3238	3242	3248	rVV3	37456	45758	3.45%	0.185%
65	11.556	3248	3255	3263	rVB	91328	122808	9.27%	0.497%
66	11.684	3289	3295	3306	rVB2	44125	64392	4.86%	0.260%
67	11.755	3307	3317	3333	rBV4	111195	228761	17.26%	0.925%
68	11.842	3334	3344	3365	rVB	715174	1216314	91.78%	4.919%
69	12.041	3400	3406	3428	rVB3	73310	172791	13.04%	0.699%
70	12.167	3437	3445	3451	rBV7	33128	51643	3.90%	0.209%
71	12.234	3453	3466	3474	rBV	177699	325189	24.54%	1.315%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

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\SOMULM080819WMA.M
Title : VOC Analysis

72	12.340	3490	3499	3519	rBV4	165727	341183	25.74%	1.380%
73	12.495	3542	3547	3554	rVB3	41952	51711	3.90%	0.209%
74	12.598	3570	3579	3583	rBV2	114214	172832	13.04%	0.699%
75	12.633	3584	3590	3600	rVB2	198426	321254	24.24%	1.299%
76	12.704	3601	3612	3625	rVB6	61059	155222	11.71%	0.628%
77	12.771	3626	3633	3640	rBV3	66234	105646	7.97%	0.427%
78	12.868	3657	3663	3669	rBV4	29201	46919	3.54%	0.190%
79	12.951	3682	3689	3704	rVB	132718	219008	16.53%	0.886%
80	13.028	3705	3713	3722	rBV6	44644	74823	5.65%	0.303%
81	13.109	3724	3738	3763	rBV5	397687	912487	68.85%	3.690%
82	13.266	3780	3787	3795	rBV	249452	391420	29.54%	1.583%
83	13.395	3821	3827	3834	rVB3	67659	87791	6.62%	0.355%
84	13.443	3835	3842	3850	rVB	113317	159729	12.05%	0.646%
85	13.495	3850	3858	3867	rBV3	163964	258179	19.48%	1.044%
86	13.778	3938	3946	3958	rBV10	98384	214292	16.17%	0.867%
87	13.871	3968	3975	3988	rVB	292776	419976	31.69%	1.699%
88	13.942	3990	3997	4010	rVB	110082	198200	14.96%	0.802%
89	14.324	4107	4116	4127	rVB6	266988	488735	36.88%	1.977%
90	14.864	4274	4284	4301	rBV2	490488	1193451	90.05%	4.827%
91	15.048	4333	4341	4351	rVB	369067	560745	42.31%	2.268%
92	15.176	4376	4381	4391	rVB4	86865	121994	9.21%	0.493%
93	15.652	4522	4529	4538	rVB2	273617	371712	28.05%	1.503%
94	15.787	4565	4571	4579	rBV	113643	182243	13.75%	0.737%
95	15.903	4597	4607	4628	rVB	403166	752338	56.77%	3.043%
96	16.048	4644	4652	4659	rBV	457777	710127	53.58%	2.872%
97	16.086	4660	4664	4683	rVB2	290243	488131	36.83%	1.974%
98	16.247	4708	4714	4717	rBV7	55833	74164	5.60%	0.300%
99	16.758	4868	4873	4886	rVB	70691	114786	8.66%	0.464%
100	17.215	5010	5015	5028	rVB4	49473	79116	5.97%	0.320%

Sum of corrected areas: 24726252

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
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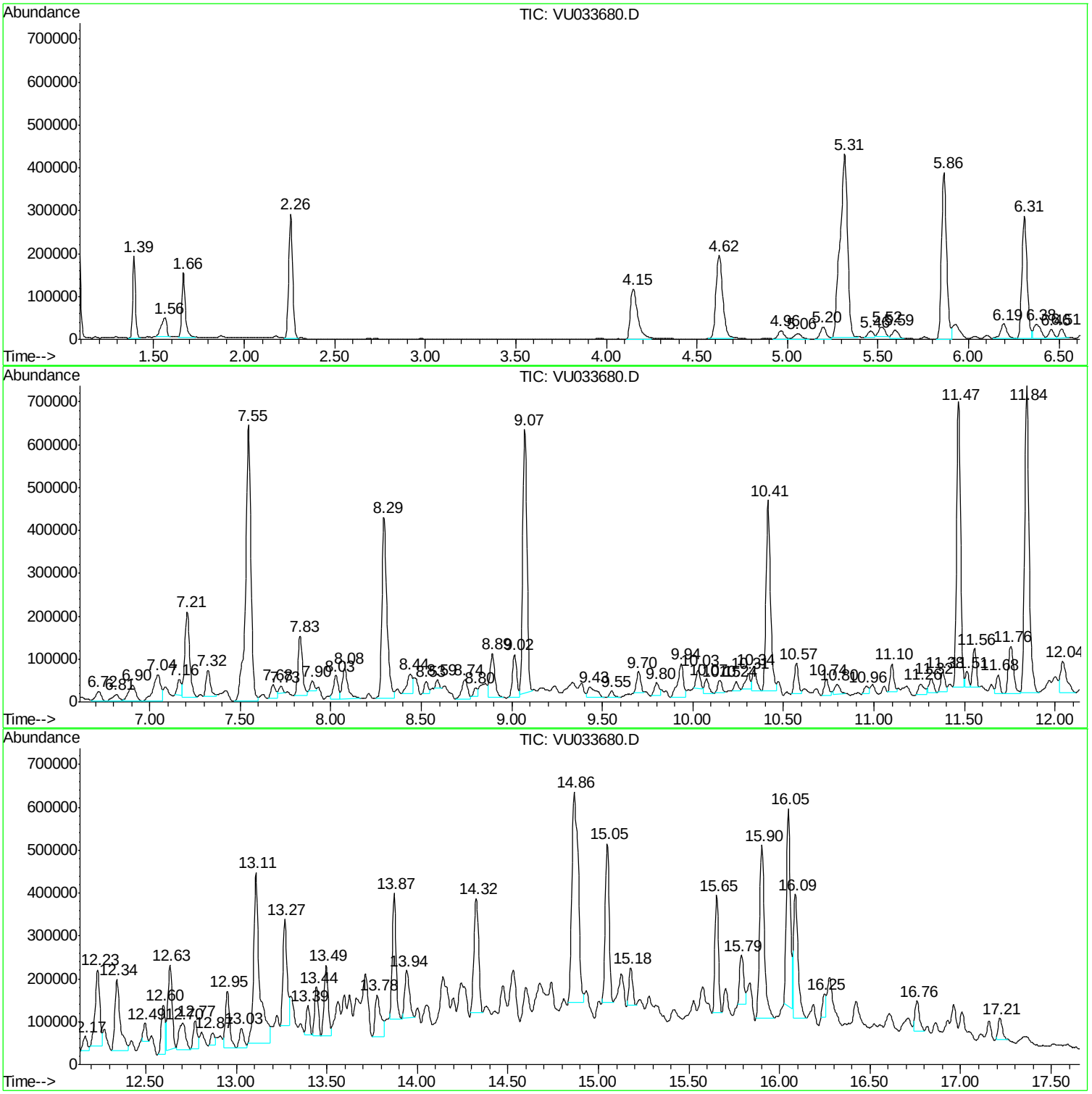
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.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\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

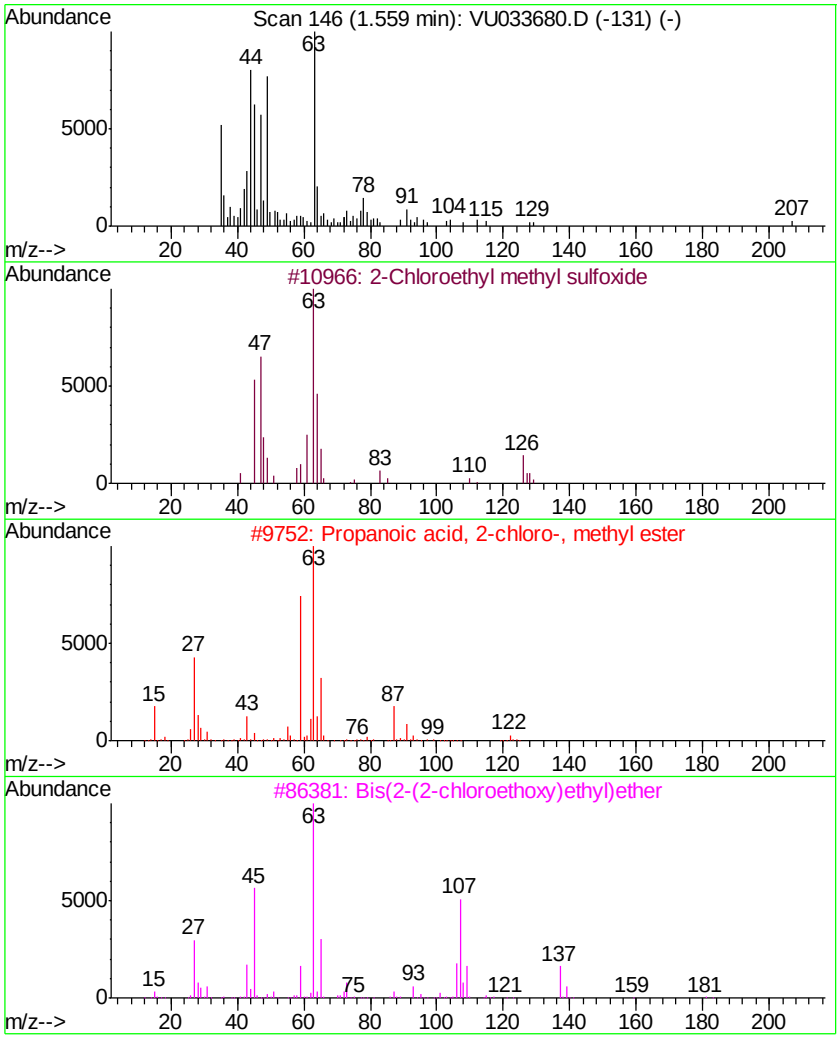
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

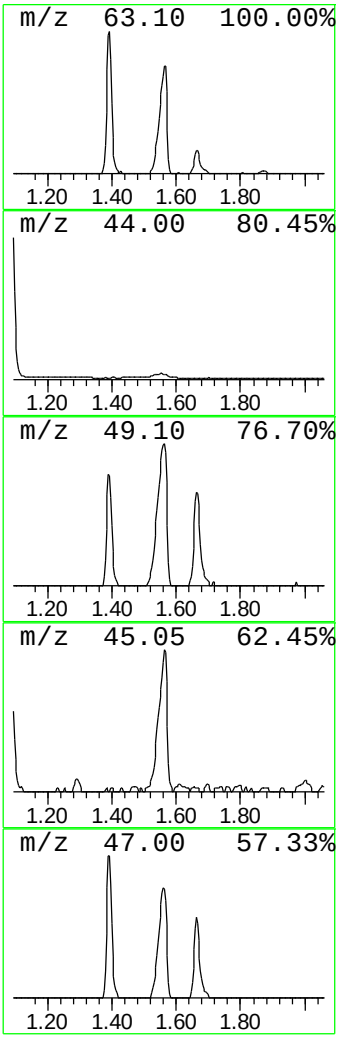
****

Peak Number 1 unknown-01 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.56	6.18 ug/L	94629	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloroethyl methyl sulfoxide	126	C3H7ClOS	005331-57-7	30
2	Propanoic acid, 2-chloro-, methy...	122	C4H7ClO2	017639-93-9	9
3	Bis(2-(2-chloroethoxy)ethyl)ether	230	C8H16Cl2O3	000638-56-2	9
4	3,3,5-Trichloro-2,4-dithiahexane...	288	C4H7Cl3O4S2	068483-82-9	9
5	Chloromethyl thiocyanate	107	C2H2ClNS	003268-79-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

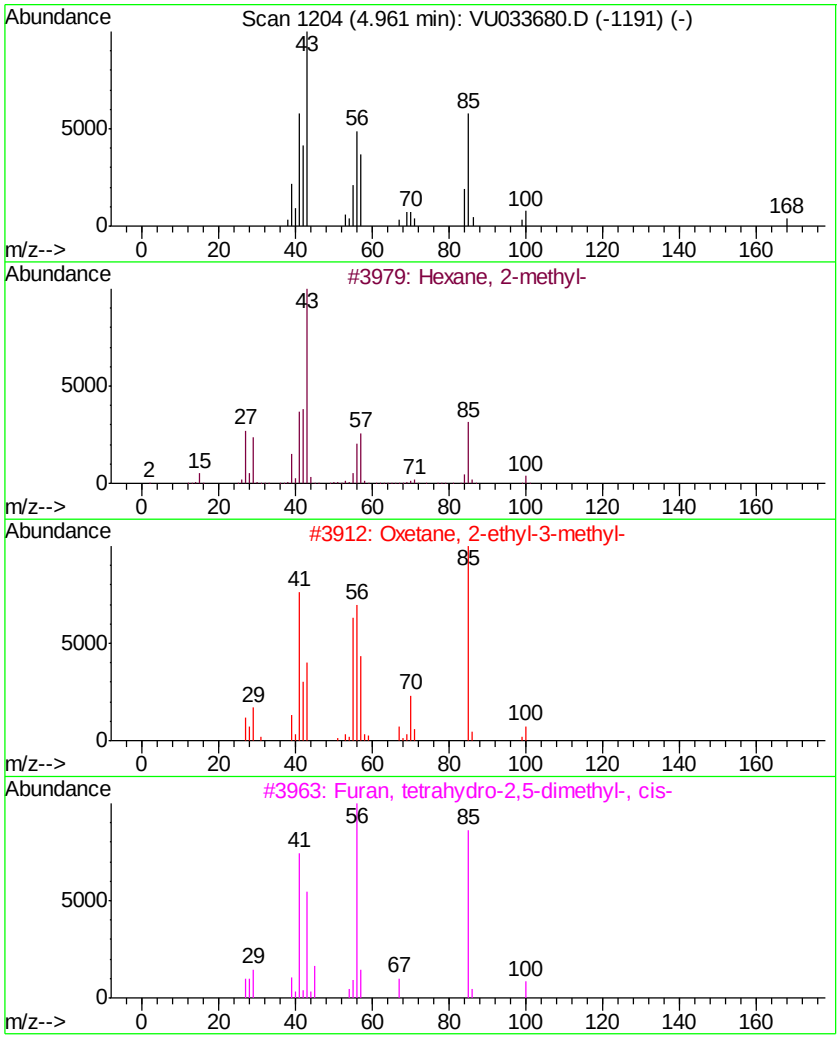
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

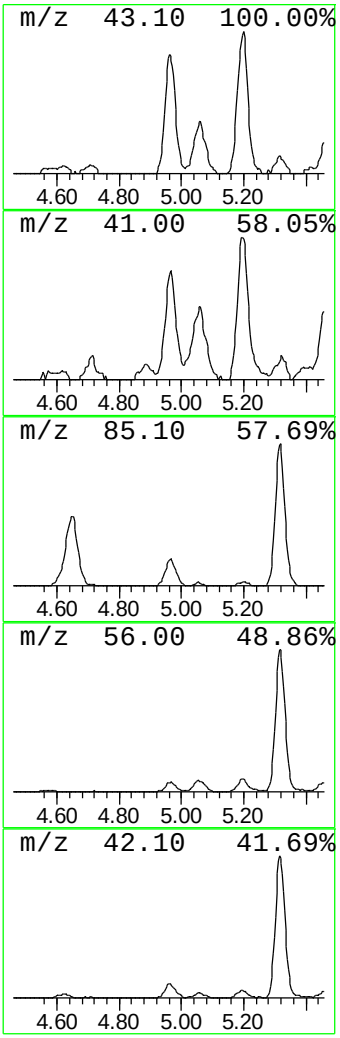
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	3.02 ug/L	46247	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
2	Oxetane, 2-ethyl-3-methyl-	100	C6H12O	053778-62-4	52
3	Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	002144-41-4	49
4	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	47
5	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

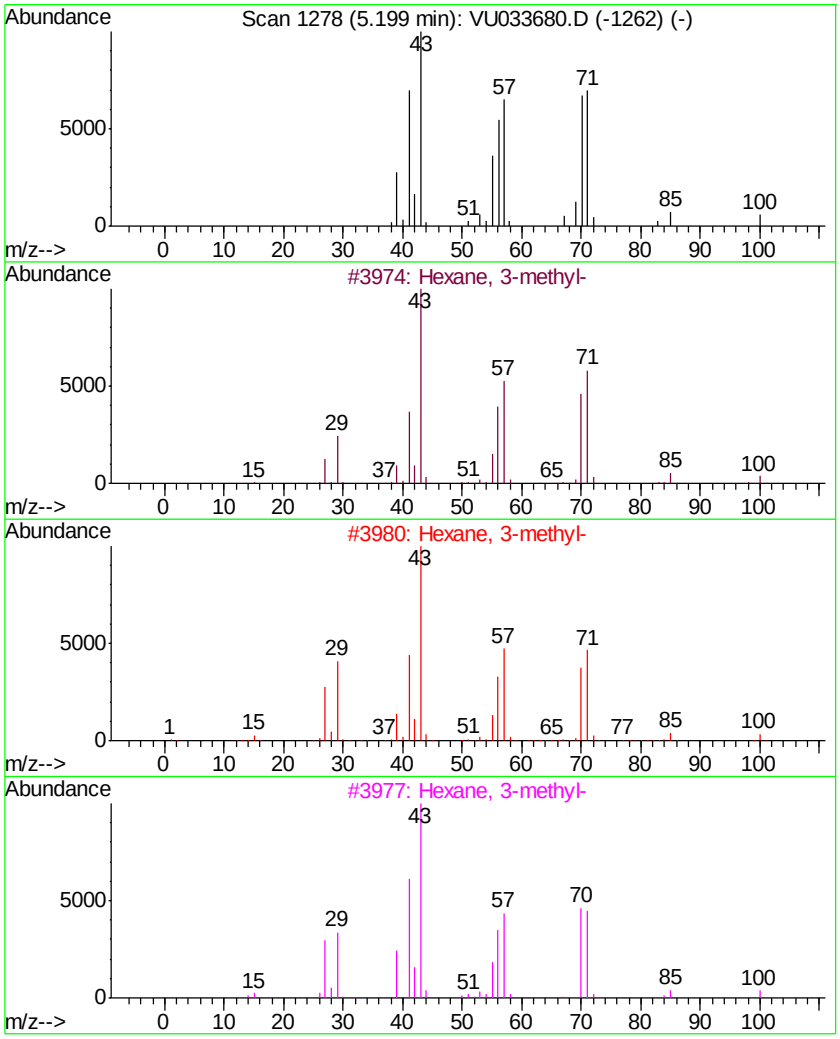
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

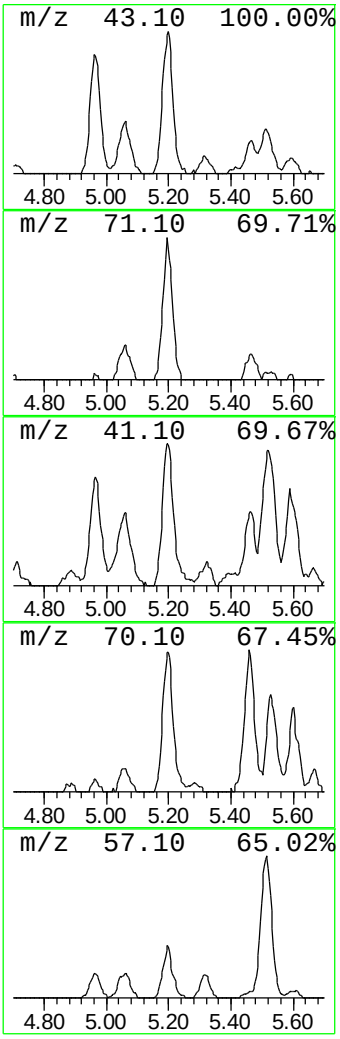
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	4.45 ug/L	68109	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	74
4	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

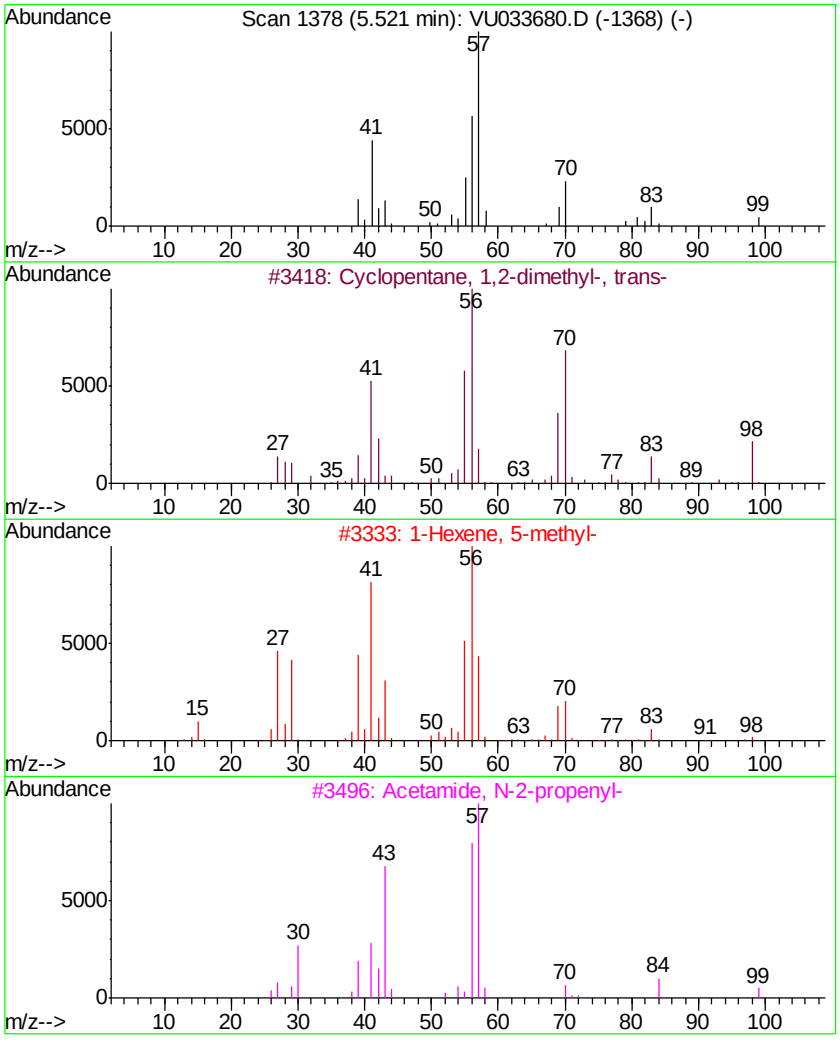
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

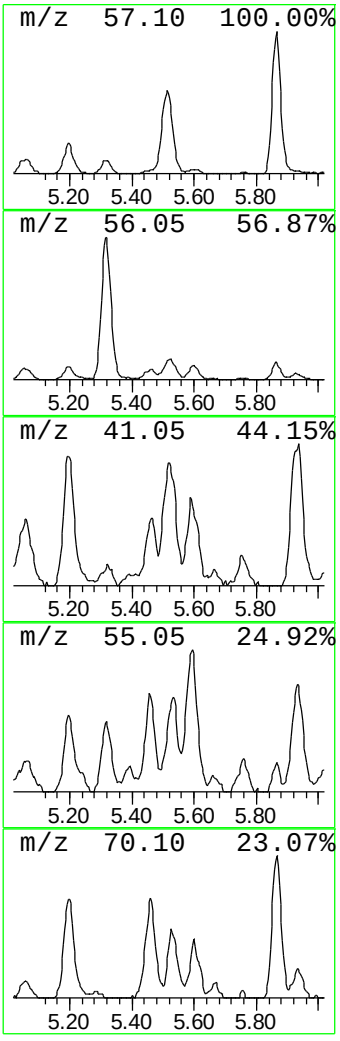
****

Peak Number 4 (DEL) Alkane: Cyclic5.52 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	3.62 ug/L	55452	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	53
2	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	52
3	Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	47
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	43
5	Cyclohexane	84	C6H12	000110-82-7	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

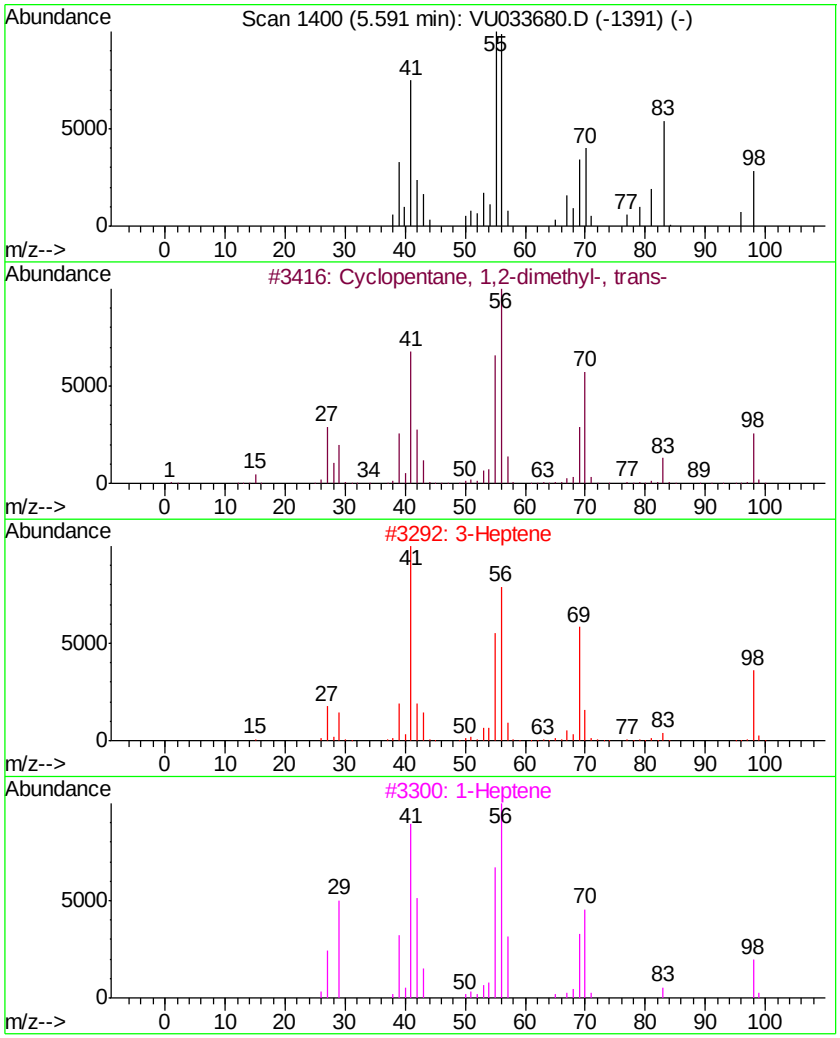
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

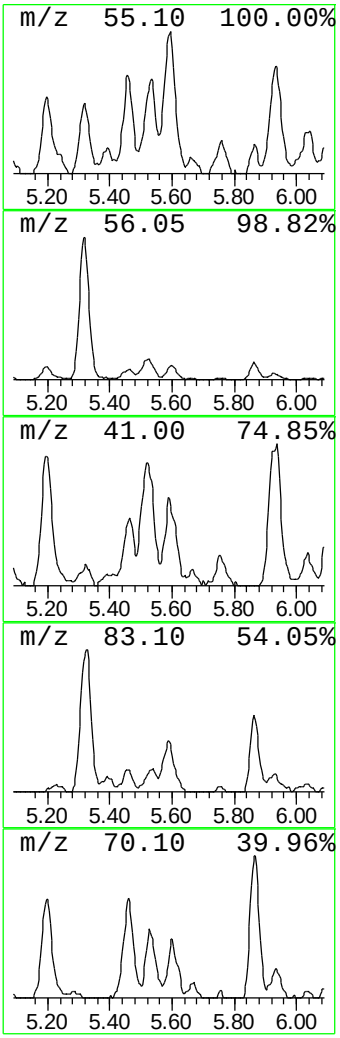
****

Peak Number 5 (DEL) Alkane: Cyclic5.59 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	3.17 ug/L	48485	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	58
2	3-Heptene	98	C7H14	000592-78-9	50
3	1-Heptene	98	C7H14	000592-76-7	50
4	3-Heptene, (E)-	98	C7H14	014686-14-7	49
5	Cyclobutanone, 3,3-dimethyl-	98	C6H10O	001192-33-2	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

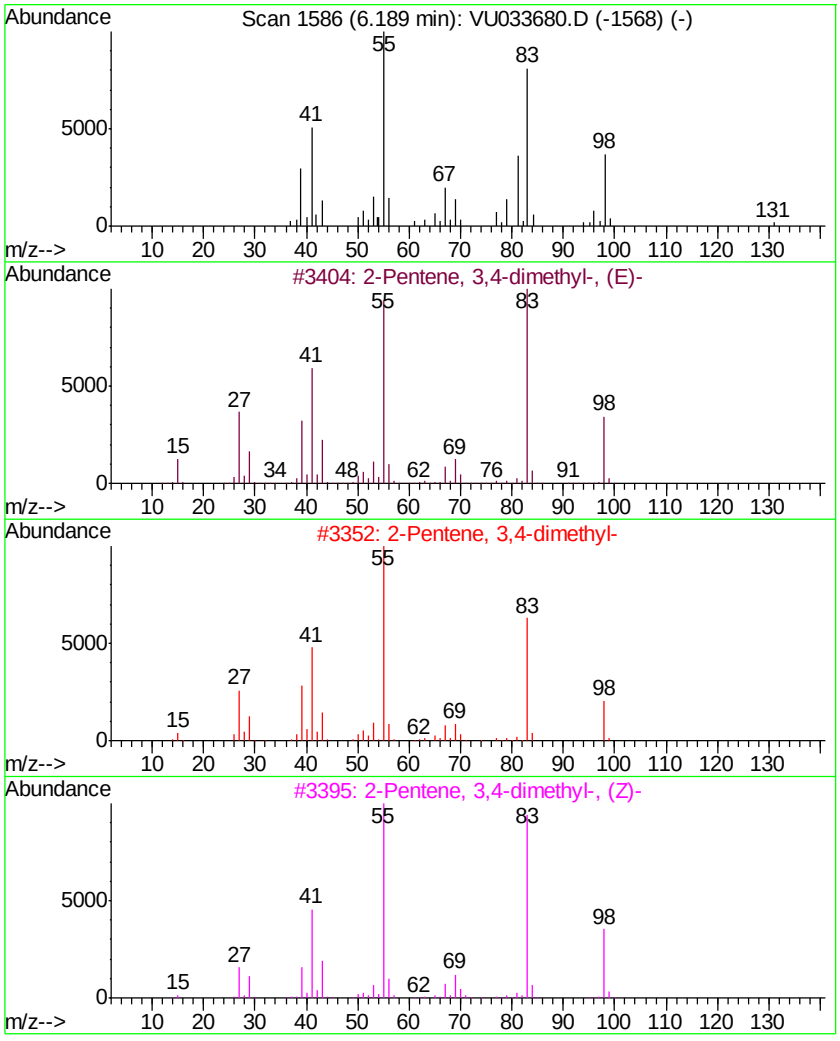
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

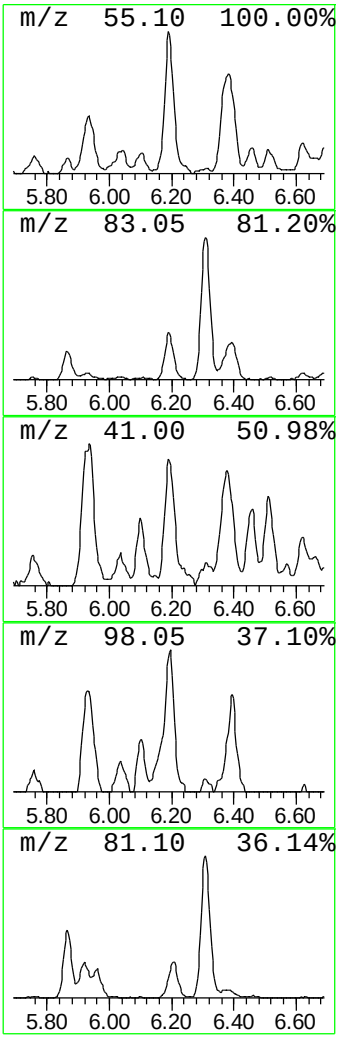
****

Peak Number 6 (DEL) Alkane: Cyclic6.19 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	5.54 ug/L	84738	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	76
2	2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	74
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	72
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	68
5	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	68





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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

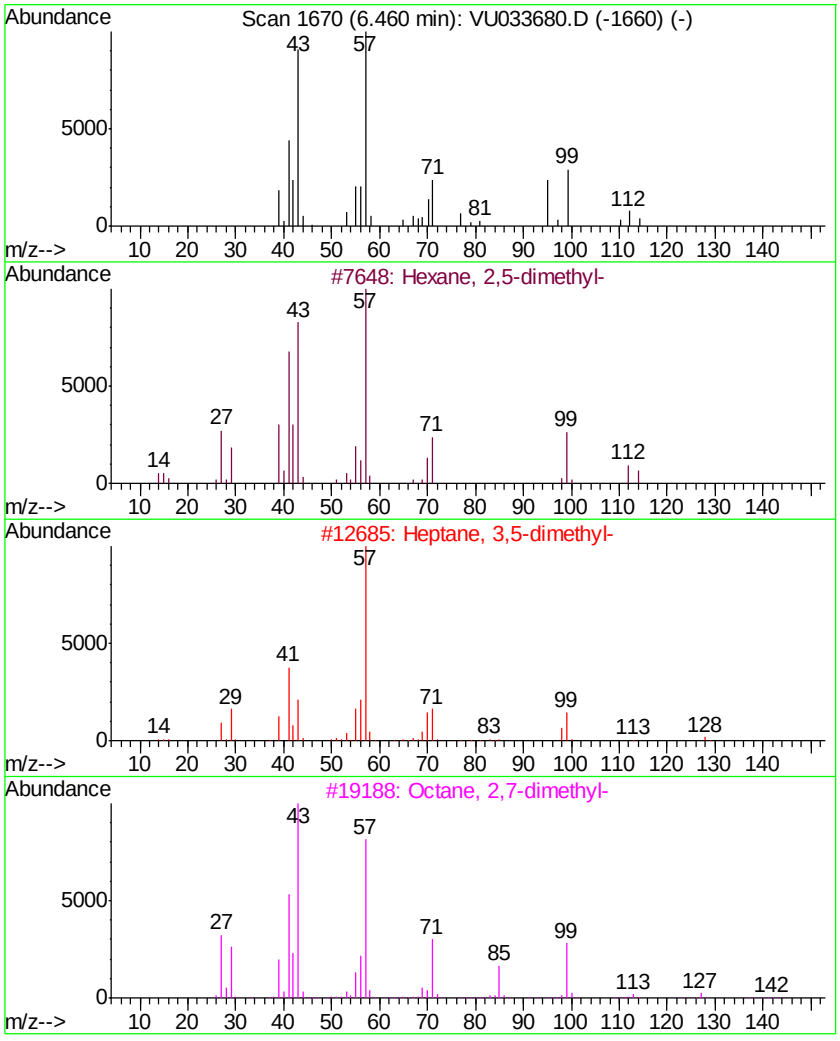
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

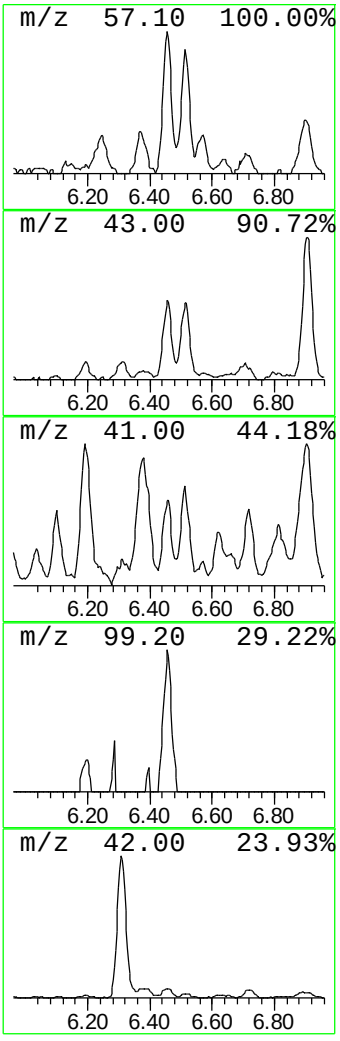
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	2.50 ug/L	38299	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	50
3	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	50
4	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	47
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	43





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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

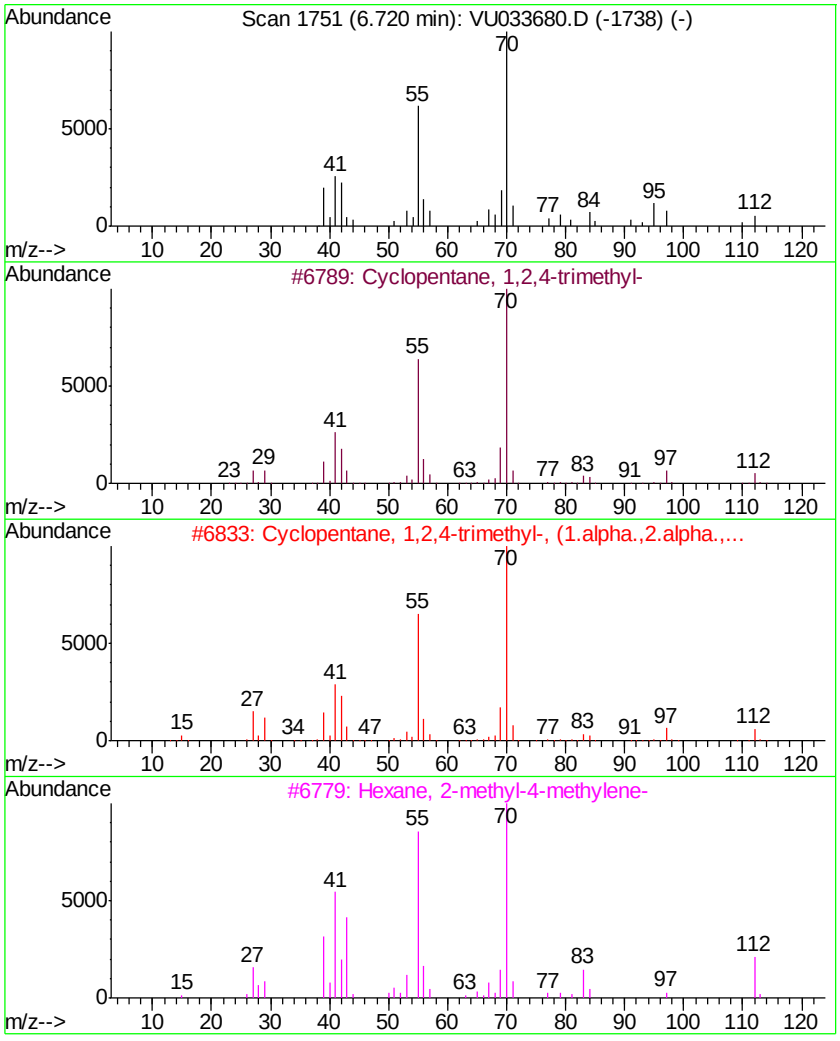
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

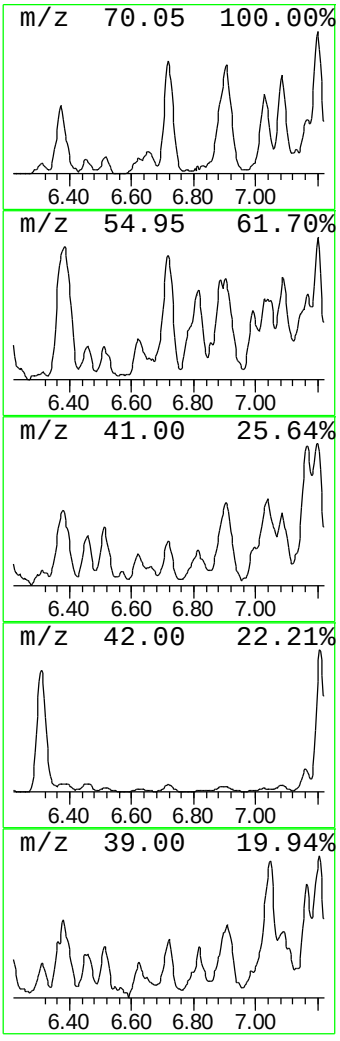
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	3.30 ug/L	50439	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	87
3	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	64
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	64
5	Cyclobutanone, 2,2,3-trimethyl-	112	C7H12O	001449-49-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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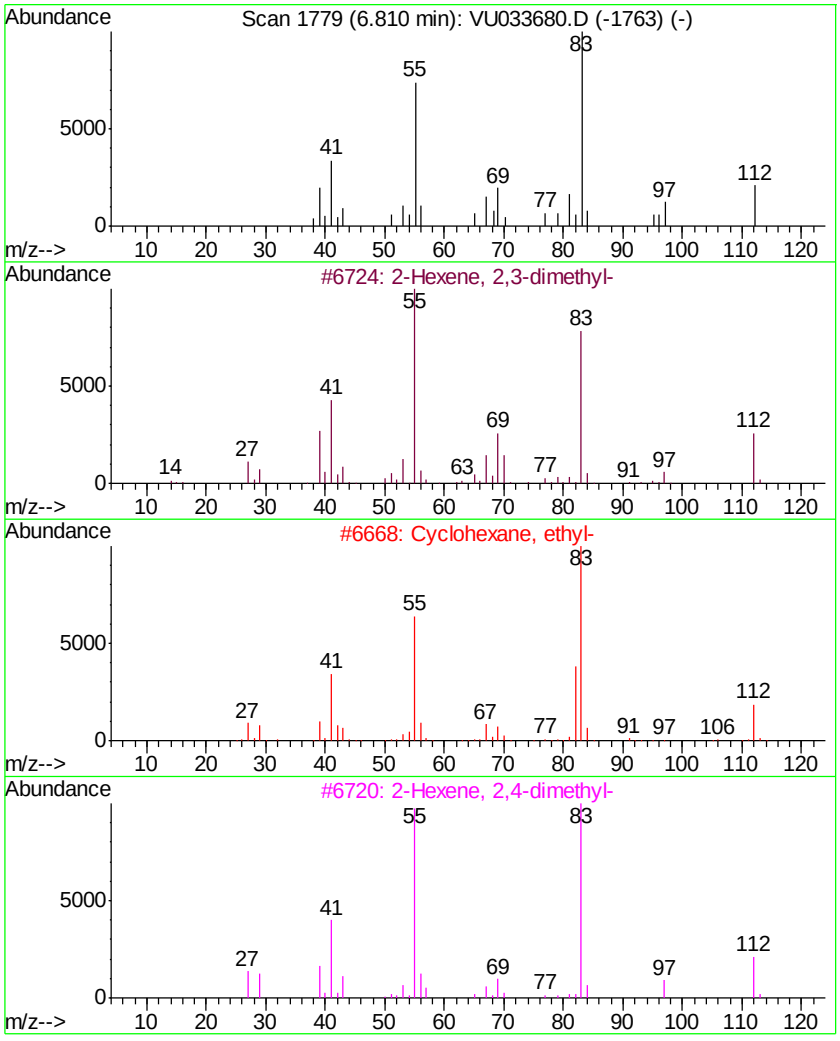
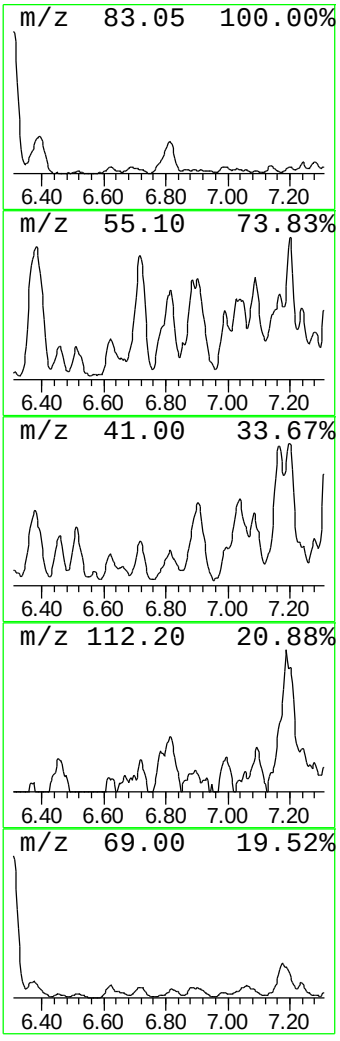
Peak Number 9 (DEL) Alkane: Cyclic6.81 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	2.76 ug/L	42183	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	80
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
3	2-Hexene, 2,4-dimethyl-	112	C8H16	014255-23-3	80
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
5	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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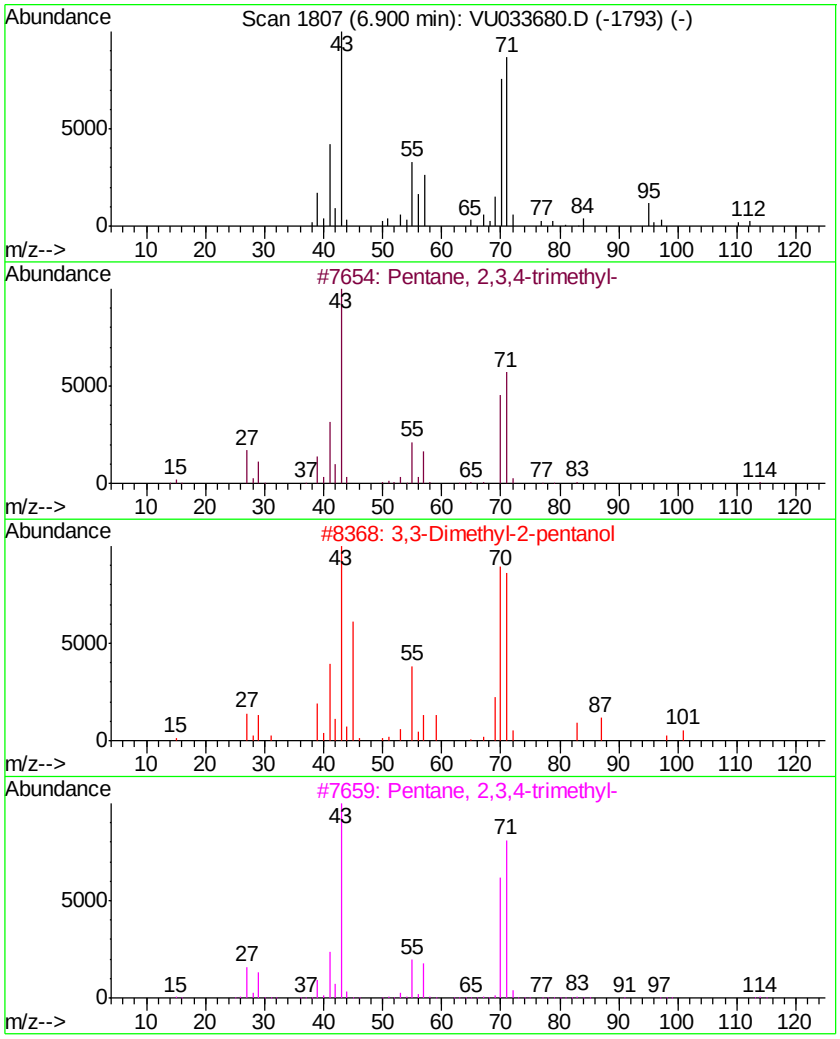
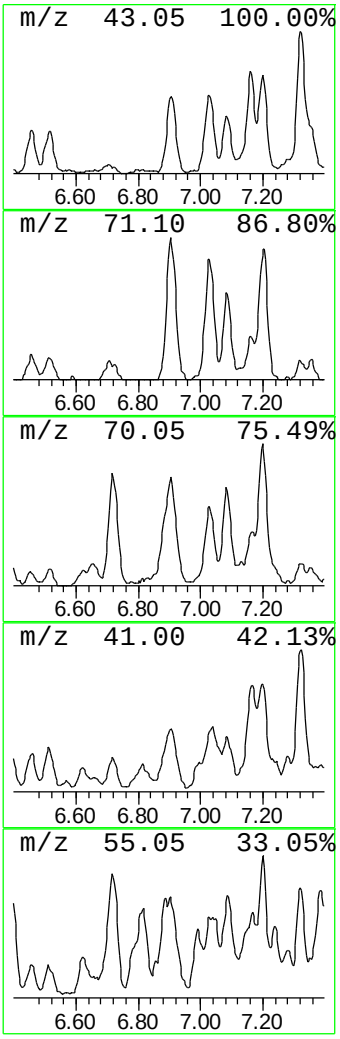
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	6.97 ug/L	106668	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	80
2	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	72
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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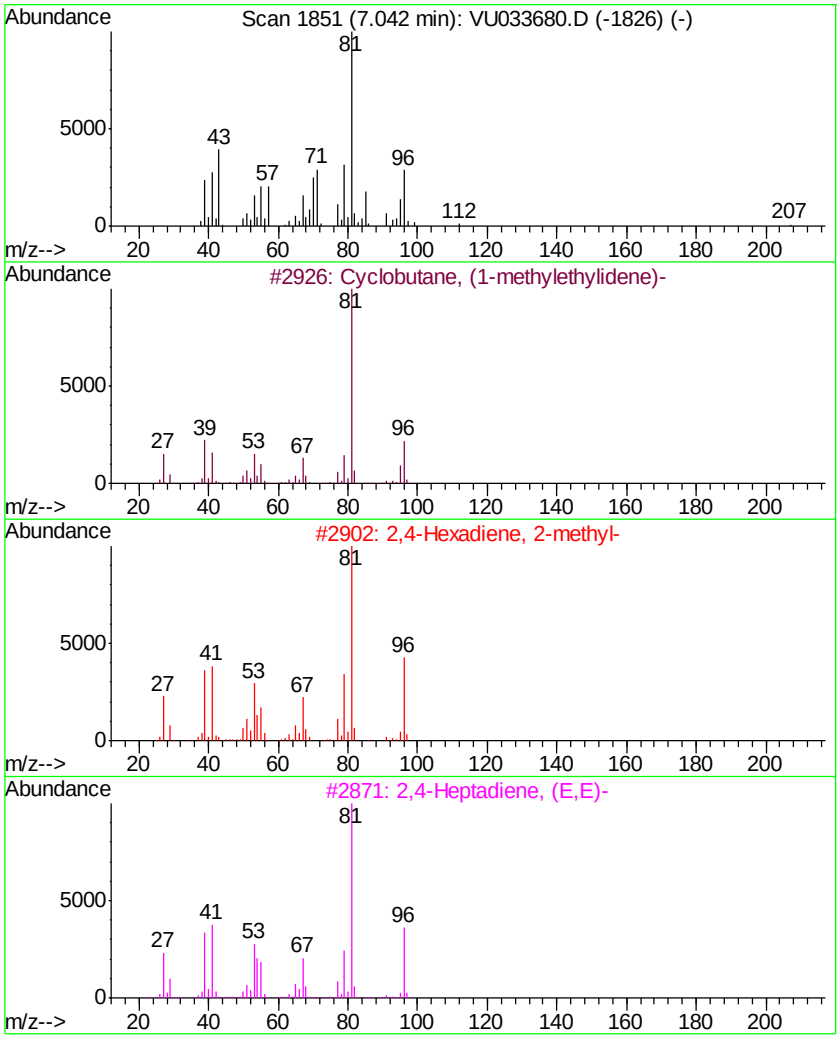
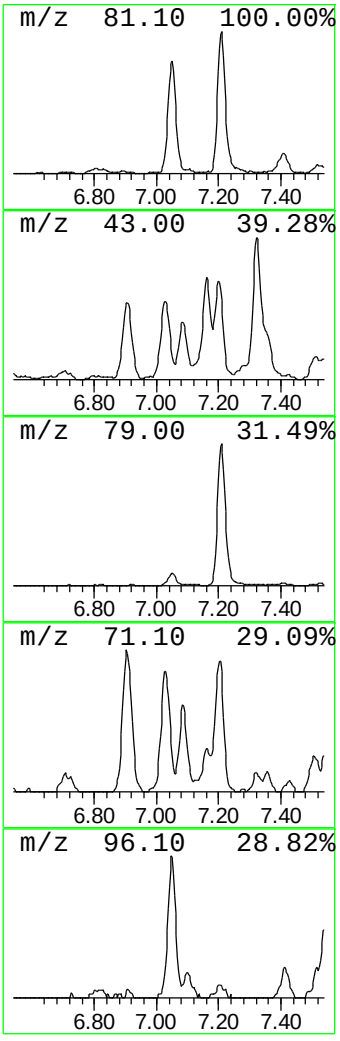
Peak Number 11 Cyclobutane, (1-methylethyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	11.84 ug/L	181219	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	70
2	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	70
3	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	58
4	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	58
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

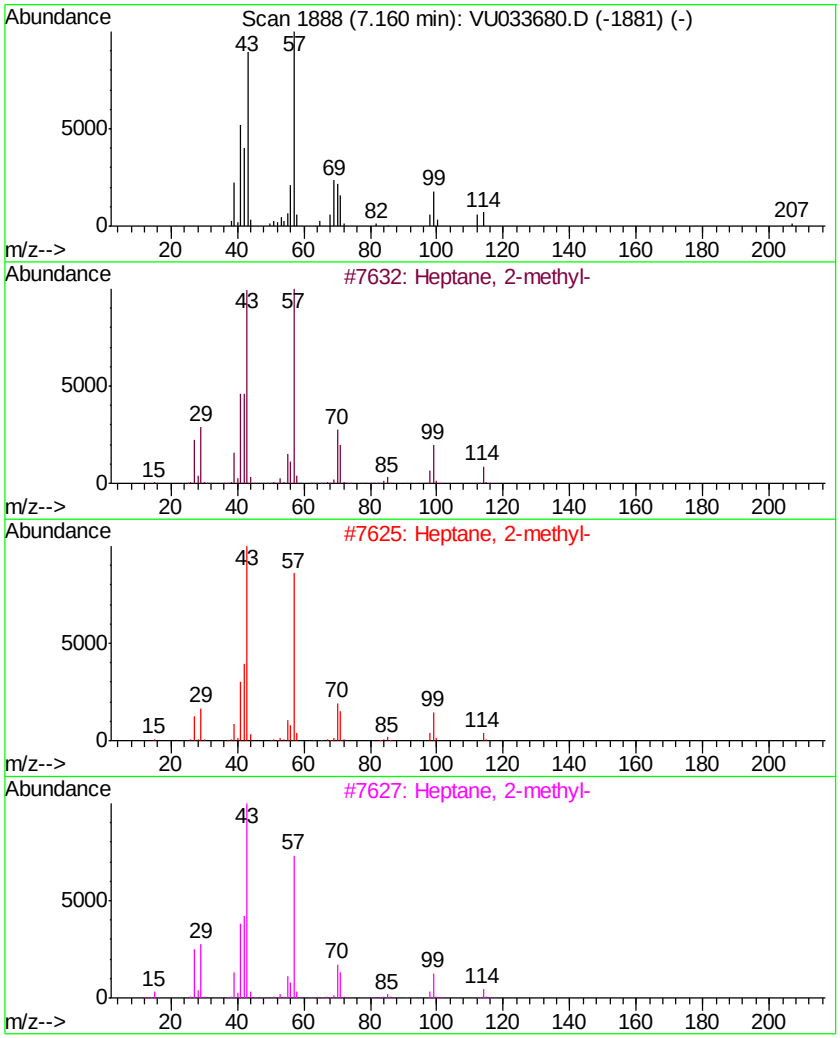
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

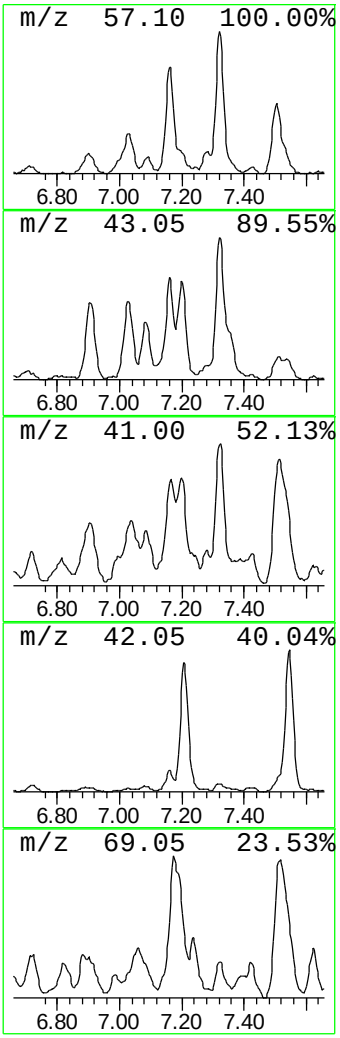
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	3.62 ug/L	55452	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	80
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

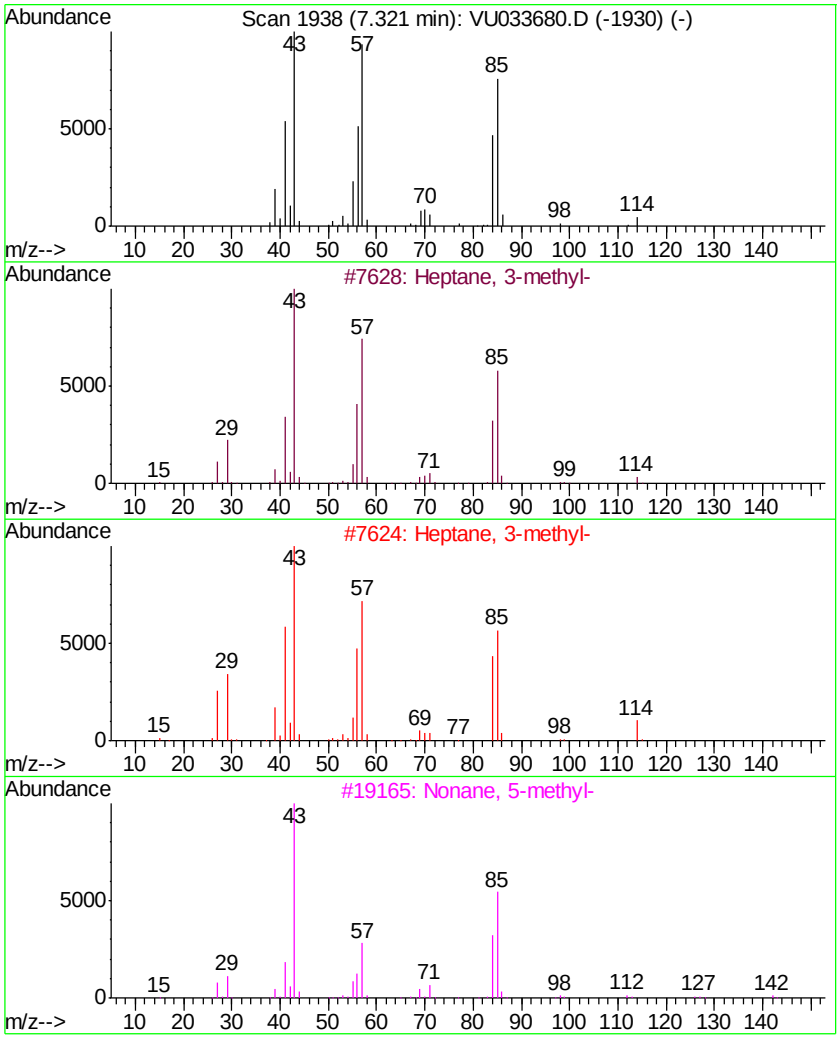
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

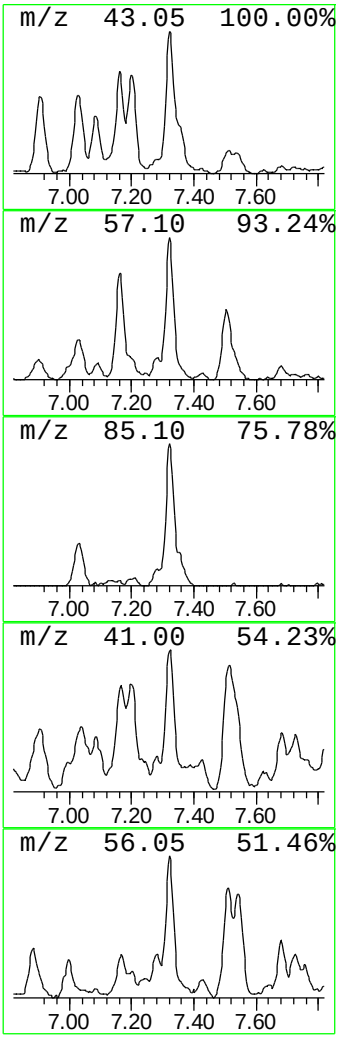
****

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	6.57 ug/L	100579	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
3	Nonane, 5-methyl-	142	C10H22	015869-85-9	72
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	59





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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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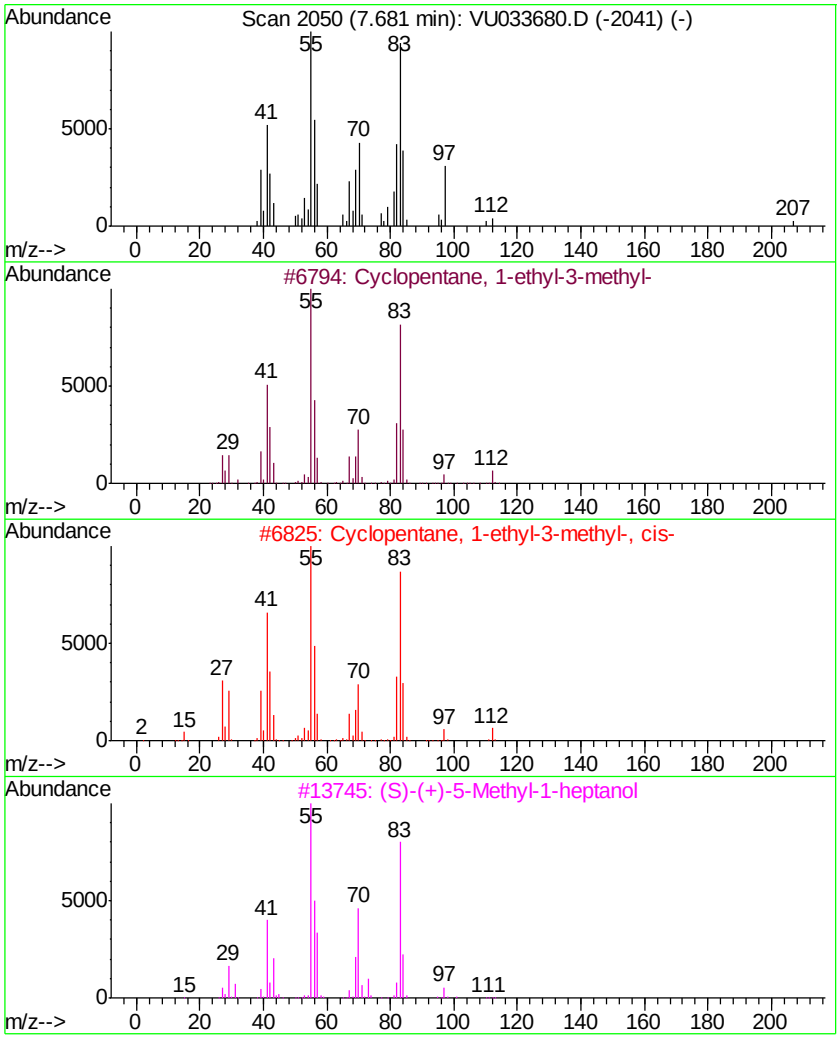
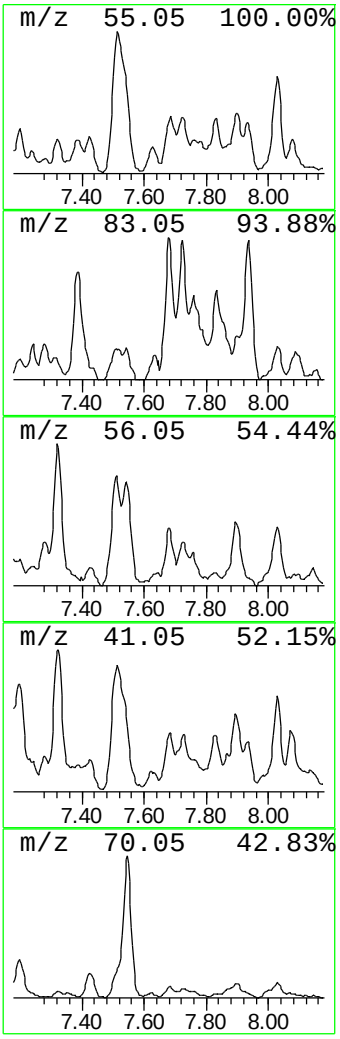
Peak Number 15 (DEL) Alkane: Cyclic7.68 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	3.06 ug/L	59979	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	91
2	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	91
3	(S)-(+)-5-Methyl-1-heptanol	130	C8H18O	057803-73-3	47
4	3-Undecene, 5-methyl-	168	C12H24	1000061-84-1	47
5	Formic acid, octyl ester	158	C9H18O2	000112-32-3	43





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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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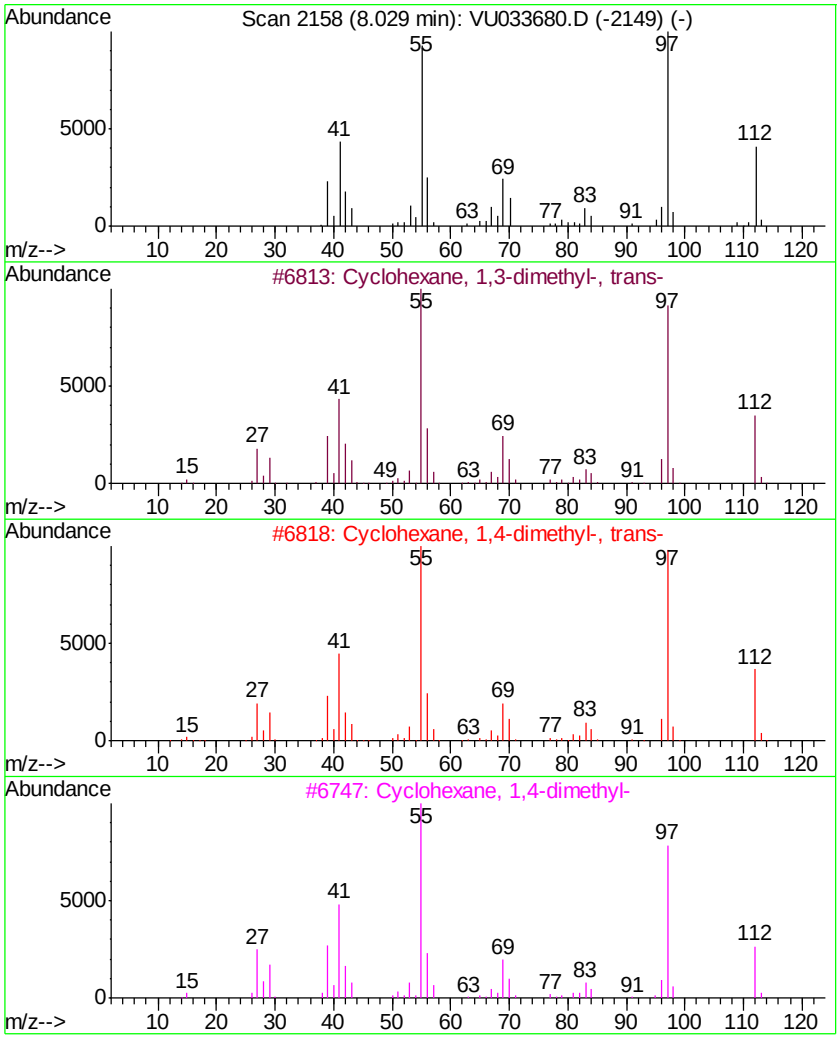
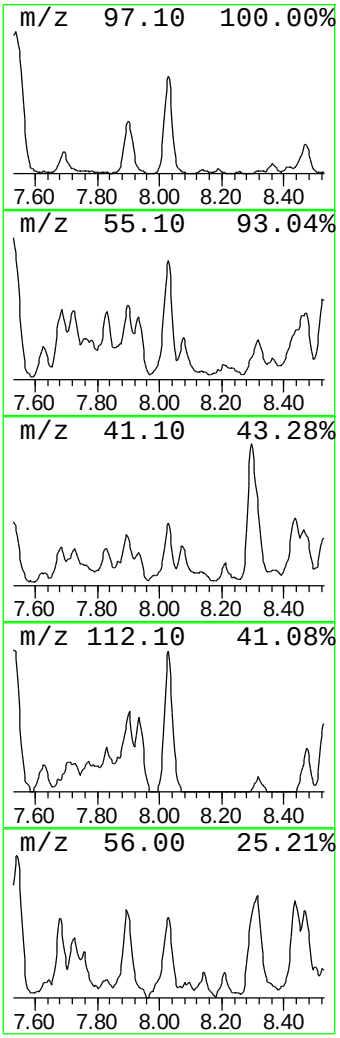
Peak Number 16 (DEL) Alkane: Cyclic8.03 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	5.09 ug/L	99663	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	93
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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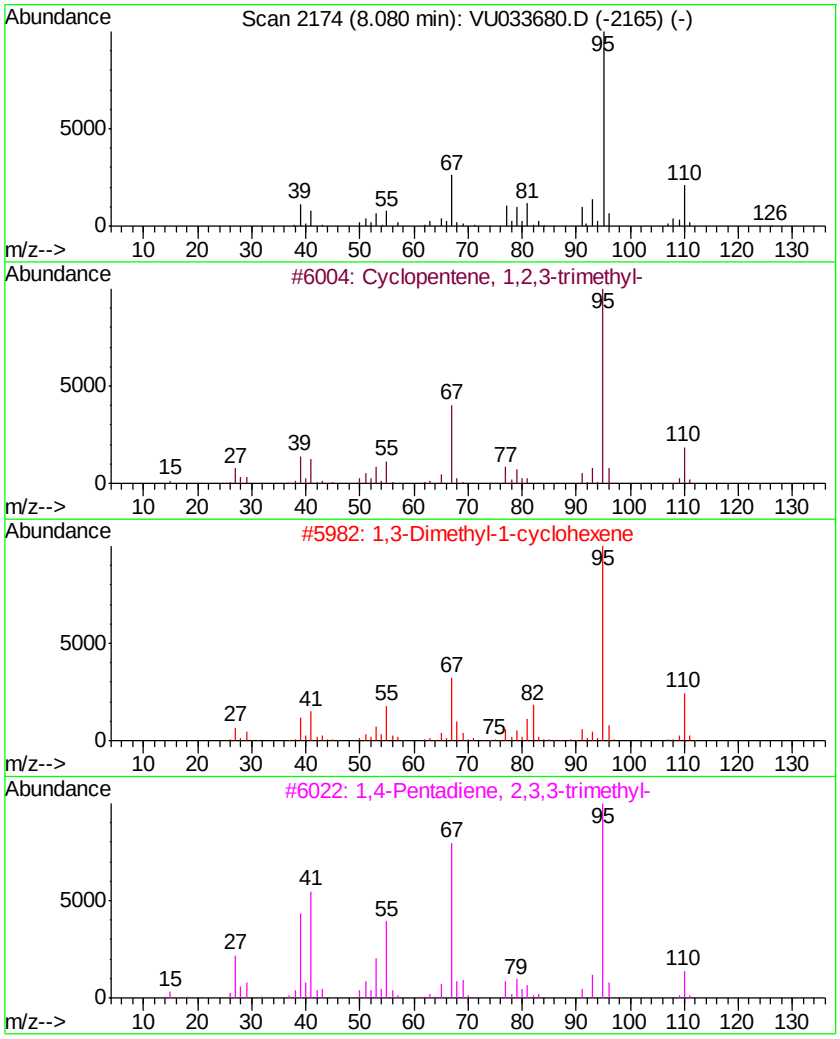
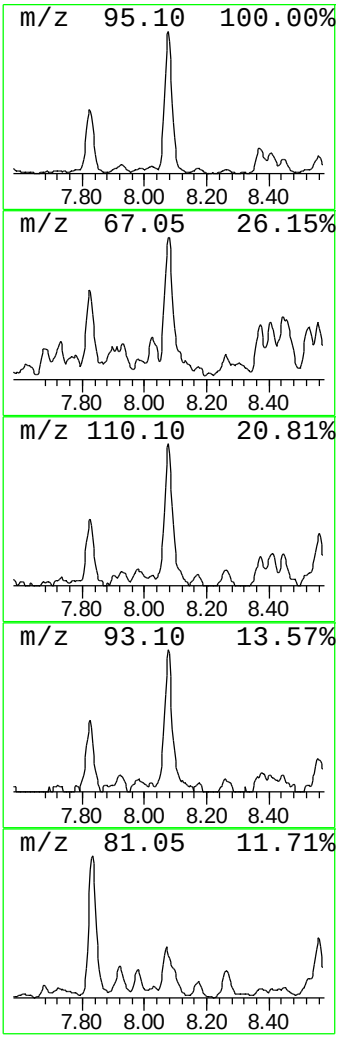
Peak Number 17 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	7.50 ug/L	146832	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	83
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	74
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

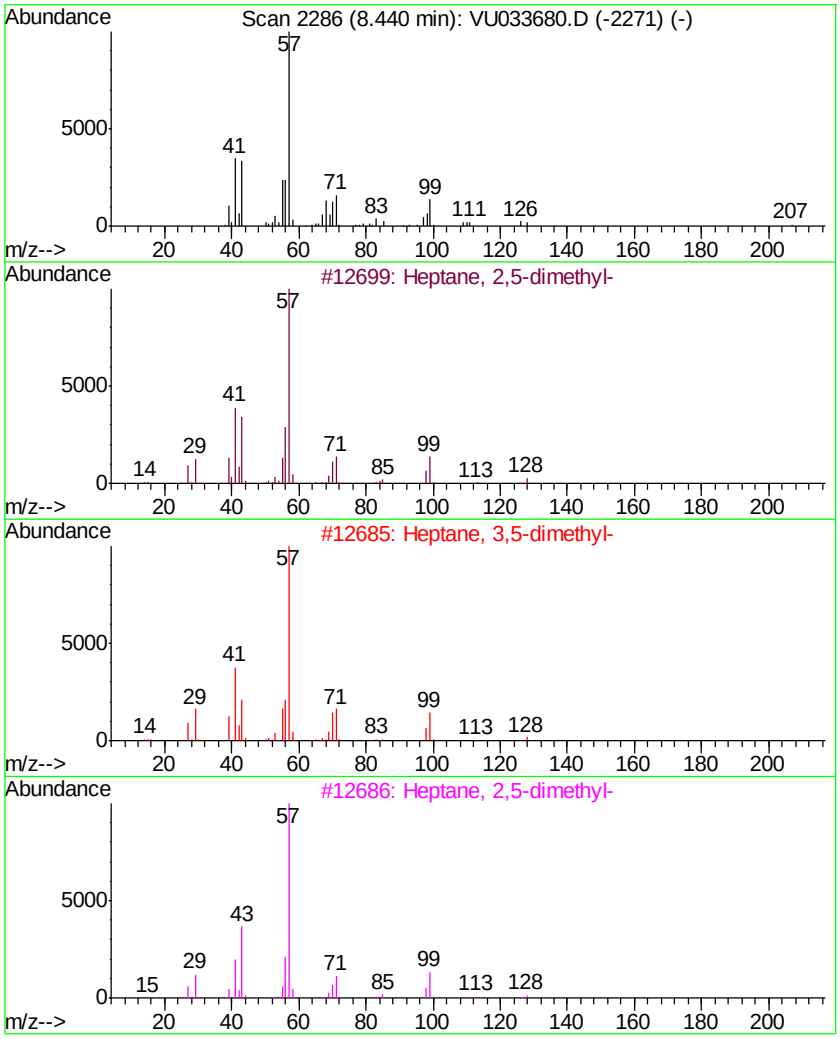
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

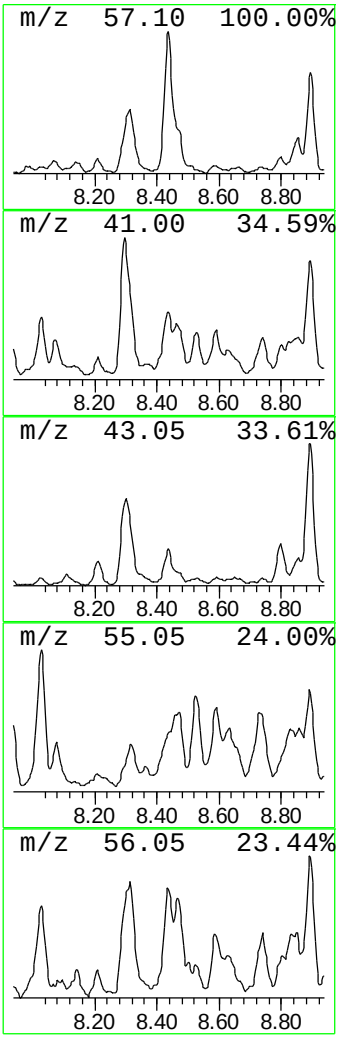
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	4.81 ug/L	94245	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	87
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	68





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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

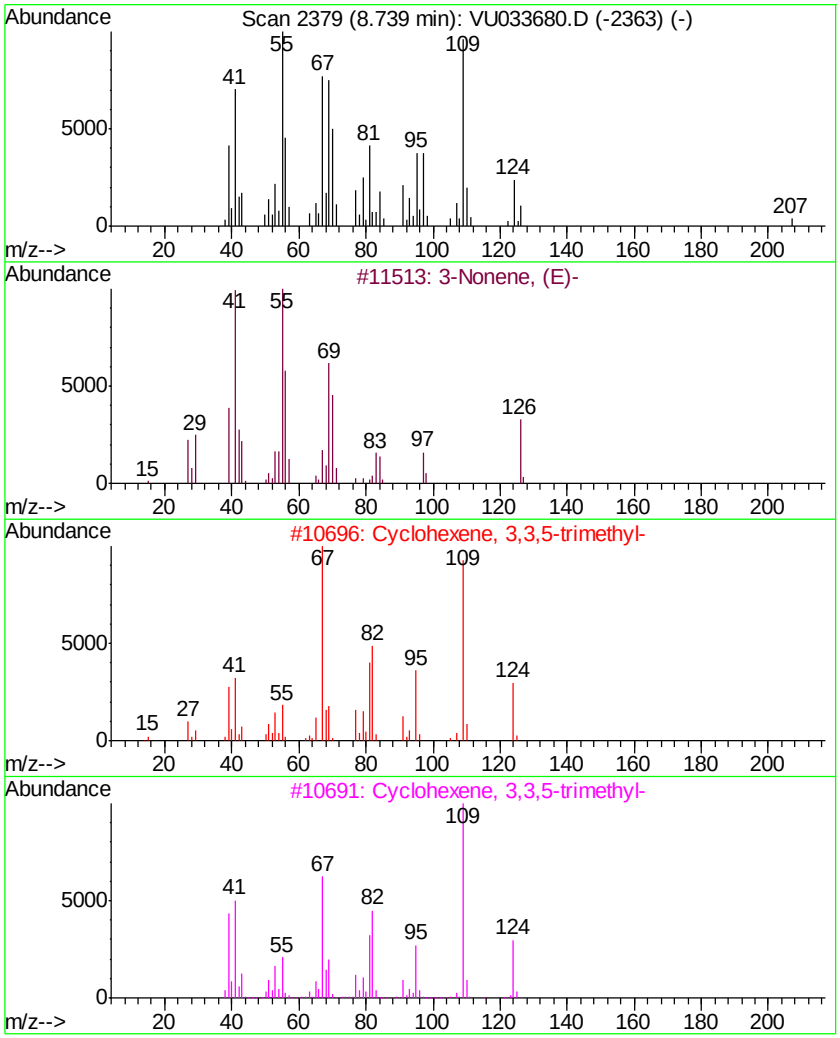
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

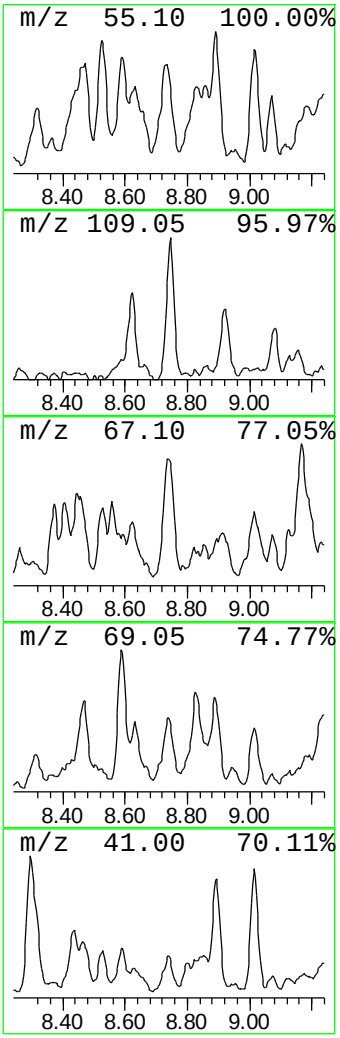
****

Peak Number 19 (DEL) Alkane: Cyclic8.74 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	5.16 ug/L	100937	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Nonene, (E)-	126	C9H18	020063-92-7	46
2	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	45
3	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	43
4	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	41
5	2,4-Heptadiene, 2,4-dimethyl-	124	C9H16	074421-05-9	38





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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

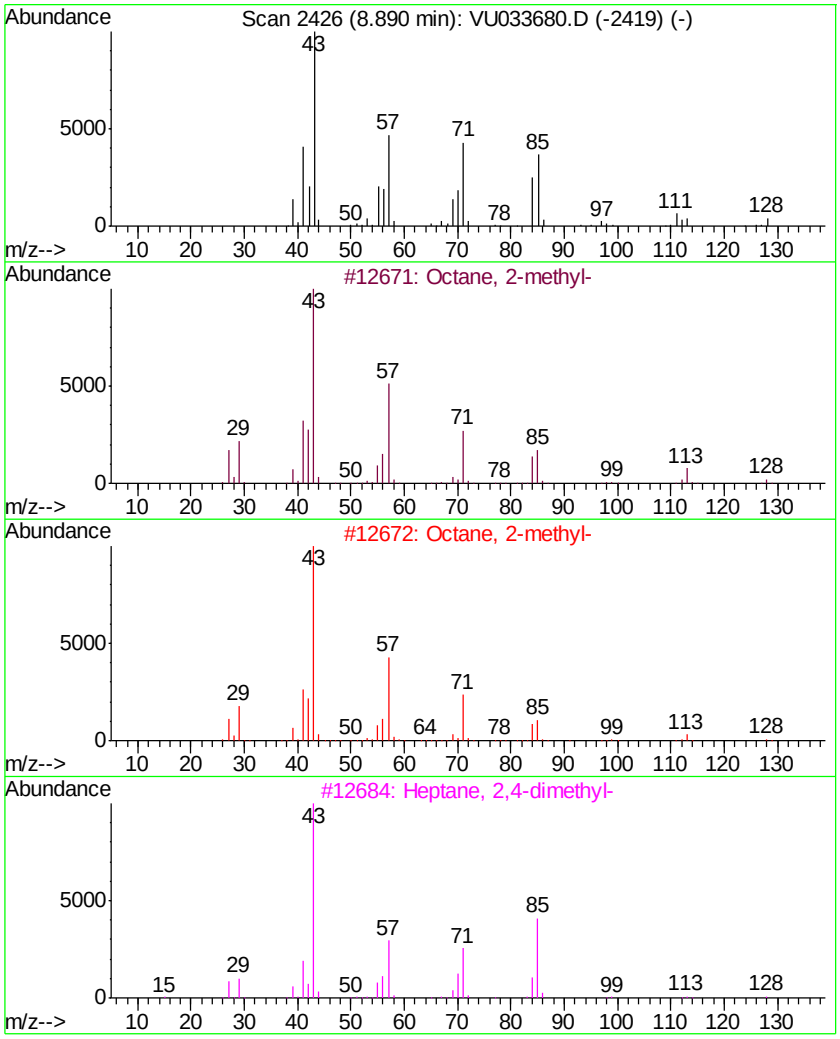
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

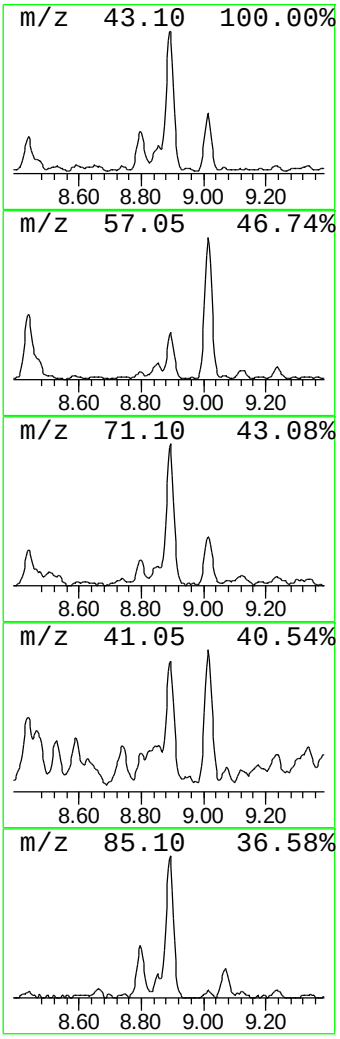
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	9.61 ug/L	188221	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	74
2	Octane, 2-methyl-	128	C9H20	003221-61-2	64
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
4	Dodecane, 5-methyl-	184	C13H28	017453-93-9	50
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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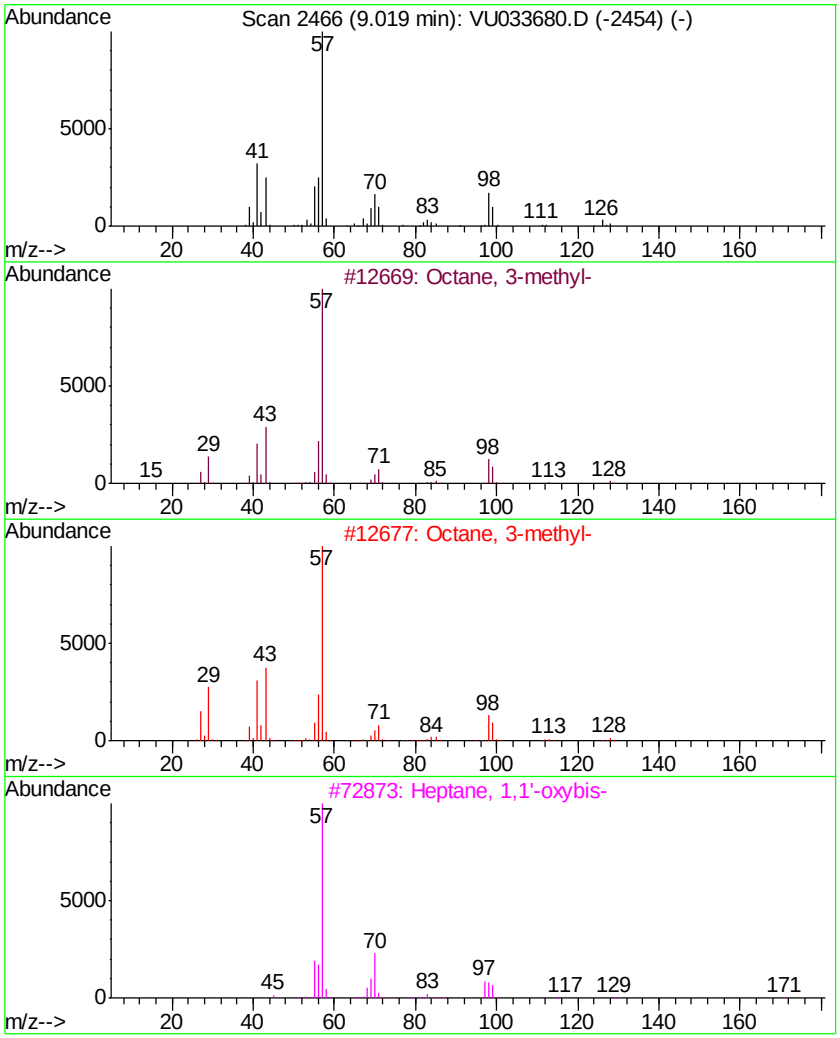
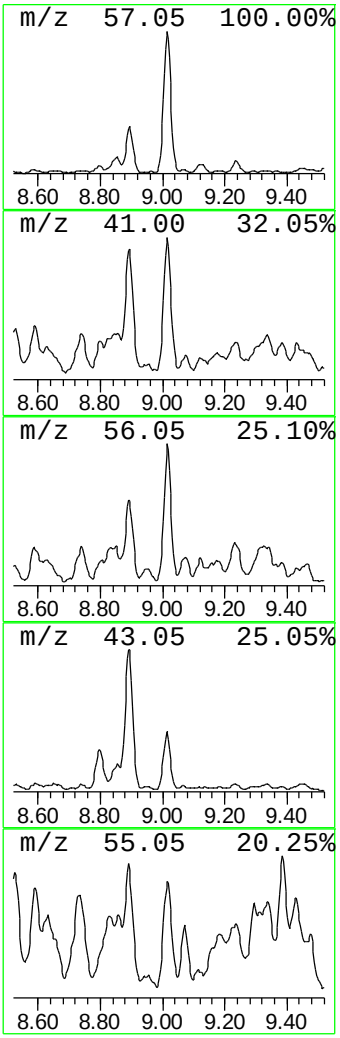
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	8.49 ug/L	166329	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	80
2	Octane, 3-methyl-	128	C9H20	002216-33-3	72
3	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	72
4	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	72
5	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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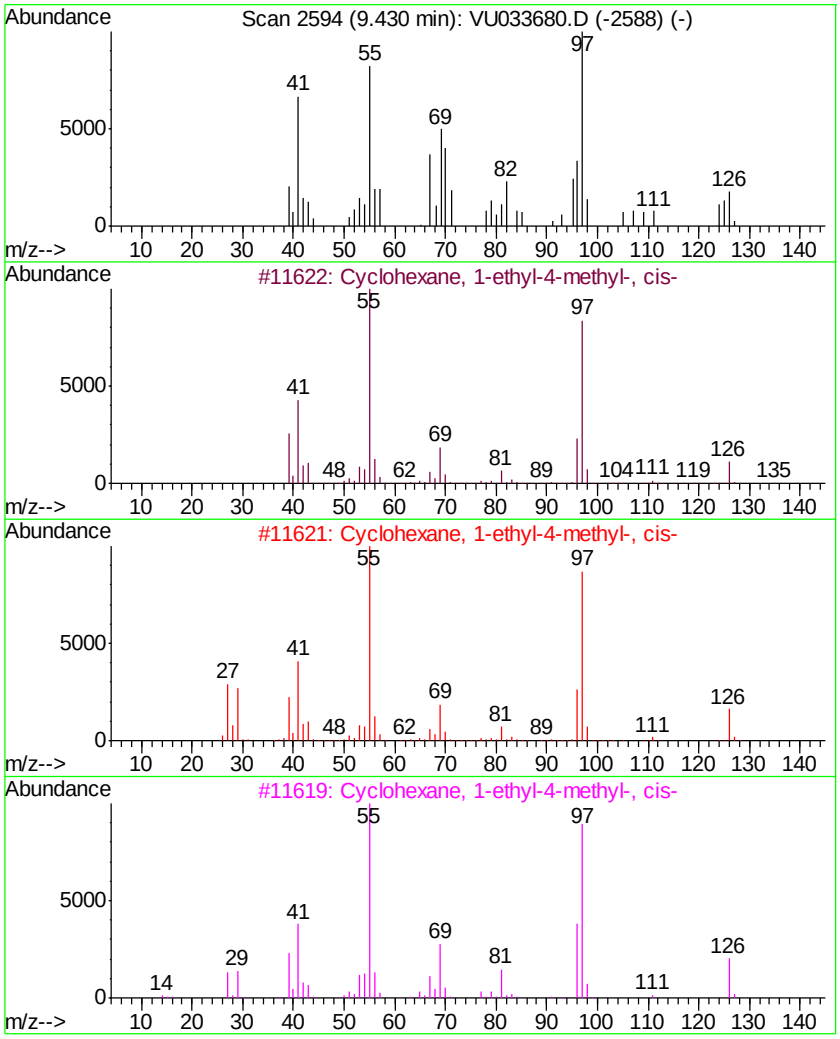
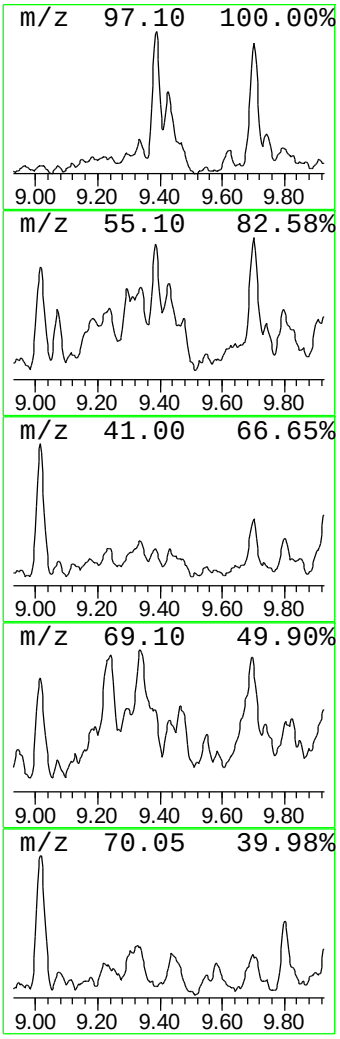
Peak Number 22 (DEL) Alkane: Cyclic9.43 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	4.08 ug/L	79840	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	55
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	49
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	45
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	43
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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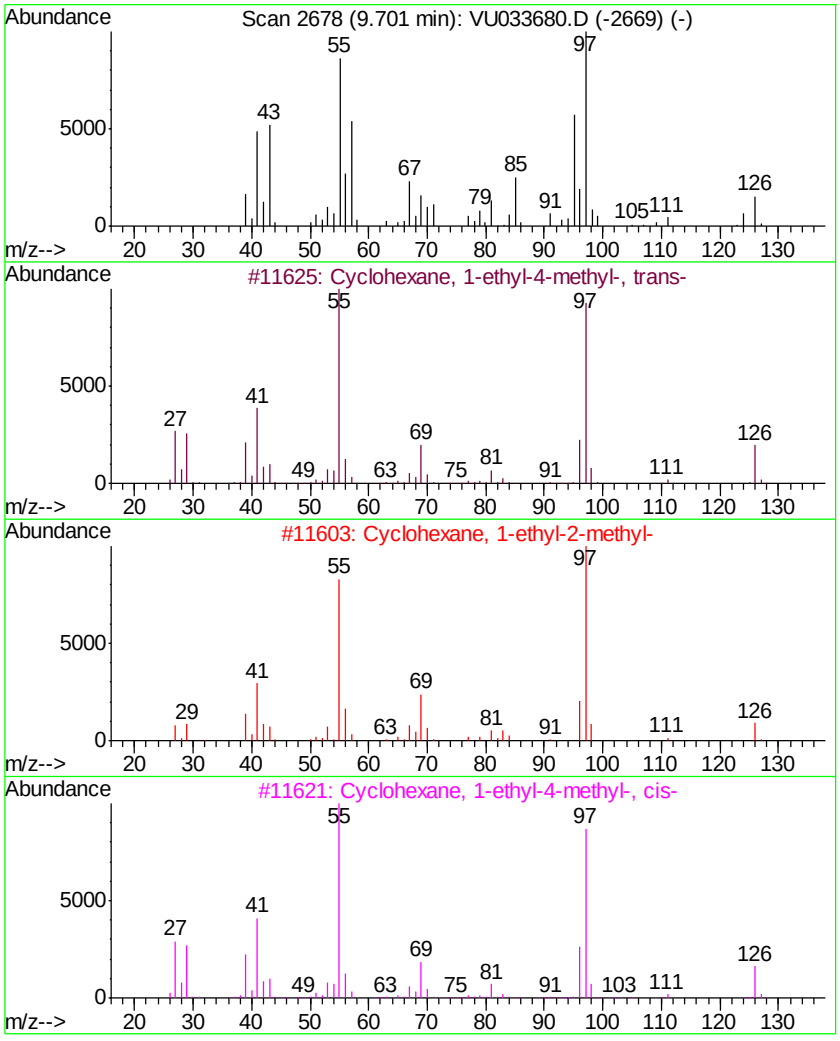
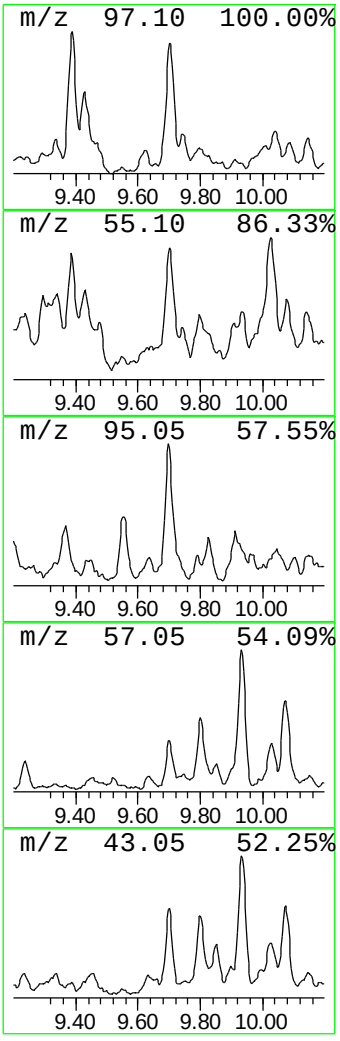
Peak Number 23 (DEL) Alkane: Cyclic9.70 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	4.12 ug/L	80665	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	53
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	49
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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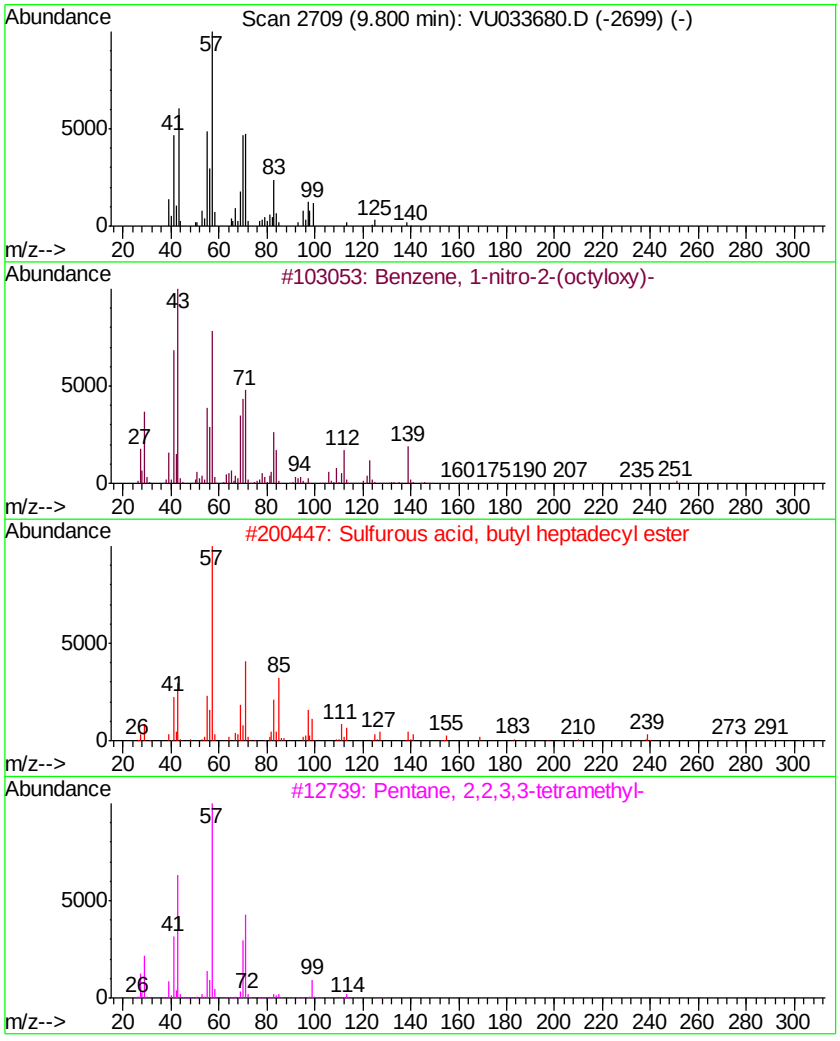
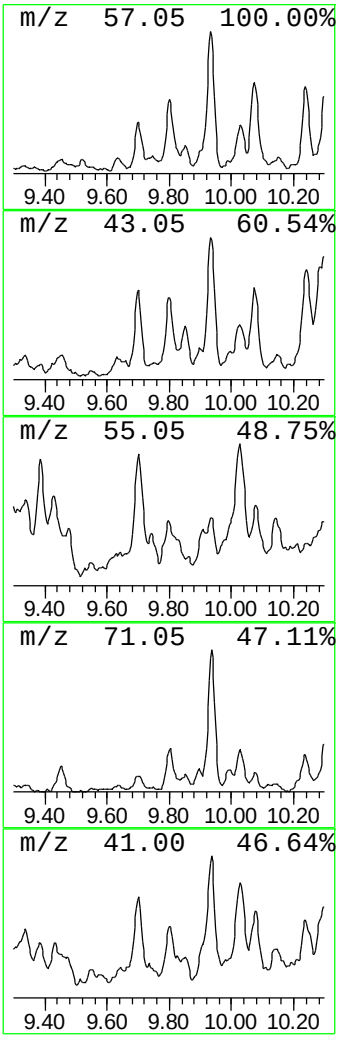
Peak Number 24 Benzene, 1-nitro-2-(octyloxy)- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	2.98 ug/L	58286	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-nitro-2-(octyloxy)-	251	C14H21NO3	037682-29-4	59
2	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	50
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50
4	Hexane, 3-ethyl-4-methyl-	128	C9H20	003074-77-9	50
5	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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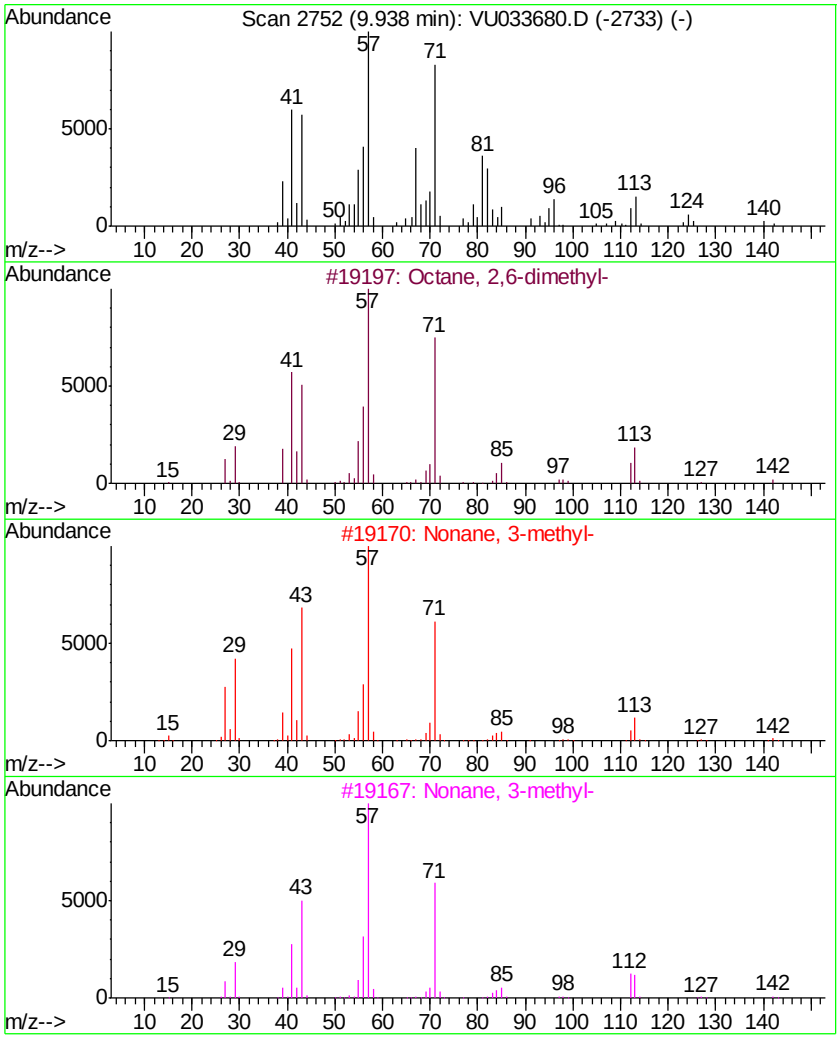
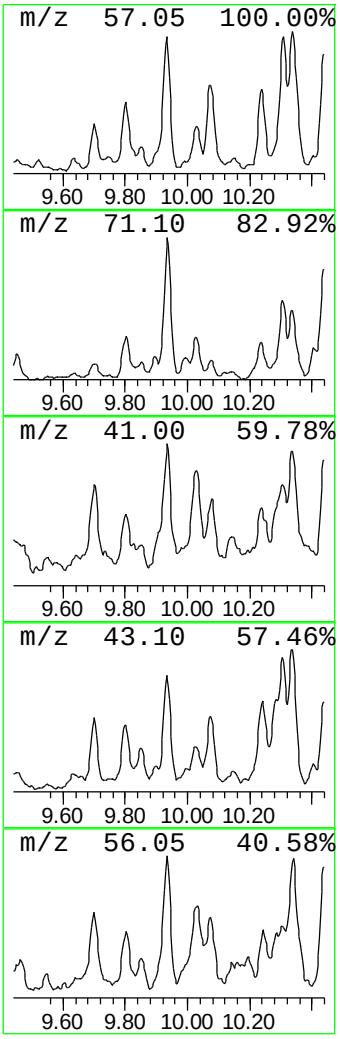
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	8.57 ug/L	167731	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	64
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	46
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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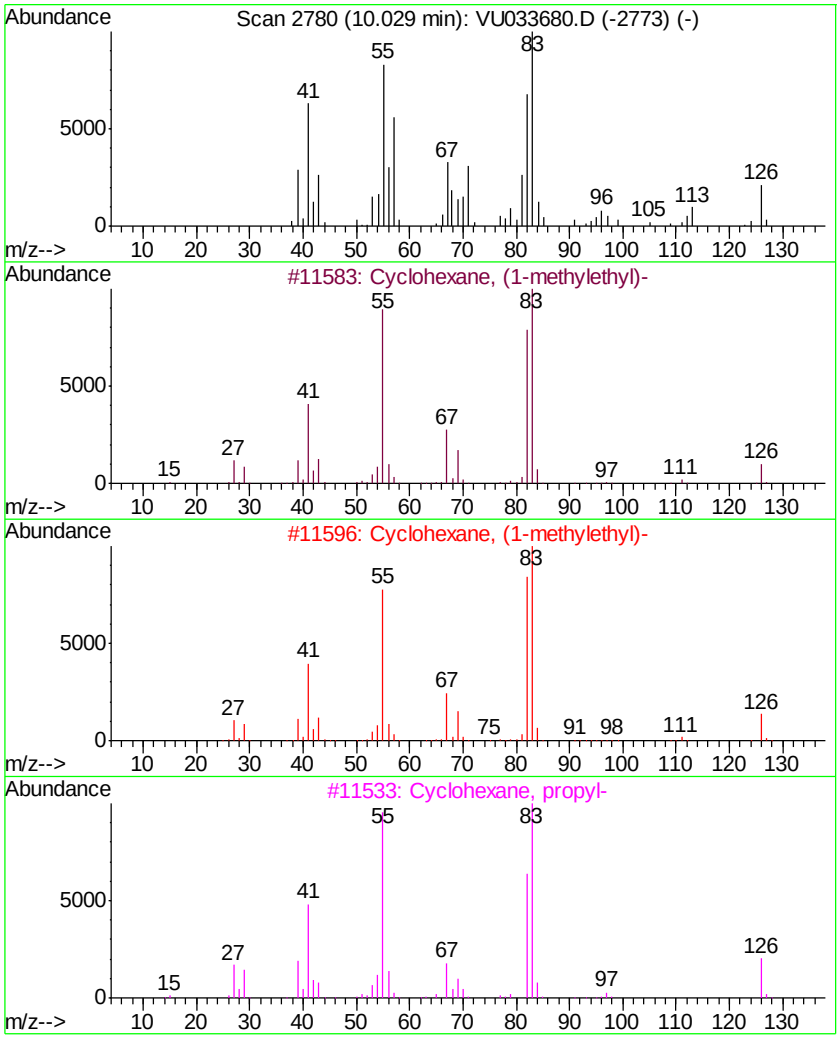
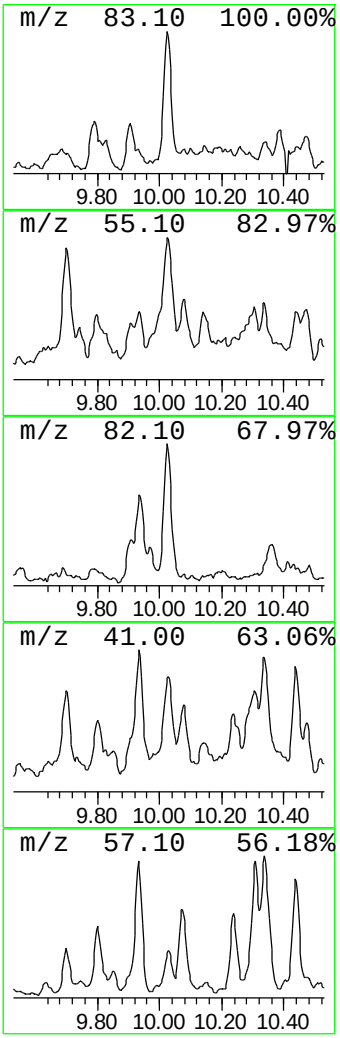
Peak Number 26 (DEL) Alkane: Cyclic10.03 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	3.37 ug/L	65999	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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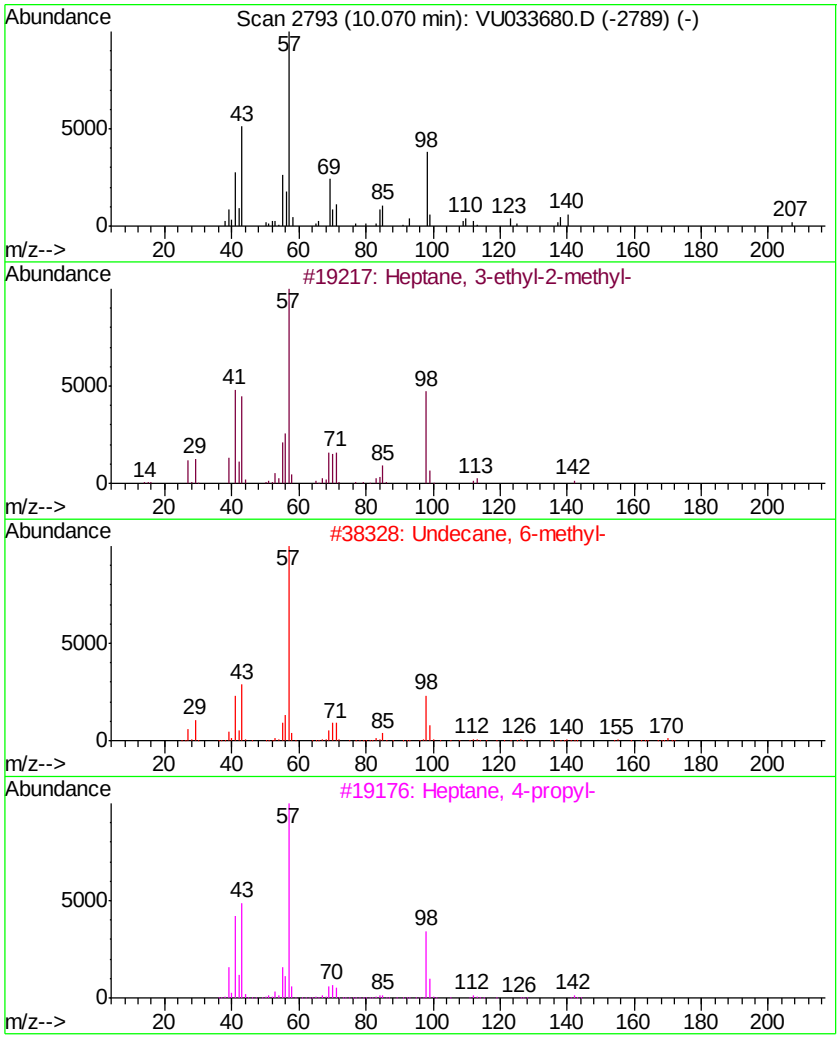
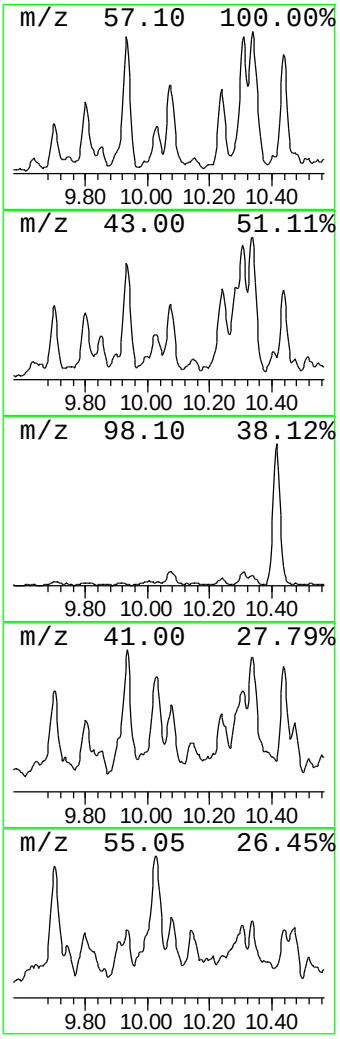
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	2.89 ug/L	56621	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
2	Undecane, 6-methyl-	170	C12H26	017302-33-9	47
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	47
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	40
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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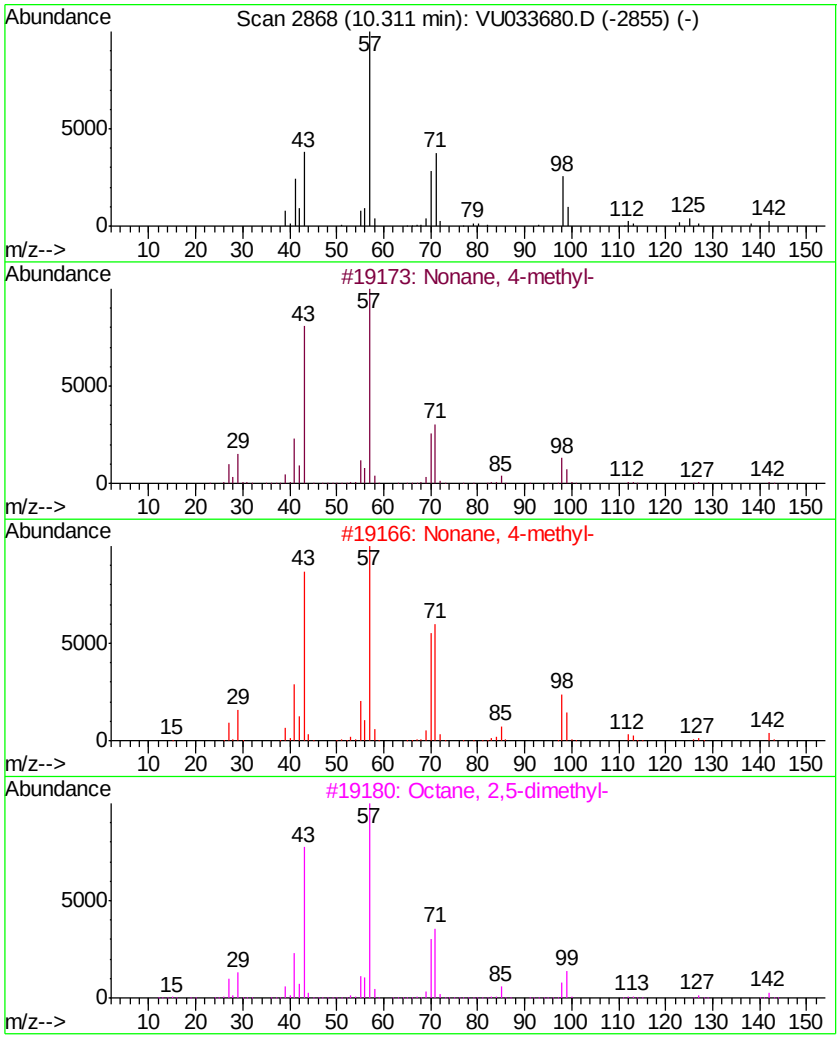
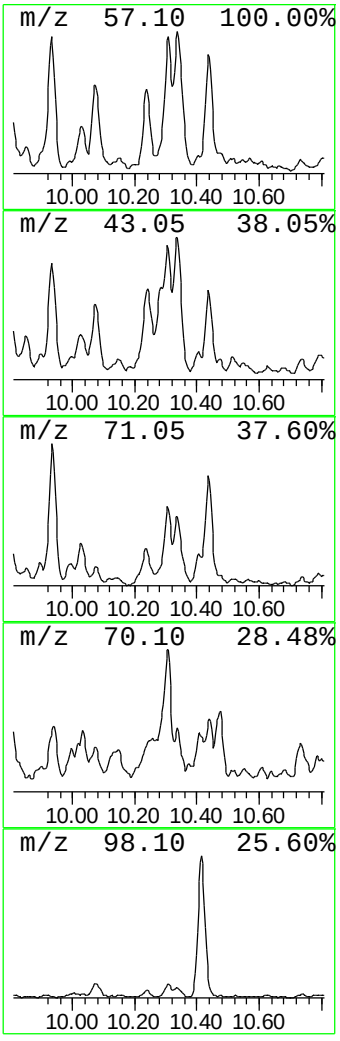
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	3.16 ug/L	64273	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	83
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	74
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	64
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
5	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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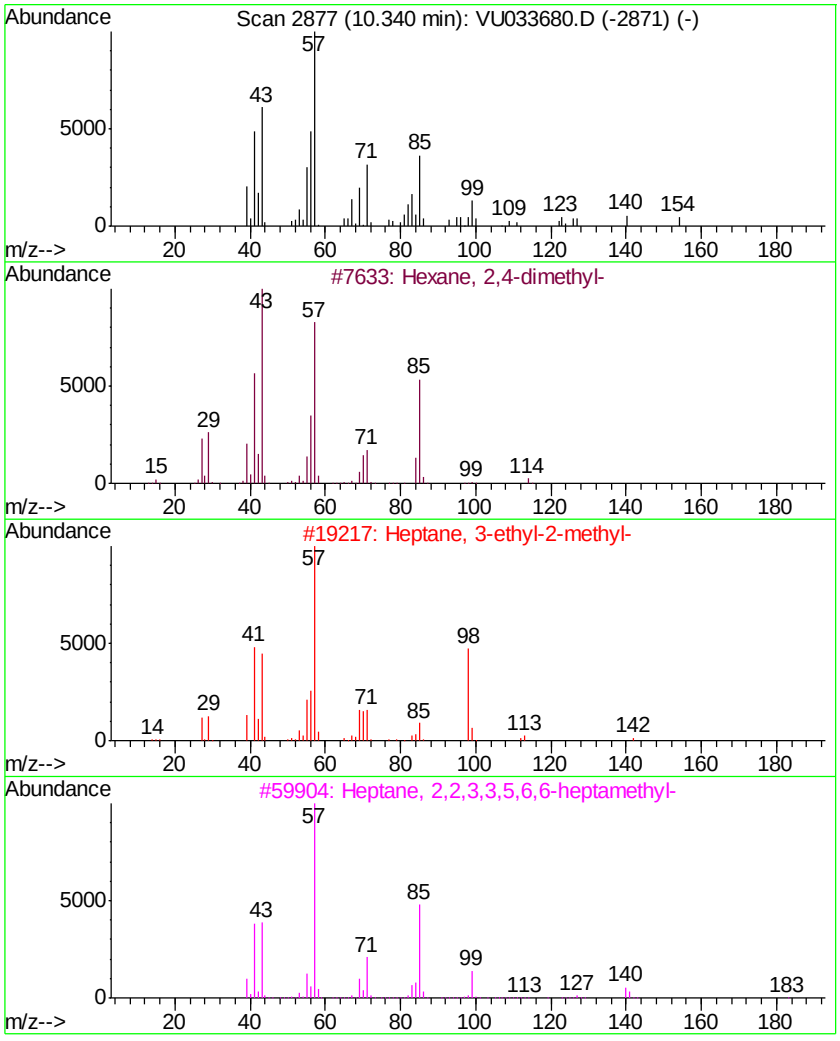
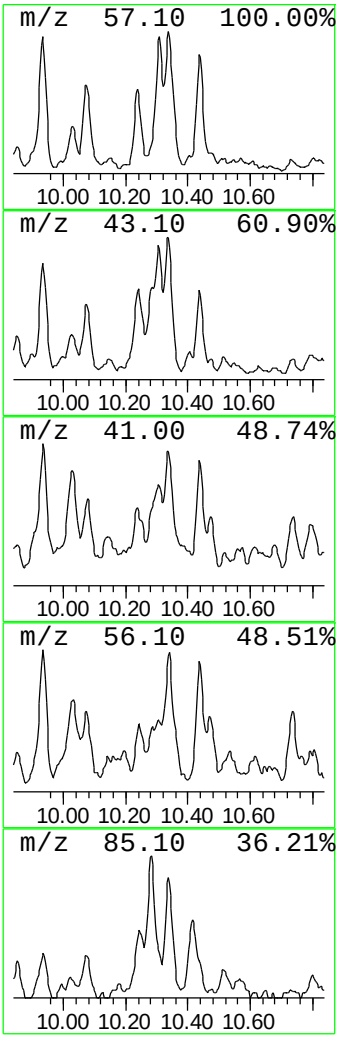
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	4.13 ug/L	84104	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
3	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	43
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	43
5	Undecane, 5,5-dimethyl-	184	C13H28	017312-73-1	43





Library Search Compound Report

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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

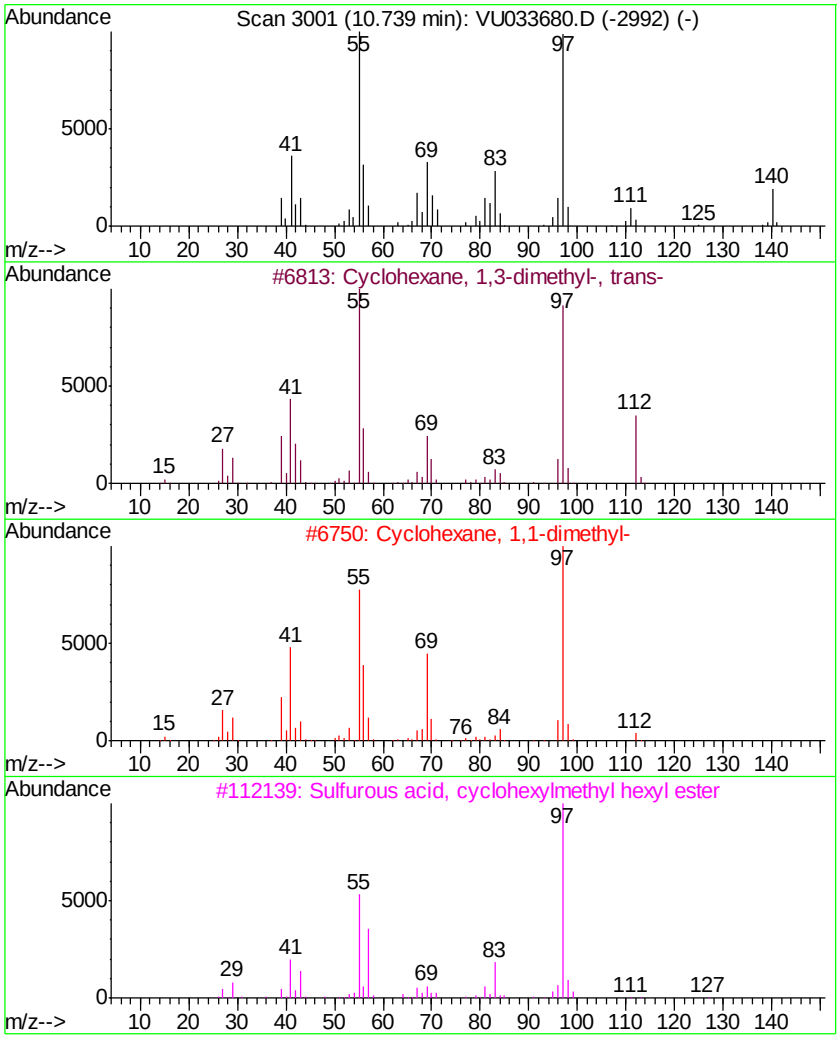
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

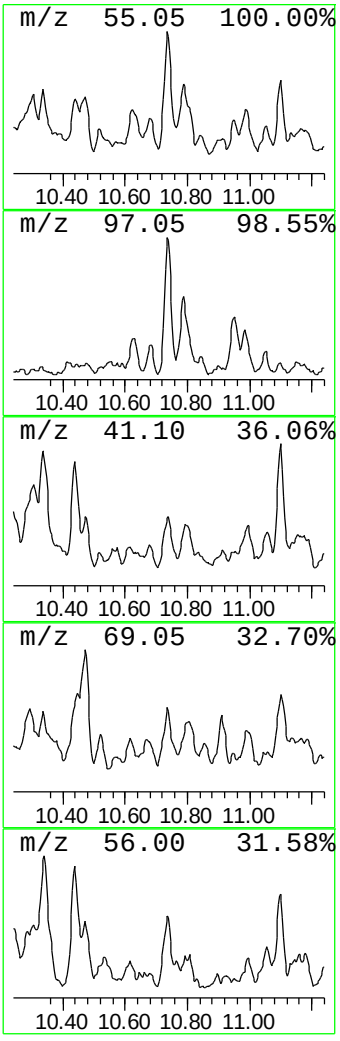
****

Peak Number 31 (DEL) Alkane: Cyclic10.74 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	3.05 ug/L	62182	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	70
3	Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-6	64
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
5	Cyclohexanepropanoic acid	156	C9H16O2	000701-97-3	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

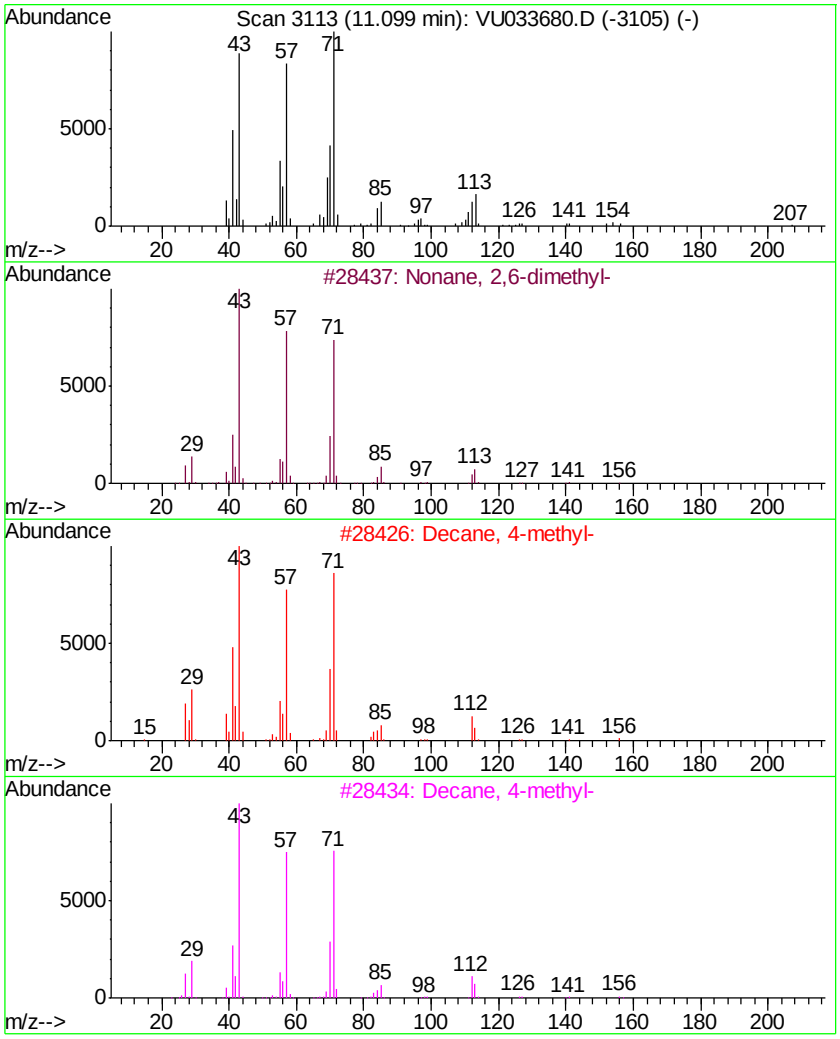
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

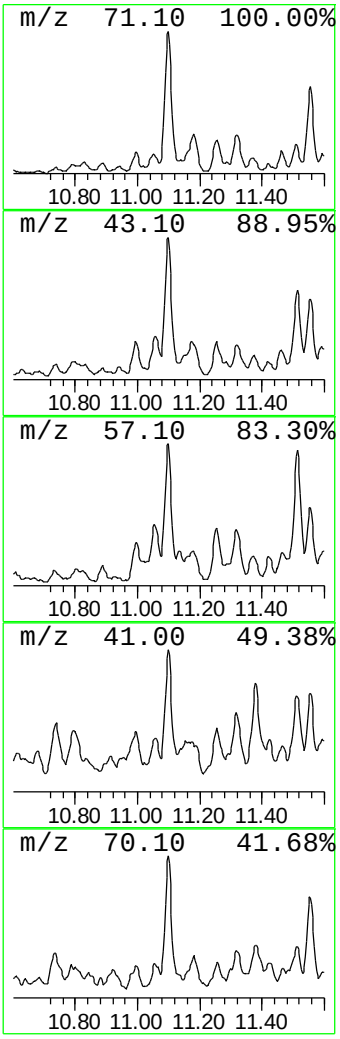
****

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	4.61 ug/L	93784	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	90
2	Decane, 4-methyl-	156	C11H24	002847-72-5	90
3	Decane, 4-methyl-	156	C11H24	002847-72-5	90
4	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	53
5	Bis(2-ethylhexyl) methylenesucci...	354	C21H38O4	002287-83-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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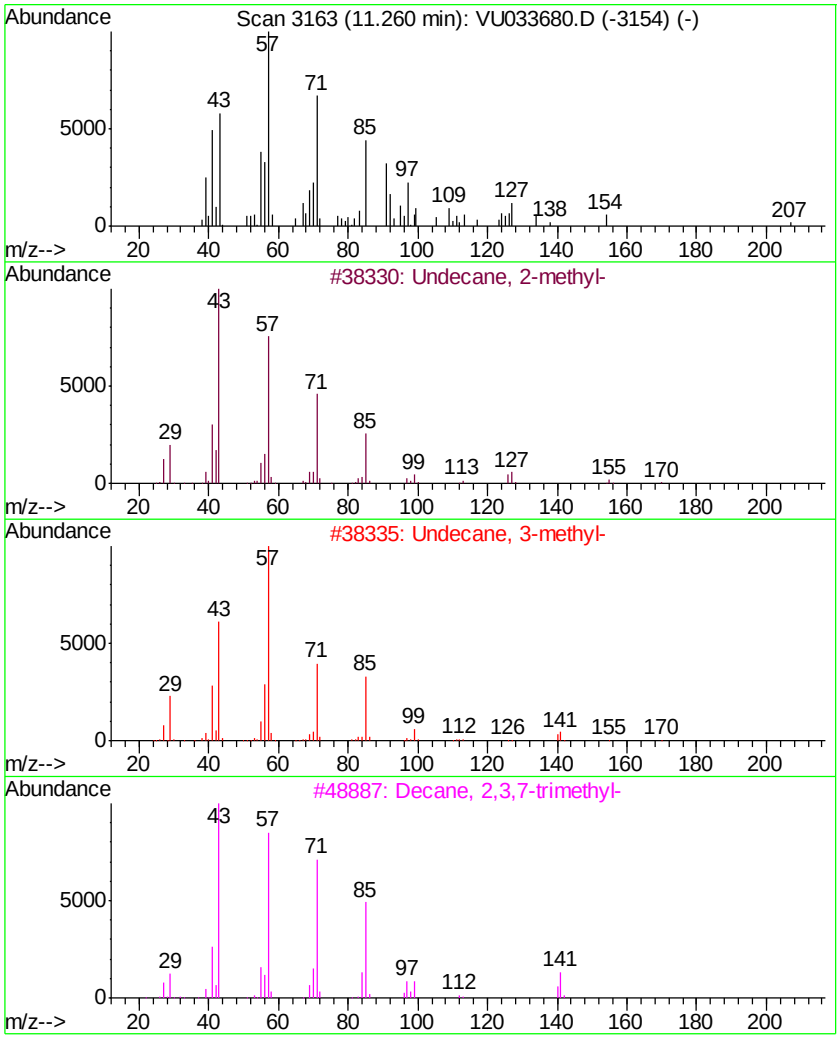
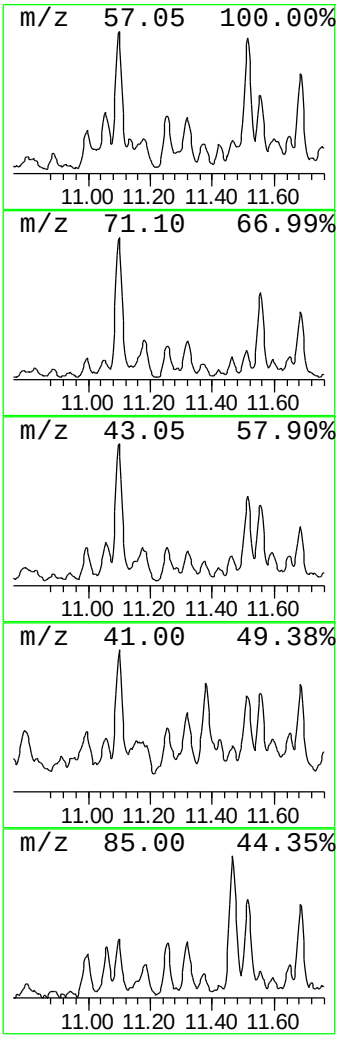
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	2.79 ug/L	56868	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	53
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	53
3	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	53
4	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	53
5	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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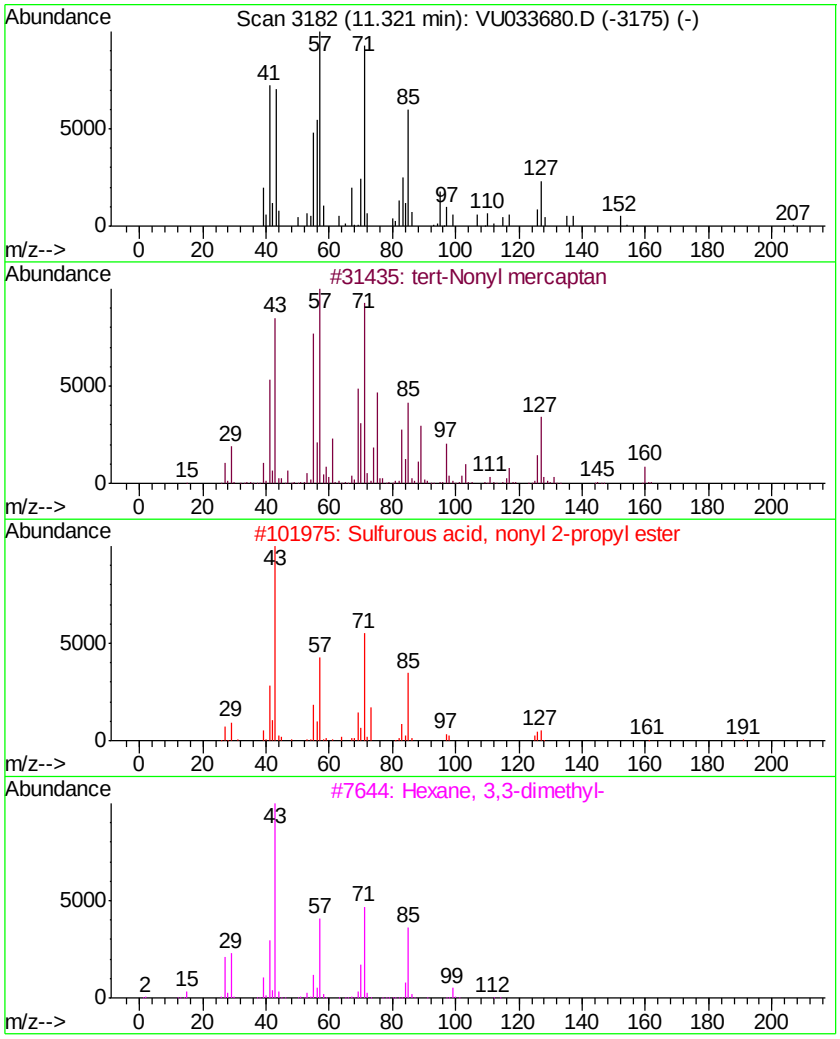
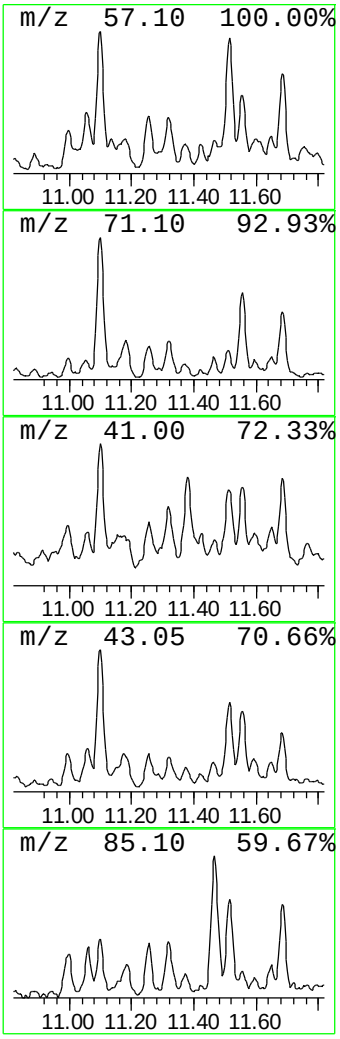
Peak Number 34 tert-Nonyl mercaptan Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	2.68 ug/L	54589	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	tert-Nonyl mercaptan	160	C9H20S	025360-10-5	59
2	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	50
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	47
4	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	43
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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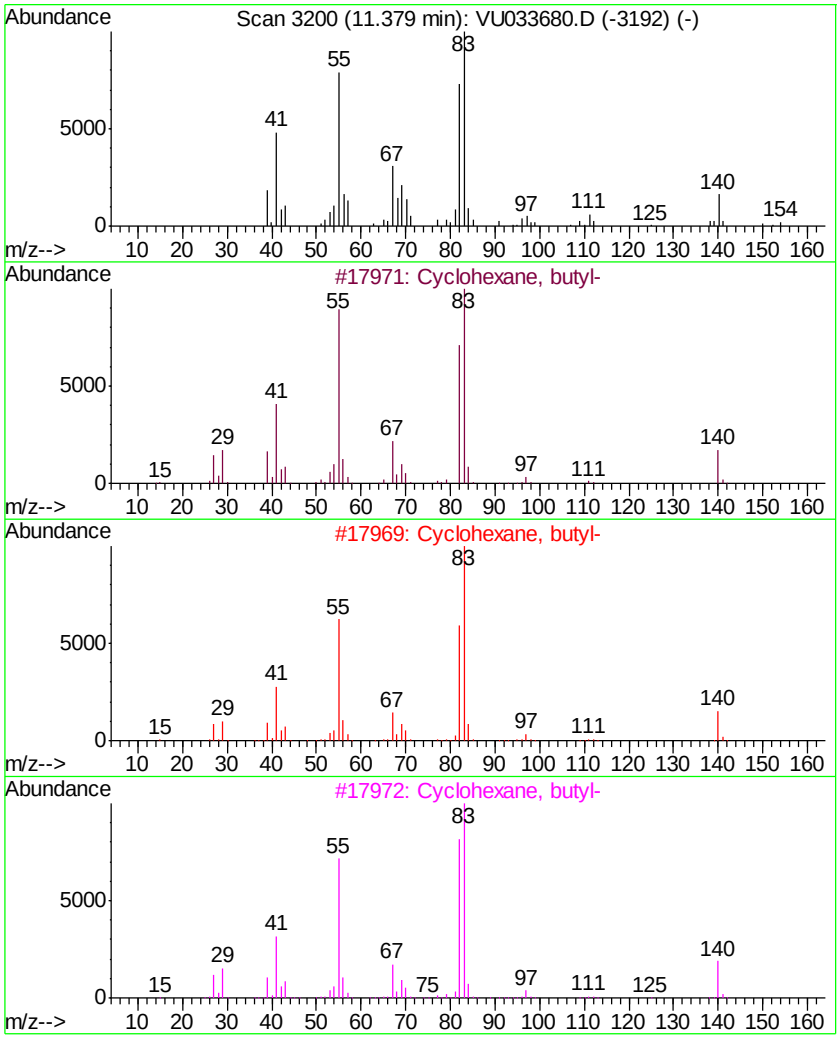
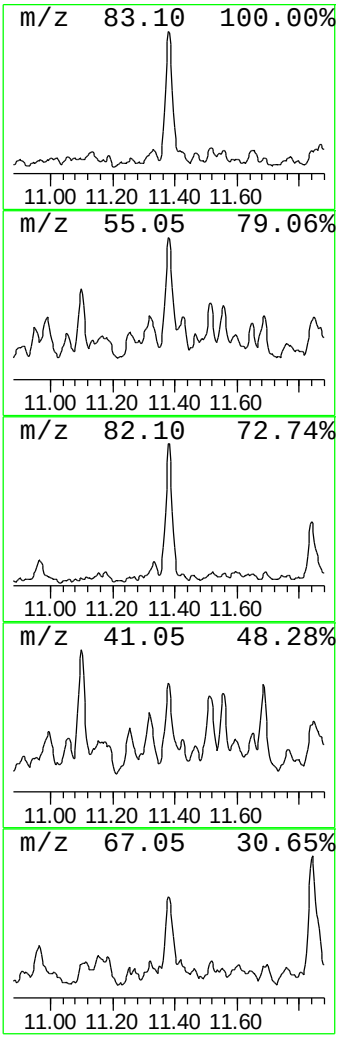
Peak Number 35 (DEL) Alkane: Cyclic11.38 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	3.76 ug/L	76502	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	83
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	81
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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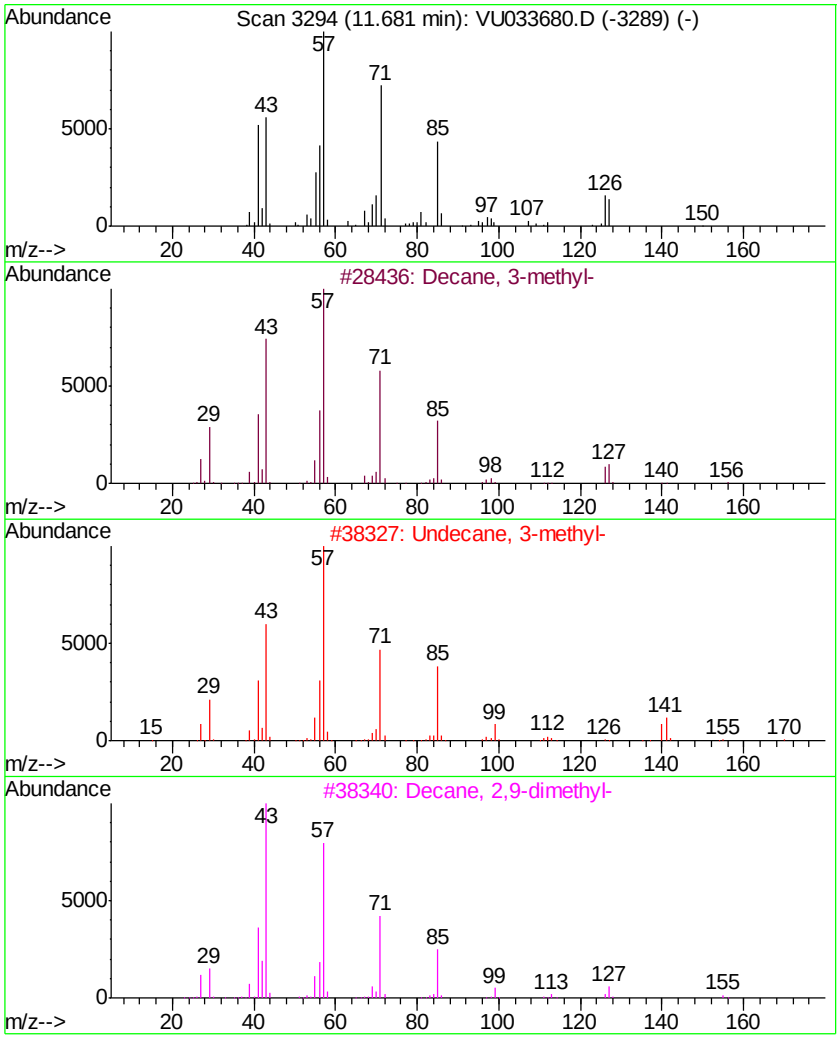
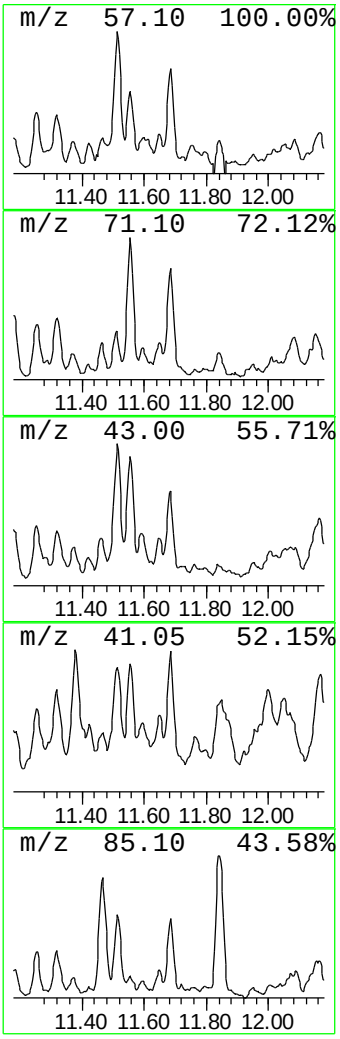
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	3.16 ug/L	64392	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	83
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	72
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59
4	Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	58
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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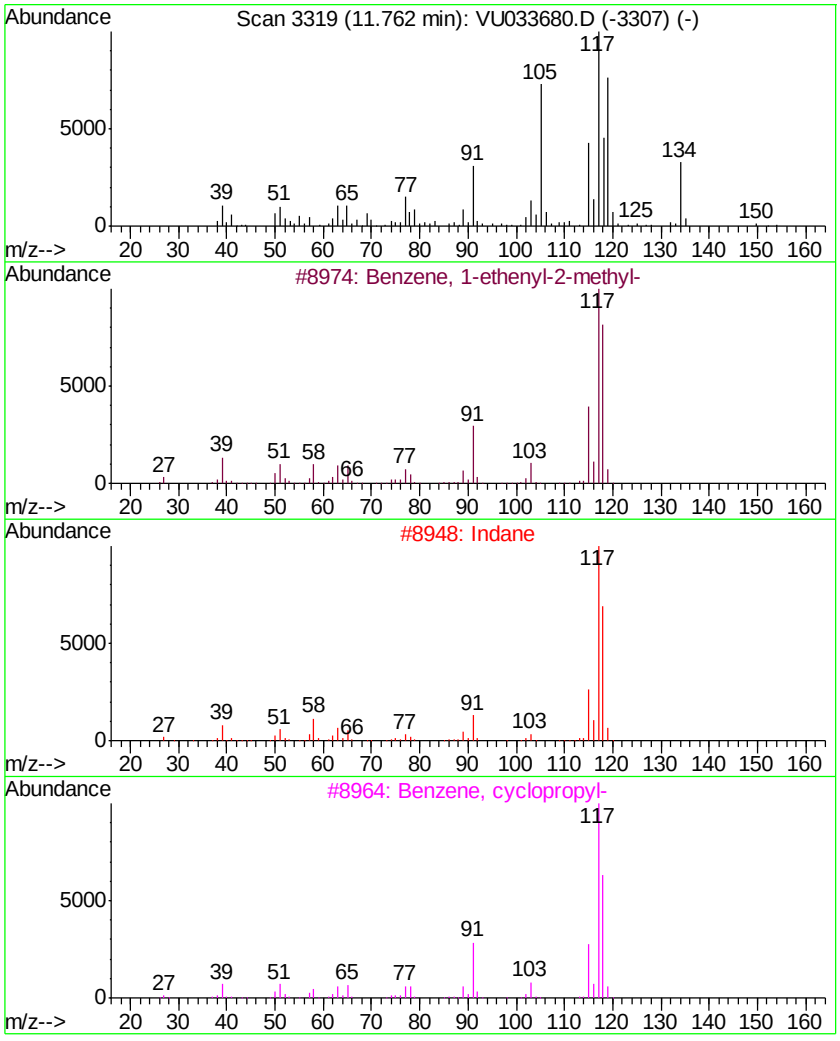
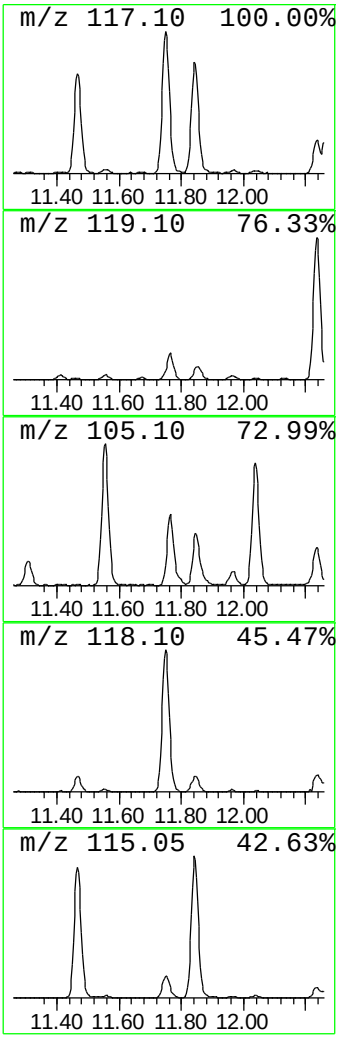
Peak Number 38 Benzene, 1-ethenyl-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	11.24 ug/L	228761	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
2	Indane	118	C9H10	000496-11-7	60
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
4	Indane	118	C9H10	000496-11-7	55
5	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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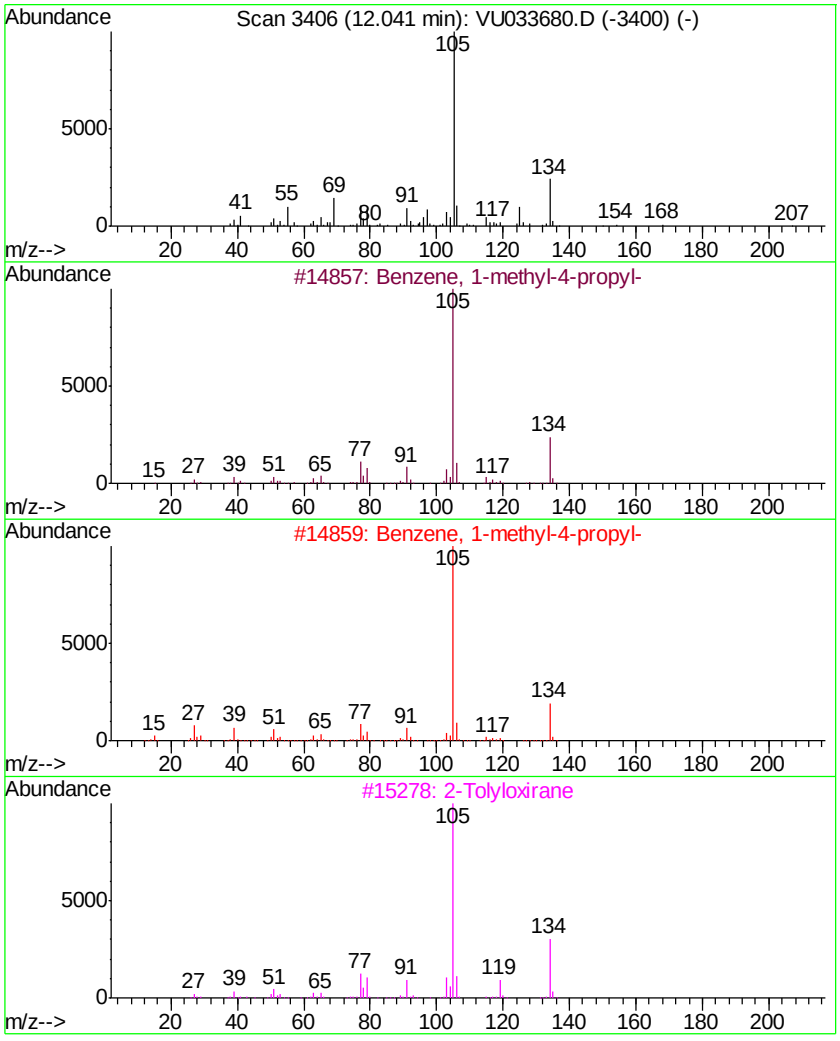
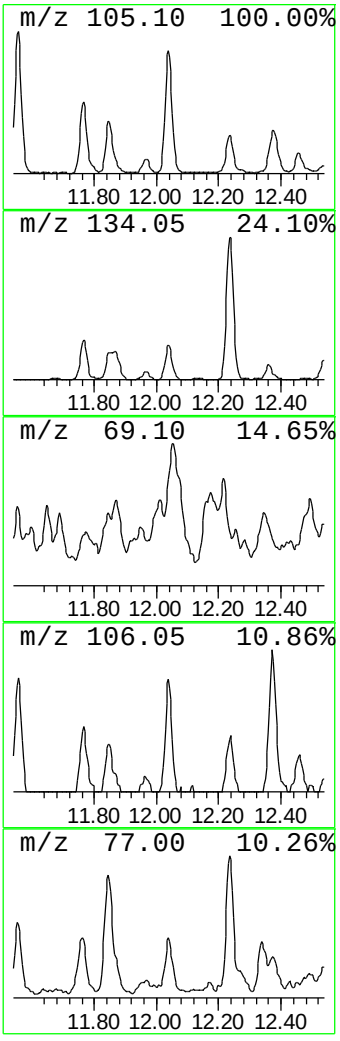
Peak Number 39 Benzene, 1-methyl-4-propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	8.49 ug/L	172791	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	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
3	2-Tolyloxirane	134	C9H10O	002783-26-8	81
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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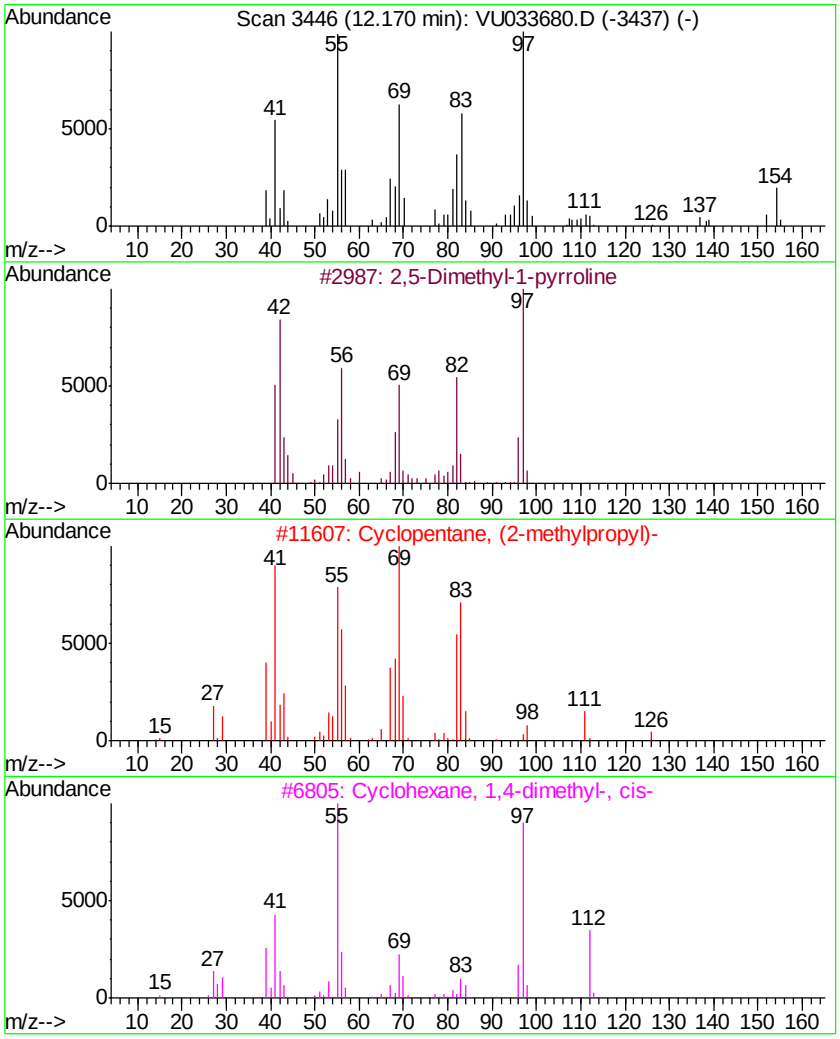
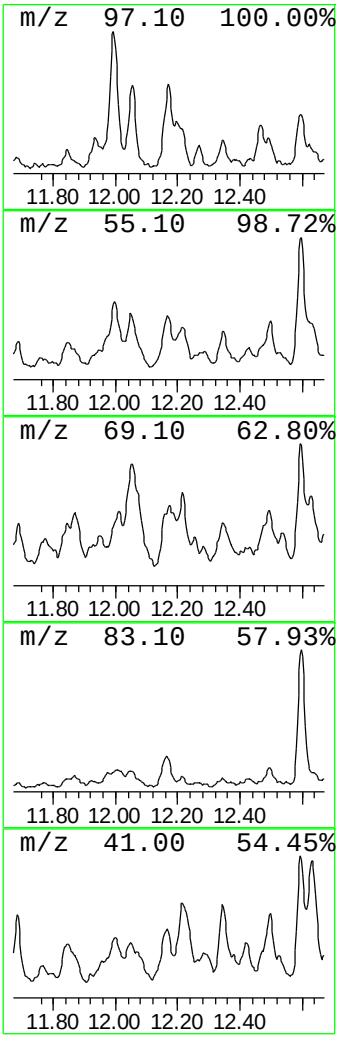
Peak Number 40 2,5-Dimethyl-1-pyrroline Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.54 ug/L	51643	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	52
2	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	38
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	35
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	30
5	4-Butyl-cyclohexanone	154	C10H18O	061203-82-5	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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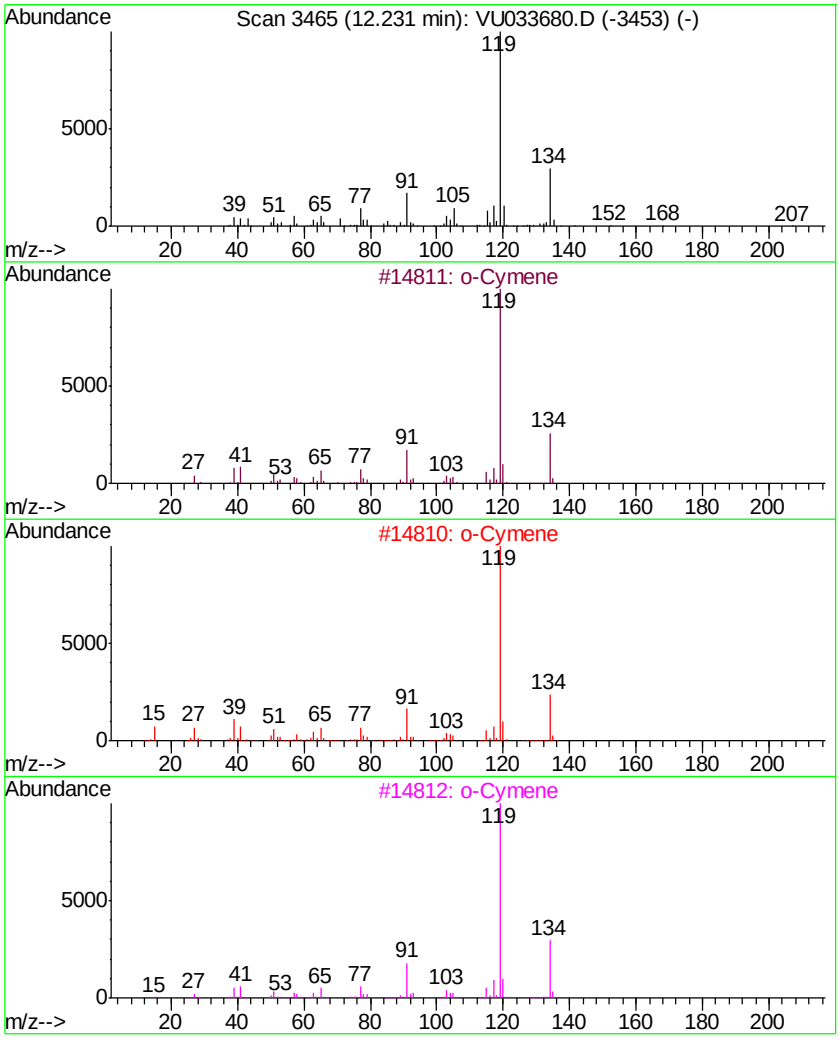
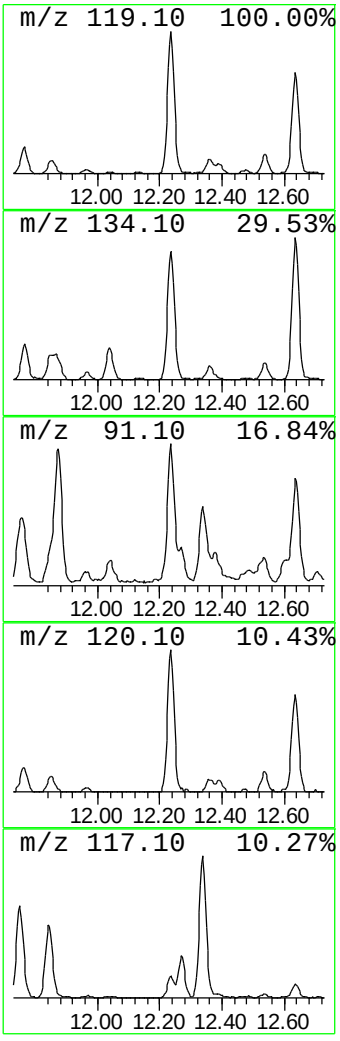
Peak Number 41 o-Cymene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	15.97 ug/L	325189	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	o-Cymene	134	C10H14	000527-84-4	97
3	o-Cymene	134	C10H14	000527-84-4	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	p-Cymene	134	C10H14	000099-87-6	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

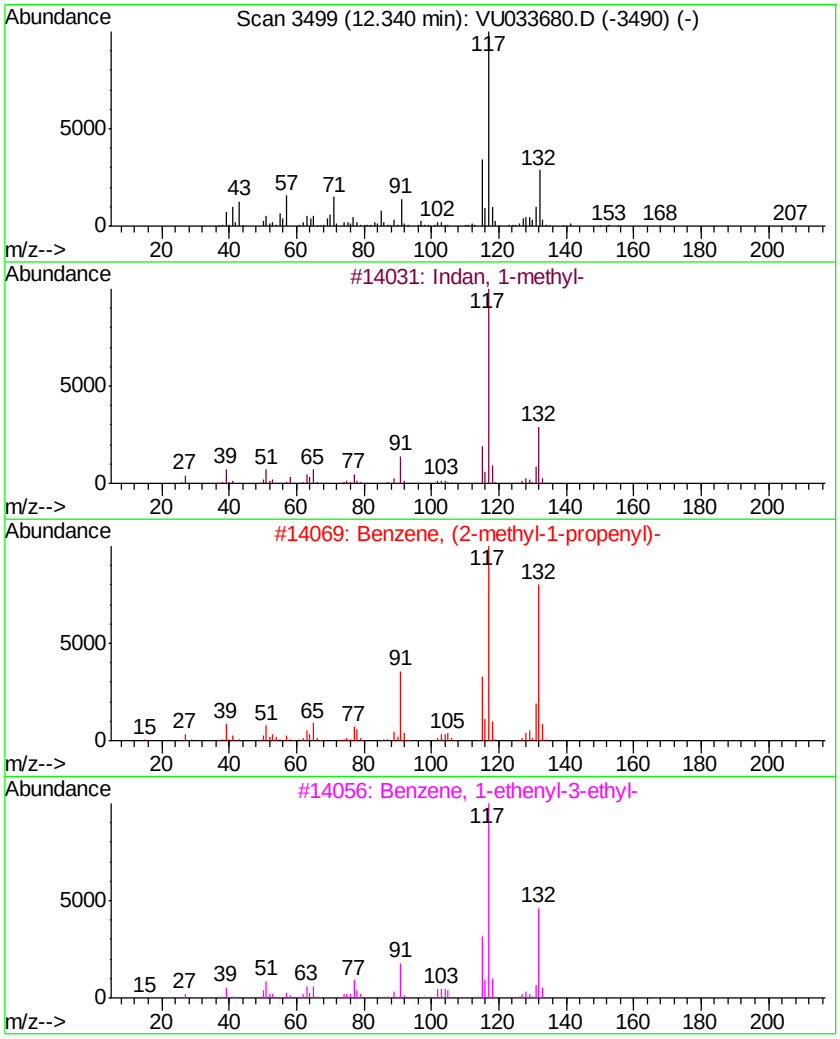
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

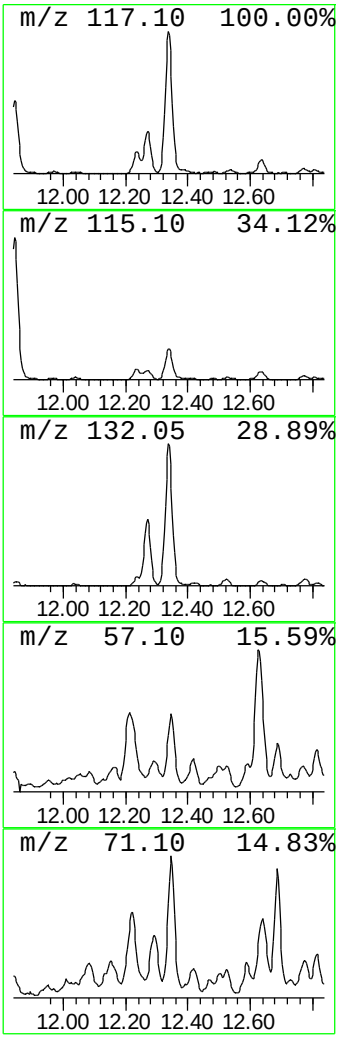
****

Peak Number 42 Indan, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	16.76 ug/L	341183	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	91
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83





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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

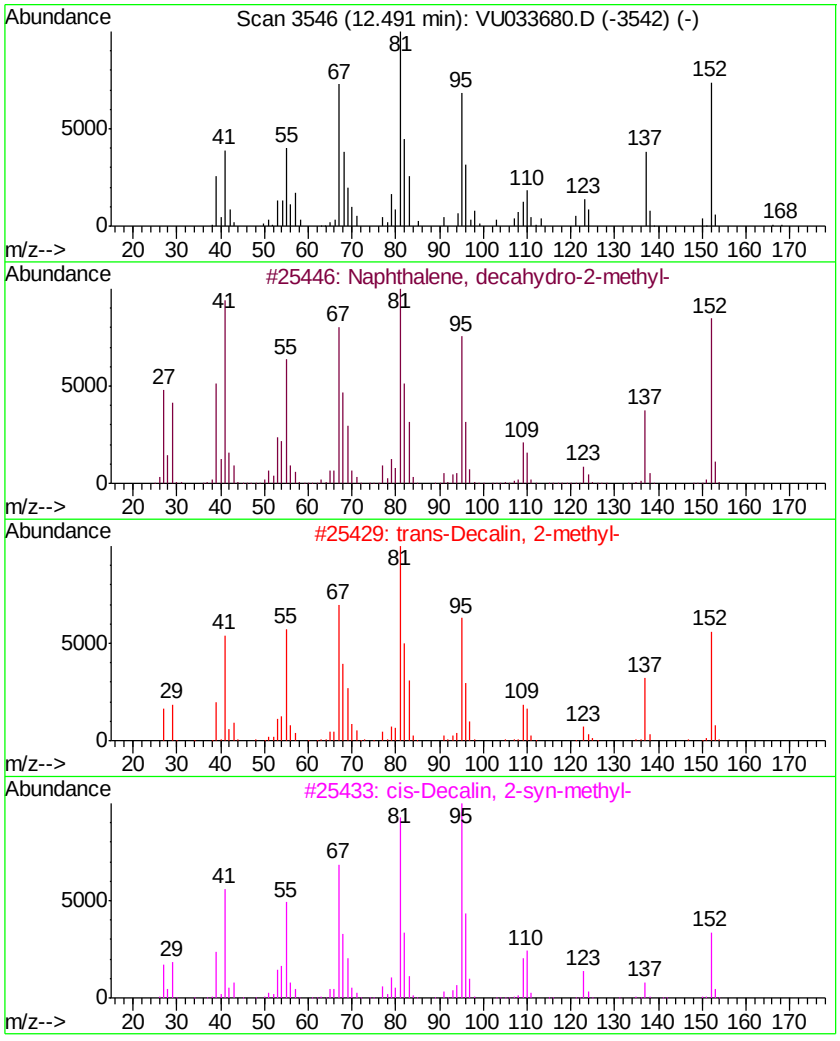
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

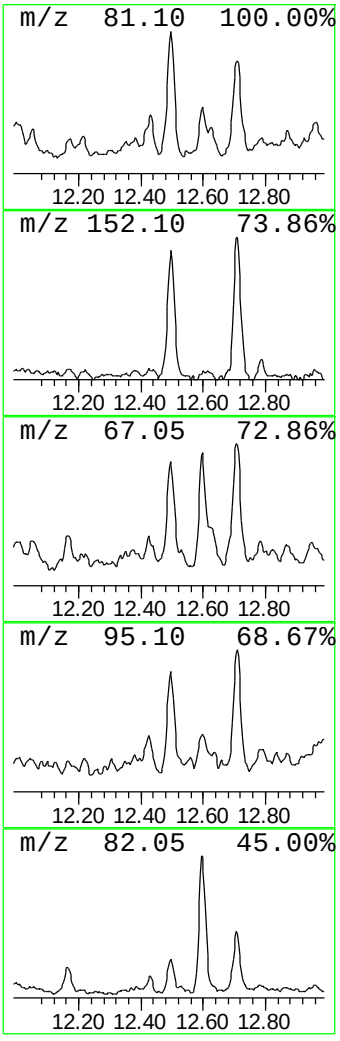
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Naphthalene, decahydro-2-me... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.54 ug/L	51711	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	86
4	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	76
5	Pulegone	152	C10H16O	000089-82-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

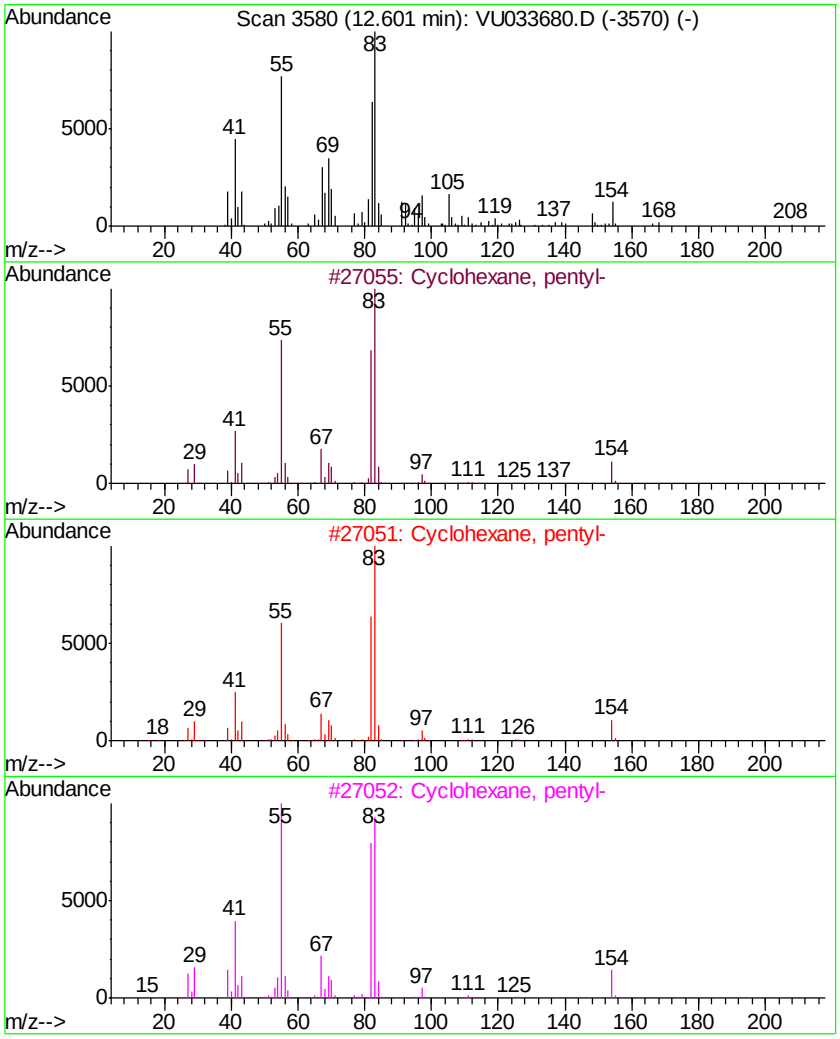
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

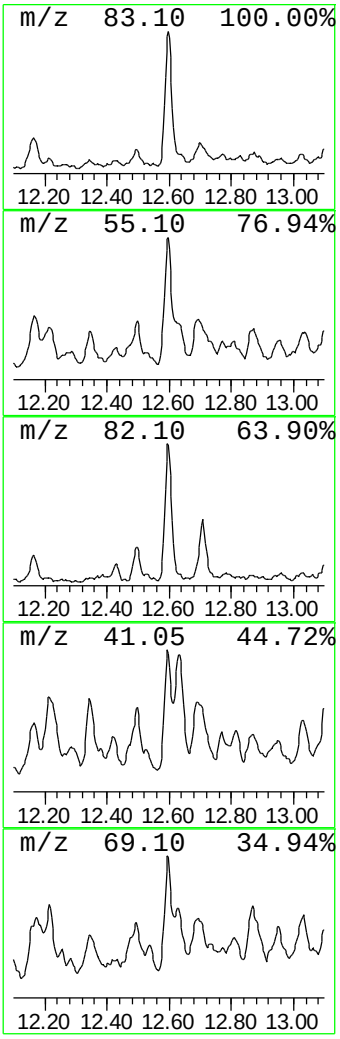
****

Peak Number 44 (DEL) Alkane: Cyclic12.60 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	8.49 ug/L	172832	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	64
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

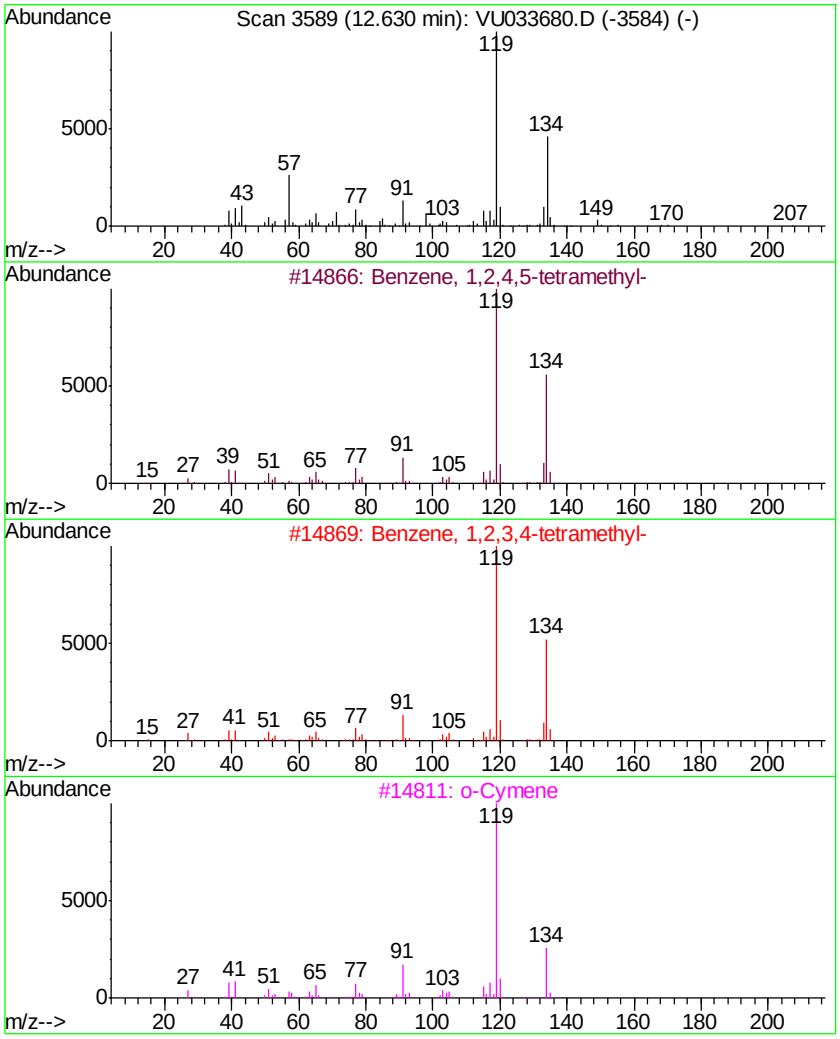
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

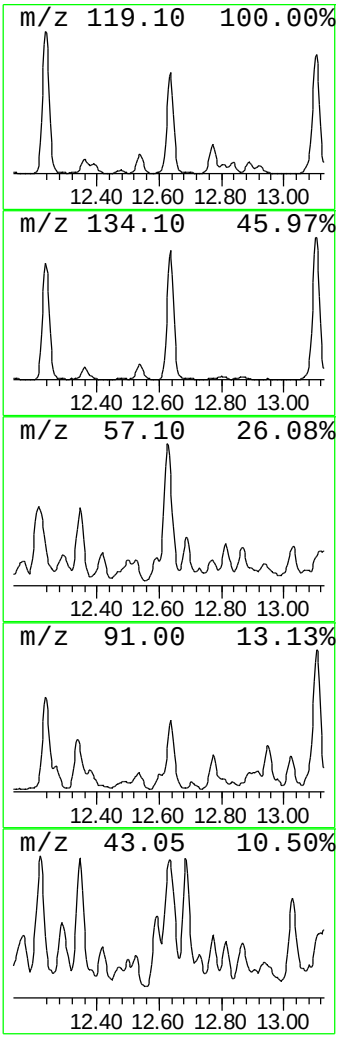
****

Peak Number 45 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	15.78 ug/L	321254	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	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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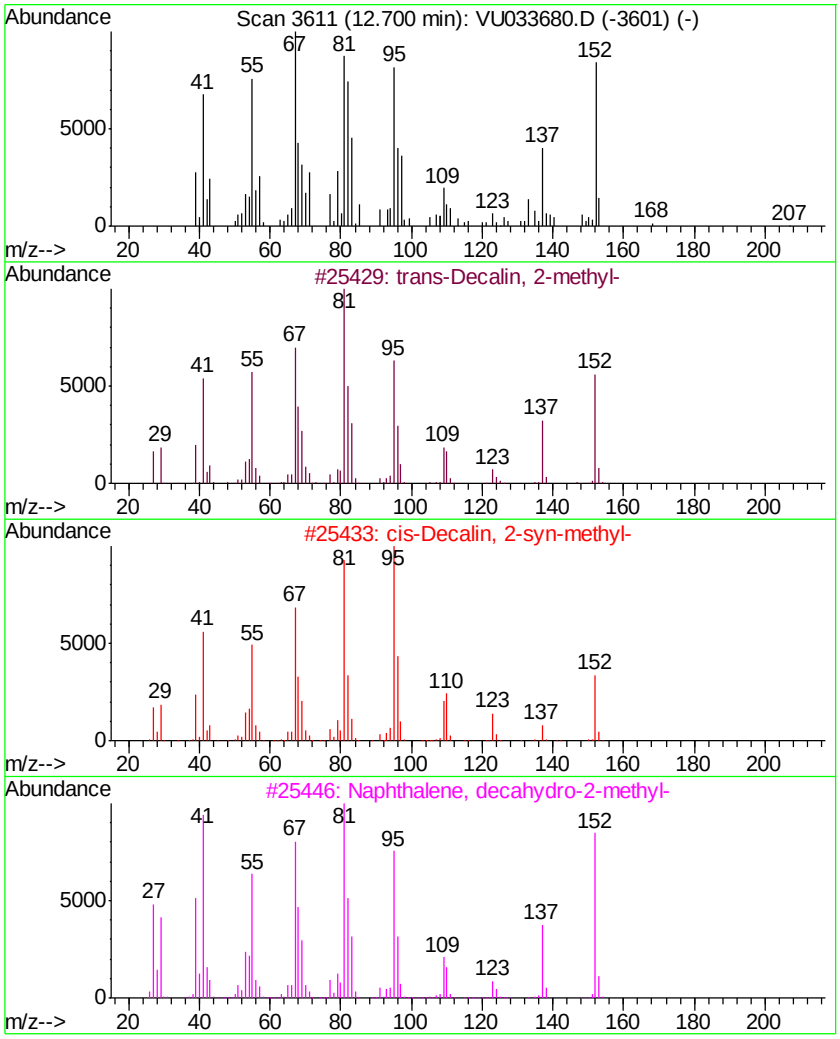
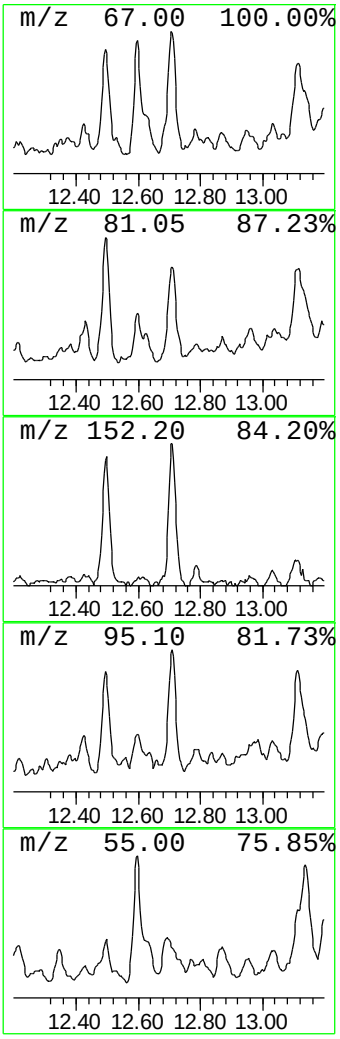
Peak Number 46 trans-Decalin, 2-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	7.62 ug/L	155222	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
2	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	74
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	68
4	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	64
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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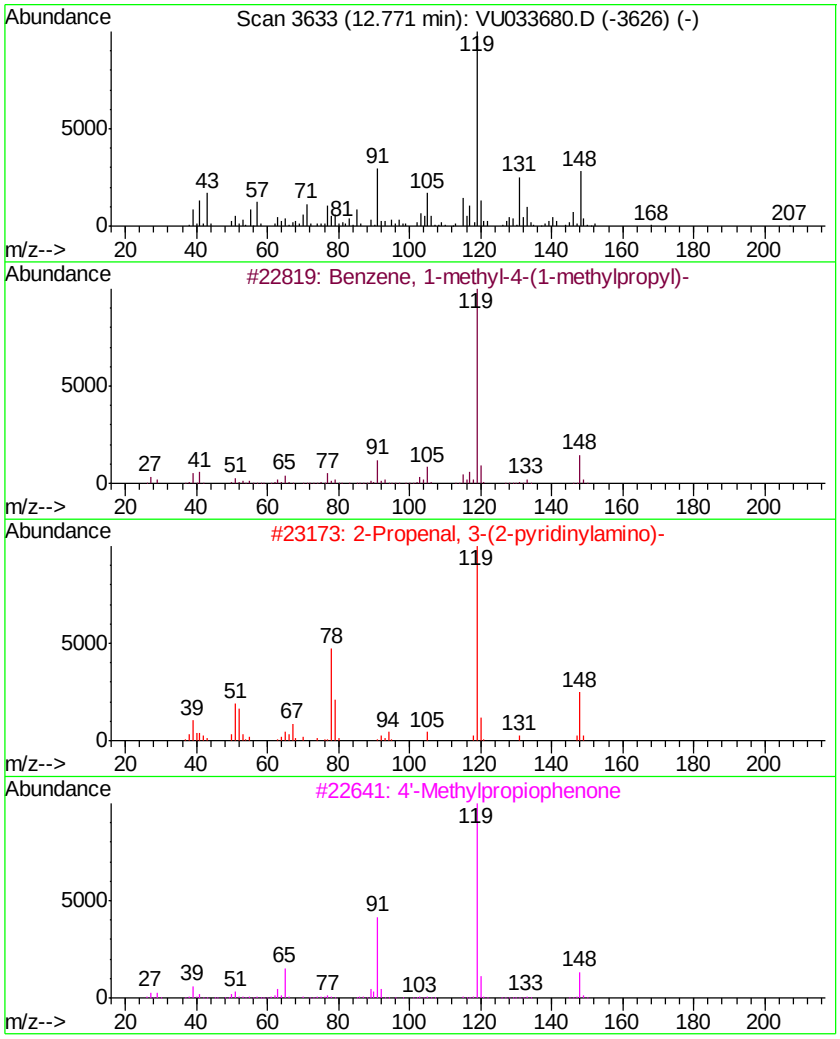
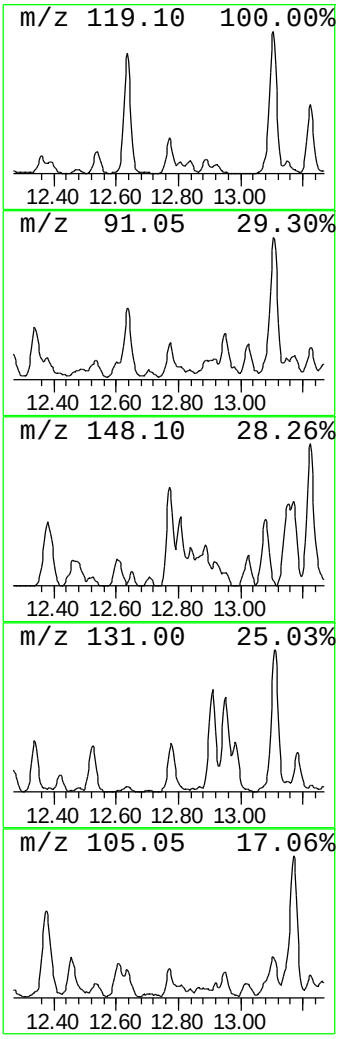
Peak Number 47 Benzene, 1-methyl-4-(1-meth... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	5.19 ug/L	105646	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
2	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	58
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	58
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	58
5	o-Cymene	134	C10H14	000527-84-4	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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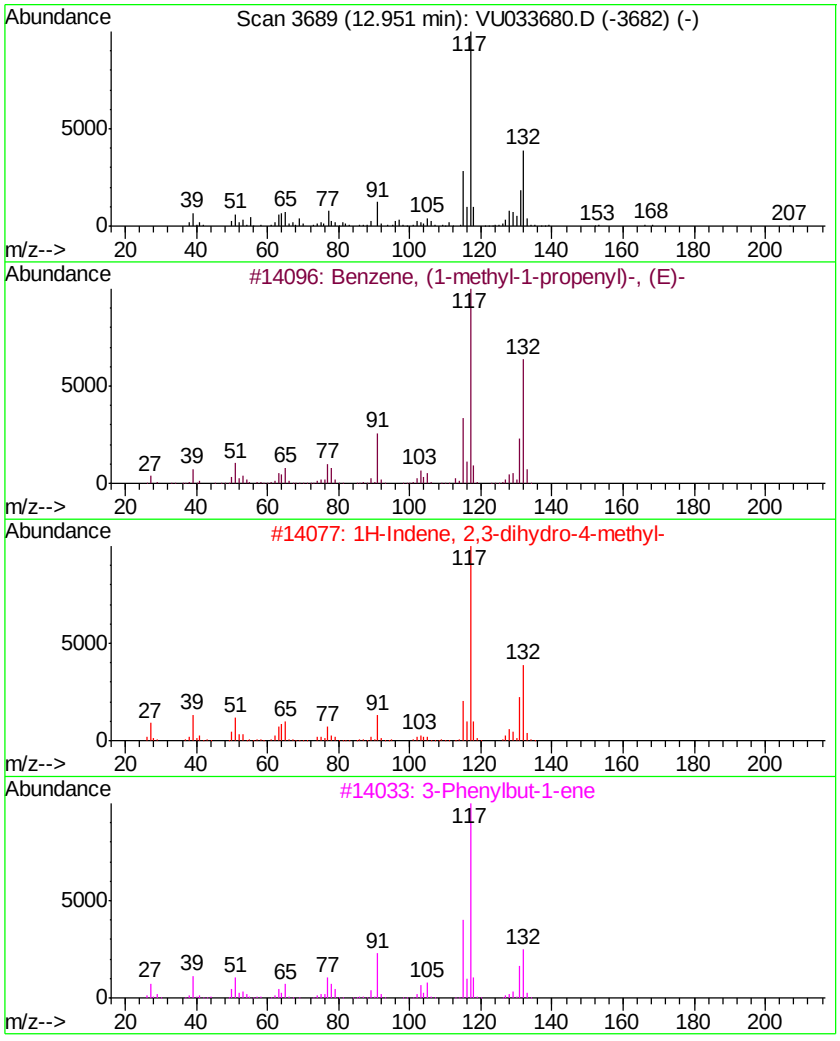
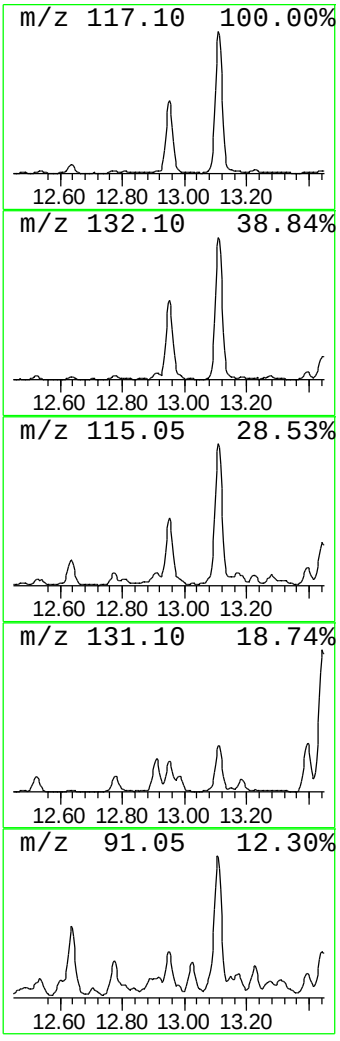
Peak Number 48 Benzene, (1-methyl-1-propen... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	10.76 ug/L	219008	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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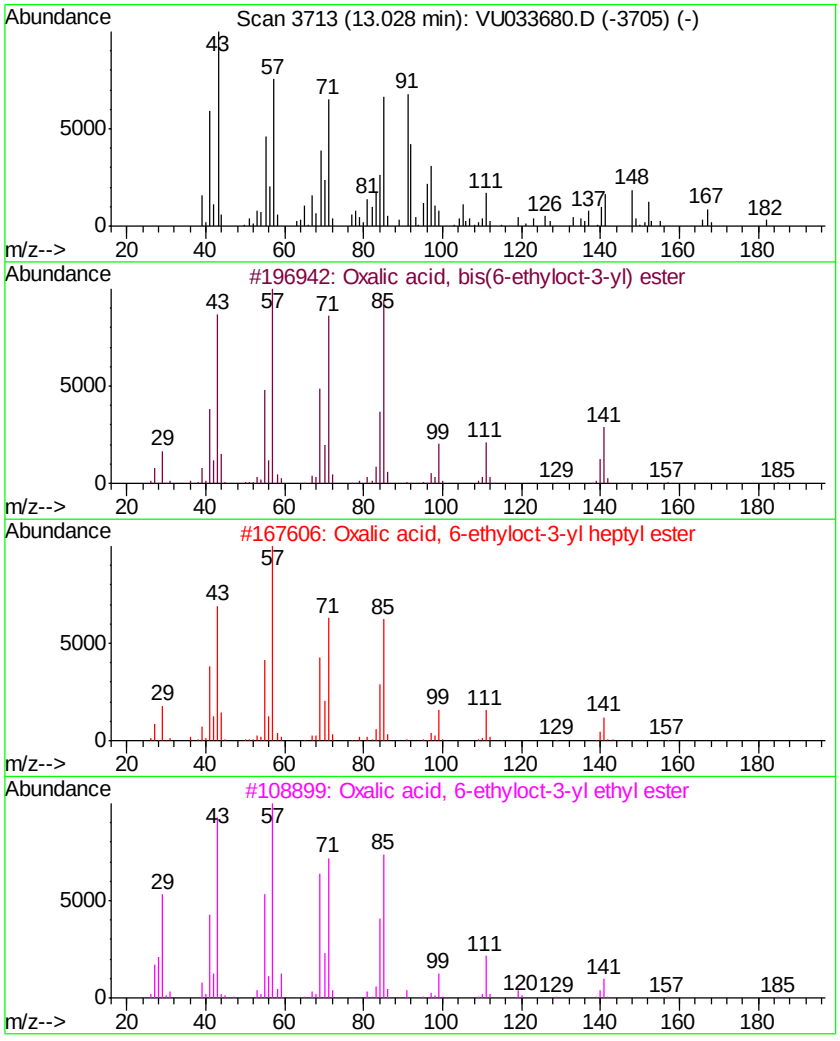
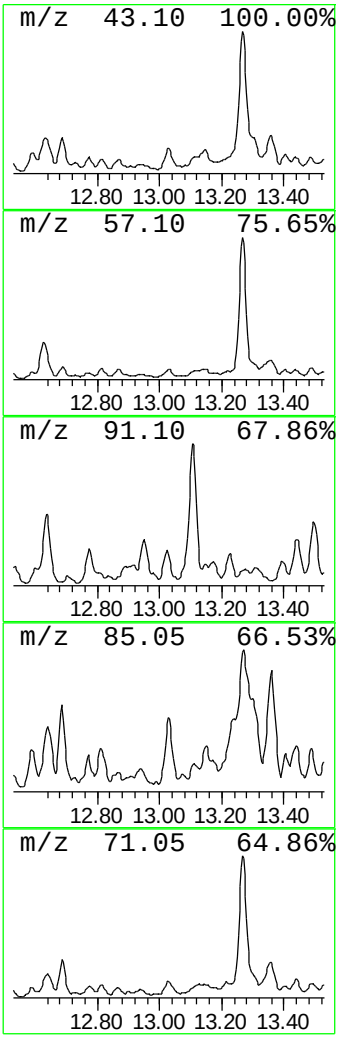
Peak Number 49 unknown-02 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	3.67 ug/L	74823	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, bis(6-ethyloct-3-yl...	370	C22H42O4	1000309-34-6	46
2	Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	38
3	Oxalic acid, 6-ethyloct-3-yl eth...	258	C14H26O4	1000309-33-9	38
4	Oxalic acid, 6-ethyloct-3-yl hex...	314	C18H34O4	1000309-34-4	35
5	Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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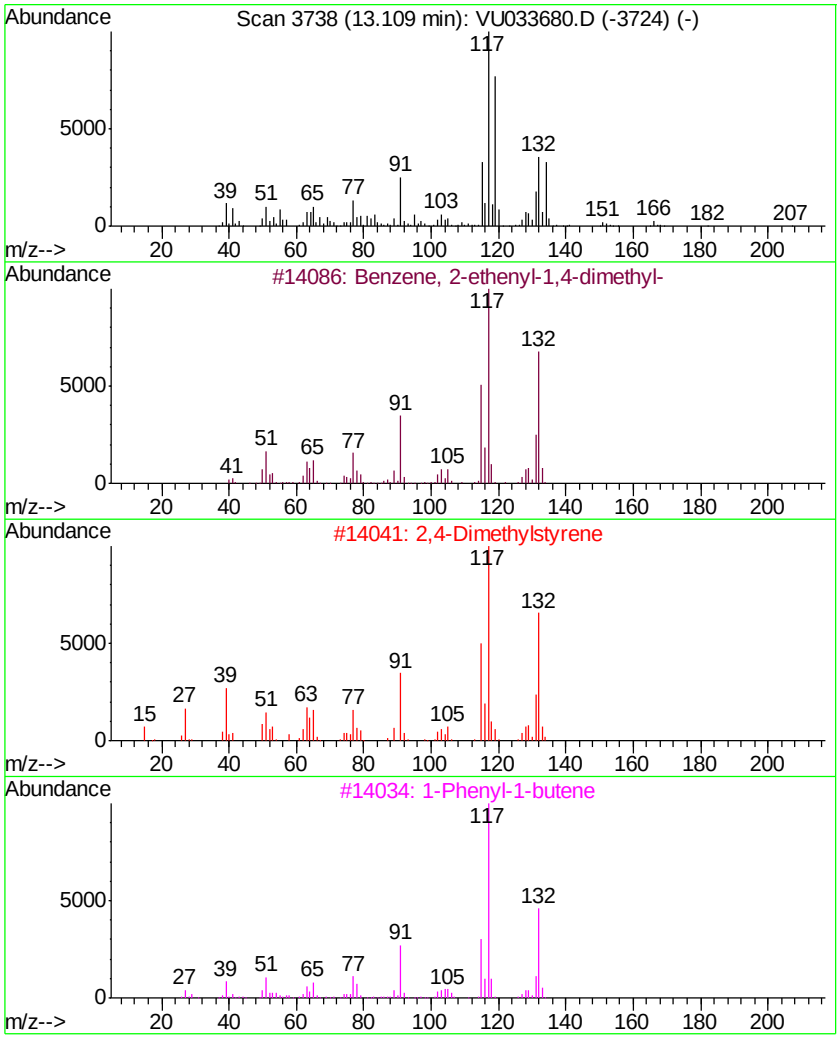
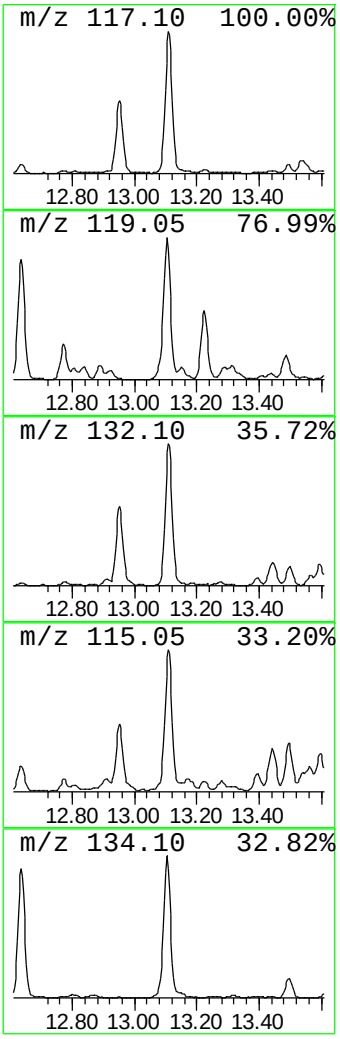
Peak Number 50 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	44.81 ug/L	912487	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	94
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	92
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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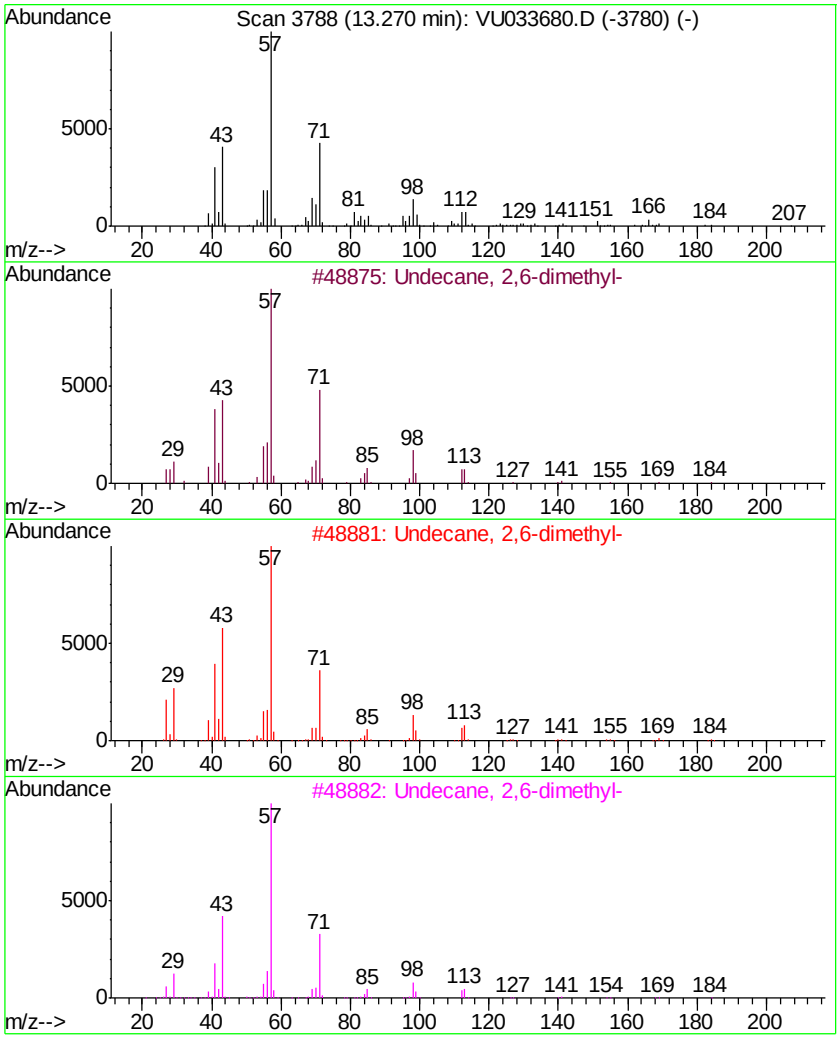
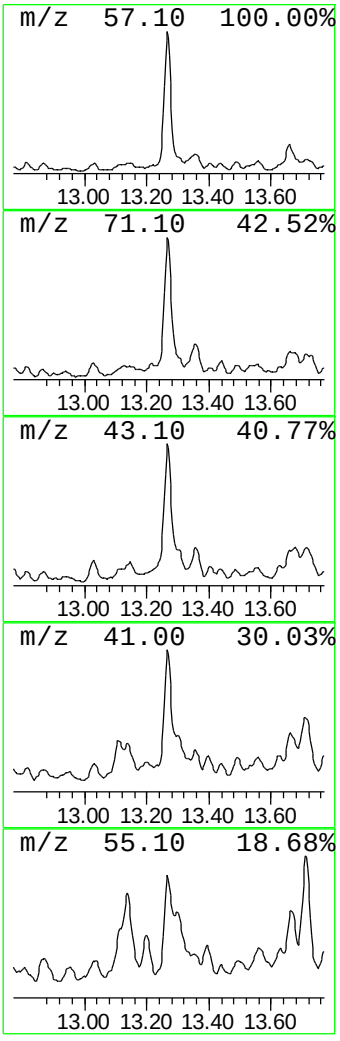
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	19.22 ug/L	391420	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	87
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	62





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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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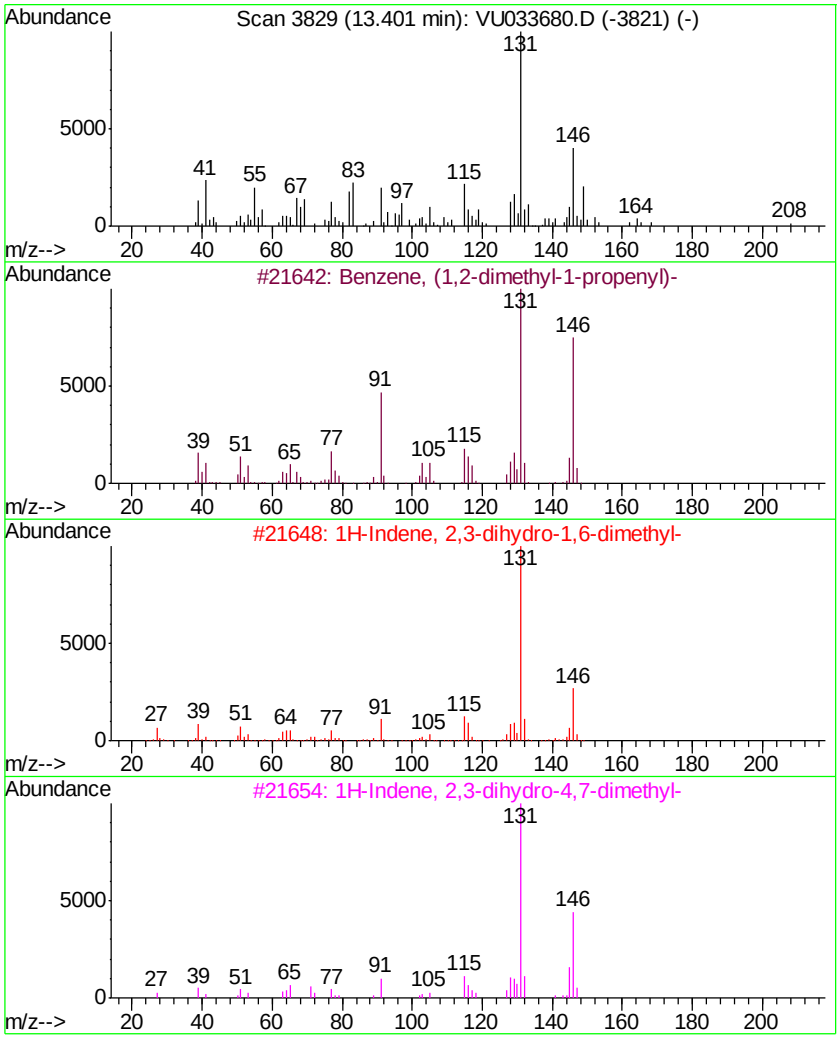
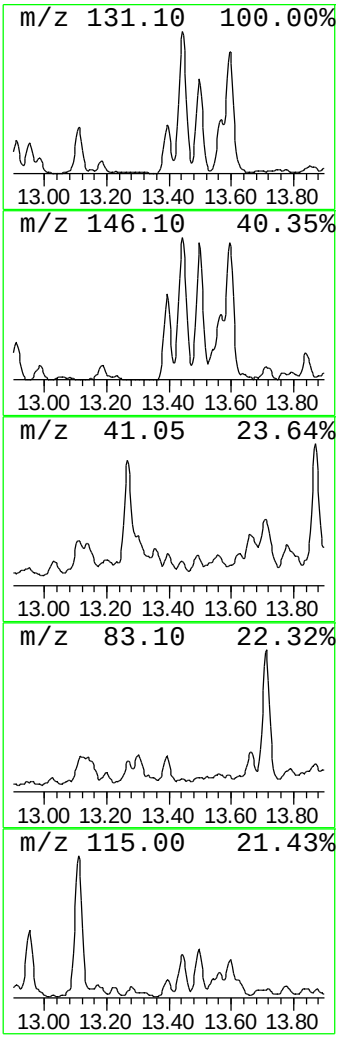
Peak Number 52 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	4.31 ug/L	87791	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	87
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	83
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
4	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	81
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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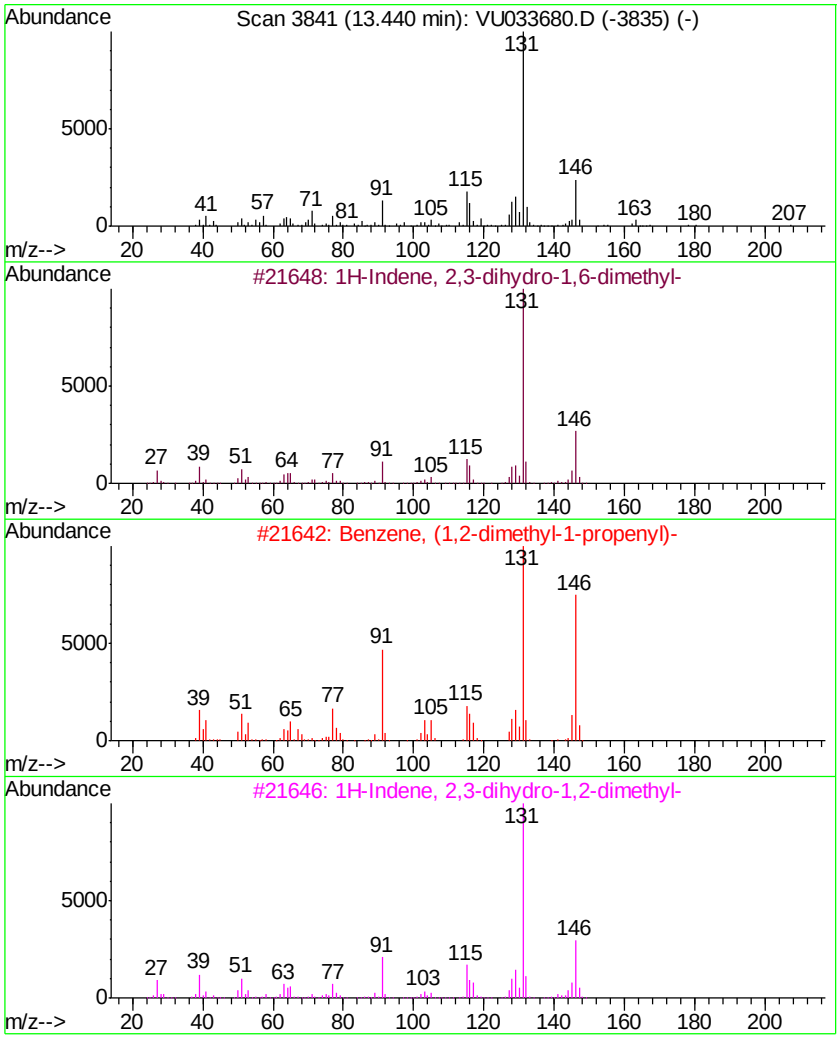
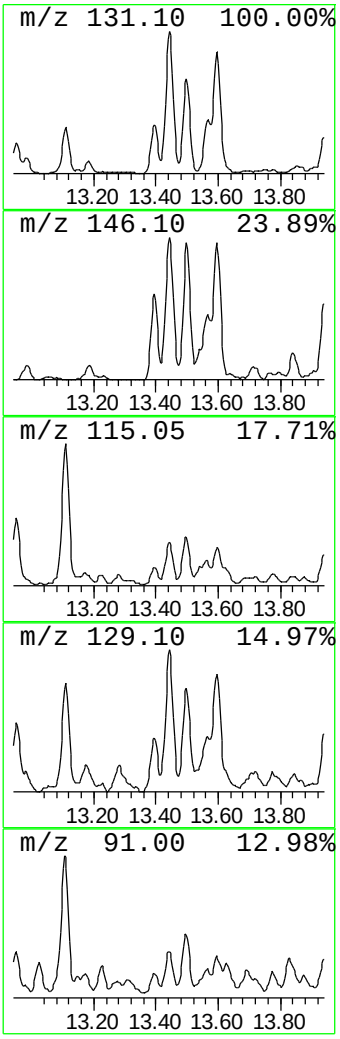
Peak Number 53 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	7.84 ug/L	159729	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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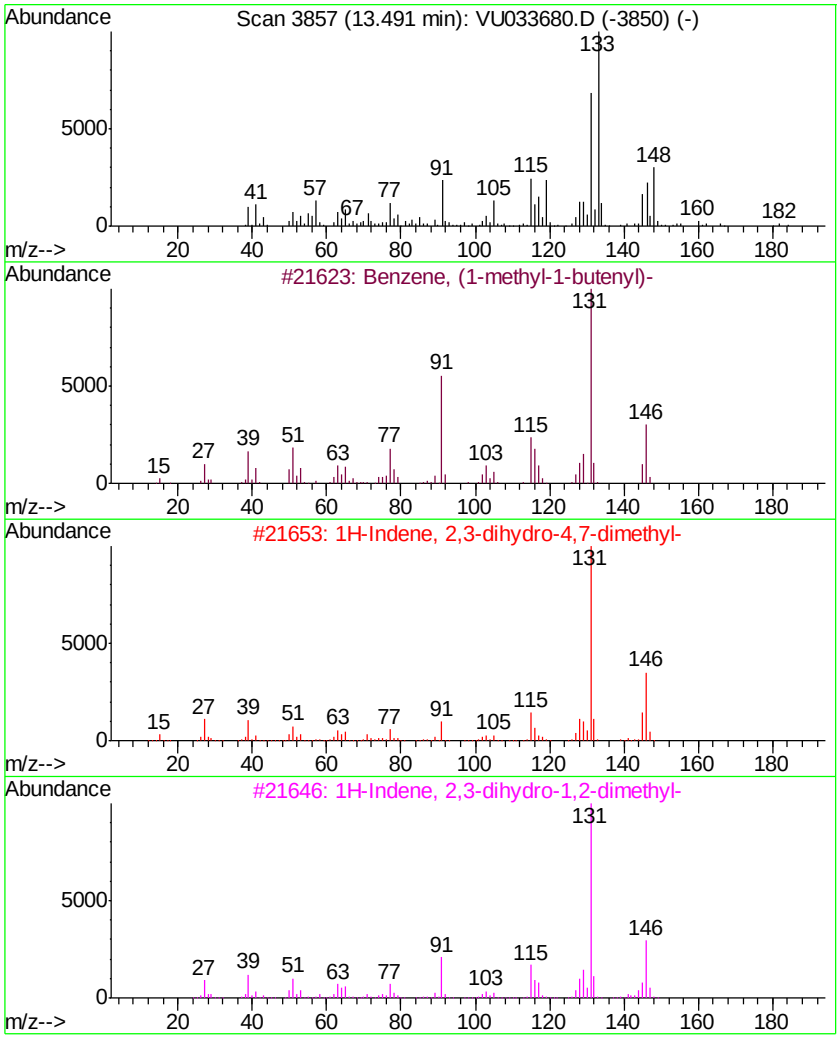
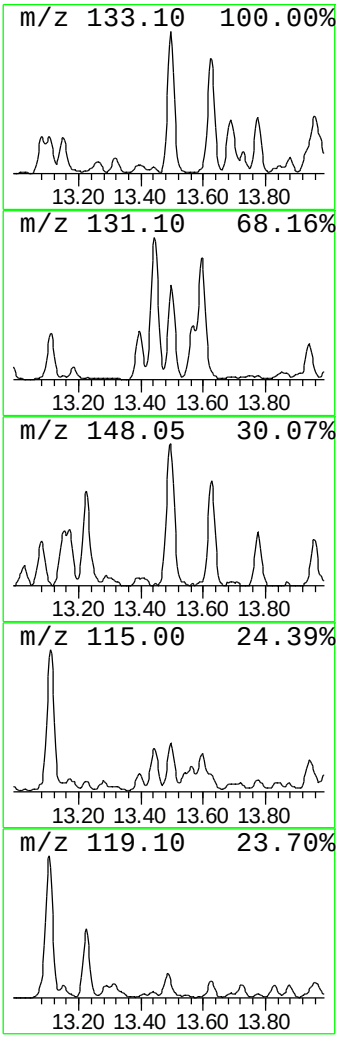
Peak Number 54 Benzene, (1-methyl-1-butenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	12.68 ug/L	258179	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	50
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	50
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	50
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50





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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

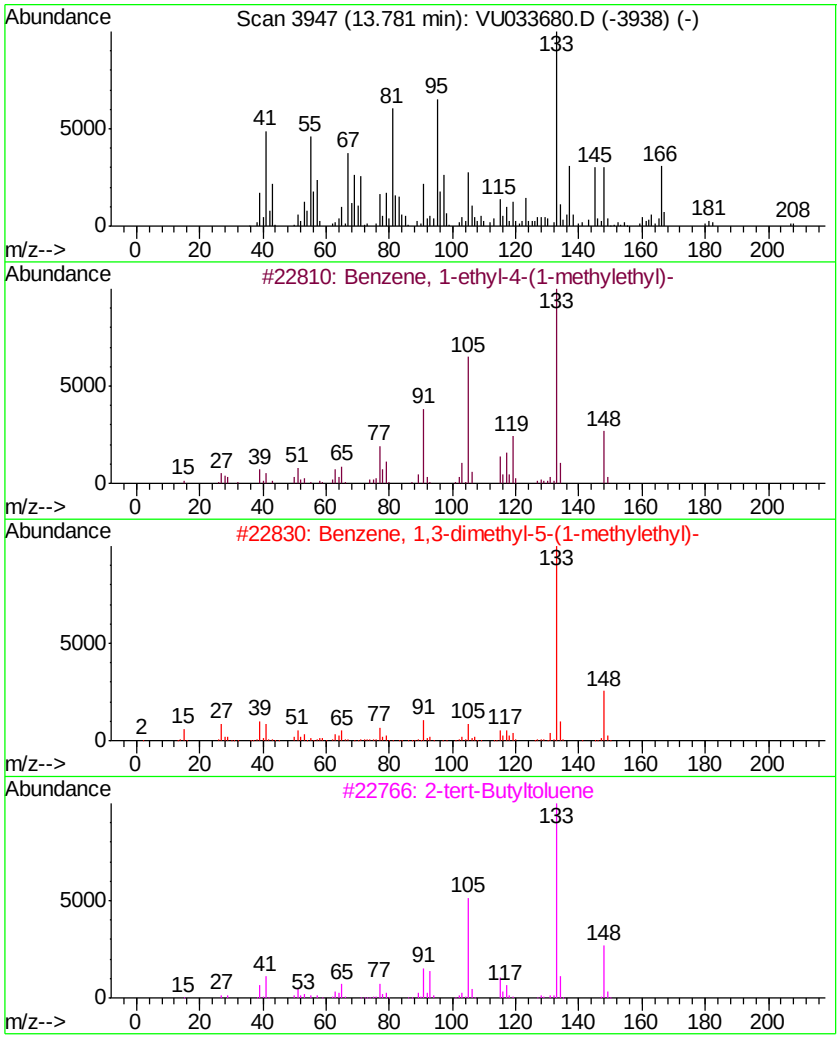
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

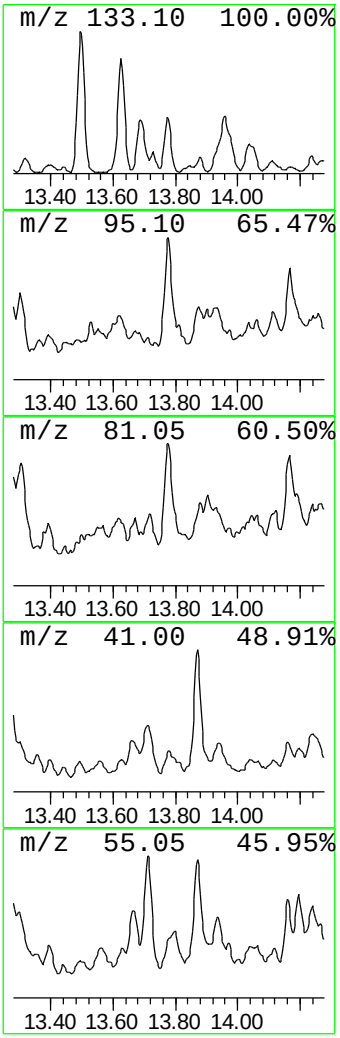
****

Peak Number 55 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	10.52 ug/L	214292	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	55
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	55
3	2-tert-Butyltoluene	148	C11H16	001074-92-6	50
4	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	50
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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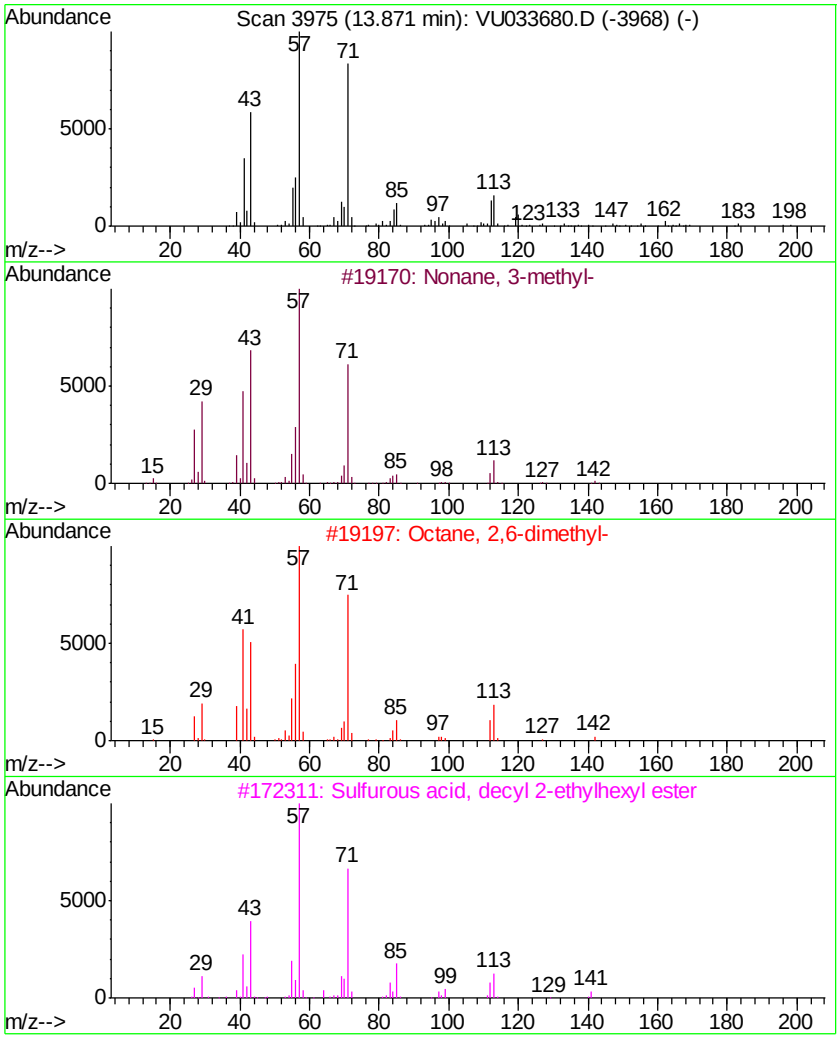
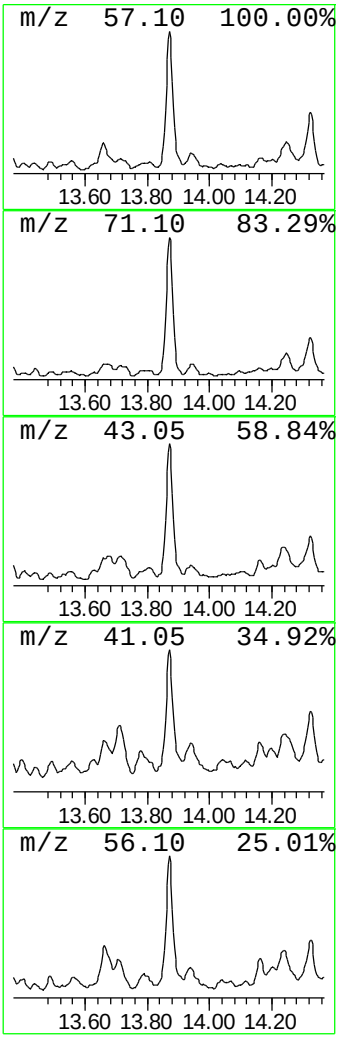
Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	20.63 ug/L	419976	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	78
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	72
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	72
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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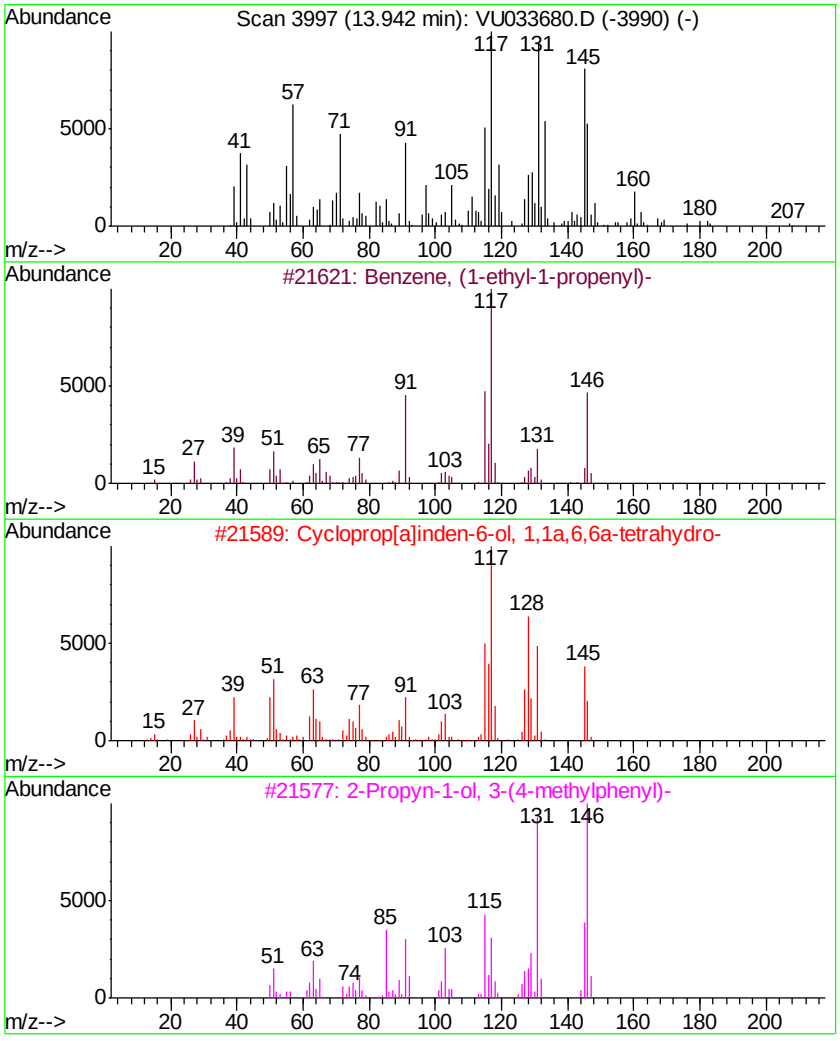
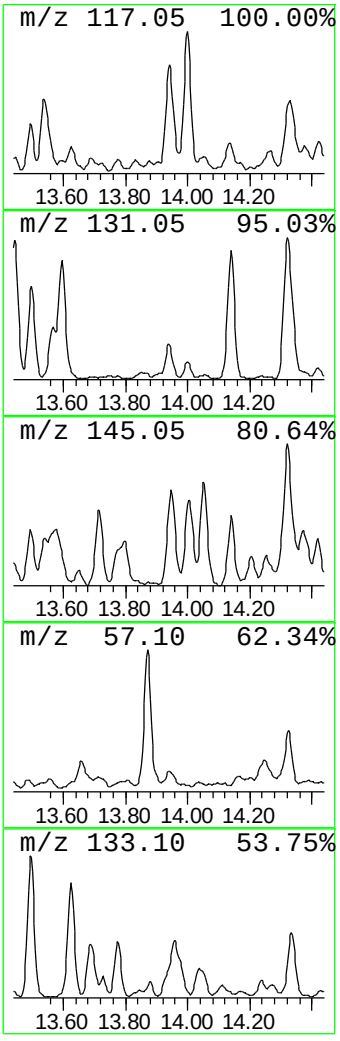
Peak Number 57 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	9.73 ug/L	198200	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	83
2	Cycloprop[a]inden-6-ol, 1,1a,6,6...	146	C10H10O	022228-27-9	64
3	2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	55
4	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	46
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	42





Library Search Compound Report

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Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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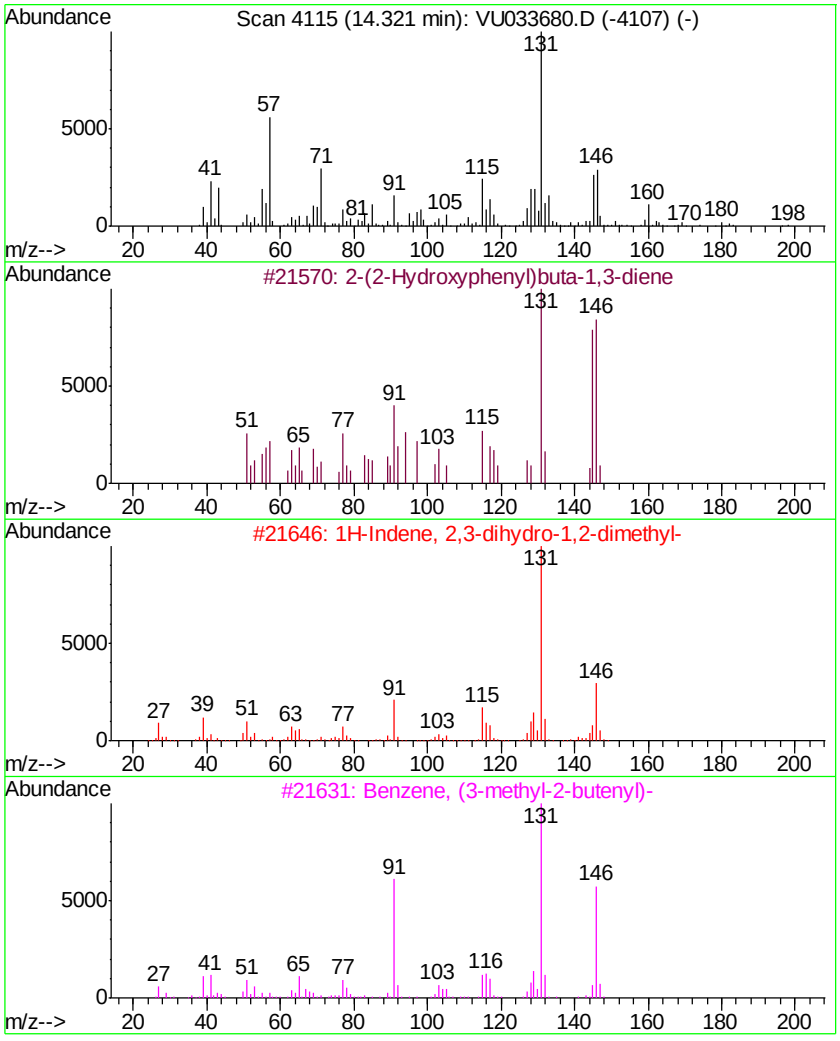
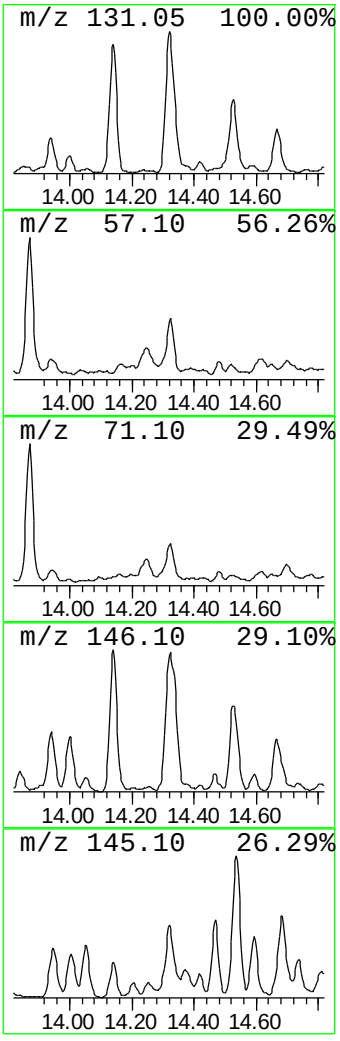
Peak Number 58 2-(2-Hydroxyphenyl)buta-1,3... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	24.00 ug/L	488735	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	58
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	52
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	49
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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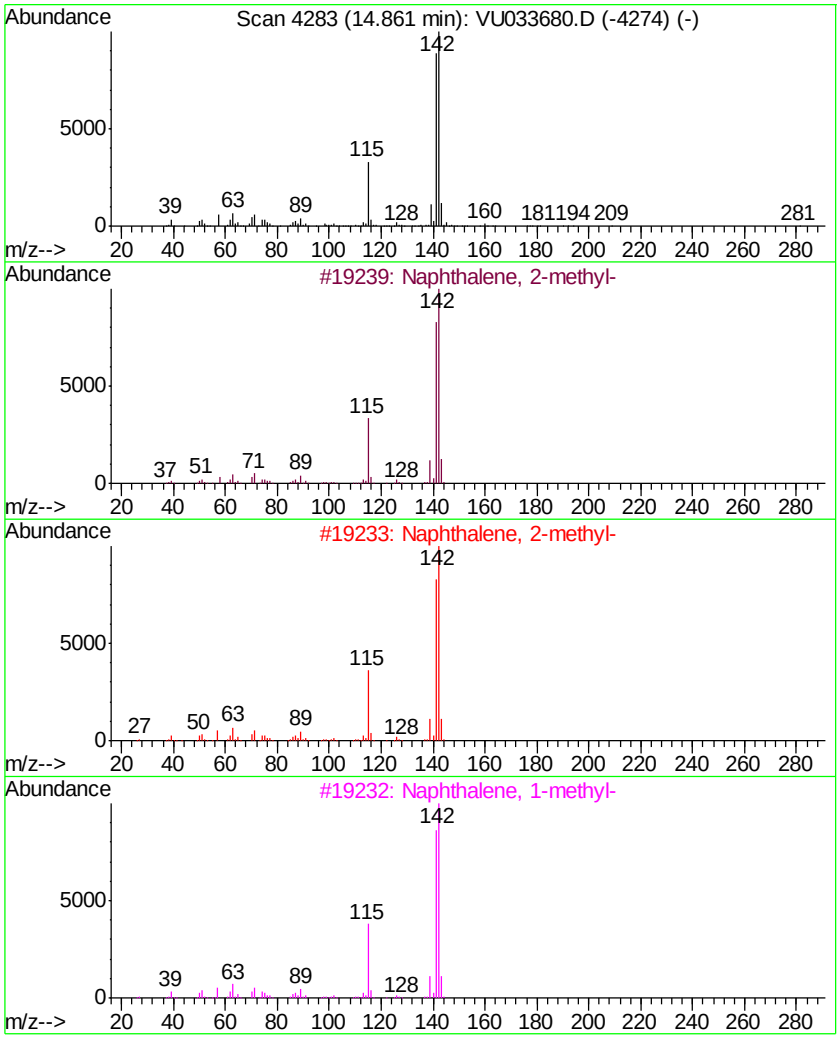
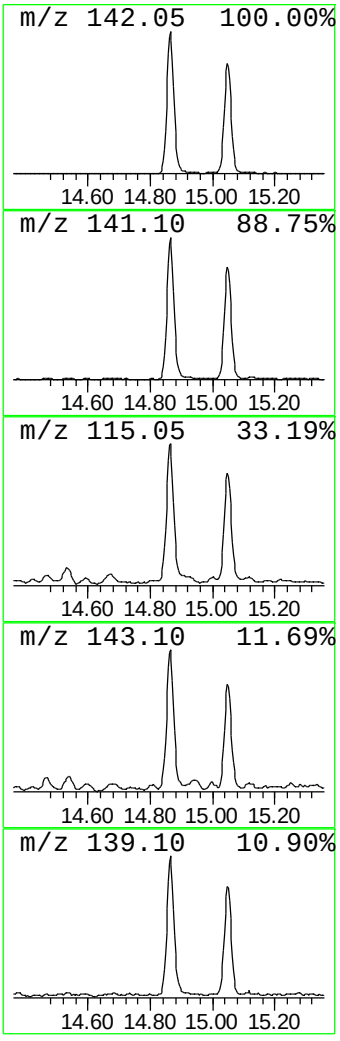
Peak Number 59 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	58.61 ug/L	1193450	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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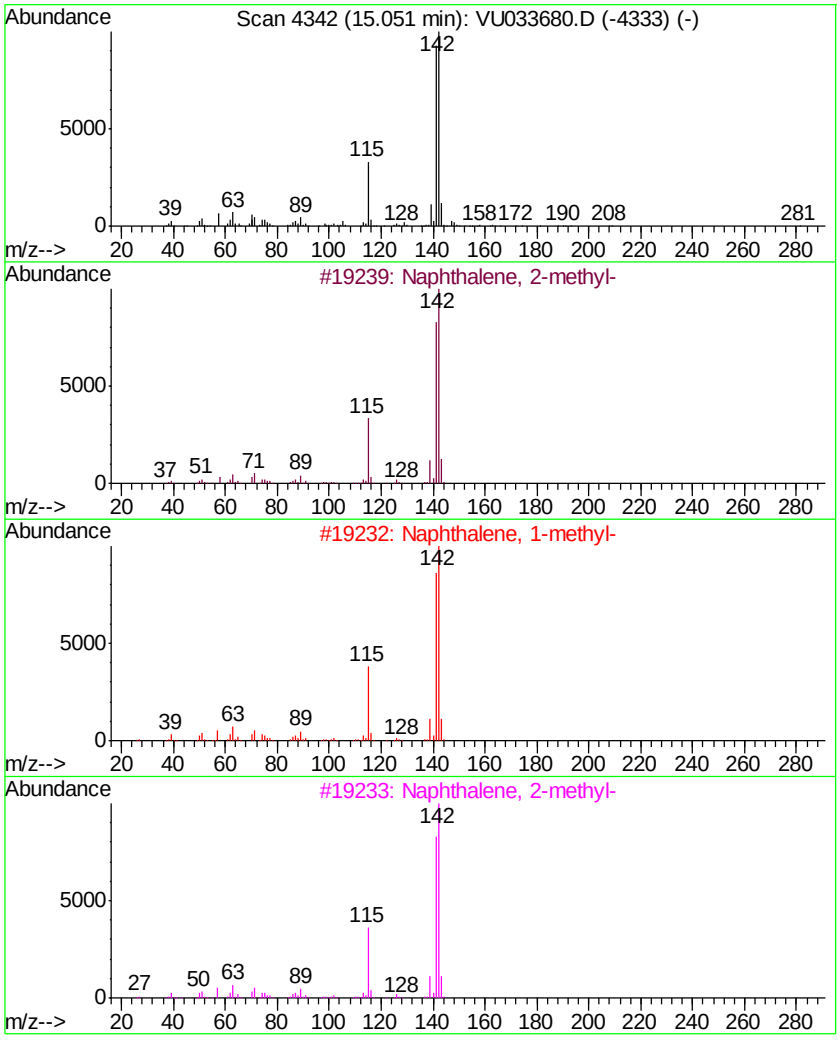
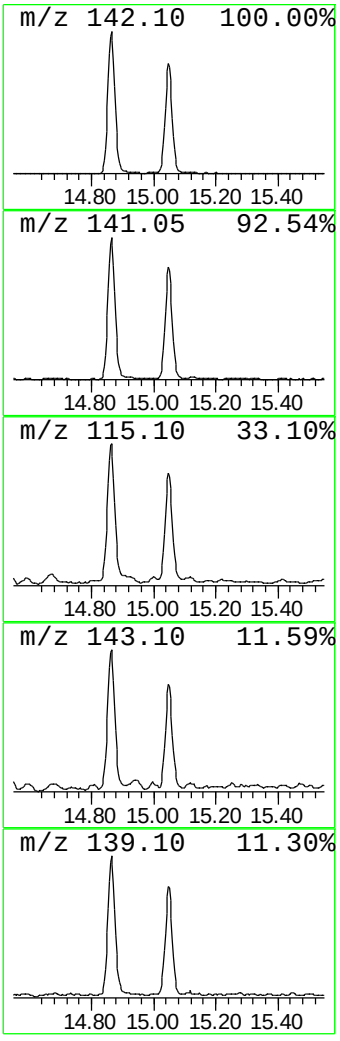
Peak Number 60 1,4-Methanonaphthalene, 1,4... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	27.54 ug/L	560745	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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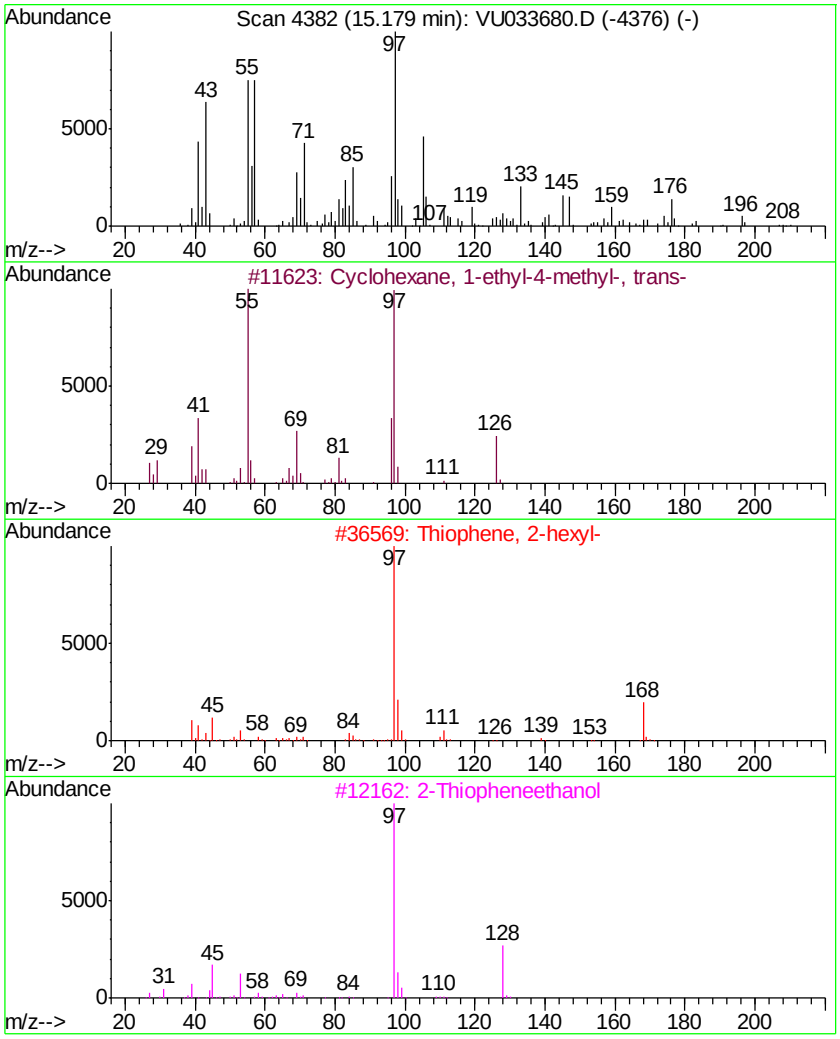
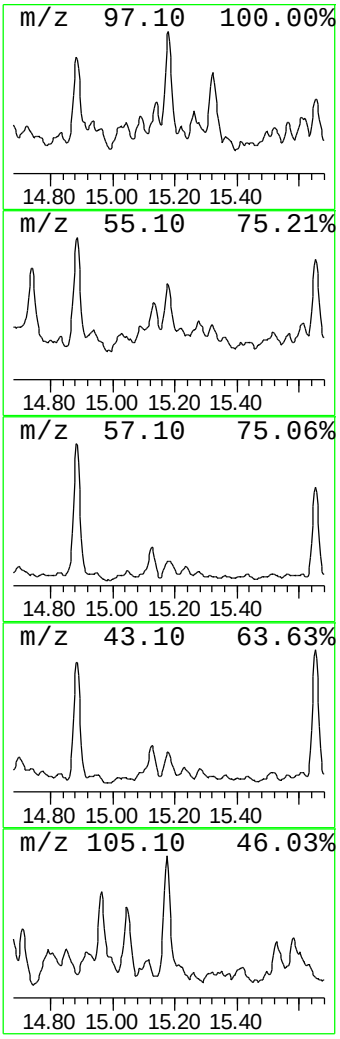
Peak Number 61 (DEL) Alkane: Cyclic15.18 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	5.99 ug/L	121994	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	30
2	Thiophene, 2-hexyl-	168	C10H16S	018794-77-9	25
3	2-Thiopheneethanol	128	C6H8OS	005402-55-1	25
4	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	25
5	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	18





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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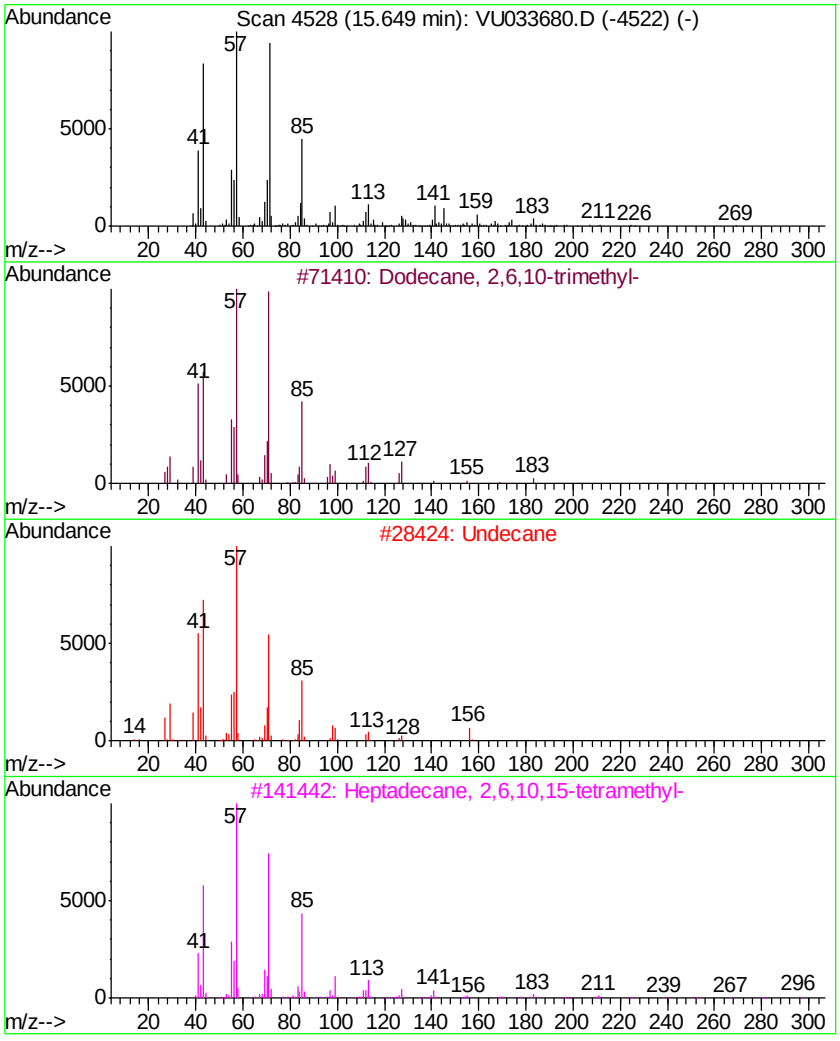
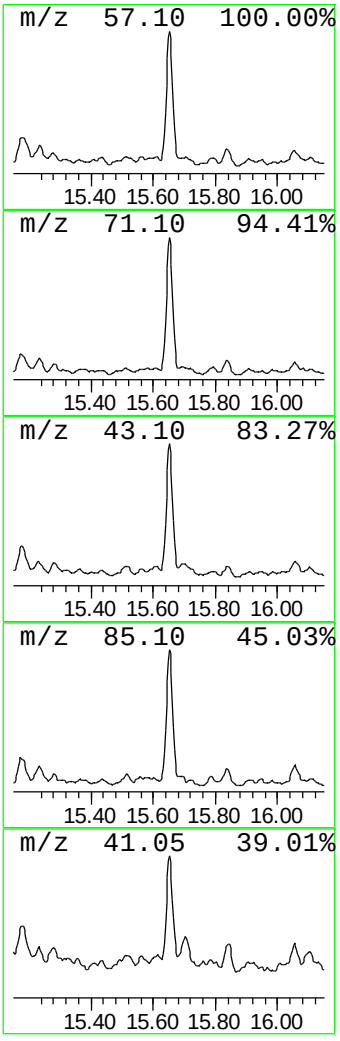
Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	18.26 ug/L	371712	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	87
2	Undecane	156	C11H24	001120-21-4	87
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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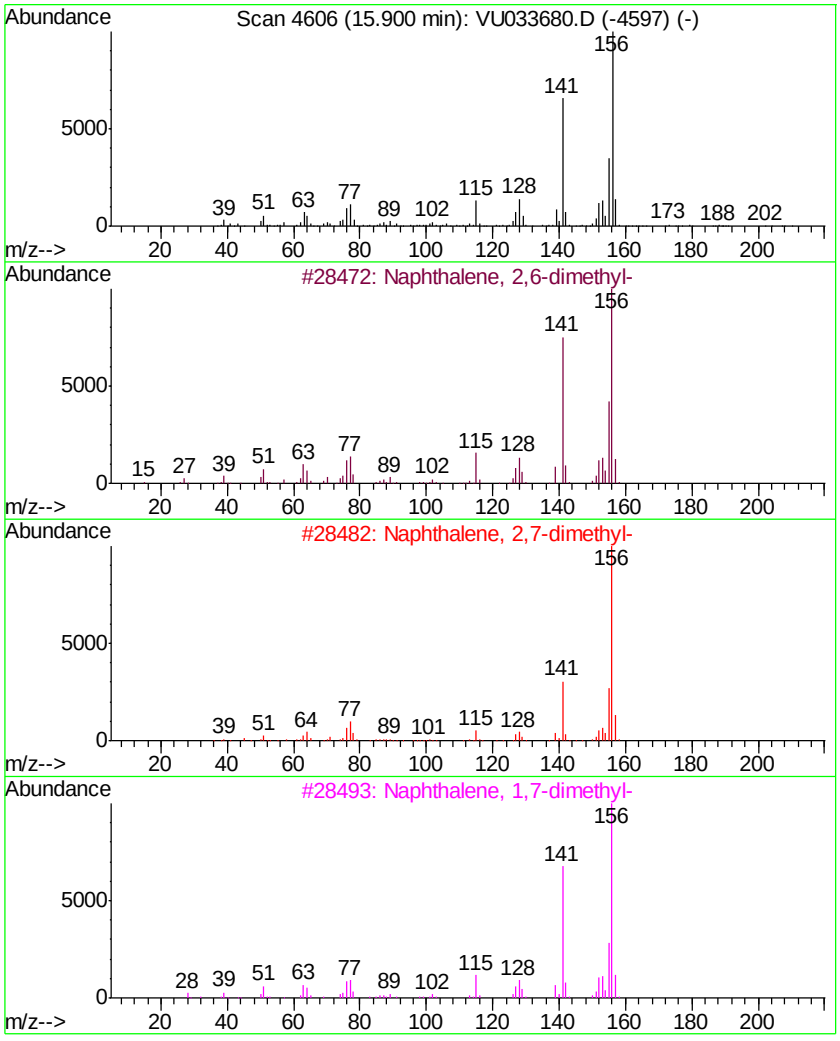
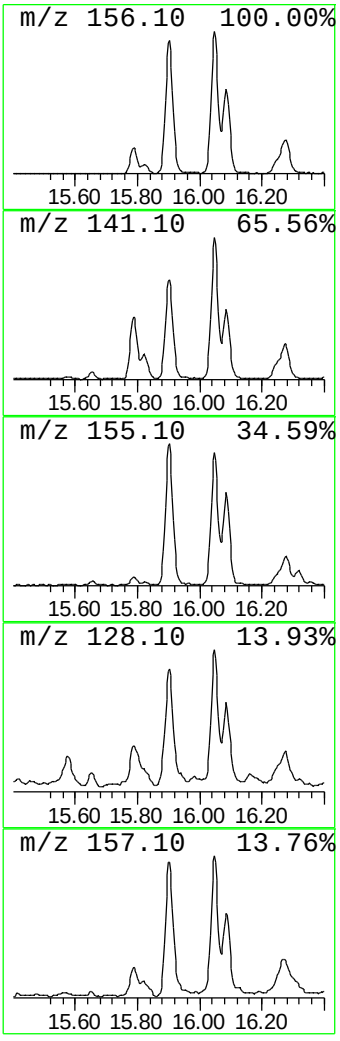
Peak Number 64 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	36.95 ug/L	752338	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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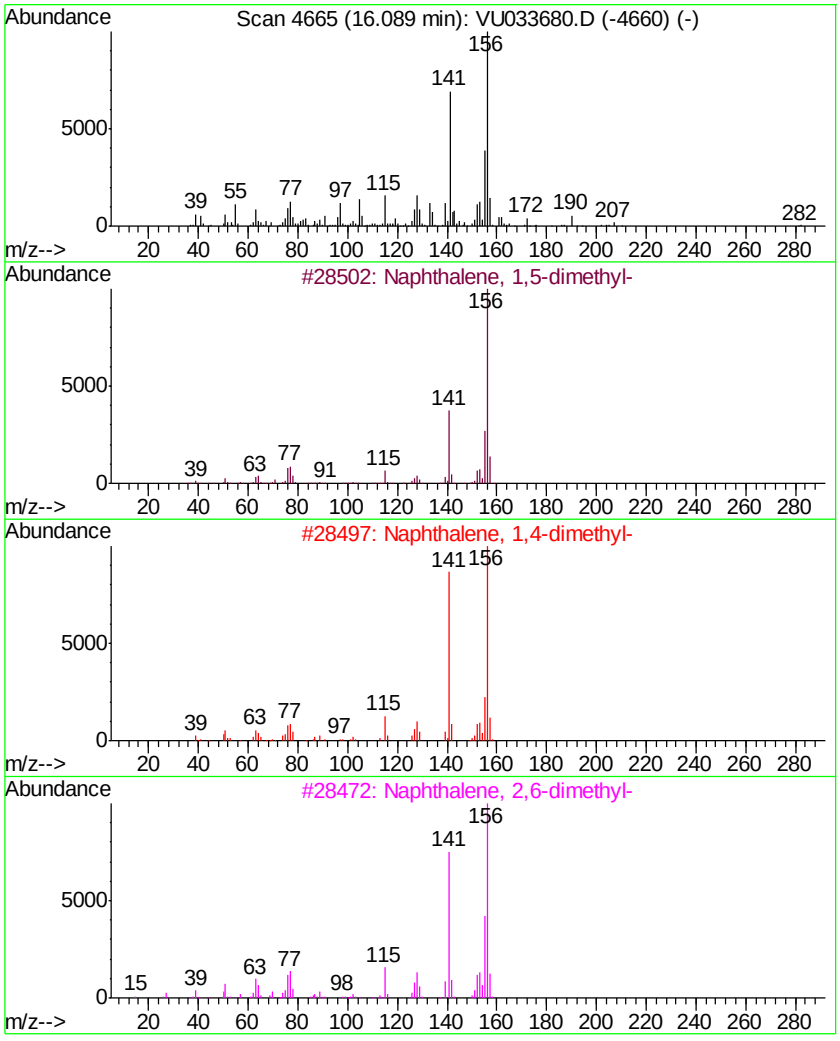
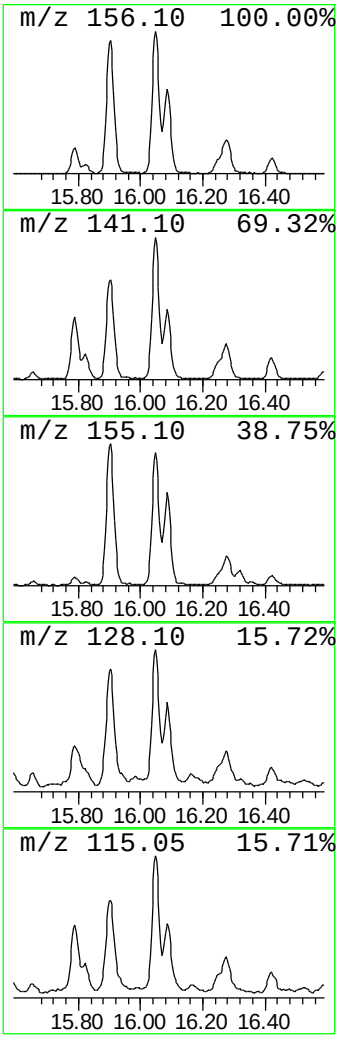
Peak Number 66 Naphthalene, 1,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	23.97 ug/L	488131	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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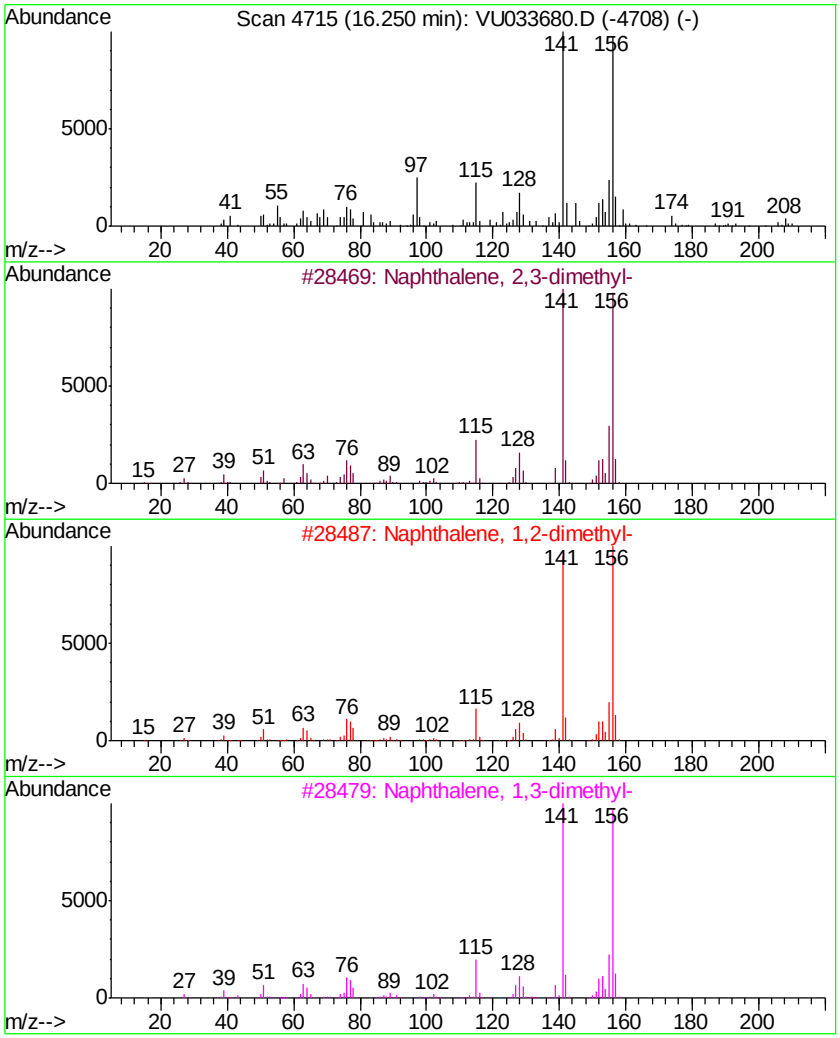
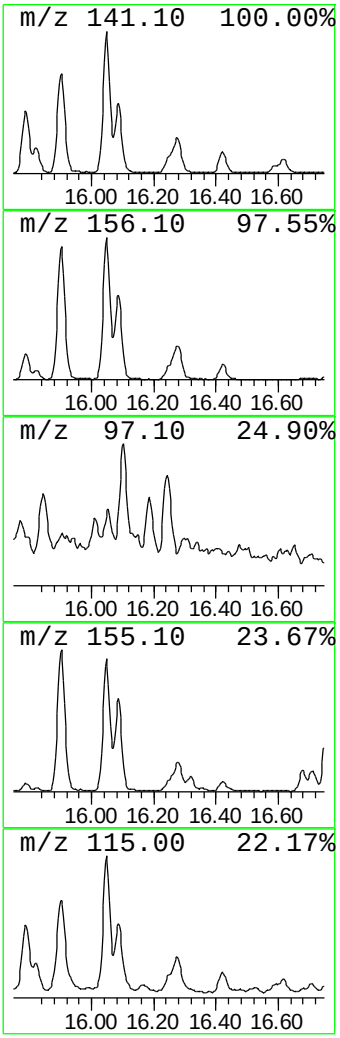
Peak Number 67 Naphthalene, 2,3-dimethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	3.64 ug/L	74164	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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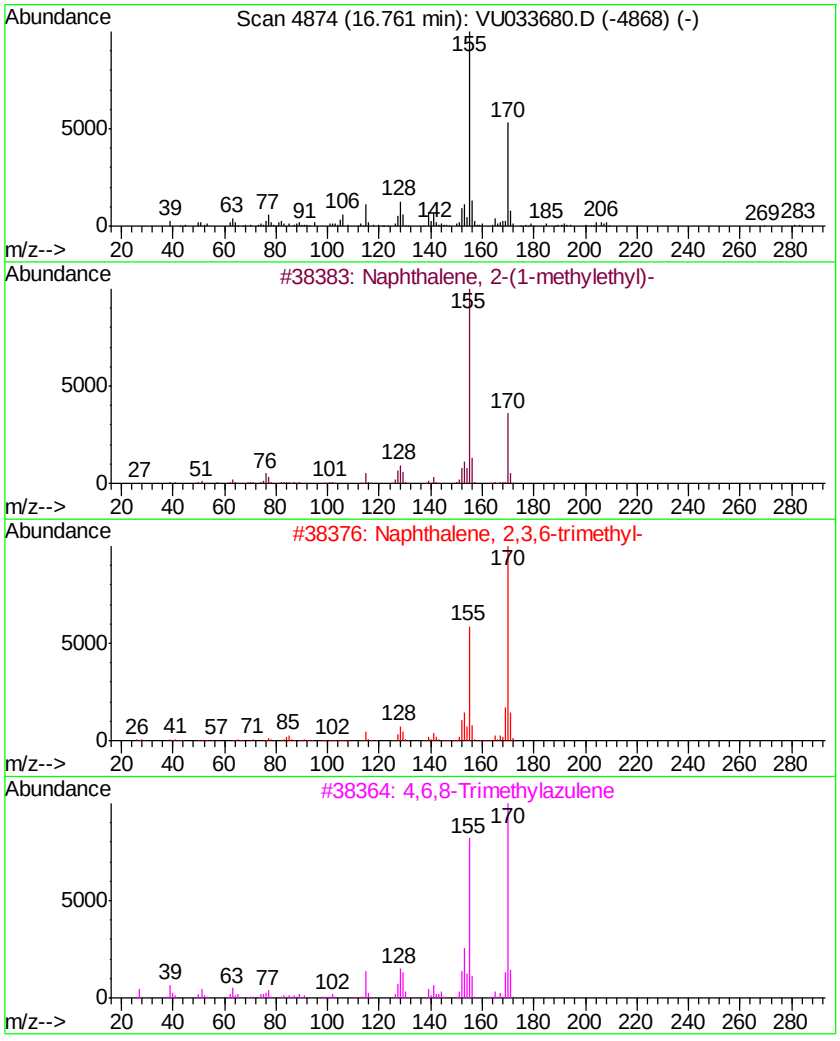
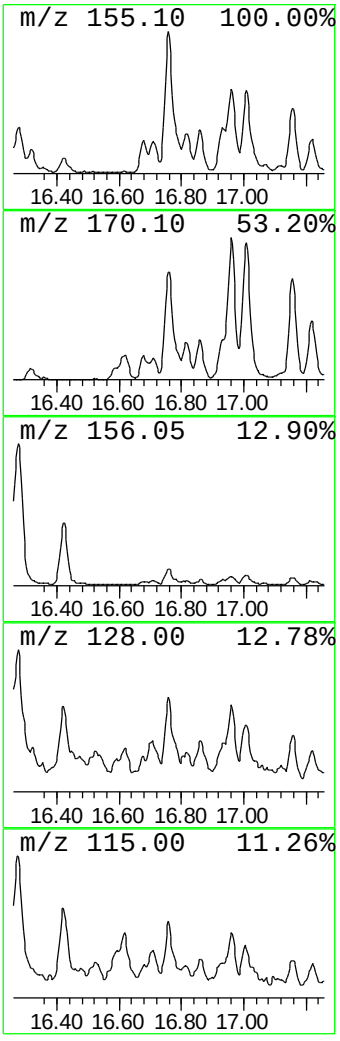
Peak Number 68 Naphthalene, 2-(1-methyleth... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	5.64 ug/L	114786	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	86
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
3	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	83
4	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	80
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis

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

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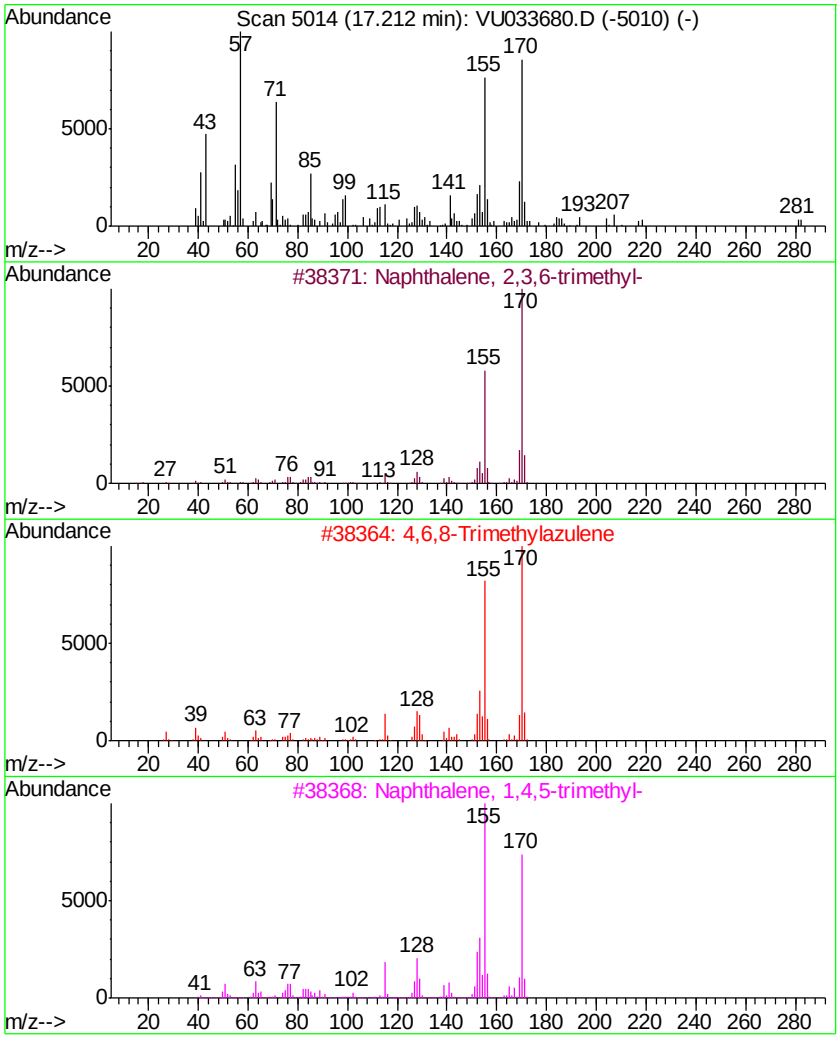
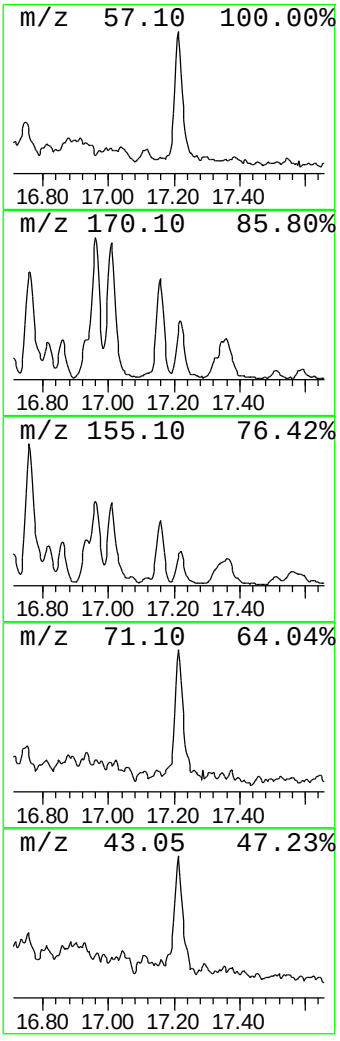
Peak Number 69 Naphthalene, 2,3,6-trimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.21	3.89 ug/L	79116	1,4-Dichlorobenzene-d4	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	86
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080819\
Data File : VU033680.D
Acq On : 09 Aug 2019 08:22
Operator : JC/SP
Sample : K4215-06 20X
Misc : 6.31g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 58 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ETOB7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.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
unknown-01	1.56	6.2	ug/L	94629	1	5.86	765007	50.0
(DEL) Alkane: Str...	4.96	3.0	ug/L	46247	1	5.86	765007	50.0
(DEL) Alkane: Str...	5.20	4.5	ug/L	68109	1	5.86	765007	50.0
(DEL) Alkane: Cyc...	5.52	3.6	ug/L	55452	1	5.86	765007	50.0
(DEL) Alkane: Cyc...	5.59	3.2	ug/L	48485	1	5.86	765007	50.0
(DEL) Alkane: Cyc...	6.19	5.5	ug/L	84738	1	5.86	765007	50.0
(DEL) Alkane: Str...	6.46	2.5	ug/L	38299	1	5.86	765007	50.0
(DEL) Alkane: Str...	6.72	3.3	ug/L	50439	1	5.86	765007	50.0
(DEL) Alkane: Cyc...	6.81	2.8	ug/L	42183	1	5.86	765007	50.0
(DEL) Alkane: Str...	6.90	7.0	ug/L	106668	1	5.86	765007	50.0
Cyclobutane, (1-m...	7.04	11.8	ug/L	181219	1	5.86	765007	50.0
(DEL) Alkane: Str...	7.16	3.6	ug/L	55452	1	5.86	765007	50.0
(DEL) Alkane: Str...	7.32	6.6	ug/L	100579	1	5.86	765007	50.0
(DEL) Alkane: Cyc...	7.68	3.1	ug/L	59979	2	9.07	979006	50.0
(DEL) Alkane: Cyc...	8.03	5.1	ug/L	99663	2	9.07	979006	50.0
Cyclopentene, 1,2...	8.08	7.5	ug/L	146832	2	9.07	979006	50.0
(DEL) Alkane: Str...	8.44	4.8	ug/L	94245	2	9.07	979006	50.0
(DEL) Alkane: Cyc...	8.74	5.2	ug/L	100937	2	9.07	979006	50.0
(DEL) Alkane: Str...	8.89	9.6	ug/L	188221	2	9.07	979006	50.0
(DEL) Alkane: Str...	9.02	8.5	ug/L	166329	2	9.07	979006	50.0
(DEL) Alkane: Cyc...	9.43	4.1	ug/L	79840	2	9.07	979006	50.0
(DEL) Alkane: Cyc...	9.70	4.1	ug/L	80665	2	9.07	979006	50.0
Benzene, 1-nitro-...	9.80	3.0	ug/L	58286	2	9.07	979006	50.0
(DEL) Alkane: Str...	9.94	8.6	ug/L	167731	2	9.07	979006	50.0
(DEL) Alkane: Cyc...	10.03	3.4	ug/L	65999	2	9.07	979006	50.0
(DEL) Alkane: Str...	10.07	2.9	ug/L	56621	2	9.07	979006	50.0
(DEL) Alkane: Str...	10.31	3.2	ug/L	64273	3	11.47	1018060	50.0
(DEL) Alkane: Str...	10.34	4.1	ug/L	84104	3	11.47	1018060	50.0
(DEL) Alkane: Cyc...	10.74	3.0	ug/L	62182	3	11.47	1018060	50.0
(DEL) Alkane: Str...	11.10	4.6	ug/L	93784	3	11.47	1018060	50.0
(DEL) Alkane: Str...	11.26	2.8	ug/L	56868	3	11.47	1018060	50.0
tert-Nonyl mercaptan	11.32	2.7	ug/L	54589	3	11.47	1018060	50.0
(DEL) Alkane: Cyc...	11.38	3.8	ug/L	76502	3	11.47	1018060	50.0
(DEL) Alkane: Str...	11.68	3.2	ug/L	64392	3	11.47	1018060	50.0
Benzene, 1-etheny...	11.76	11.2	ug/L	228761	3	11.47	1018060	50.0
Benzene, 1-methyl...	12.04	8.5	ug/L	172791	3	11.47	1018060	50.0
2,5-Dimethyl-1-py...	12.17	2.5	ug/L	51643	3	11.47	1018060	50.0
o-Cymene	12.23	16.0	ug/L	325189	3	11.47	1018060	50.0
Indan, 1-methyl-	12.34	16.8	ug/L	341183	3	11.47	1018060	50.0
Naphthalene, deca...	12.49	2.5	ug/L	51711	3	11.47	1018060	50.0
(DEL) Alkane: Cyc...	12.60	8.5	ug/L	172832	3	11.47	1018060	50.0
Benzene, 1,2,4,5-...	12.63	15.8	ug/L	321254	3	11.47	1018060	50.0
trans-Decalin, 2-...	12.70	7.6	ug/L	155222	3	11.47	1018060	50.0
Benzene, 1-methyl...	12.77	5.2	ug/L	105646	3	11.47	1018060	50.0
Benzene, (1-methy...	12.95	10.8	ug/L	219008	3	11.47	1018060	50.0
unknown-02	13.03	3.7	ug/L	74823	3	11.47	1018060	50.0
Benzene, 2-etheny...	13.11	44.8	ug/L	912487	3	11.47	1018060	50.0
(DEL) Alkane: Str...	13.27	19.2	ug/L	391420	3	11.47	1018060	50.0
Benzene, (1,2-dim...	13.40	4.3	ug/L	87791	3	11.47	1018060	50.0

1H-Indene, 2,3-di...	13.44	7.8	ug/L	159729	3	11.47	1018060	50.0
Benzene, (1-methy...	13.49	12.7	ug/L	258179	3	11.47	1018060	50.0
Benzene, 1-ethyl-...	13.78	10.5	ug/L	214292	3	11.47	1018060	50.0
(DEL) Alkane: Str...	13.87	20.6	ug/L	419976	3	11.47	1018060	50.0
Benzene, (1-ethyl...	13.94	9.7	ug/L	198200	3	11.47	1018060	50.0
2-(2-Hydroxypheny...	14.32	24.0	ug/L	488735	3	11.47	1018060	50.0
Naphthalene, 1-me...	14.86	58.6	ug/L	1193450	3	11.47	1018060	50.0
1,4-Methanonaphth...	15.05	27.5	ug/L	560745	3	11.47	1018060	50.0
(DEL) Alkane: Cyc...	15.18	6.0	ug/L	121994	3	11.47	1018060	50.0
(DEL) Alkane: Str...	15.65	18.3	ug/L	371712	3	11.47	1018060	50.0
Naphthalene, 2,6-...	15.90	37.0	ug/L	752338	3	11.47	1018060	50.0
Naphthalene, 1,5-...	16.09	24.0	ug/L	488131	3	11.47	1018060	50.0
Naphthalene, 2,3-...	16.25	3.6	ug/L	74164	3	11.47	1018060	50.0
Naphthalene, 2-(1...	16.76	5.6	ug/L	114786	3	11.47	1018060	50.0
Naphthalene, 2,3,...	17.21	3.9	ug/L	79116	3	11.47	1018060	50.0

Instrument :
MSVOA_U
ClientSampleId :
ETOB7