LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

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\SOMULM122018WMA.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	2.231	316	329	343	rVB	172533	261423	4.09%	0.349%
2	4.193	919	939	987	rBV2	54606	184034	2.88%	0.246%
3	4.640	1061	1078	1098	rBV	121386	294649	4.61%	0.393%
4	5.202	1237	1253	1272	rBV2	59564	156232	2.44%	0.209%
5	5.328	1273	1292	1318	rVV2	278952	775549	12.12%	1.036%
6	5.611	1368	1380	1397	rVB	73678	163546	2.56%	0.218%
7	5.881	1450	1464	1476	rBV	273374	564942	8.83%	0.754%
8	6.324	1589	1602	1613	rVV	166938	349157	5.46%	0.466%
9	6.405	1613	1627	1640	rVV3	241986	581275	9.09%	0.776%
10	6.633	1685	1698	1714	rBV	76922	151429	2.37%	0.202%
11	6.897	1768	1780	1802	rVB3	68729	160810	2.51%	0.215%
12	7.173	1857	1866	1873	rVV	113765	196520	3.07%	0.262%
13	7.222	1873	1881	1899	rVB2	134290	293432	4.59%	0.392%
14	7.424	1934	1944	1961	rVB3	77493	160973	2.52%	0.215%
15	7.524	1961	1975	1979	rBV2	201151	344236	5.38%	0.460%
16	7.562	1980	1987	2008	rVB	413495	762780	11.92%	1.019%
17	7.845	2060	2075	2086	rVV4	82104	193702	3.03%	0.259%
18	7.913	2086	2096	2113	rVB3	166040	334721	5.23%	0.447%
19	8.324	2213	2224	2236	rBV	387929	720073	11.25%	0.962%
20	8.485	2268	2274	2282	rVB4	119920	181302	2.83%	0.242%
21	8.540	2282	2291	2300	rBV	180532	297947	4.66%	0.398%
22	8.604	2302	2311	2320	rVB2	194052	326352	5.10%	0.436%
23	8.752	2344	2357	2368	rBV6	140485	292213	4.57%	0.390%
24	8.845	2380	2386	2397	rVV5	102713	244641	3.82%	0.327%
25	8.906	2398	2405	2414	rVV2	176332	286558	4.48%	0.383%
26	9.029	2432	2443	2453	rVB	276744	459976	7.19%	0.614%
27	9.090	2453	2462	2473	rBV	380803	650429	10.17%	0.869%
28	9.176	2474	2489	2501	rVV5	44478	157344	2.46%	0.210%
29	9.347	2529	2542	2549	rBV6	138386	327762	5.12%	0.438%
30	9.447	2566	2573	2593	rVB6	124608	304099	4.75%	0.406%
31	9.565	2601	2610	2616	rBV4	84910	152300	2.38%	0.203%
32	9.717	2643	2657	2667	rBV3	220968	461911	7.22%	0.617%
33	9.948	2713	2729	2739	rBV2	542669	1035016	16.18%	1.382%
34	10.045	2750	2759	2766	rBV5	314534	549827	8.59%	0.734%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

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\SOMULM122018WMA.M
Title : VOC Analysis

35	10.086	2767	2772	2785	rVB	246605	400473	6.26%	0.535%
36	10.160	2786	2795	2805	rBV5	126605	241996	3.78%	0.323%
37	10.254	2819	2824	2832	rVB3	117359	156833	2.45%	0.209%
38	10.321	2832	2845	2851	rBV3	285150	518605	8.11%	0.693%
39	10.440	2871	2882	2891	rBV3	370262	868335	13.57%	1.160%
40	10.488	2892	2897	2915	rVB5	314348	514185	8.04%	0.687%
41	10.704	2955	2964	2971	rBV4	244834	400863	6.27%	0.535%
42	10.749	2971	2978	2990	rVB2	323550	516969	8.08%	0.690%
43	10.929	3026	3034	3040	rBV3	151865	247042	3.86%	0.330%
44	10.971	3041	3047	3054	rBV4	137775	224857	3.51%	0.300%
45	11.070	3072	3078	3084	rBV5	102916	140368	2.19%	0.187%
46	11.112	3084	3091	3097	rBV	467800	674027	10.54%	0.900%
47	11.334	3153	3160	3170	rVB6	270289	467266	7.30%	0.624%
48	11.398	3172	3180	3186	rBV2	427074	657806	10.28%	0.878%
49	11.482	3198	3206	3215	rBV2	563367	862947	13.49%	1.152%
50	11.530	3216	3221	3227	rVB2	182782	227163	3.55%	0.303%
51	11.569	3228	3233	3240	rVB	194326	222857	3.48%	0.298%
52	11.665	3257	3263	3268	rBV3	118466	158698	2.48%	0.212%
53	11.778	3288	3298	3305	rBV5	347061	660827	10.33%	0.882%
54	11.861	3315	3324	3344	rVB5	888899	2082848	32.56%	2.781%
55	12.144	3405	3412	3417	rBV	291026	440249	6.88%	0.588%
56	12.250	3438	3445	3452	rVB	529016	739669	11.56%	0.988%
57	12.356	3470	3478	3484	rBV2	693005	1160204	18.13%	1.549%
58	12.507	3513	3525	3533	rBV6	457223	1083618	16.94%	1.447%
59	12.610	3548	3557	3563	rBV2	722440	1209524	18.91%	1.615%
60	12.704	3578	3586	3603	rVB3	965039	2032160	31.76%	2.714%
61	12.787	3604	3612	3618	rBV2	475640	771740	12.06%	1.031%
62	12.880	3636	3641	3648	rBV	177066	235894	3.69%	0.315%
63	12.964	3661	3667	3674	rVB2	533483	686553	10.73%	0.917%
64	13.032	3683	3688	3696	rBV4	240327	330940	5.17%	0.442%
65	13.083	3698	3704	3708	rVV3	249754	339295	5.30%	0.453%
66	13.122	3709	3716	3745	rVB5	902237	2257324	35.28%	3.014%
67	13.234	3747	3751	3757	rVB	238205	265264	4.15%	0.354%
68	13.279	3758	3765	3773	rBV5	543721	969562	15.15%	1.295%
69	13.405	3797	3804	3811	rBV2	448453	647615	10.12%	0.865%
70	13.456	3812	3820	3828	rBV	728867	1062532	16.61%	1.419%
71	13.507	3828	3836	3842	rBV3	729610	1165262	18.21%	1.556%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

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\SOMULM122018WMA.M
Title : VOC Analysis

72	13.610	3862	3868	3873	rBV	550551	699890	10.94%	0.935%
73	13.790	3916	3924	3935	rBV3	502309	963572	15.06%	1.287%
74	13.954	3968	3975	3984	rBV7	530410	867953	13.57%	1.159%
75	14.150	4028	4036	4042	rBV2	500598	850779	13.30%	1.136%
76	14.334	4083	4093	4105	rBV3	1144829	2231153	34.87%	2.979%
77	14.478	4133	4138	4147	rVB3	319742	437904	6.84%	0.585%
78	14.543	4151	4158	4168	rVB3	882438	1587445	24.81%	2.120%
79	14.607	4169	4178	4189	rBV8	418965	812573	12.70%	1.085%
80	14.684	4193	4202	4212	rBV7	593479	1217605	19.03%	1.626%
81	14.819	4238	4244	4250	rVB5	285214	380756	5.95%	0.508%
82	14.861	4252	4257	4272	rVV5	326361	591479	9.24%	0.790%
83	15.009	4297	4303	4309	rBV3	377975	577469	9.03%	0.771%
84	15.060	4310	4319	4331	rVB	2439954	3984554	62.28%	5.321%
85	15.665	4501	4507	4516	rVB6	367263	568762	8.89%	0.760%
86	15.832	4547	4559	4571	rVB4	560414	1492832	23.33%	1.993%
87	15.916	4572	4585	4605	rBV	3438122	6397889	100.00%	8.544%
88	16.060	4620	4630	4636	rBV	2603559	4051124	63.32%	5.410%
89	16.099	4636	4642	4659	rVB2	1723550	2905597	45.41%	3.880%
90	16.282	4685	4699	4707	rBV	930619	1843755	28.82%	2.462%
91	16.430	4739	4745	4754	rVB	278986	386016	6.03%	0.515%
92	16.533	4770	4777	4789	rVB	326660	514487	8.04%	0.687%
93	16.604	4792	4799	4801	rBV5	106672	146538	2.29%	0.196%
94	16.768	4842	4850	4862	rVV	843448	1264742	19.77%	1.689%
95	16.826	4863	4868	4875	rVB	184712	233359	3.65%	0.312%
96	16.867	4875	4881	4890	rVB2	172546	254117	3.97%	0.339%
97	16.967	4908	4912	4920	rVB	300232	401831	6.28%	0.537%
98	17.015	4921	4927	4943	rVB3	268283	548122	8.57%	0.732%
99	17.166	4967	4974	4983	rVB	194086	289155	4.52%	0.386%
100	17.228	4985	4993	5002	rBV2	202011	364531	5.70%	0.487%

Sum of corrected areas: 74885519

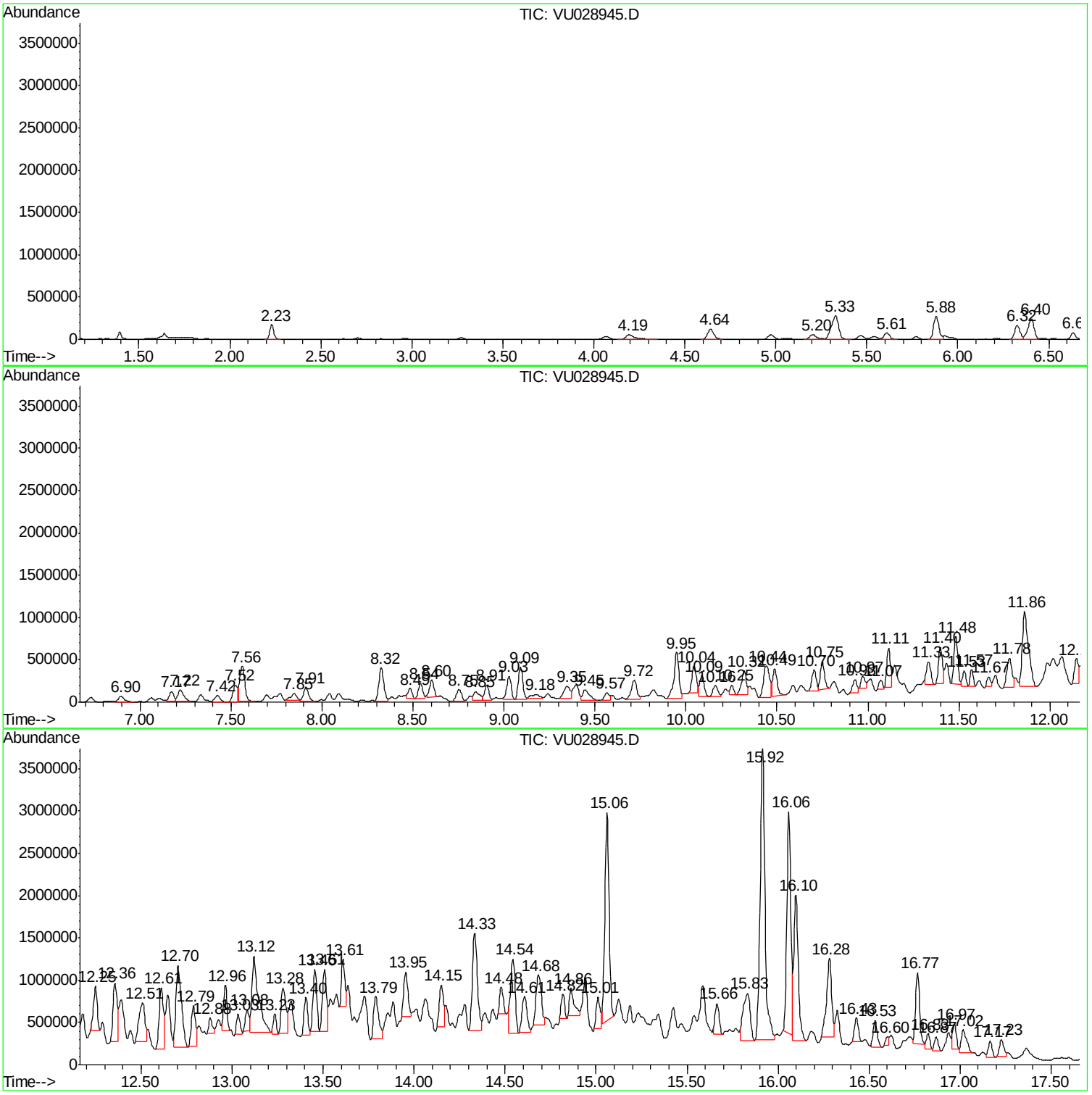
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

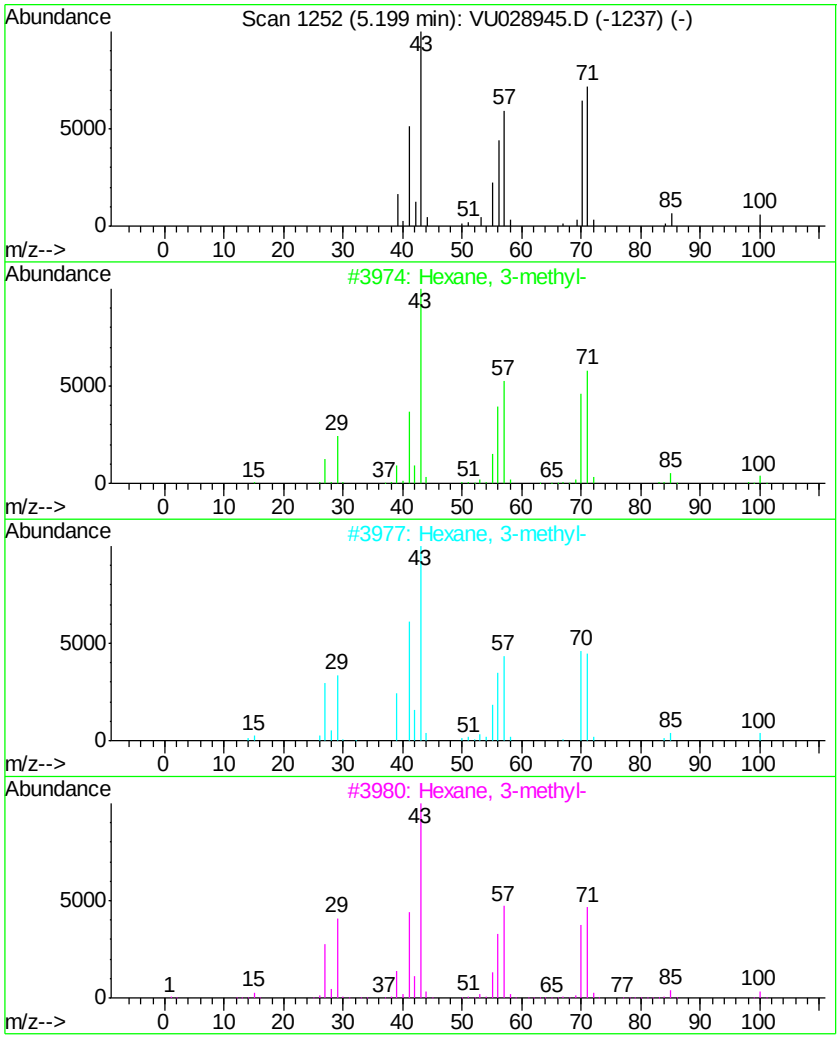
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

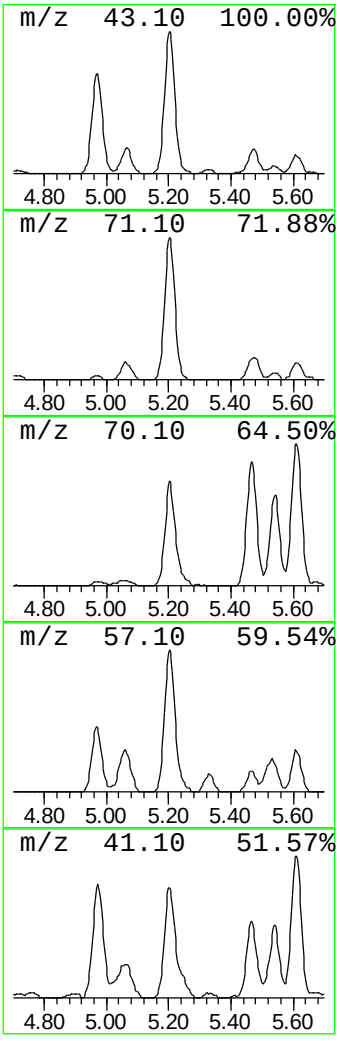
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	13.83 ug/L	156232	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	80
4	Heptane	100	C7H16	000142-82-5	72
5	Heptane	100	C7H16	000142-82-5	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

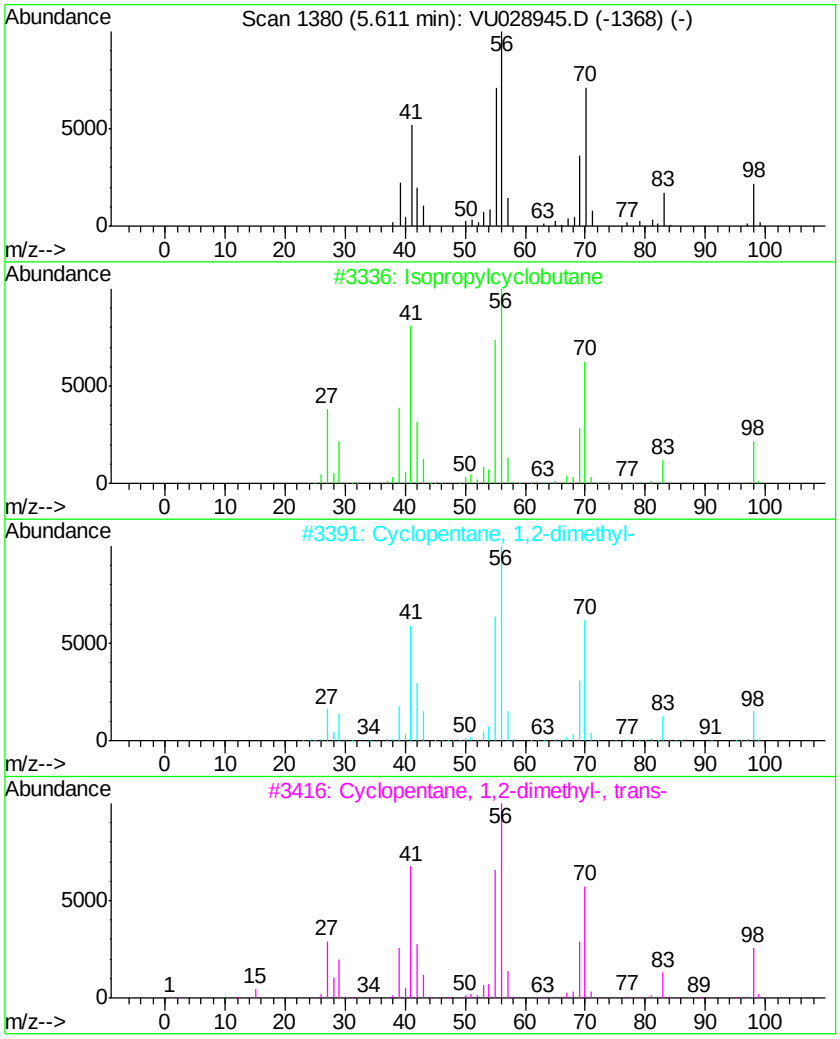
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

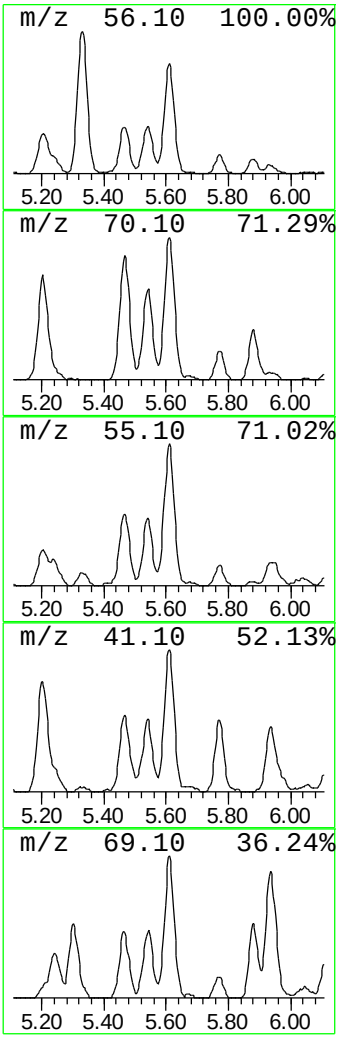
****

Peak Number 2 (DEL) Alkane: Cyclic5.61 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	14.47 ug/L	163546	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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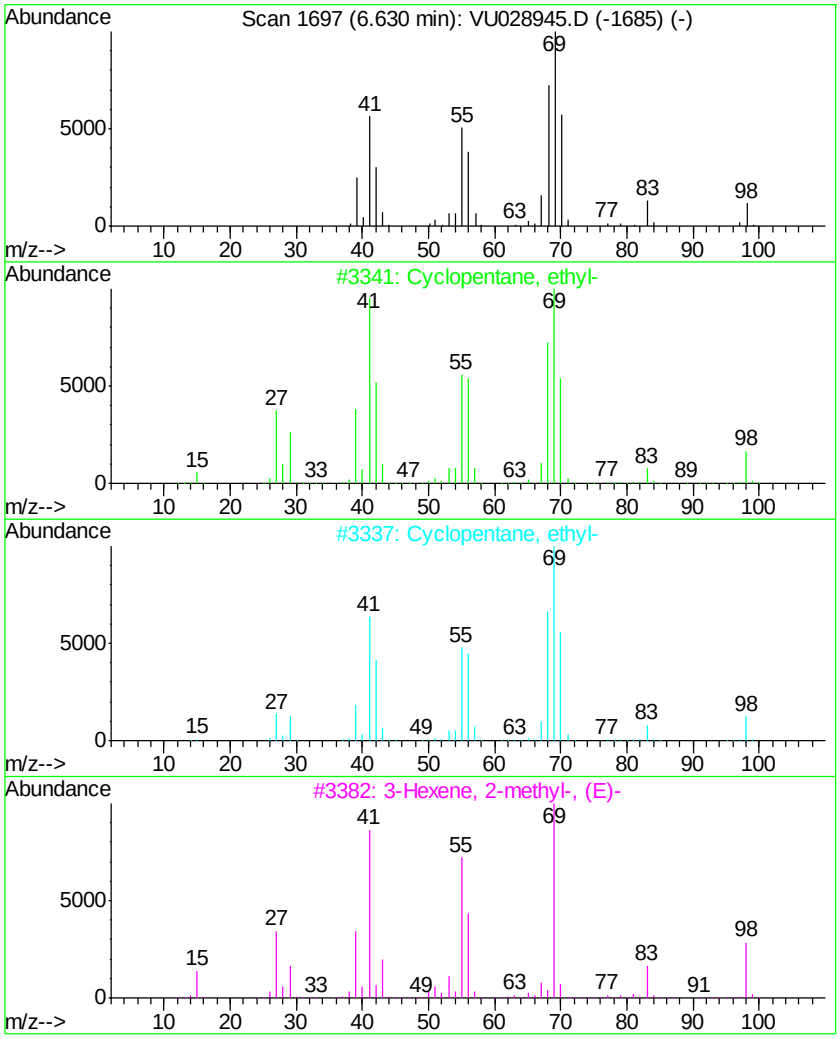
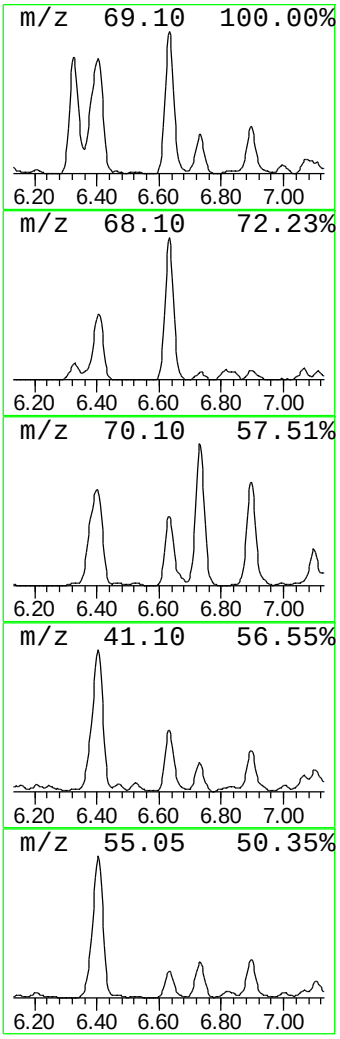
Peak Number 3 (DEL) Alkane: Cyclic6.63 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	13.40 ug/L	151429	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	95
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
3	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	49
4	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	49
5	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

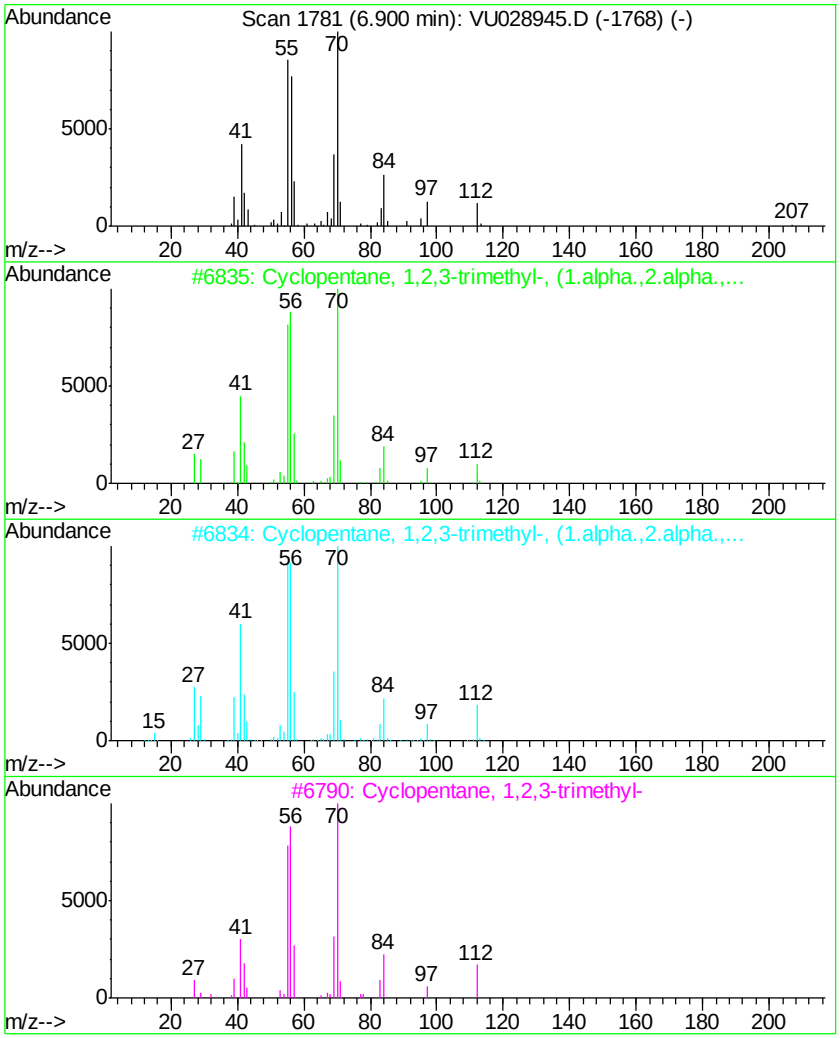
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

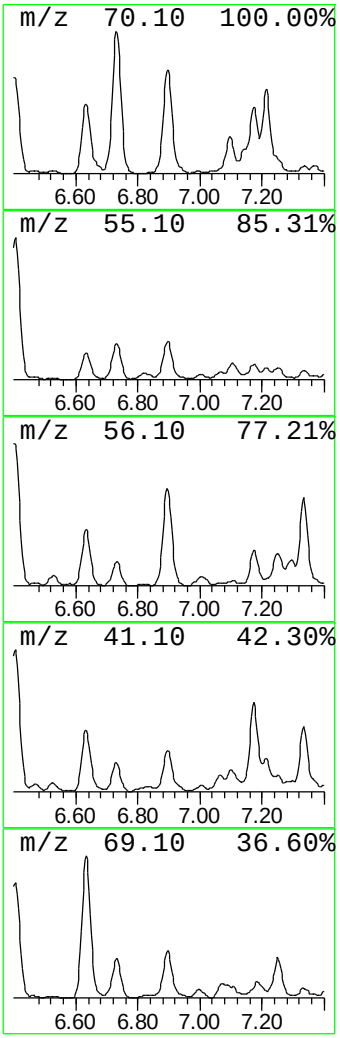
****

Peak Number 4 (DEL) Alkane: Cyclic6.90 Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	14.23 ug/L	160810	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	95
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	52
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

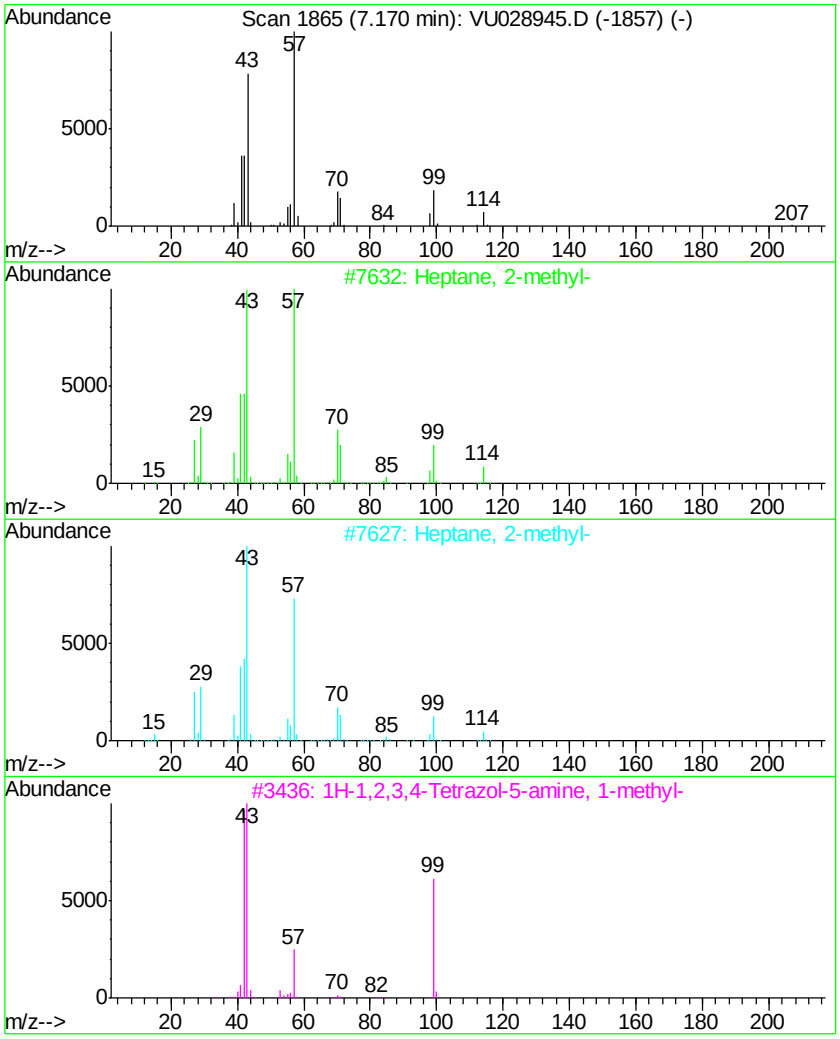
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

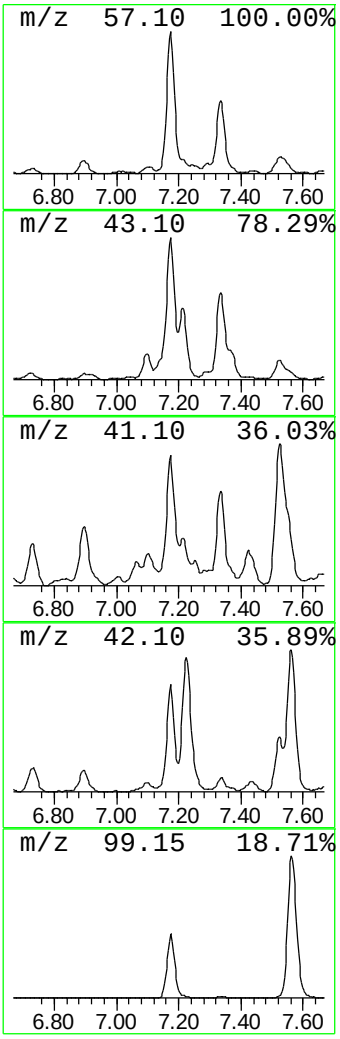
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	17.39 ug/L	196520	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	81
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	72
3	1H-1,2,3,4-Tetrazol-5-amine, 1-m...	99	C2H5N5	1000338-04-0	64
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	64
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

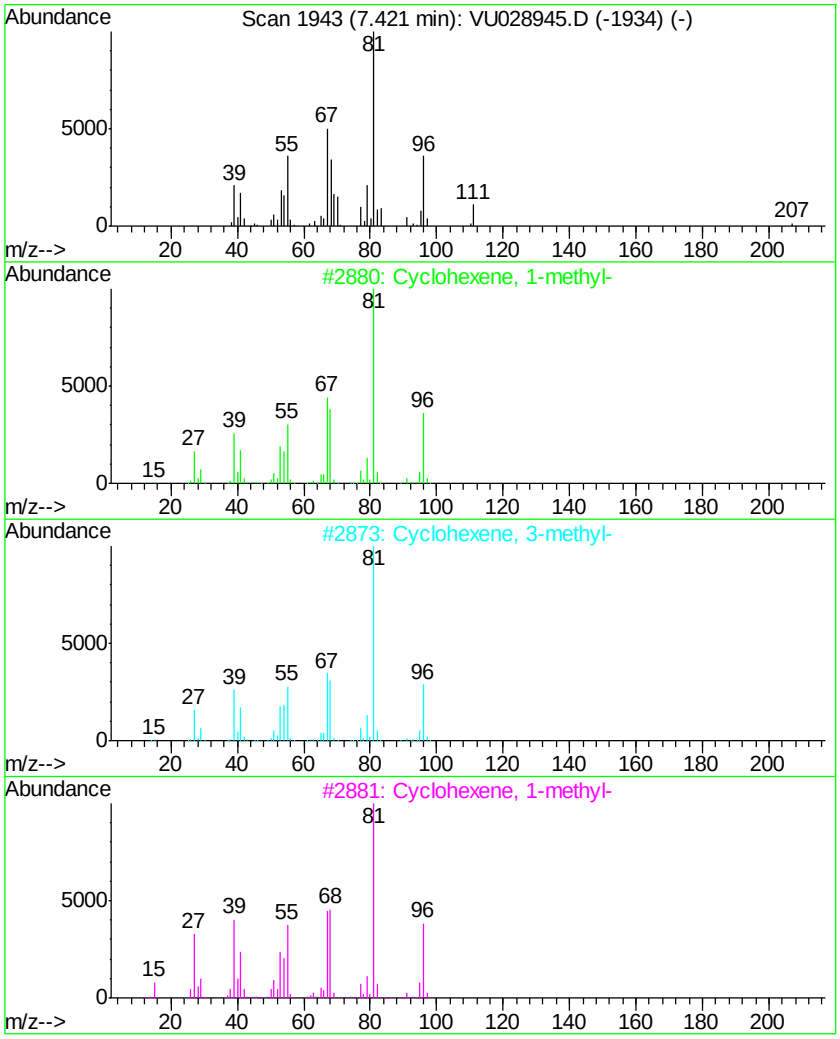
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

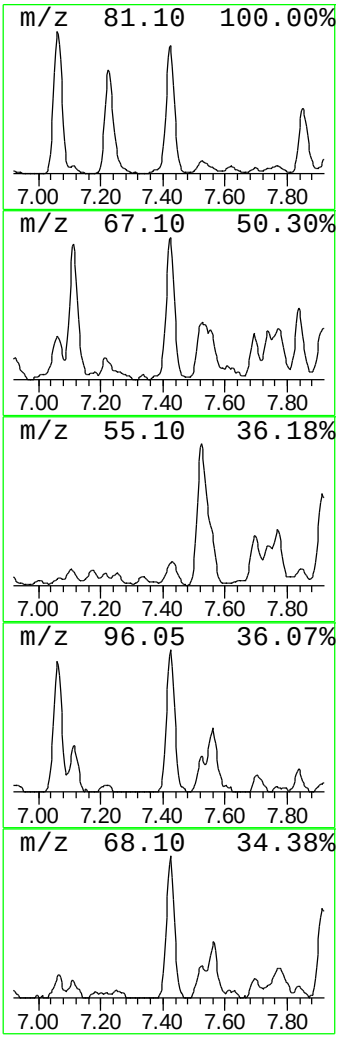
****

Peak Number 7 Cyclohexene, 1-methyl- Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	14.25 ug/L	160973	1,4-Difluorobenzene	5.88

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

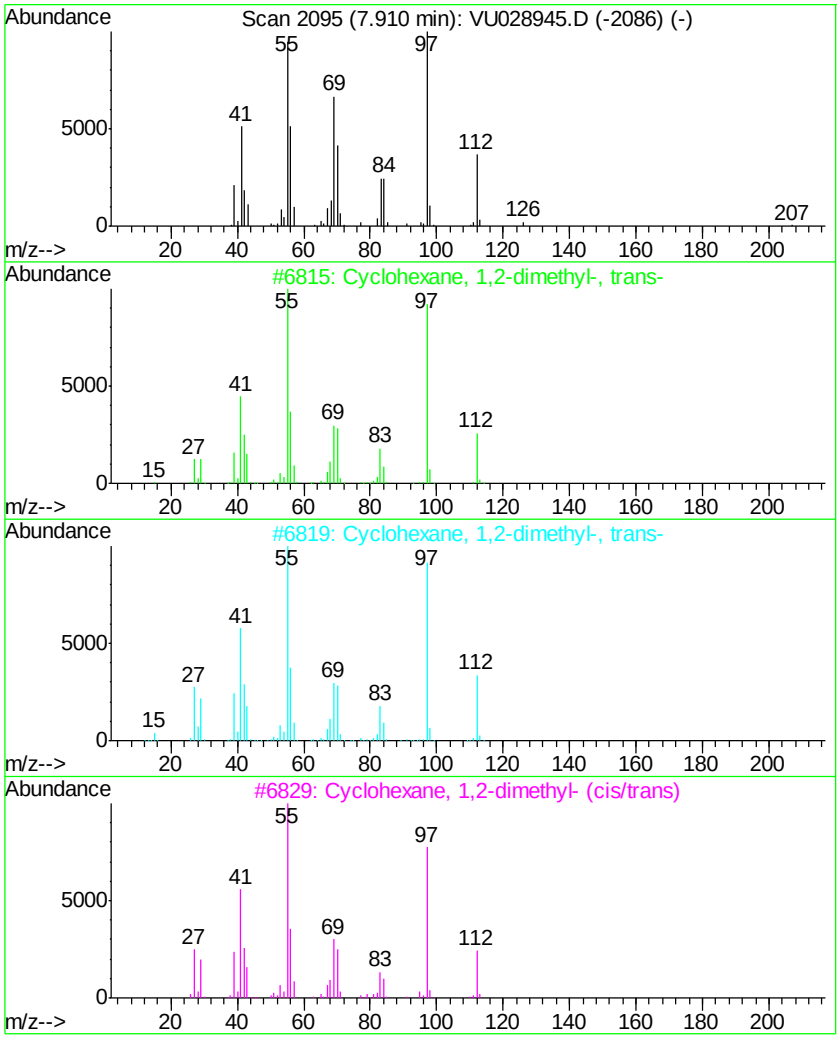
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

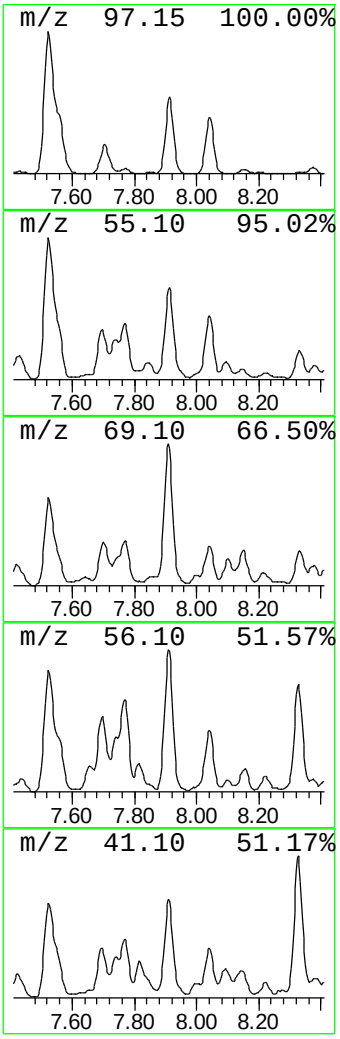
****

Peak Number 8 (DEL) Alkane: Cyclic7.91 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	25.73 ug/L	334721	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	74
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

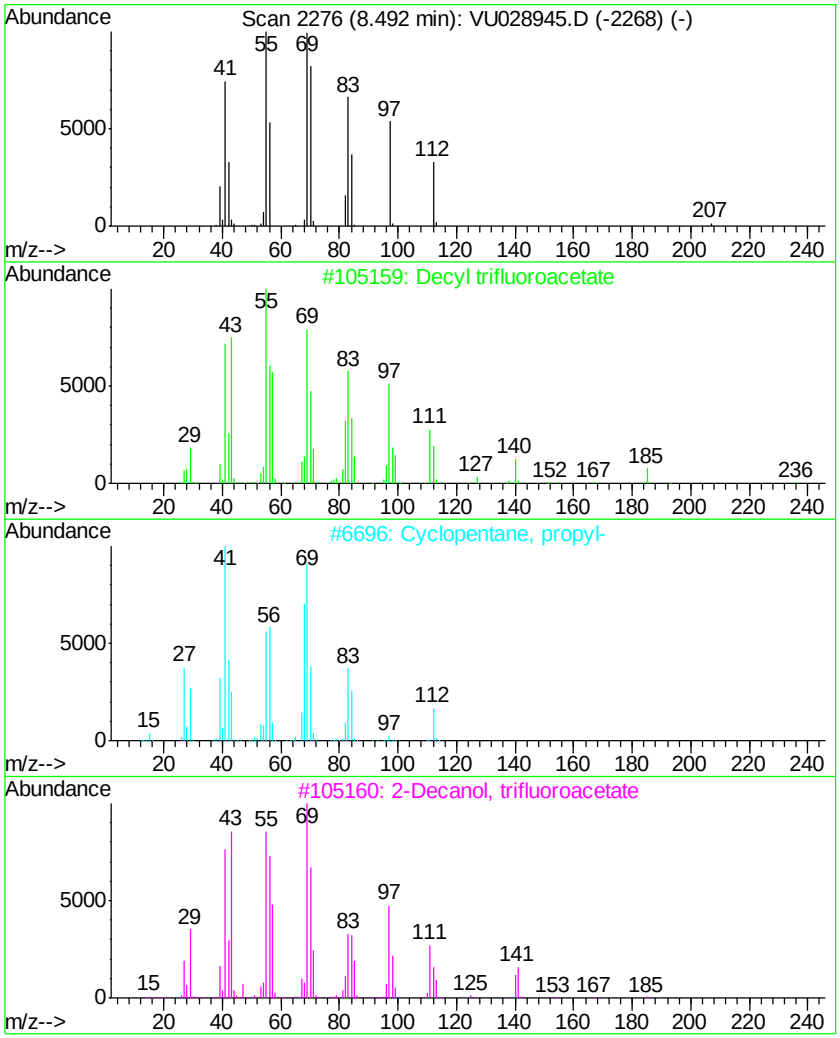
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

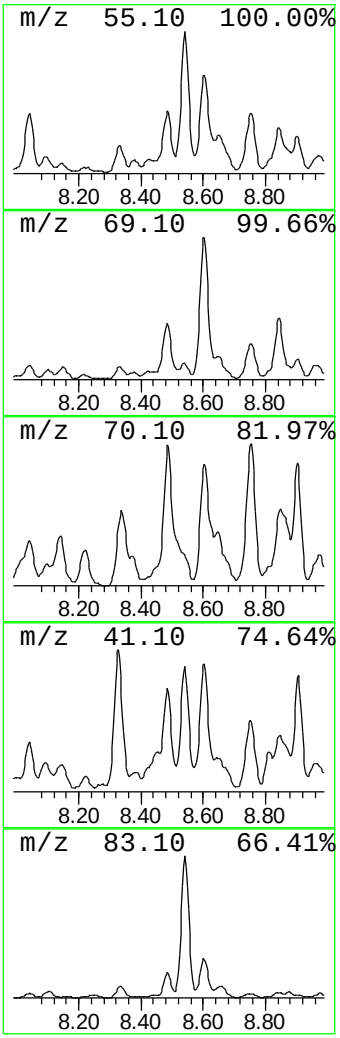
****

Peak Number 9 Decyl trifluoroacetate Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	13.94 ug/L	181302	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decyl trifluoroacetate	254	C12H21F3O2	000333-88-0	83
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	74
3	2-Decanol, trifluoroacetate	254	C12H21F3O2	1000352-32-8	72
4	n-Tridecan-1-ol	200	C13H28O	000112-70-9	53
5	Formic acid, decyl ester	186	C11H22O2	005451-52-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

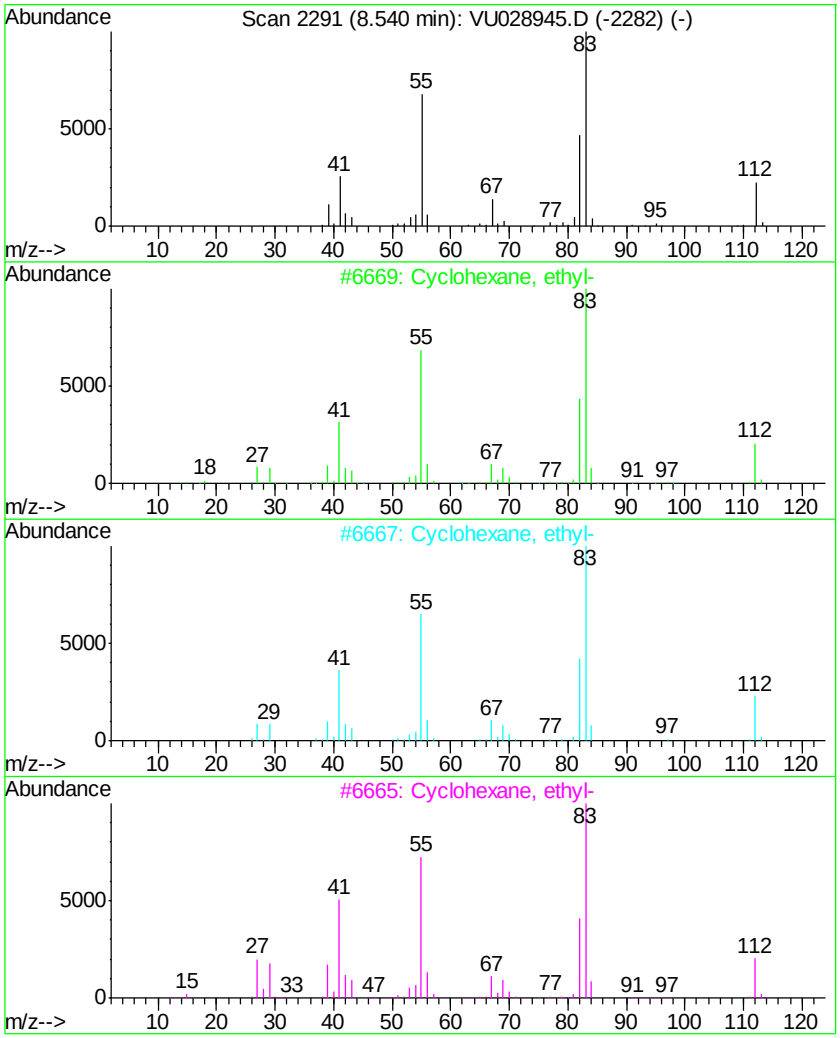
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

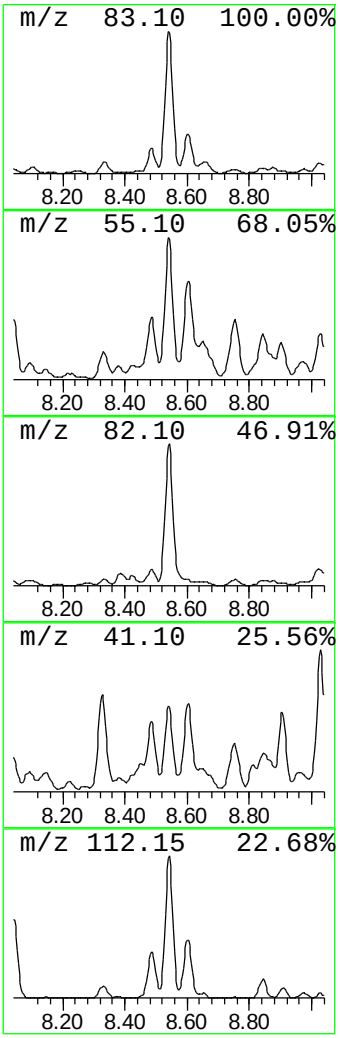
****

Peak Number 10 (DEL) Alkane: Cyclic8.54 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	22.90 ug/L	297947	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

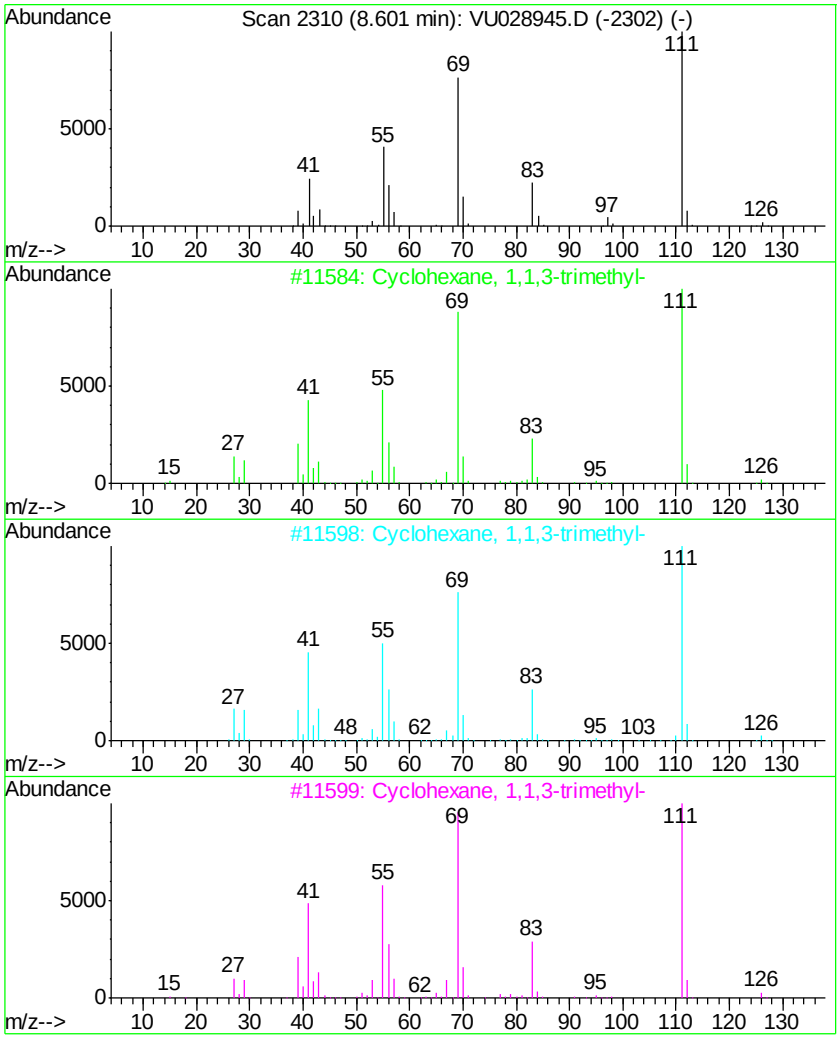
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

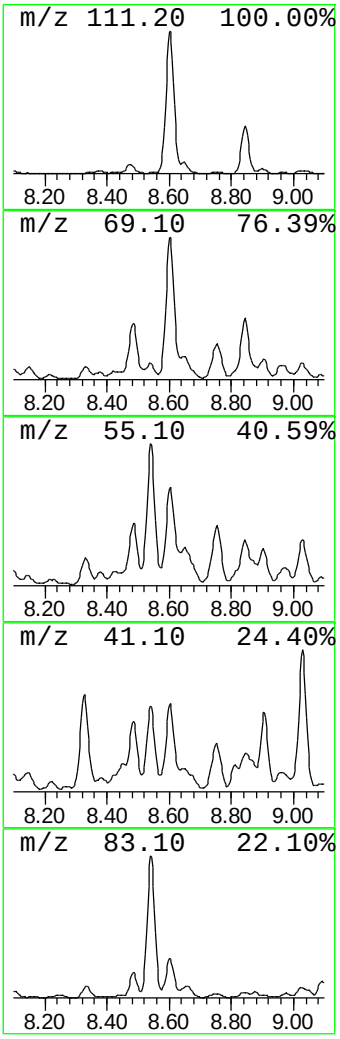
****

Peak Number 11 (DEL) Alkane: Cyclic8.60 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	25.09 ug/L	326352	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	74
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	72
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

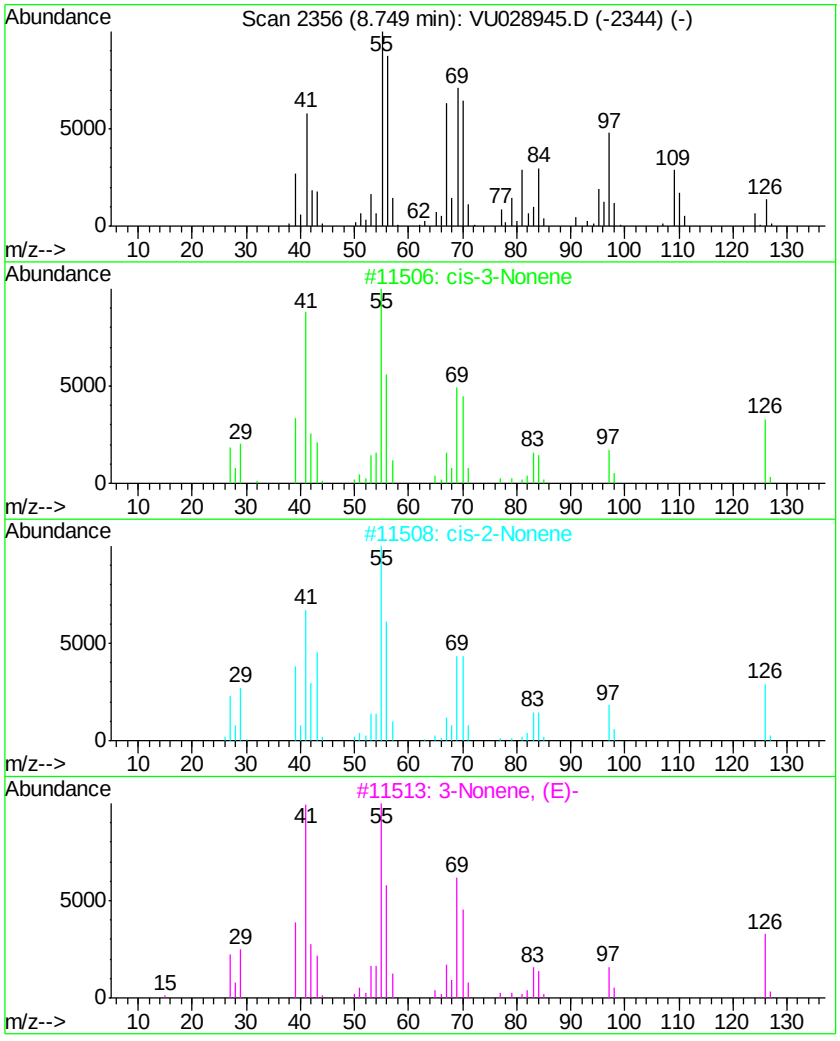
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

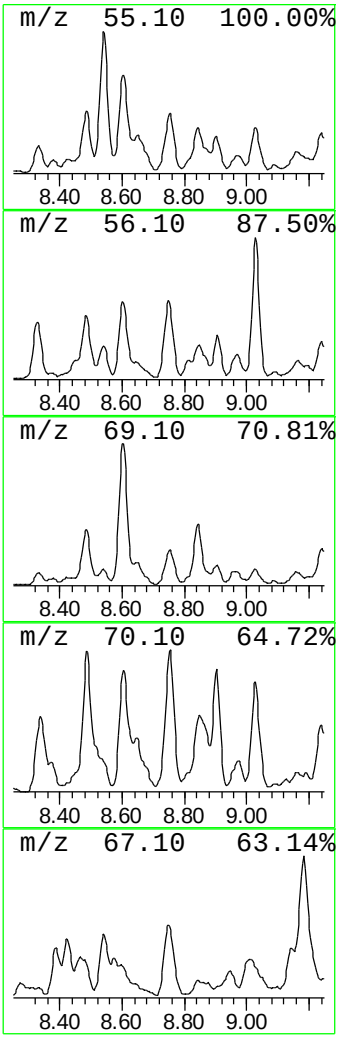
****

Peak Number 12 (DEL) Alkane: Cyclic8.75 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	22.46 ug/L	292213	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-3-Nonene	126	C9H18	020237-46-1	64
2	cis-2-Nonene	126	C9H18	006434-77-1	58
3	3-Nonene, (E)-	126	C9H18	020063-92-7	55
4	2-Nonene, (E)-	126	C9H18	006434-78-2	46
5	Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

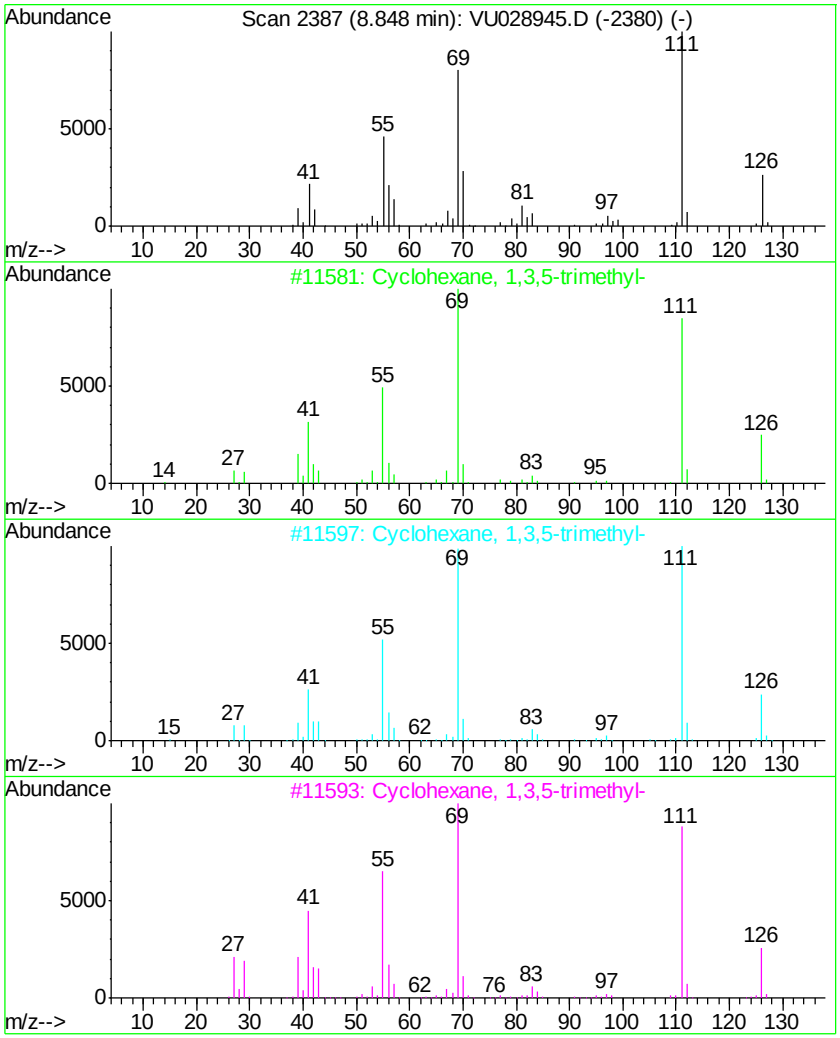
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

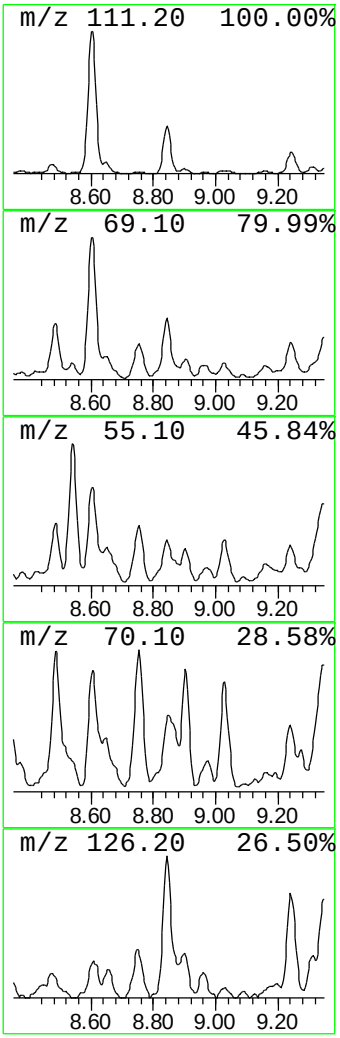
****

Peak Number 13 (DEL) Alkane: Cyclic8.85 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	18.81 ug/L	244641	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

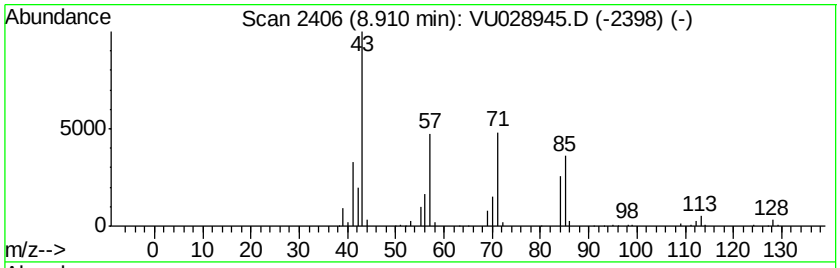
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

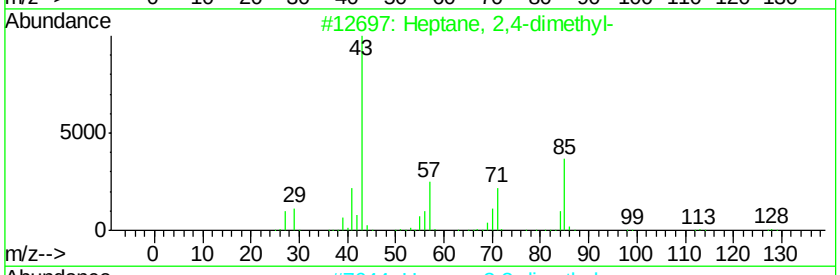
****

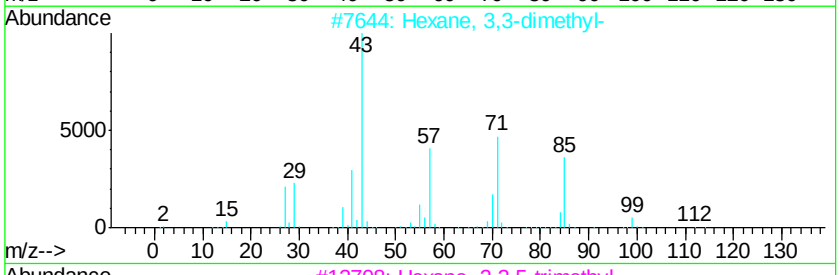
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 57

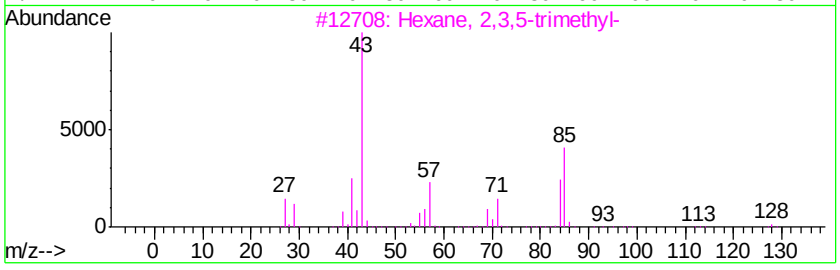
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	22.03 ug/L	286558	Chlorobenzene-d5	9.09

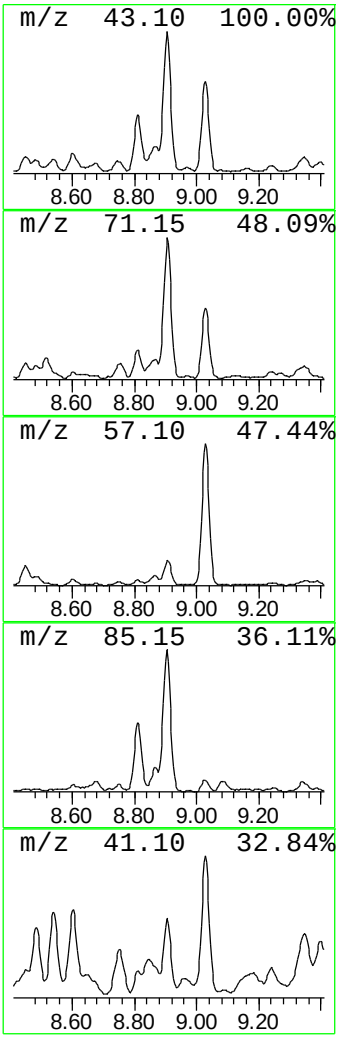
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58
4	Octane	114	C8H18	000111-65-9	53
5	Nonane	128	C9H20	000111-84-2	50











Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

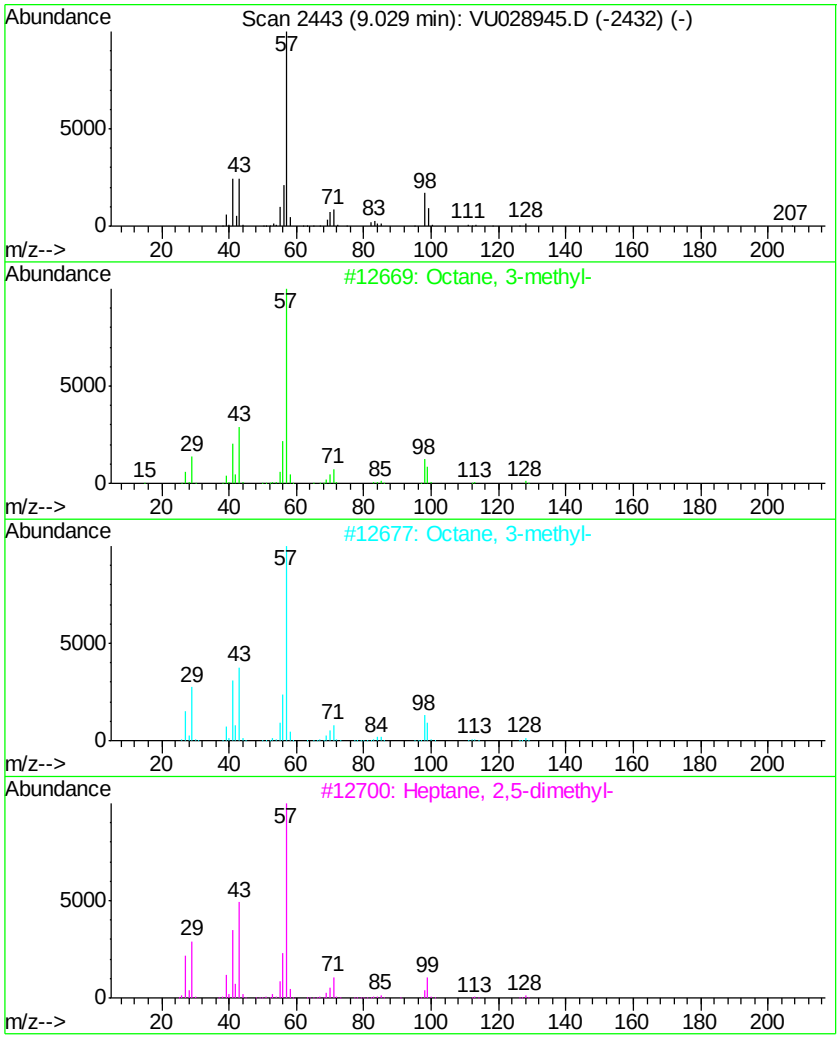
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

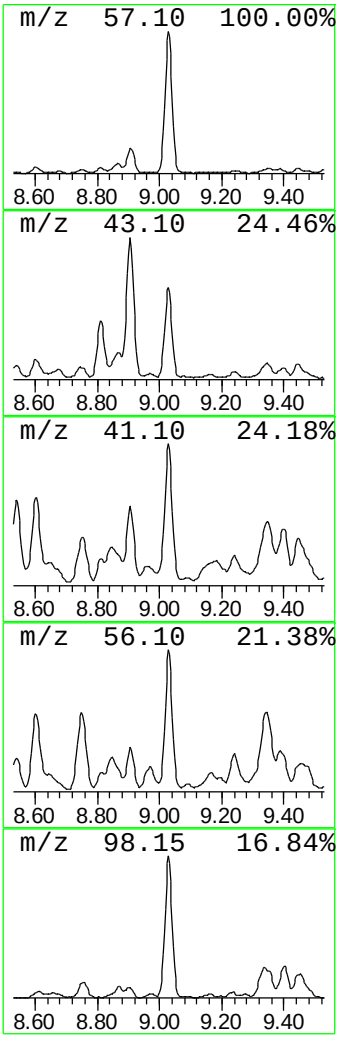
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	35.36 ug/L	459976	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Octane, 3-methyl-	128	C9H20	002216-33-3	87
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	80
5	Octane, 3-methyl-	128	C9H20	002216-33-3	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

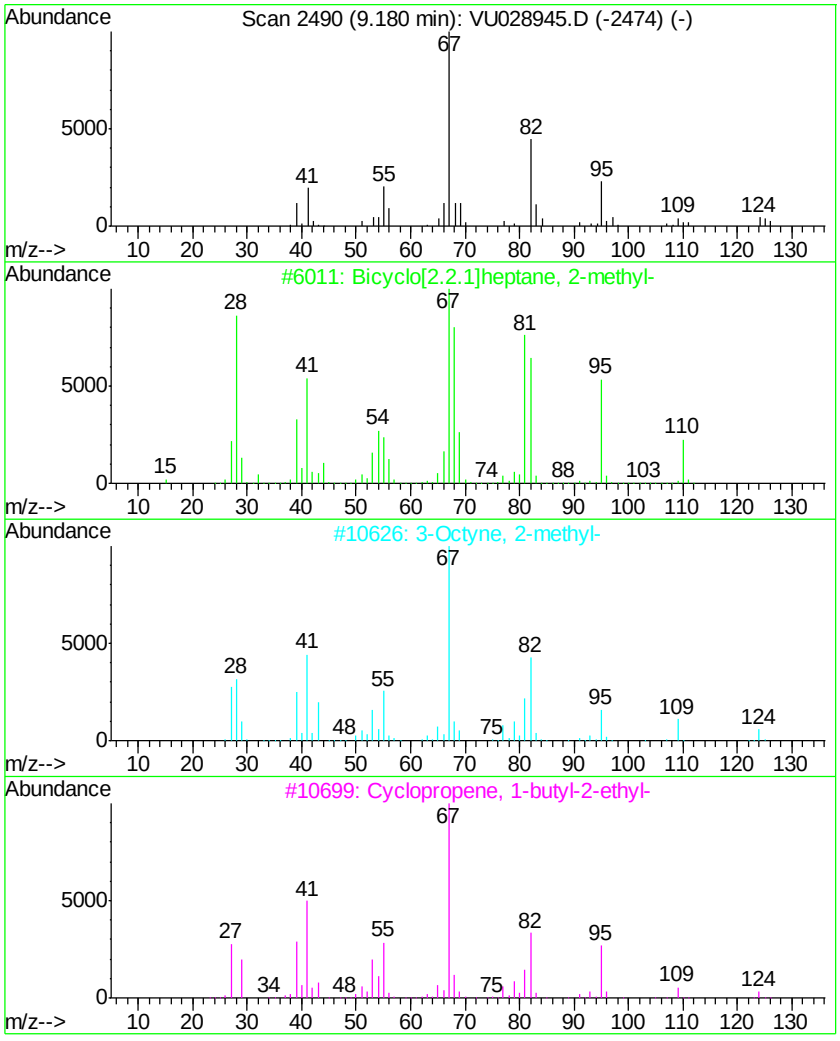
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

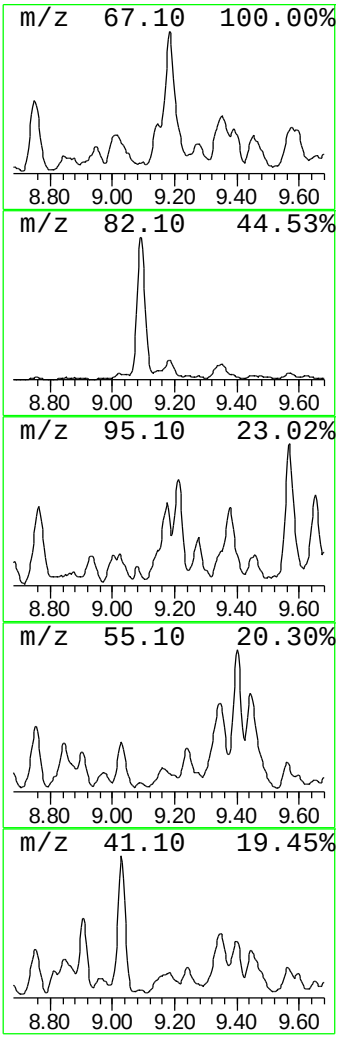
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Bicyclo[2.2.1]heptane, 2-me... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	12.10 ug/L	157344	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2-methyl-	110	C8H14	015185-11-2	64
2	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	59
3	Cyclopropene, 1-butyl-2-ethyl-	124	C9H16	050915-91-8	50
4	2-Heptyne-4-one	110	C7H10O	071932-98-4	45
5	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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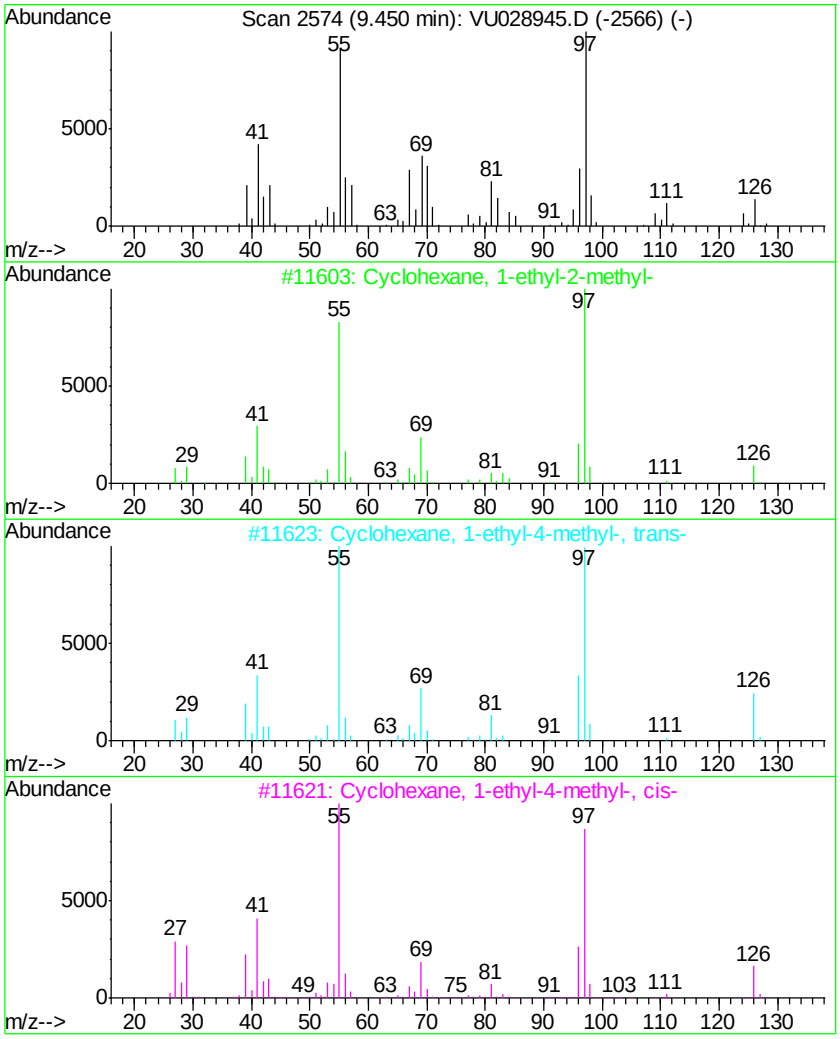
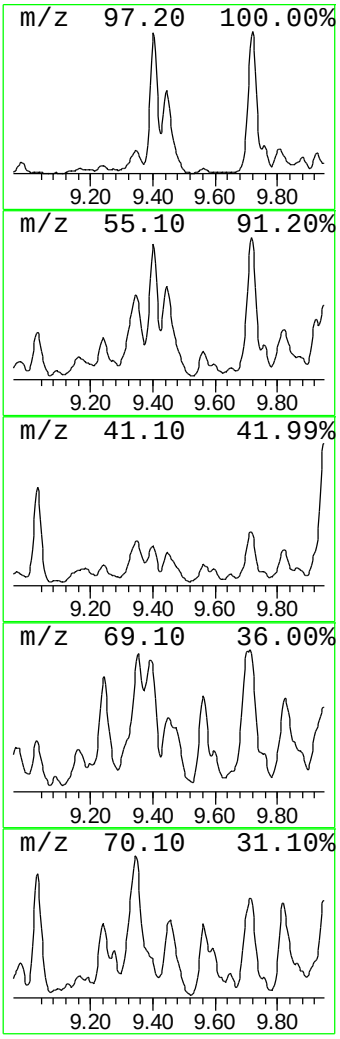
Peak Number 17 (DEL) Alkane: Cyclic9.45 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	23.38 ug/L	304099	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	64
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	64
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	59





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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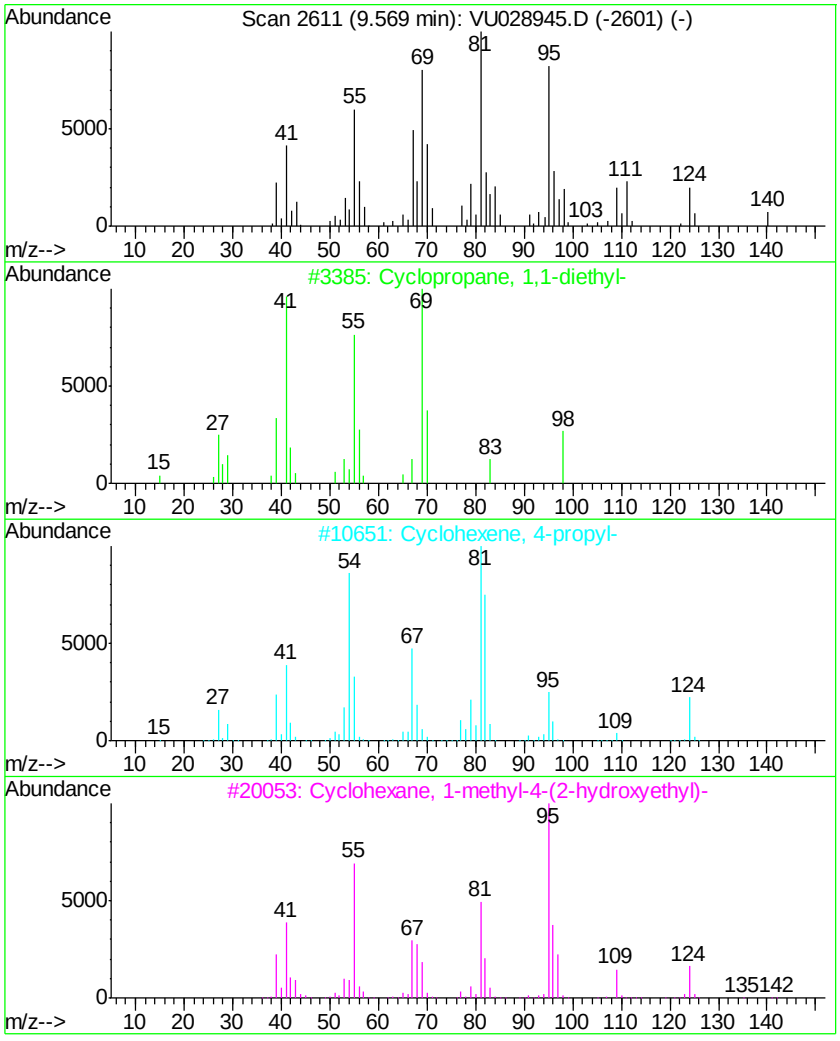
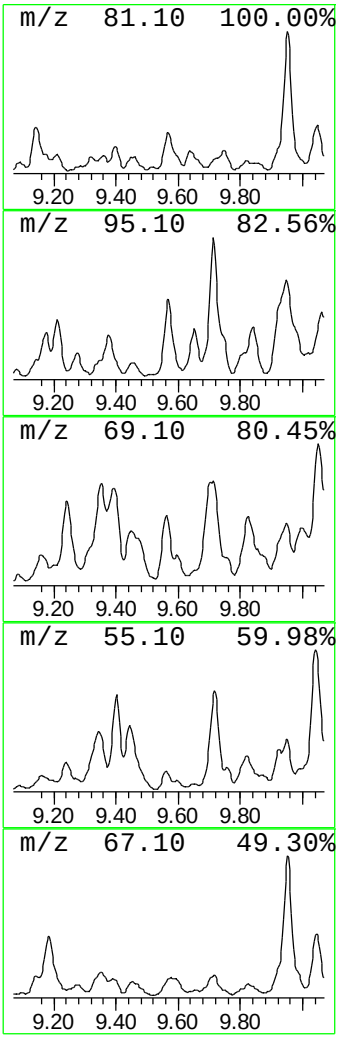
Peak Number 18 (DEL) Alkane: Cyclic9.57 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	11.71 ug/L	152300	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	30
2	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	30
3	Cyclohexane, 1-methyl-4-(2-hydro...	142	C9H18O	004916-87-4	22
4	Cyclopropane, 1-(1,1-dimethyleth...	110	C8H14	061142-25-4	22
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	18





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Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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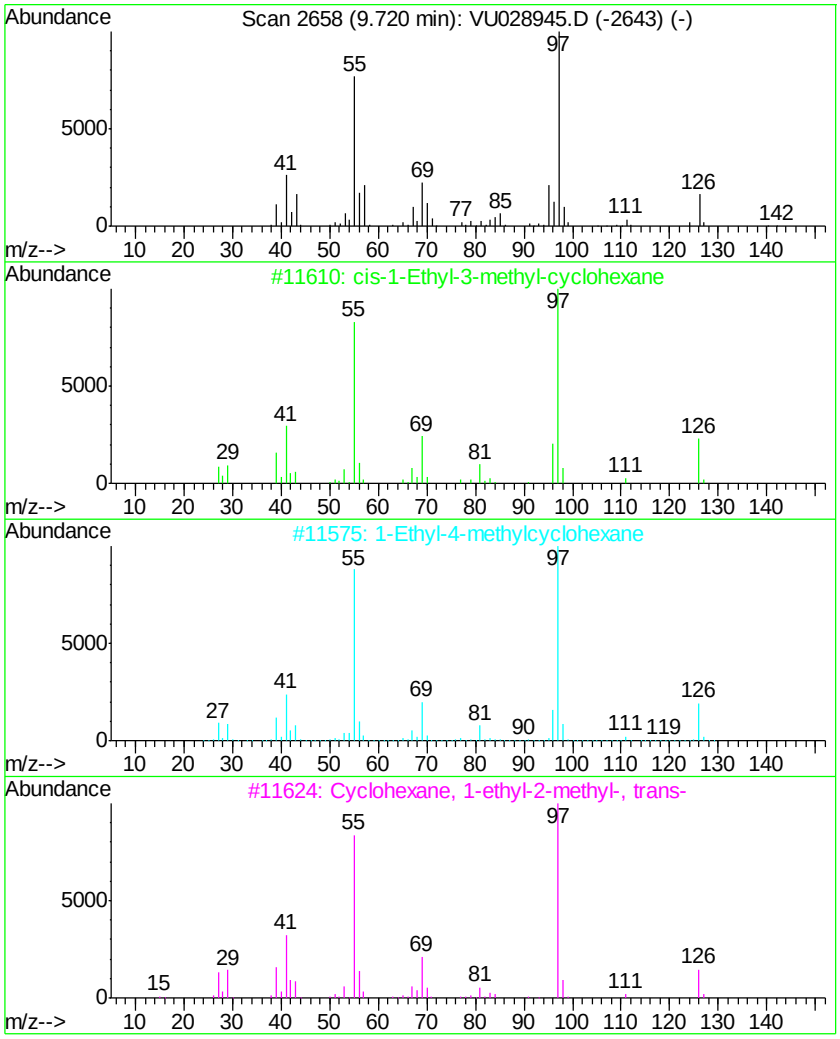
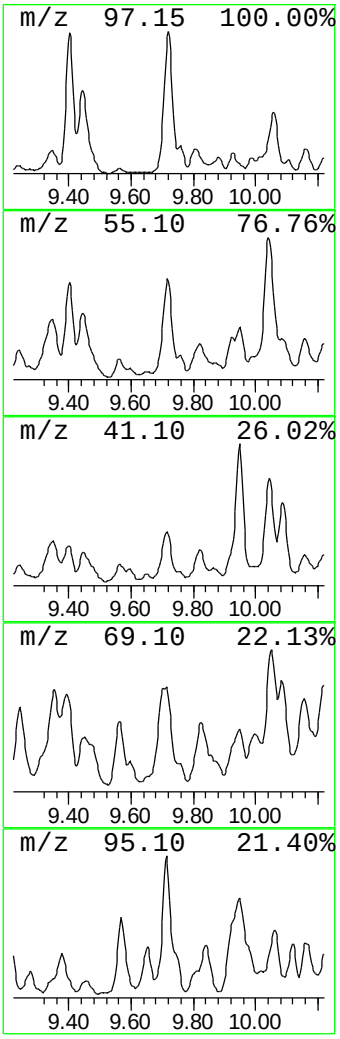
Peak Number 19 (DEL) Alkane: Cyclic9.72 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	35.51 ug/L	461911	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	76
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	68
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	68
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	64
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64





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Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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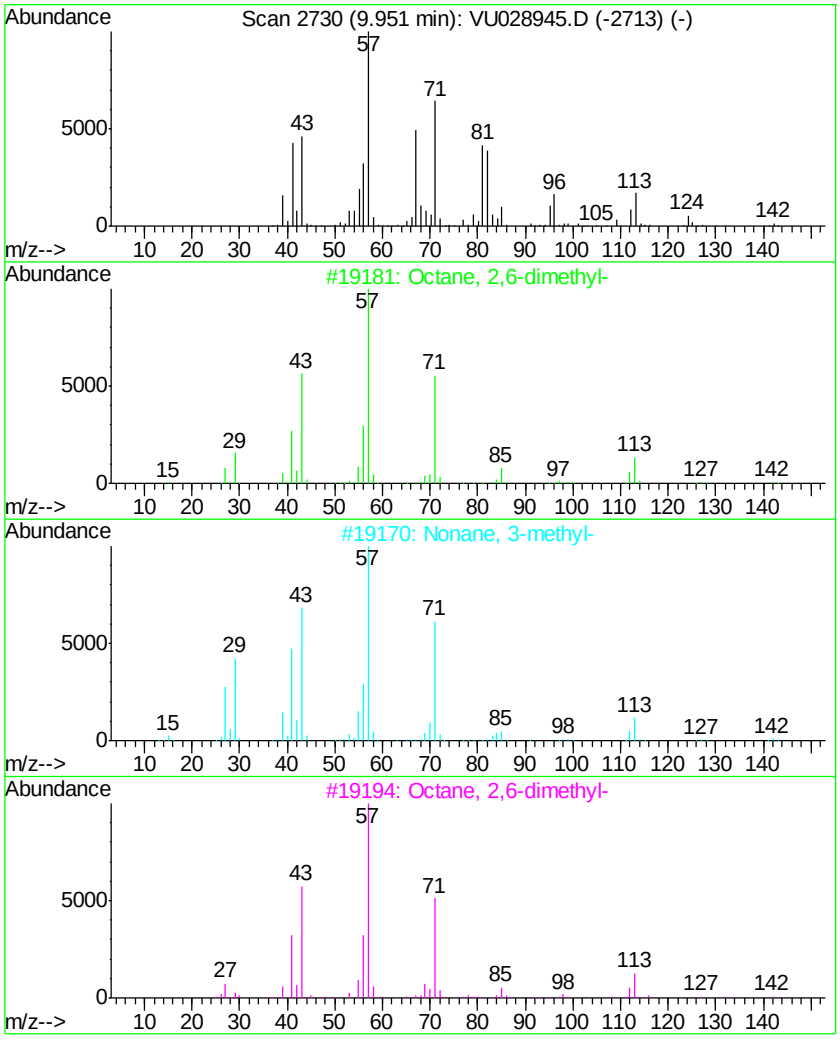
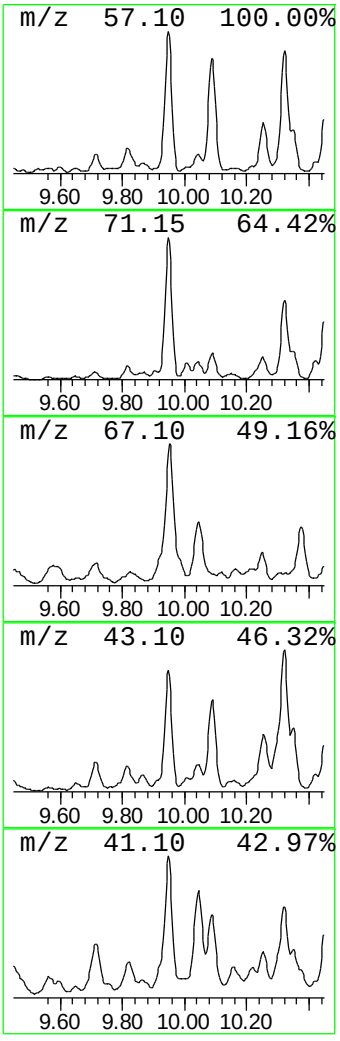
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	79.56 ug/L	1035020	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	55
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	55
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	55
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	42





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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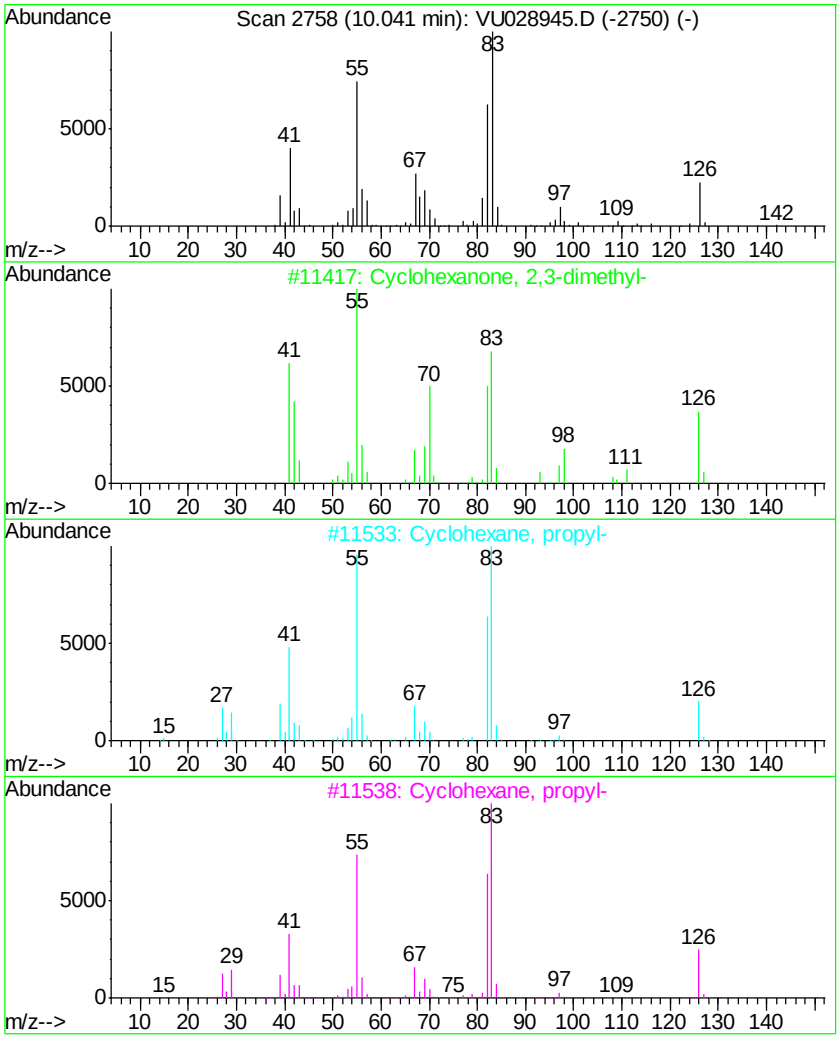
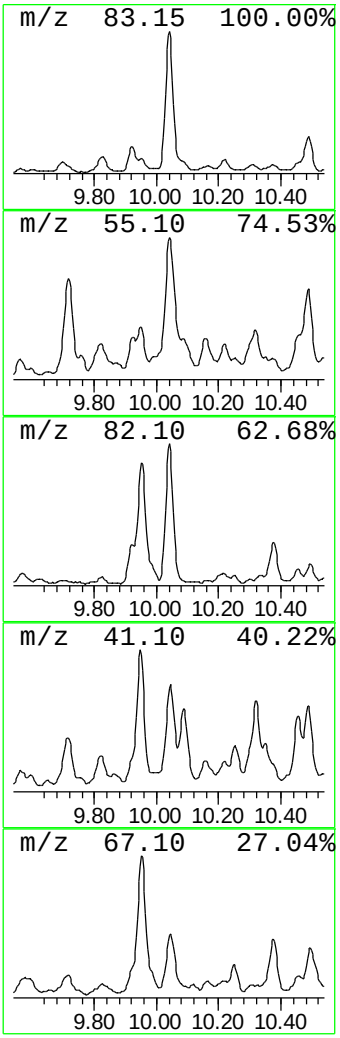
Peak Number 21 Cyclohexanone, 2,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	42.27 ug/L	549827	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	83
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	68
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	53





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Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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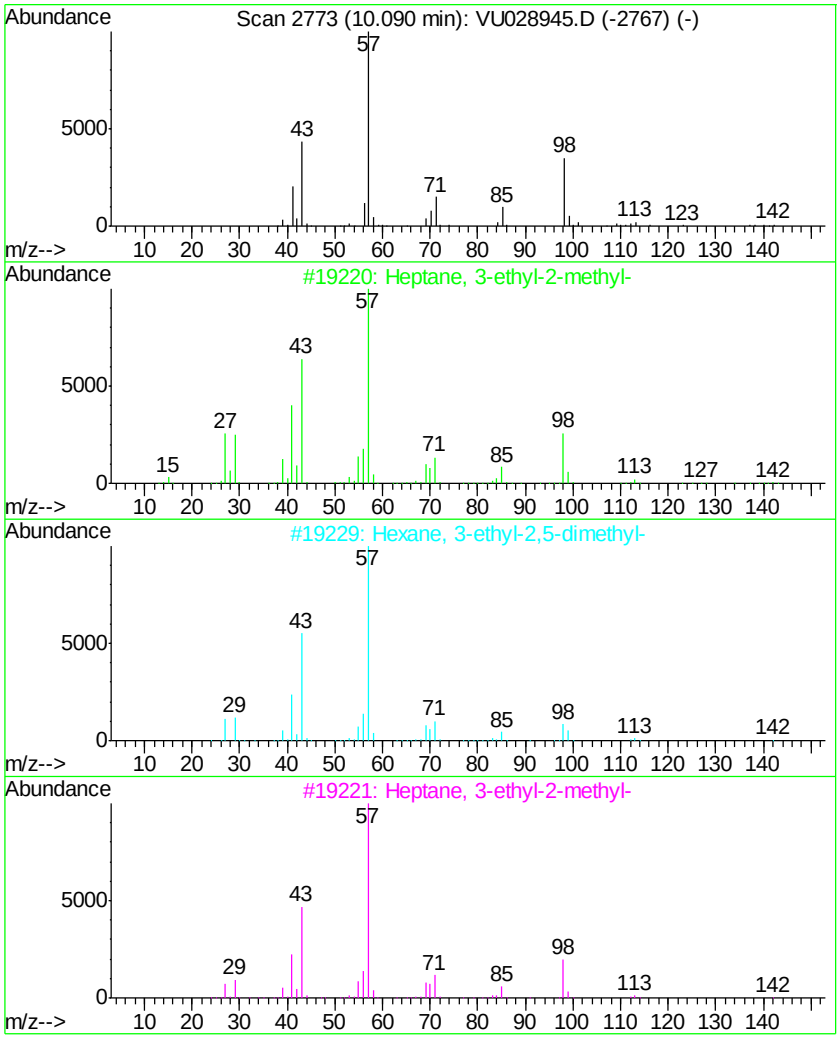
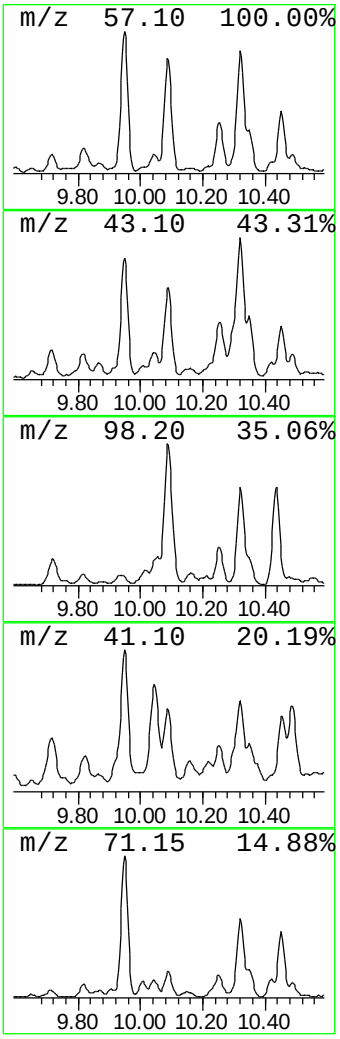
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	30.79 ug/L	400473	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
2	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	64
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	53
5	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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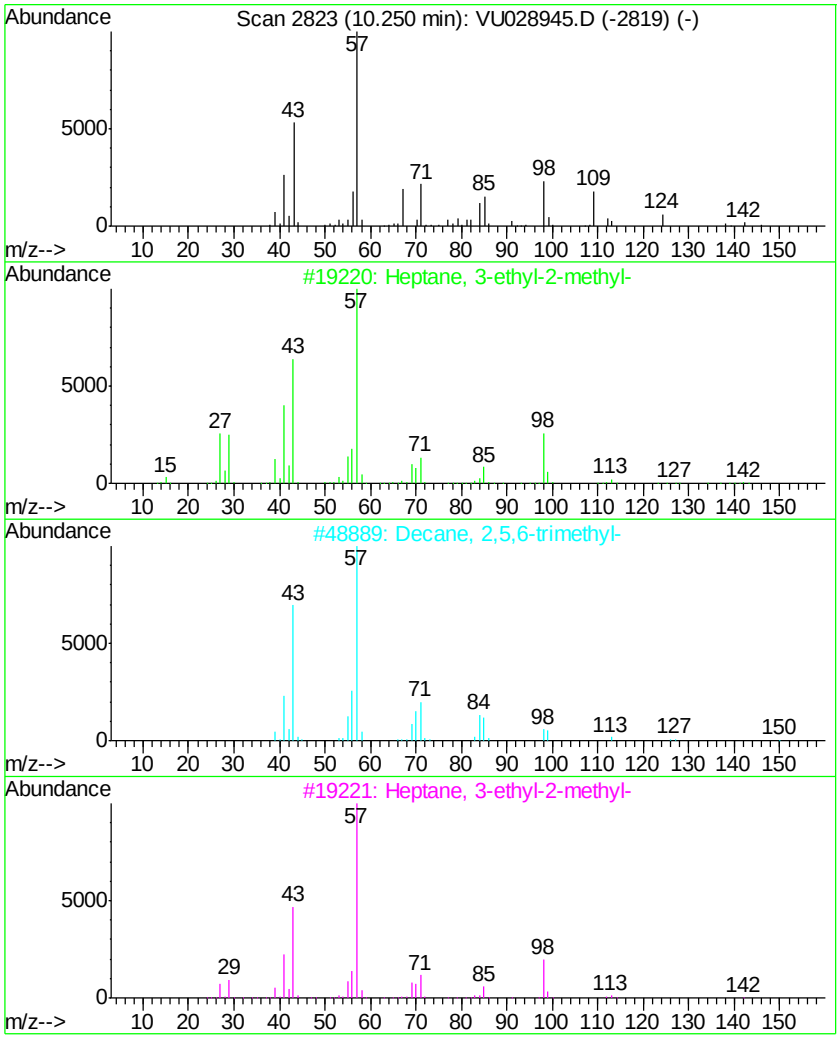
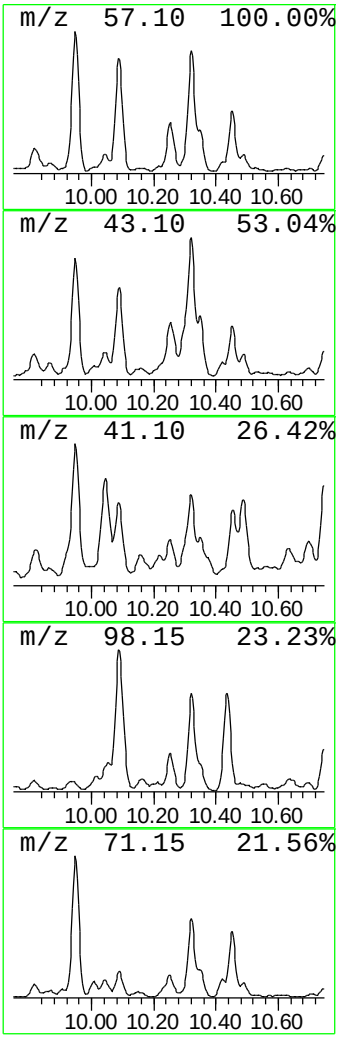
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	12.06 ug/L	156833	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
2	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
4	1,3,2-Dioxaborolane, 4,4-dimethy...	142	C6H11BO3	1000063-89-2	47
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38





Library Search Compound Report

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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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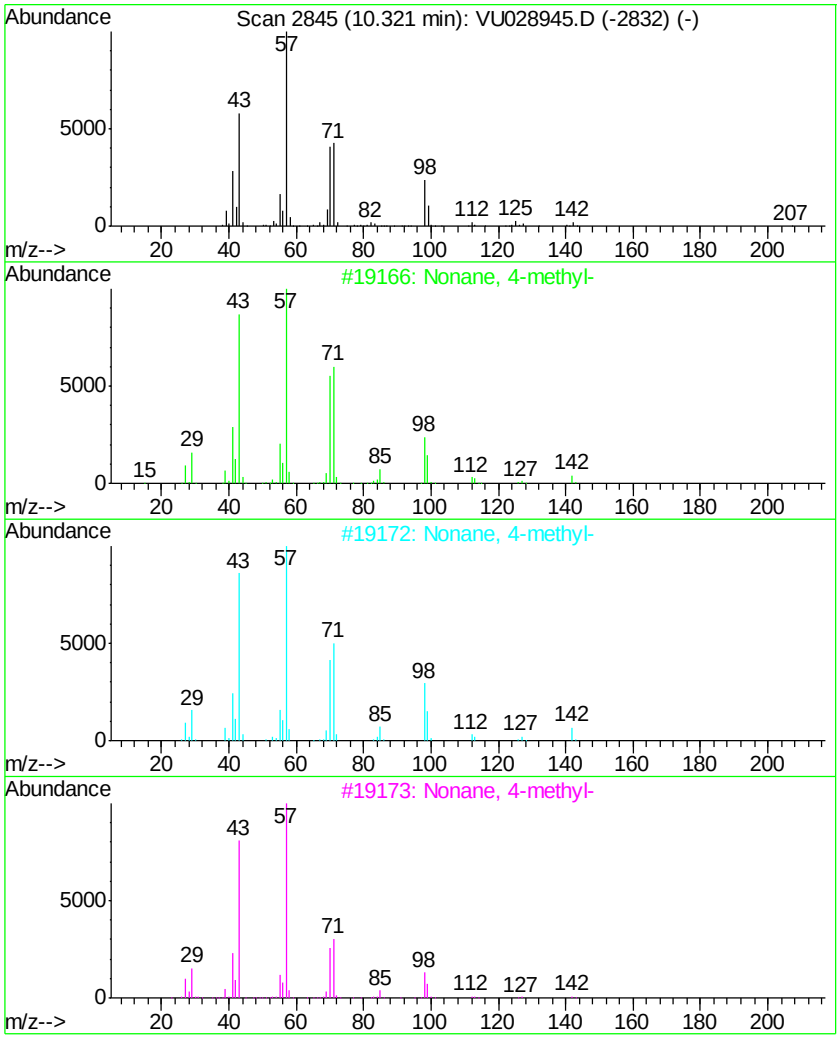
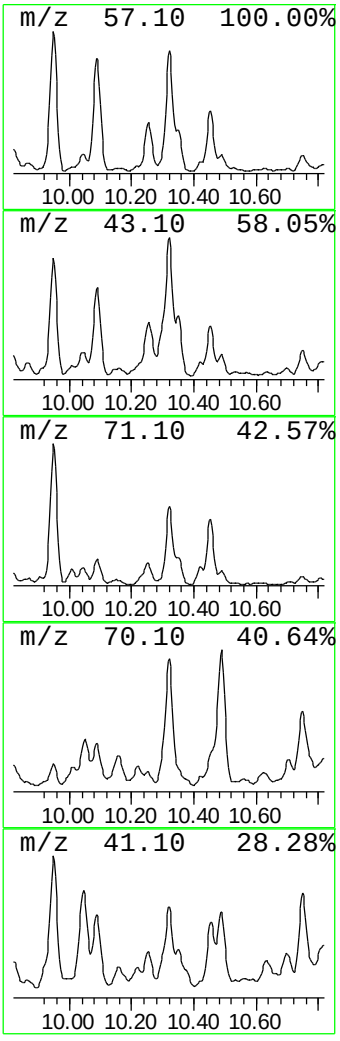
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	30.05 ug/L	518605	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	80
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	72
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	59
5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59





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Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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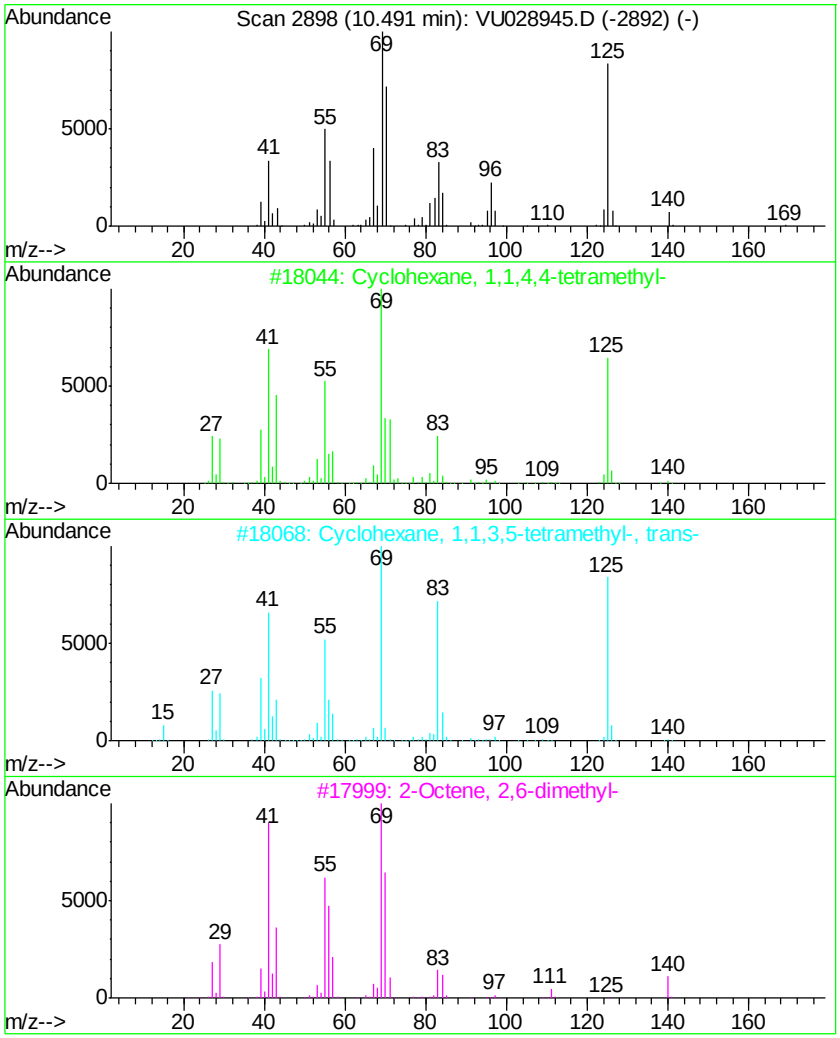
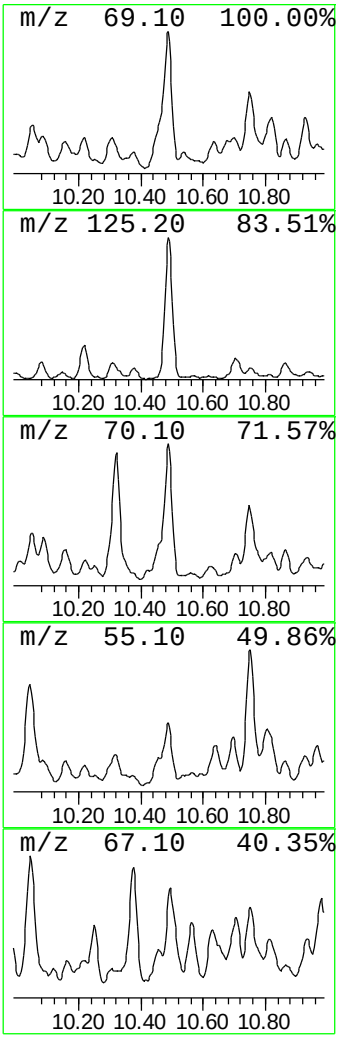
Peak Number 25 (DEL) Alkane: Cyclic10.49 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	29.79 ug/L	514185	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	64
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	47
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
4	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	40
5	3-Cyclopentylpropionic acid, 2-m...	212	C13H24O2	1000331-24-1	38





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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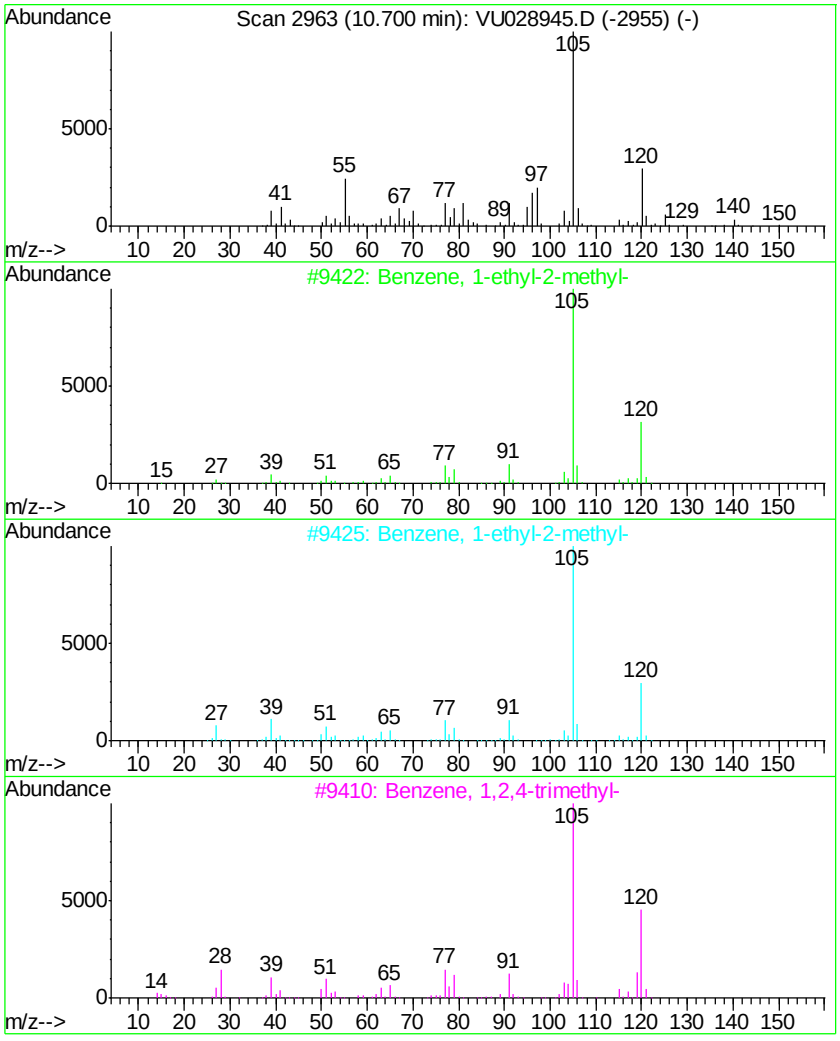
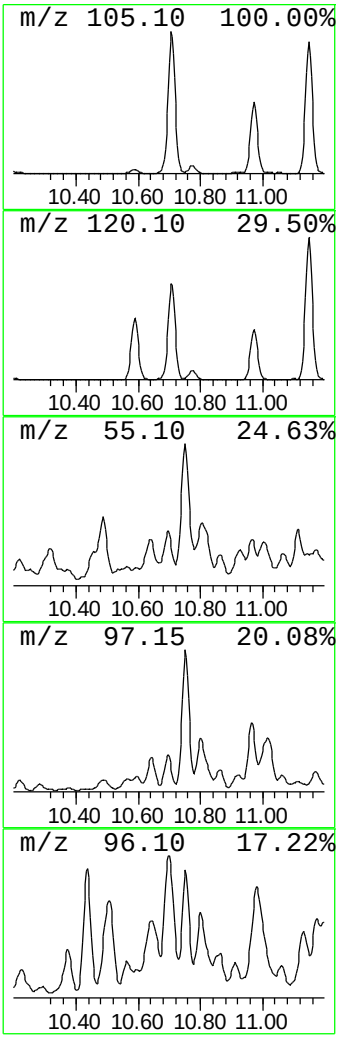
Peak Number 26 Benzene, 1-ethyl-2-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	23.23 ug/L	400863	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	92
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	64
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64
5	Mesitylene	120	C9H12	000108-67-8	64





Library Search Compound Report

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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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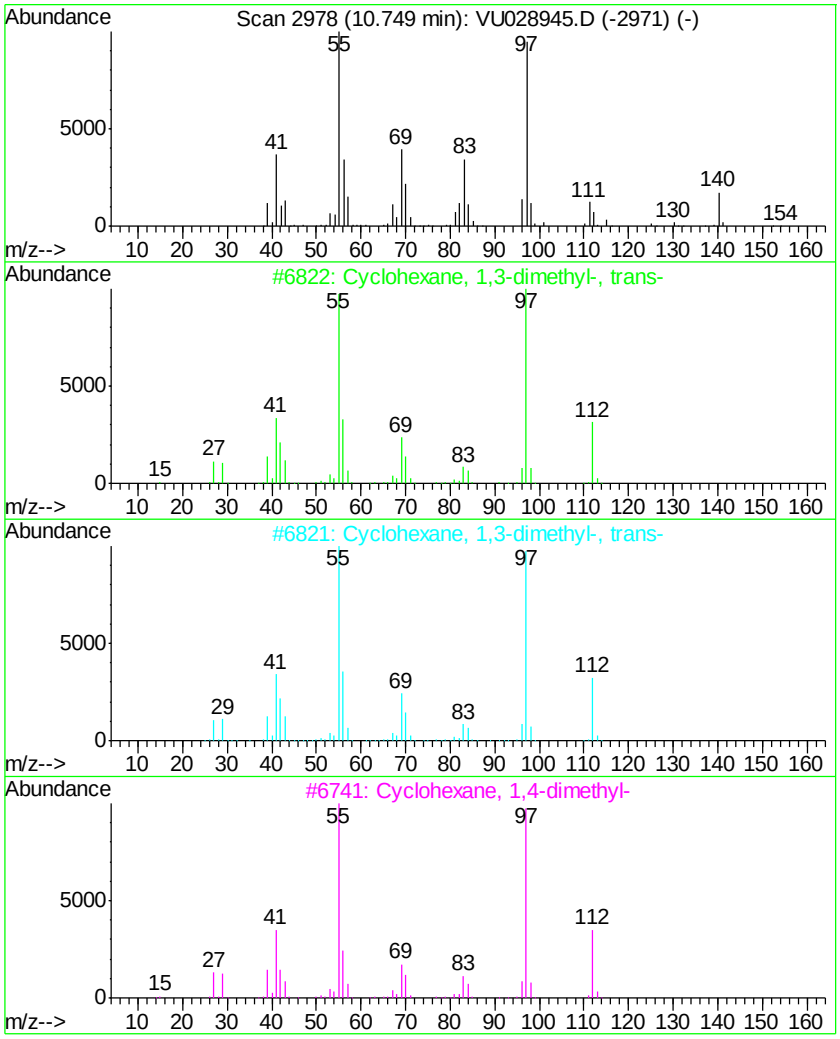
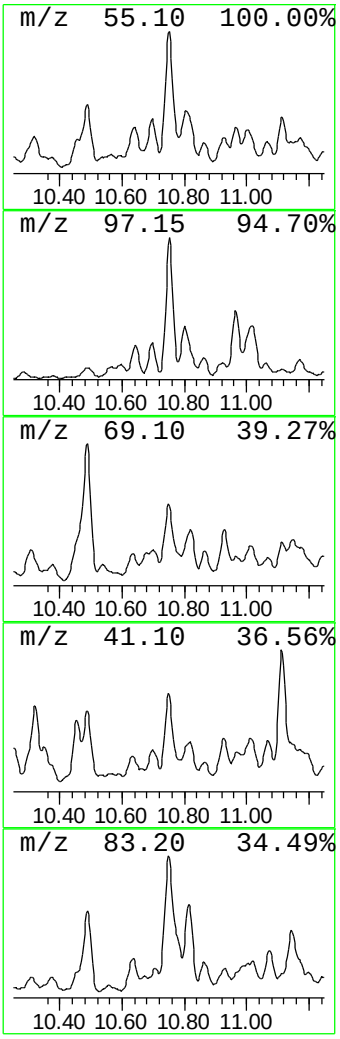
Peak Number 27 (DEL) Alkane: Cyclic10.75 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	29.95 ug/L	516969	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	83
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	58
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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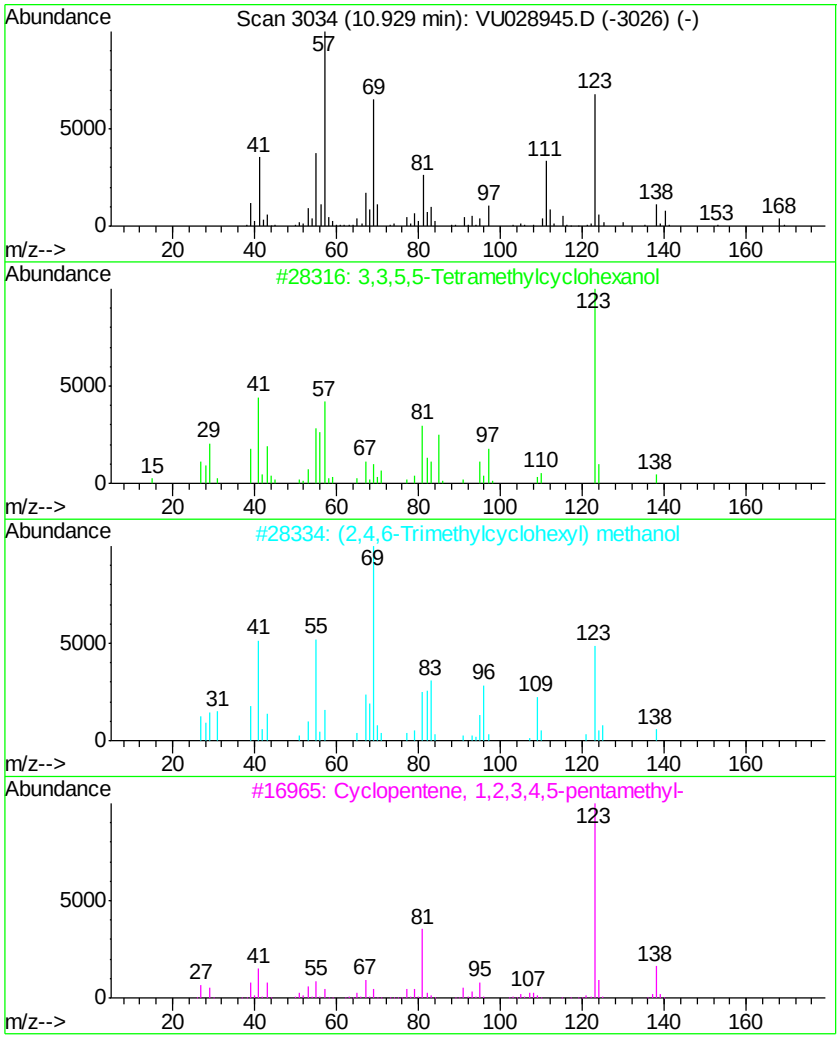
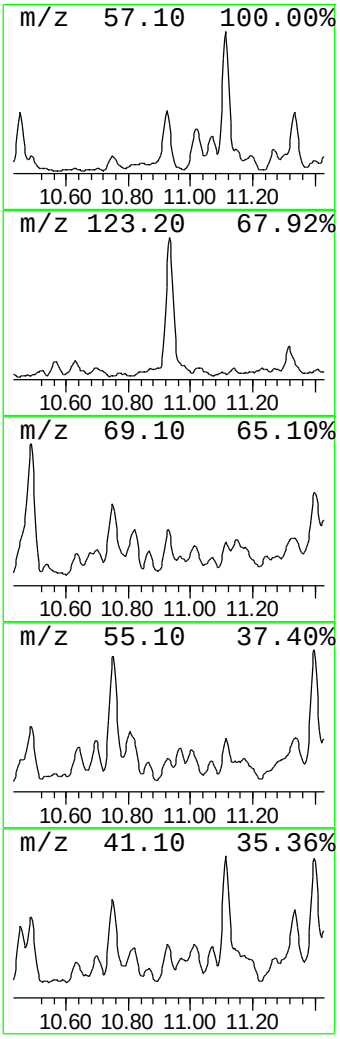
Peak Number 28 unknown-01 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	14.31 ug/L	247042	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3,5,5-Tetramethylcyclohexanol	156	C10H20O	002650-40-0	43
2	(2,4,6-Trimethylcyclohexyl) meth...	156	C10H20O	013702-56-2	43
3	Cyclopentene, 1,2,3,4,5-pentamet...	138	C10H18	1000154-28-6	30
4	5-t-Butyl-4-methylimidazole	138	C8H14N2	146979-50-2	30
5	Cyclopentene, 1,2,3,3,4-pentamet...	138	C10H18	197390-29-7	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

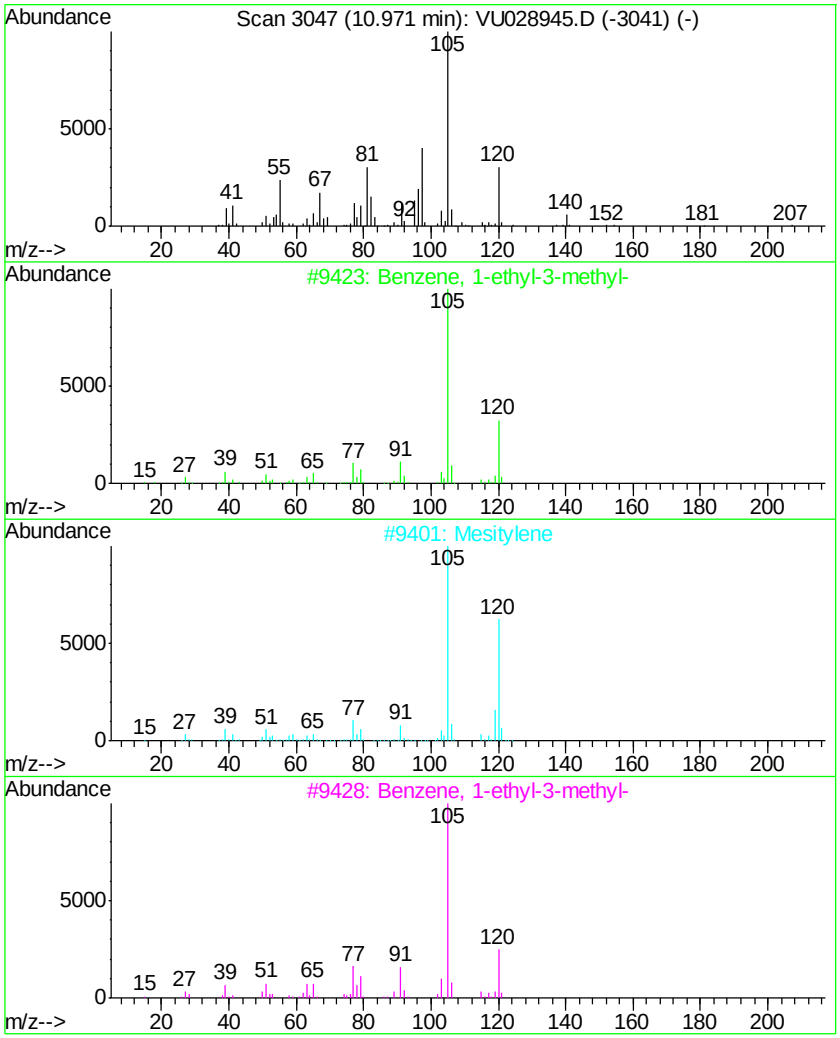
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

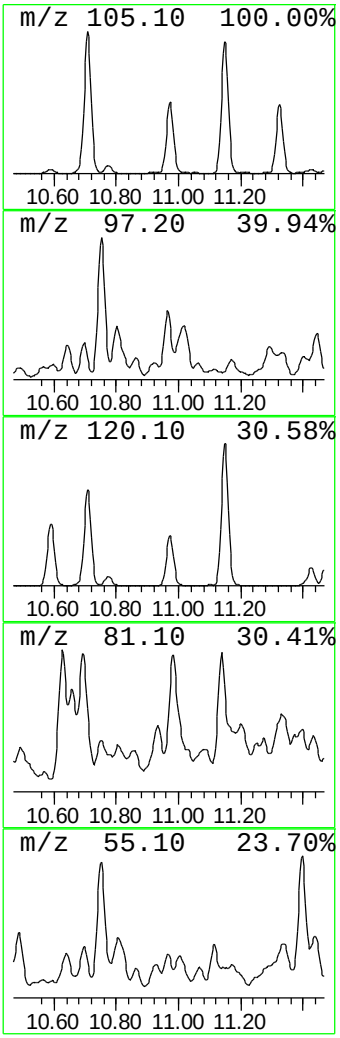
****

Peak Number 29 Benzene, 1-ethyl-3-methyl- Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	13.03 ug/L	224857	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	55
2	Mesitylene	120	C9H12	000108-67-8	42
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	42
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	42
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

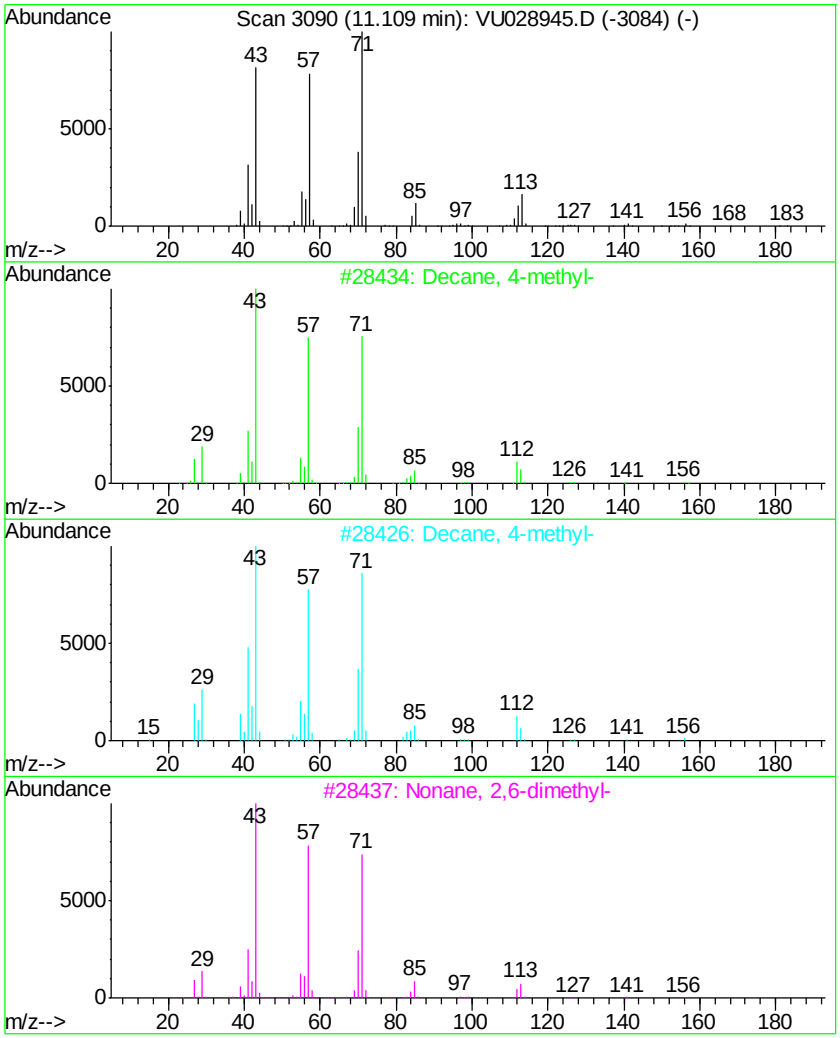
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

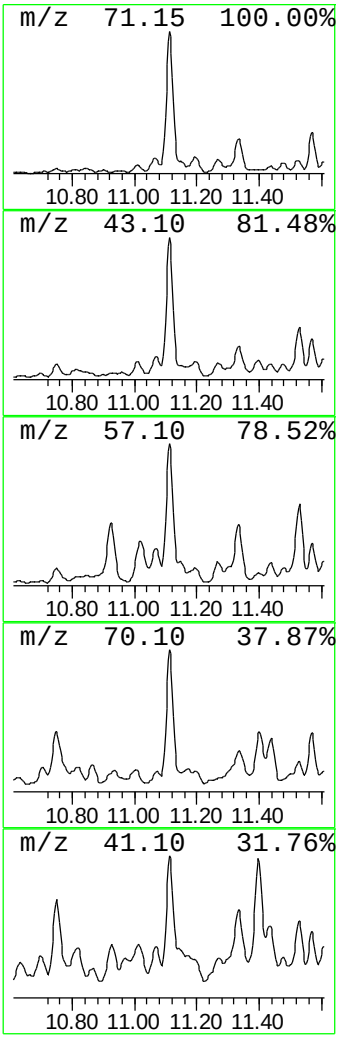
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	39.05 ug/L	674027	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2	Decane, 4-methyl-	156	C11H24	002847-72-5	80
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	78
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	72
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	72





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

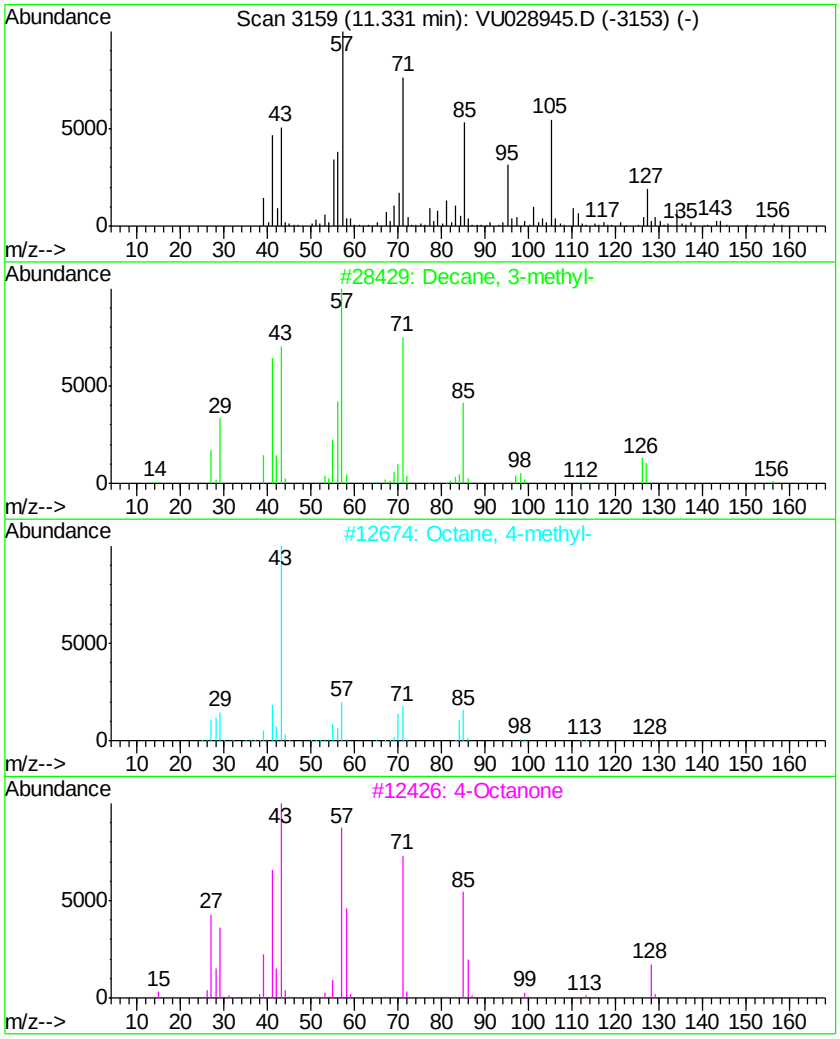
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

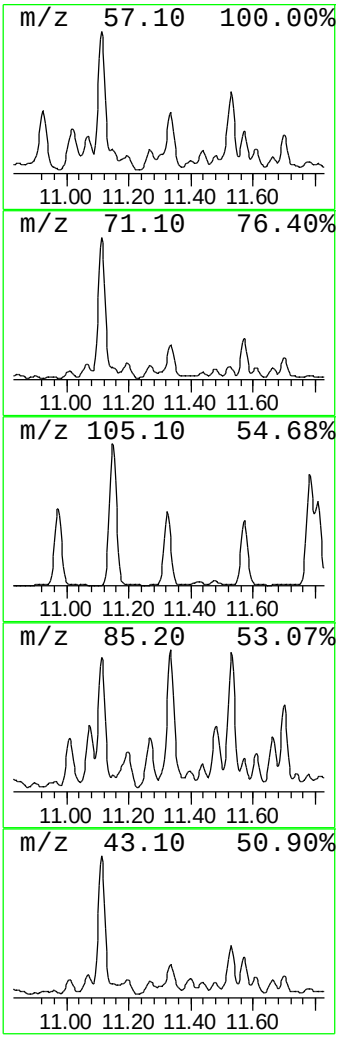
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	27.07 ug/L	467266	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	76
2	Octane, 4-methyl-	128	C9H20	002216-34-4	47
3	4-Octanone	128	C8H16O	000589-63-9	43
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	43
5	4-Octanone	128	C8H16O	000589-63-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

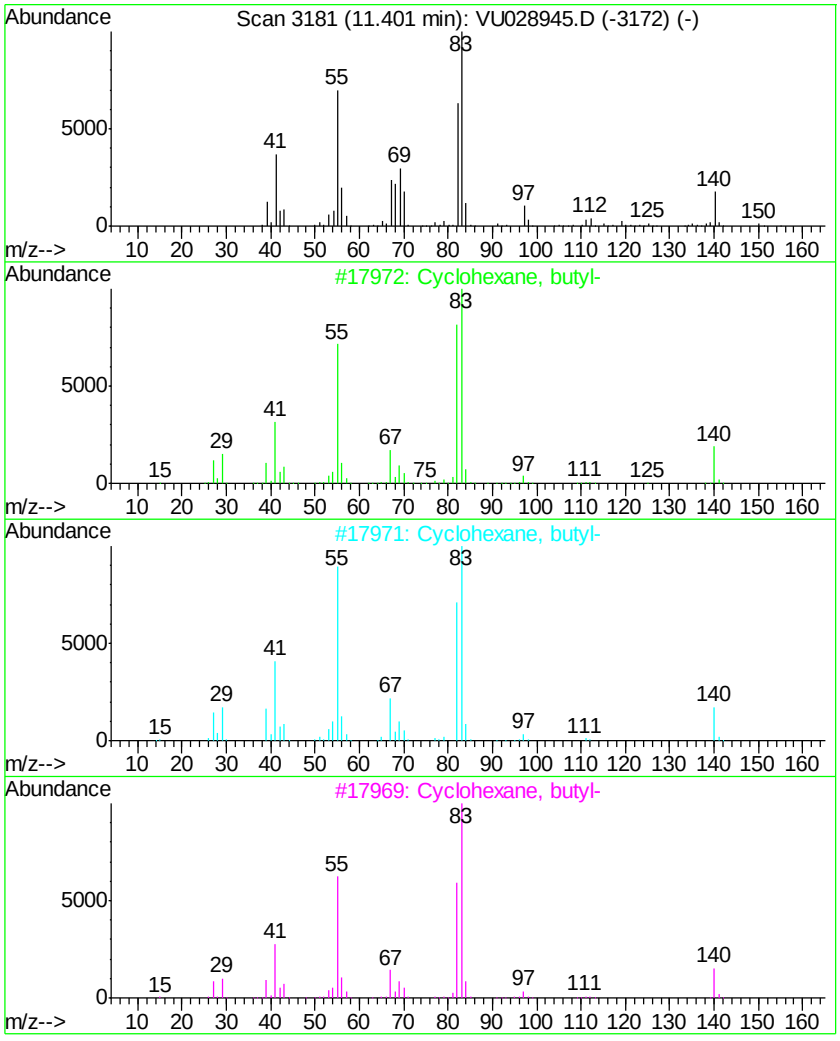
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

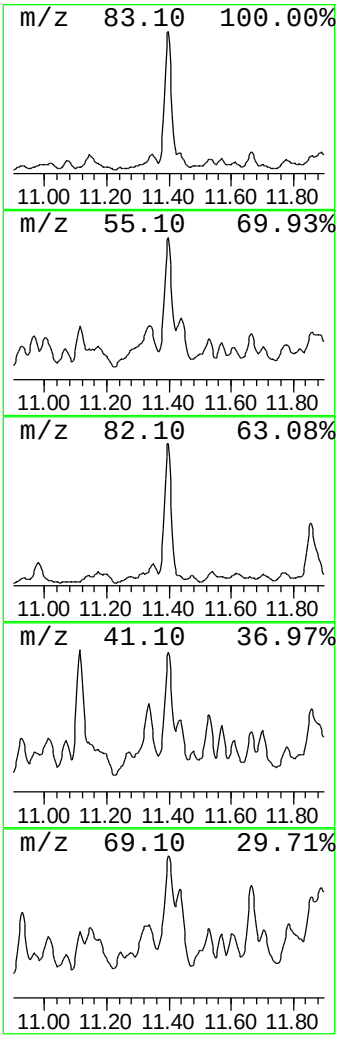
****

Peak Number 32 (DEL) Alkane: Cyclic11.40 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	38.11 ug/L	657806	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	83
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	80
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

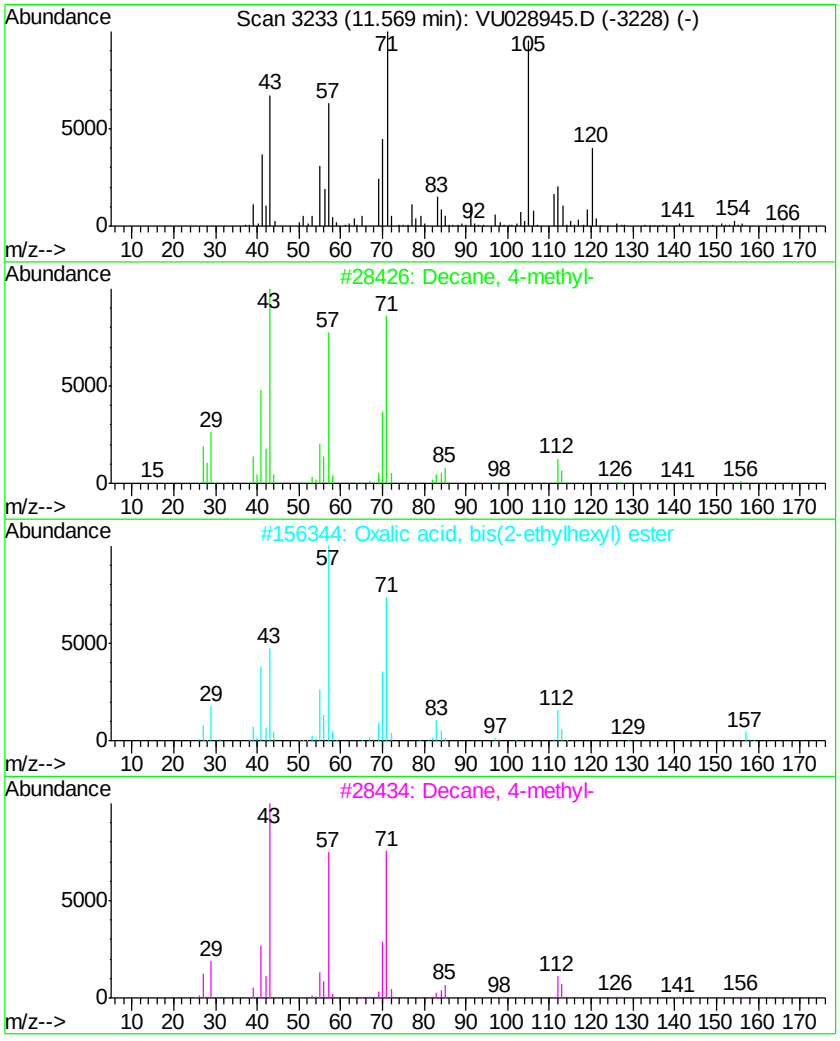
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

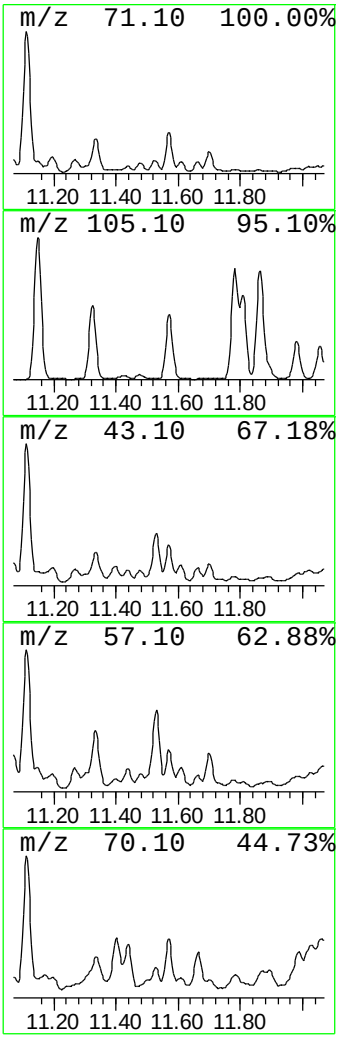
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	12.91 ug/L	222857	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	62
2	Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	52
3	Decane, 4-methyl-	156	C11H24	002847-72-5	50
4	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	43
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

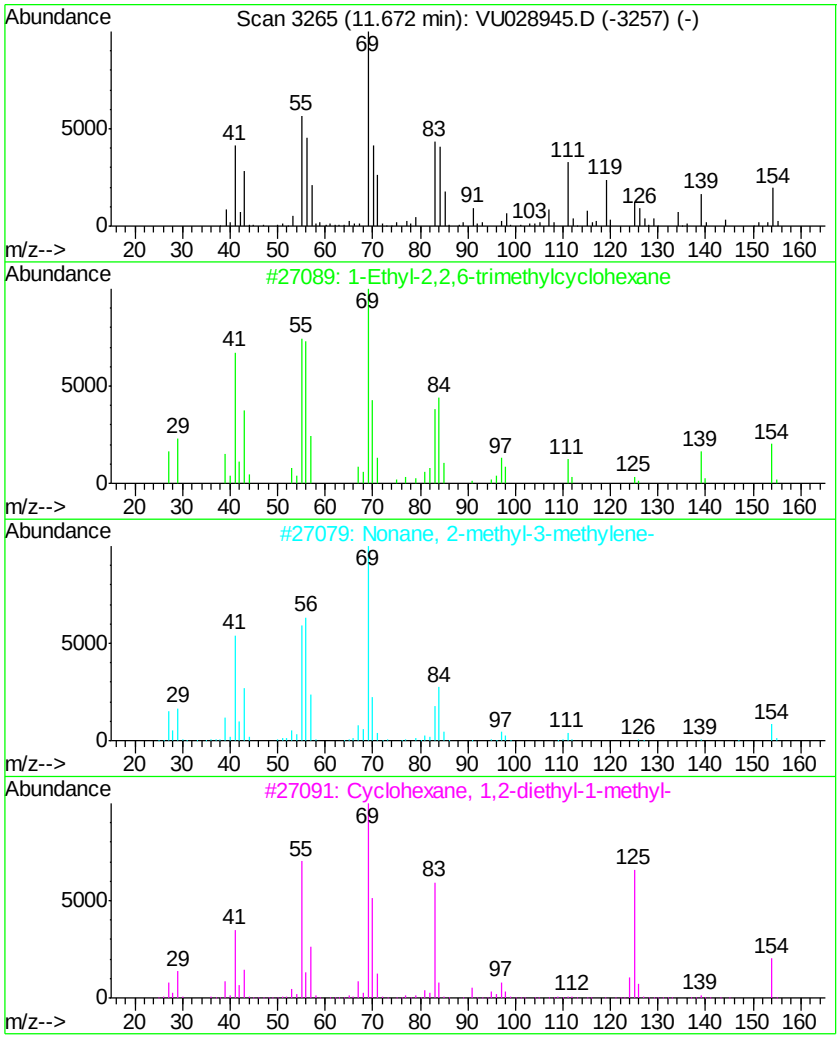
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

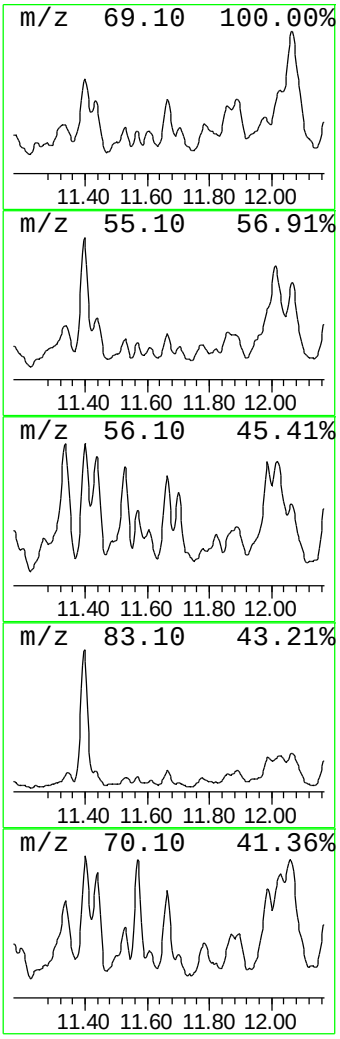
****

Peak Number 34 (DEL) Alkane: Cyclic11.67 Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	9.20 ug/L	158698	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	87
2	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	53
3	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	52
4	4-Decene, 2-methyl-, (Z)-	154	C11H22	055499-07-5	43
5	4-Decene, 2-methyl-, (E)-	154	C11H22	028665-56-7	43





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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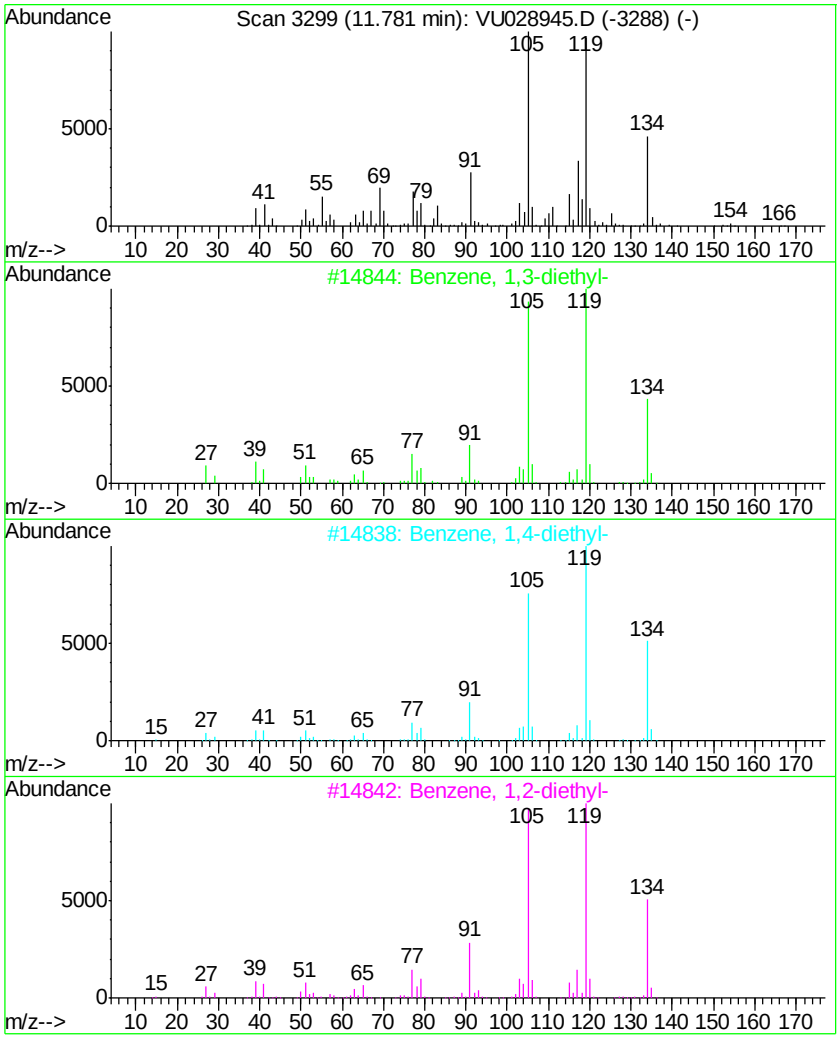
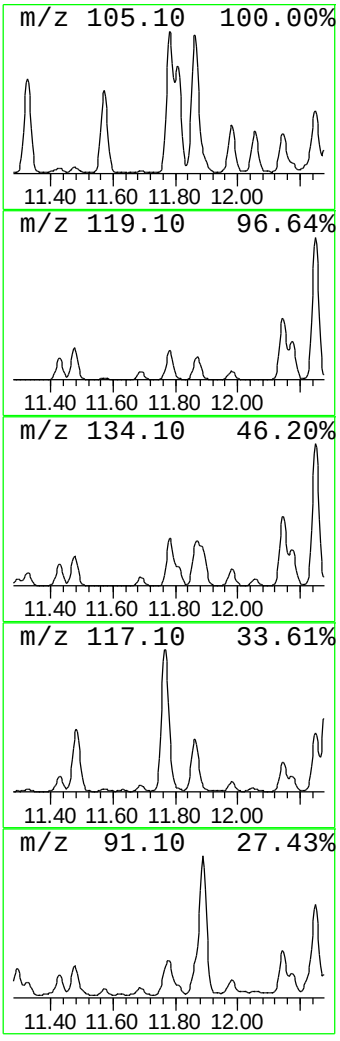
Peak Number 35 Benzene, 1,3-diethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	38.29 ug/L	660827	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	70
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	70
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	70
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	70





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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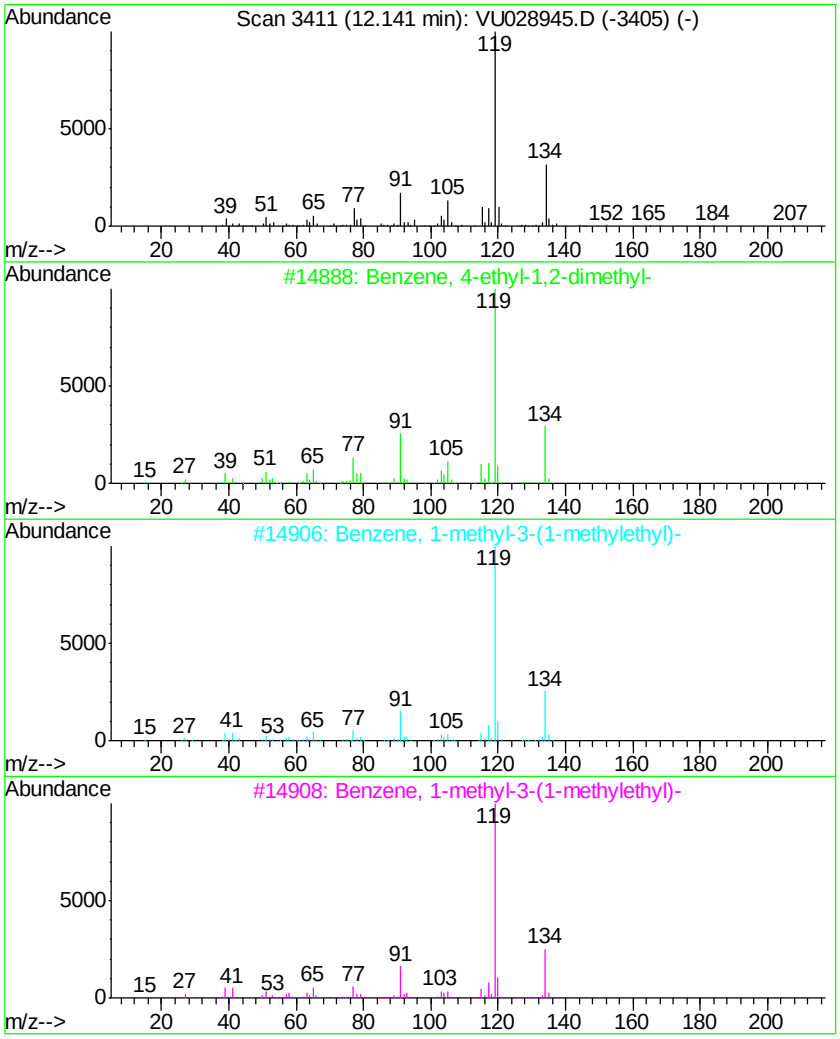
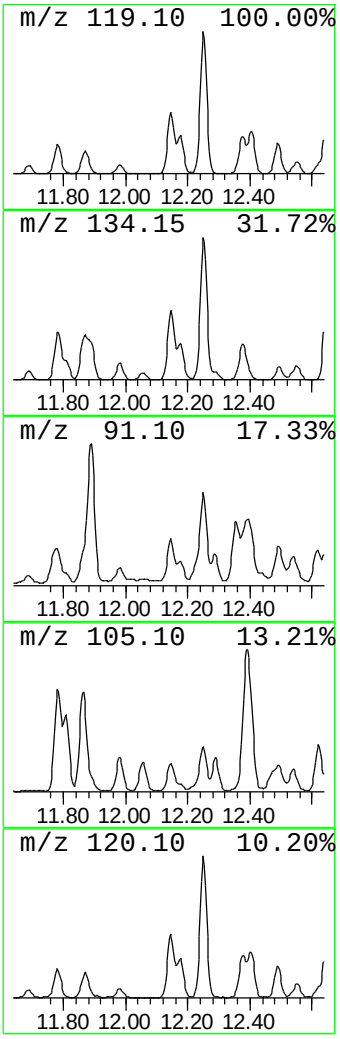
Peak Number 36 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	25.51 ug/L	440249	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

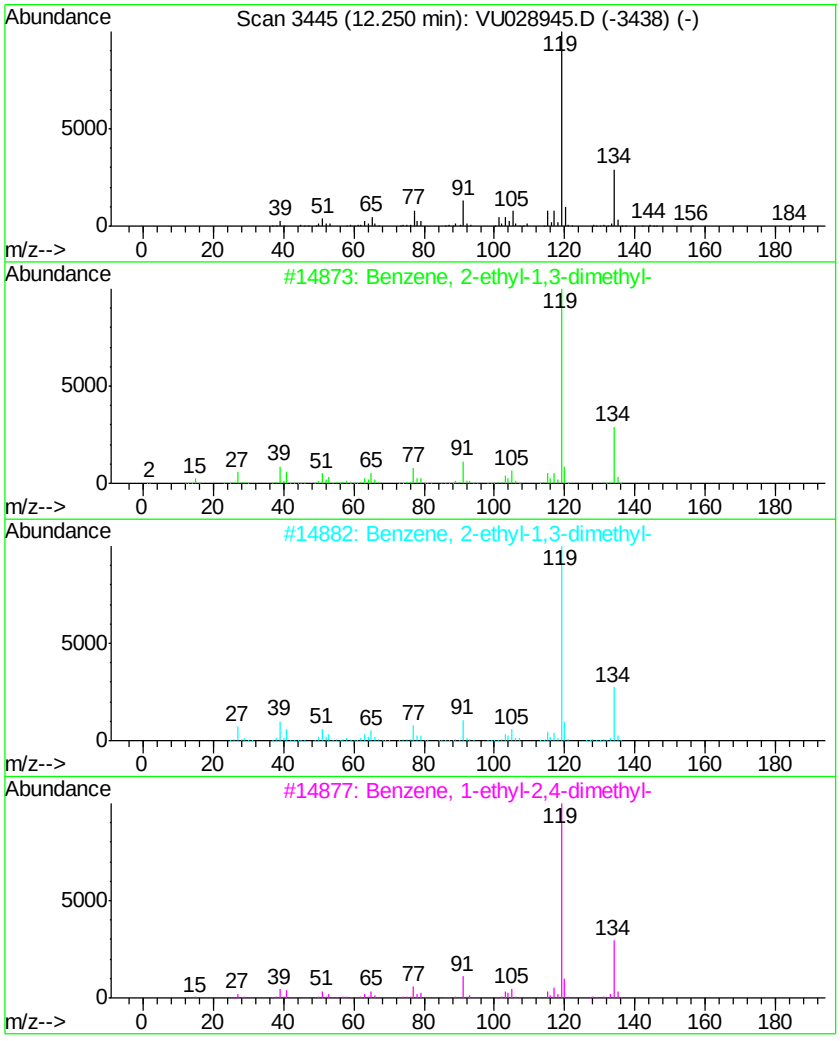
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

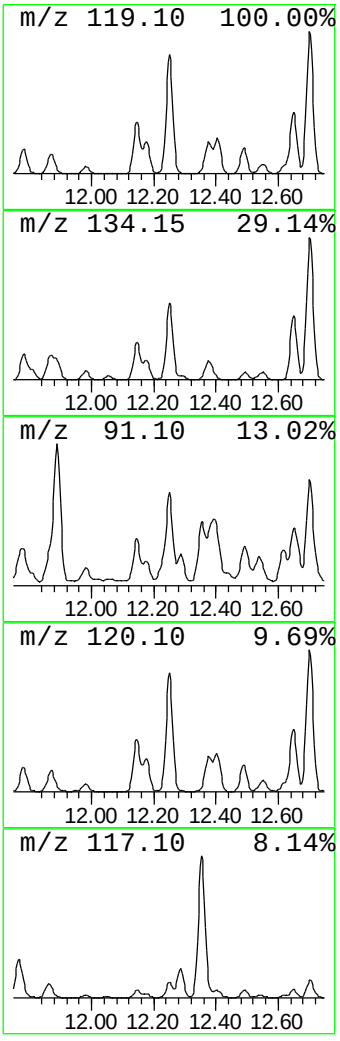
****

Peak Number 37 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	42.86 ug/L	739669	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

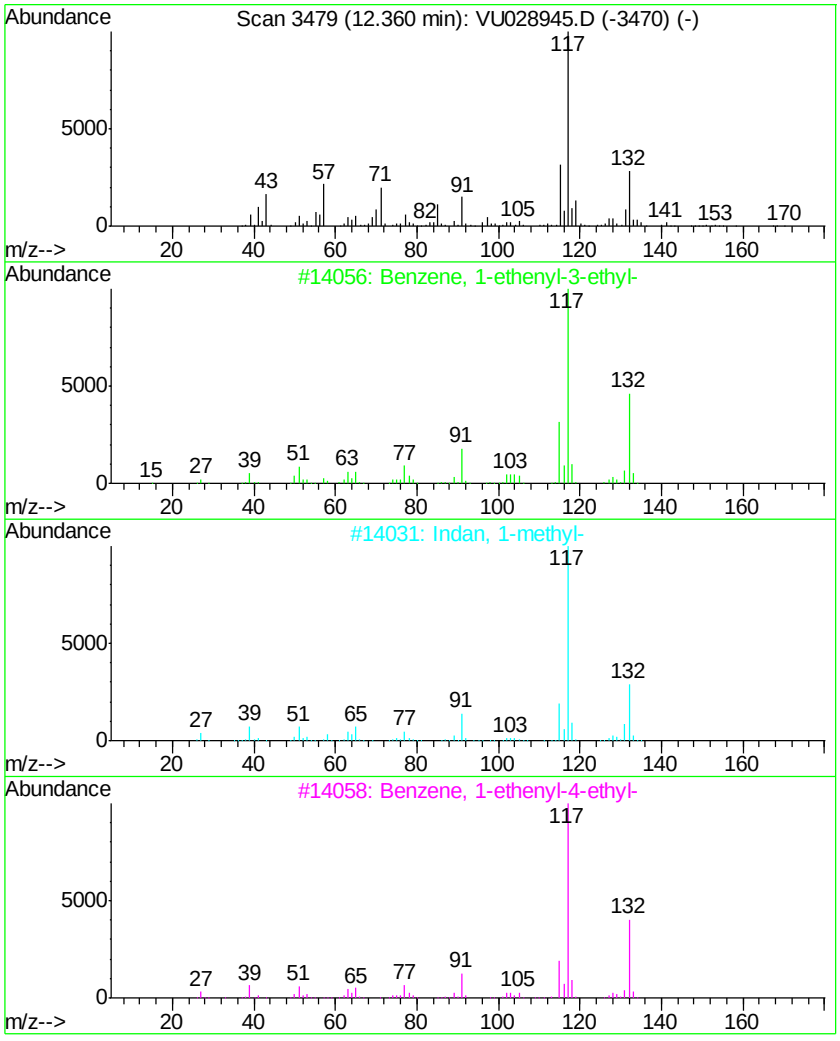
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

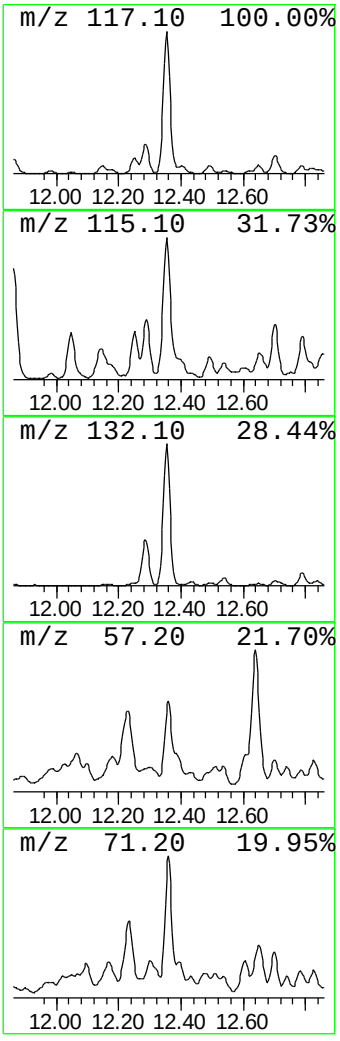
****

Peak Number 38 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	67.22 ug/L	1160200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	76
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	74
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

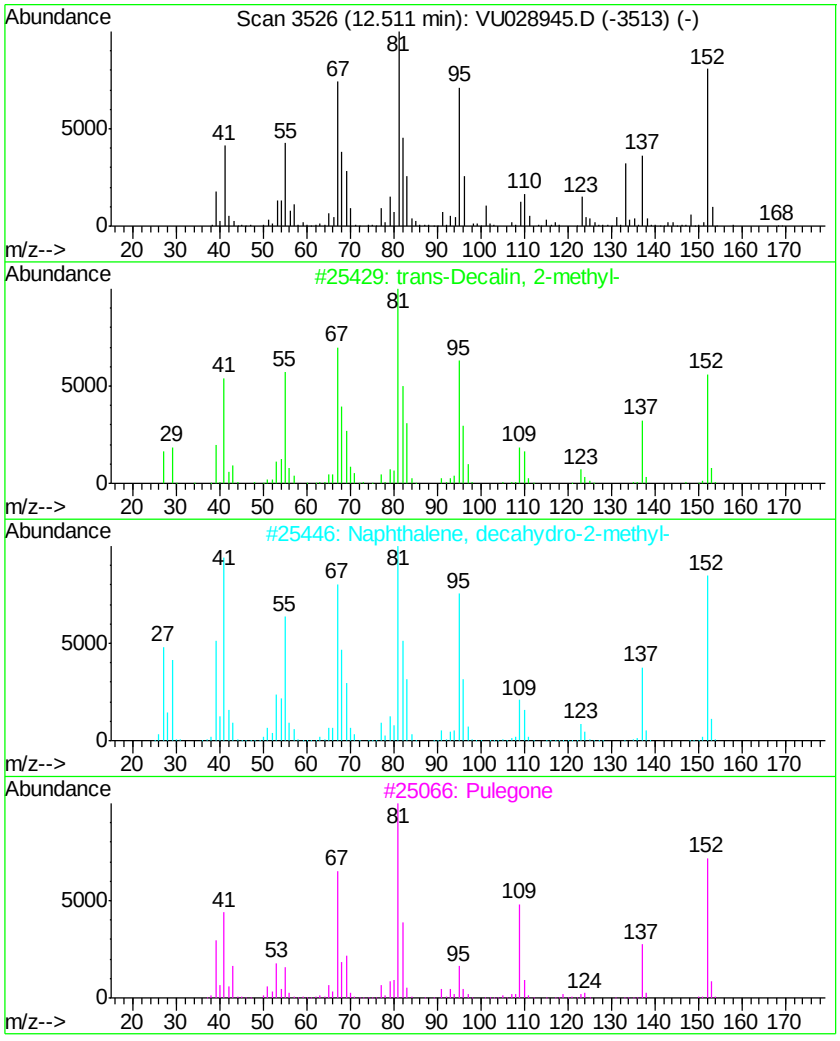
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

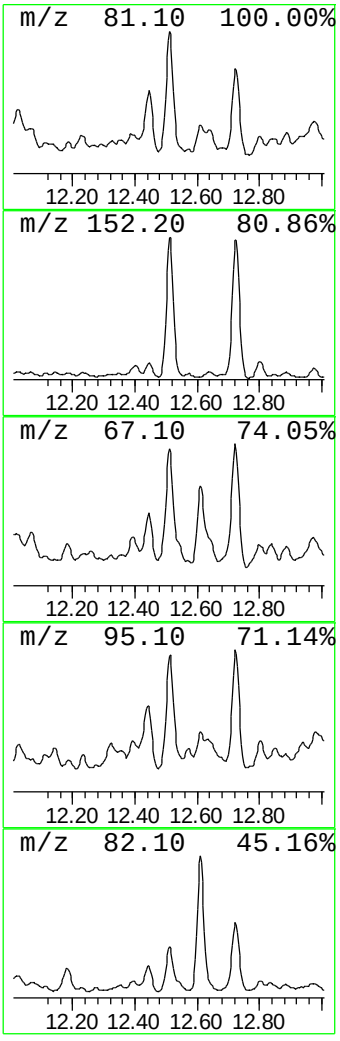
****

Peak Number 39 trans-Decalin, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	62.79 ug/L	1083620	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
3	Pulegone	152	C10H16O	000089-82-7	68
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	68
5	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

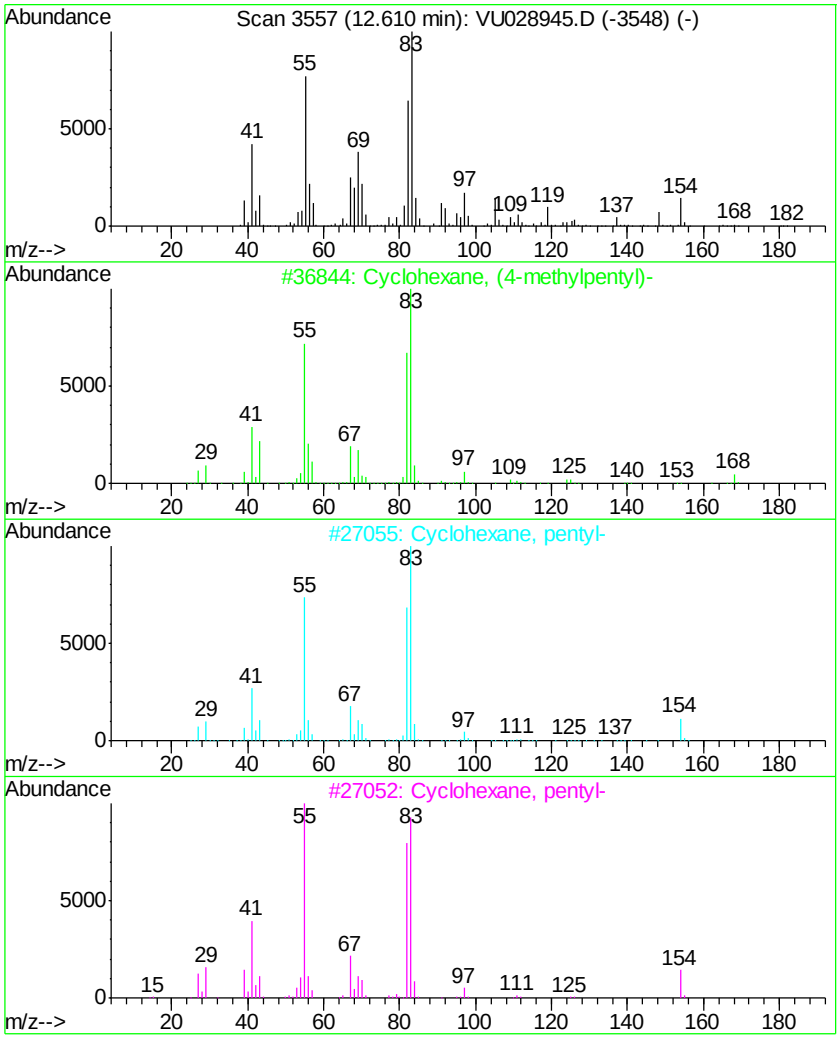
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

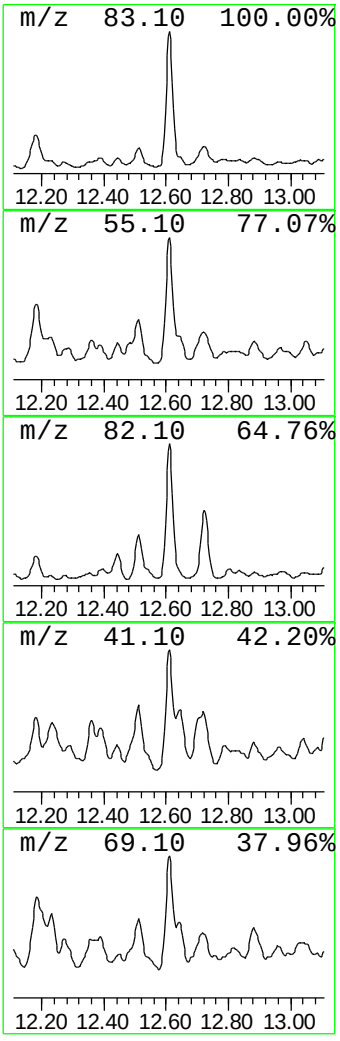
****

Peak Number 40 (DEL) Alkane: Cyclic12.61 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	70.08 ug/L	1209520	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	58
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

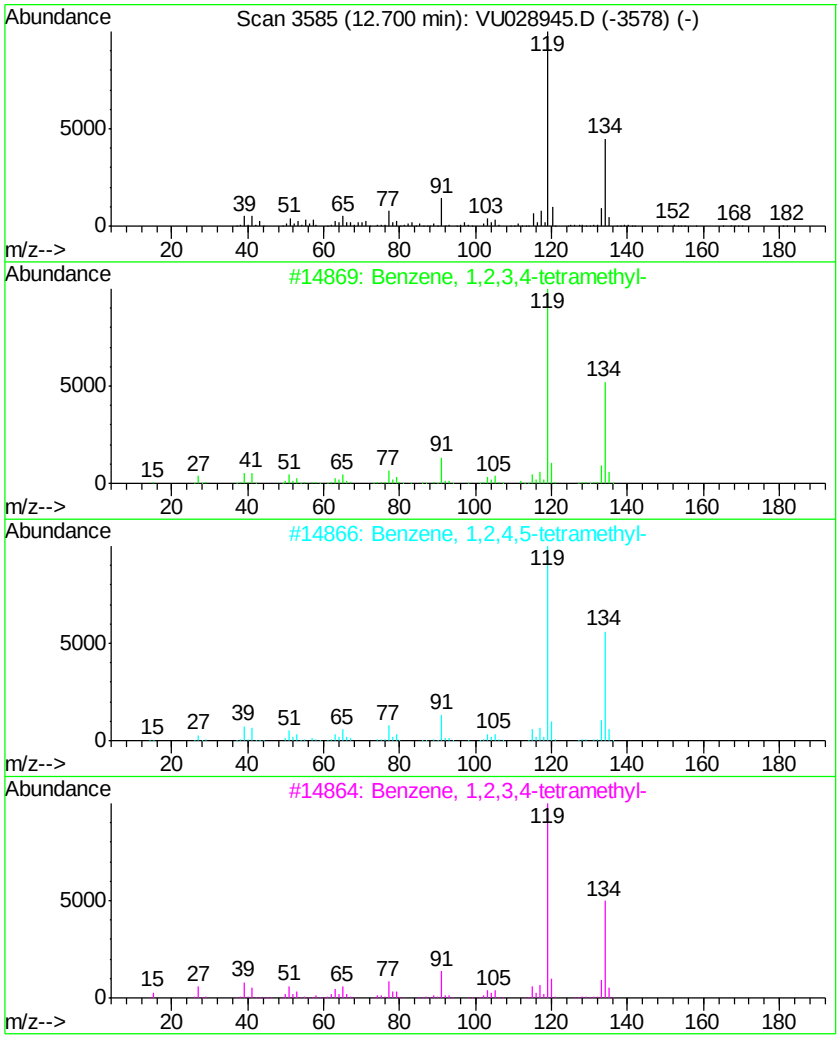
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

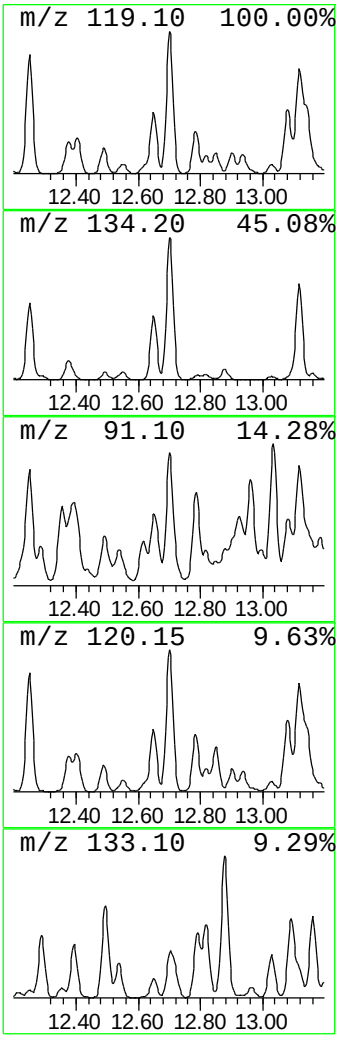
****

Peak Number 41 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	117.75 ug/L	2032160	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

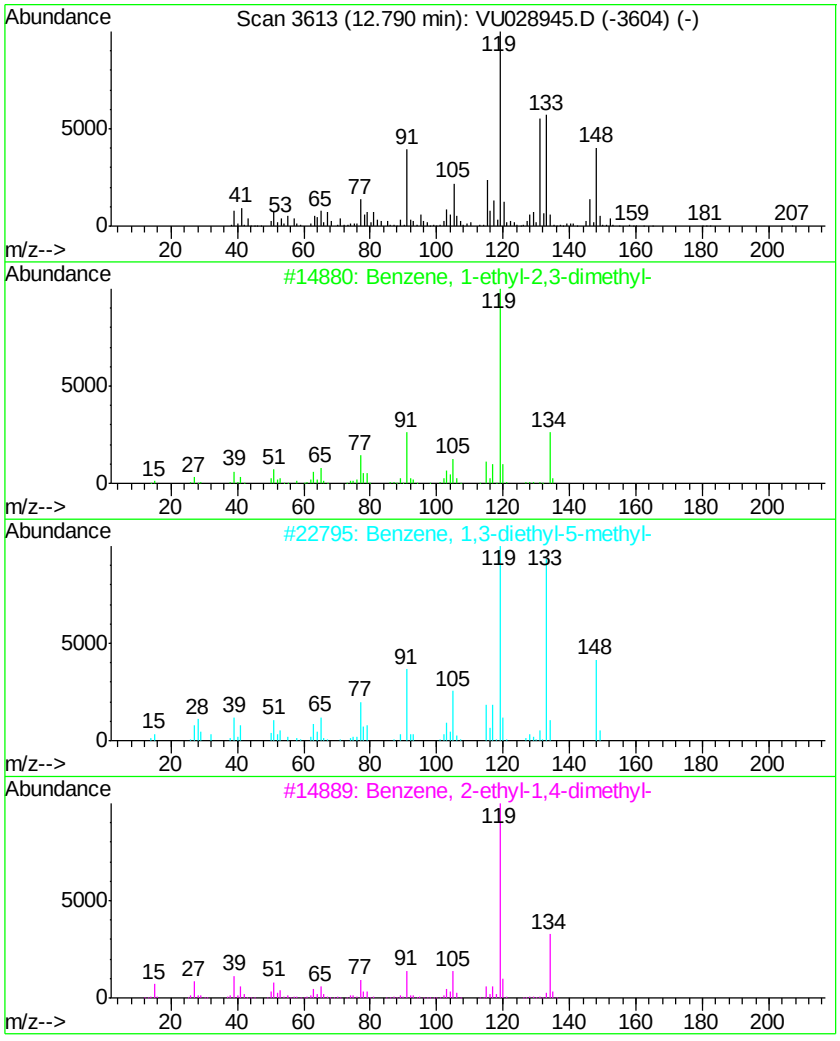
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

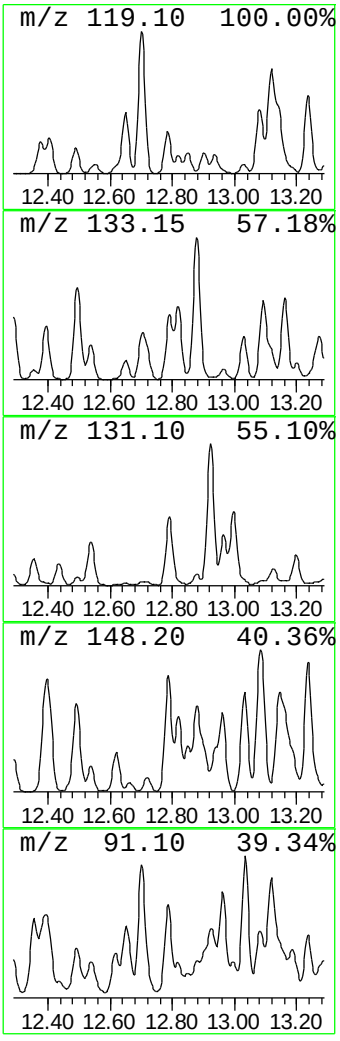
****

Peak Number 42 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	44.72 ug/L	771740	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	49
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	45
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	45
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

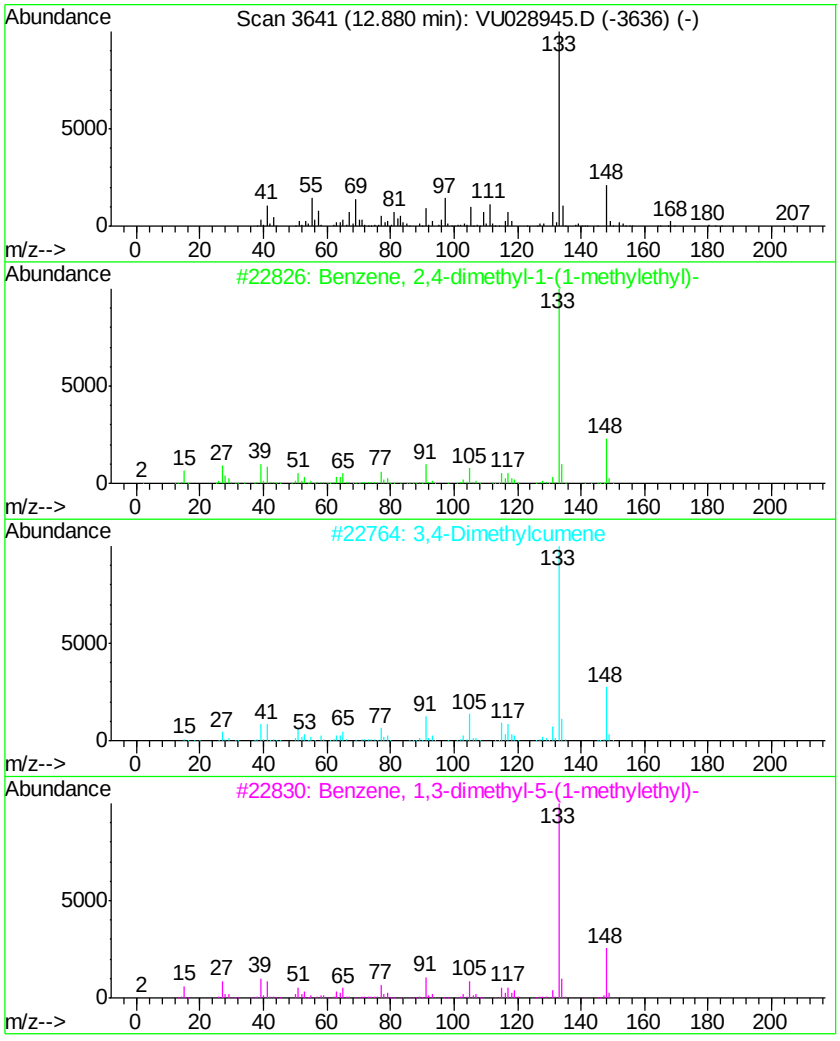
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

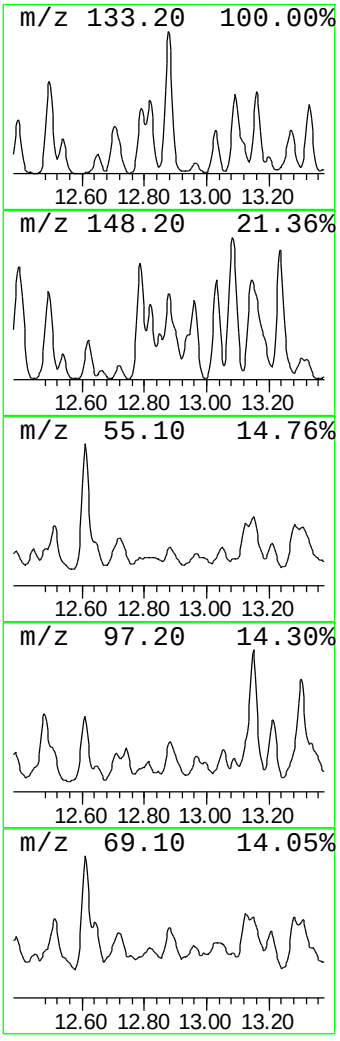
****

Peak Number 43 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	13.67 ug/L	235894	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	81
2	3,4-Dimethylcumene	148	C11H16	1000370-34-1	81
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	74
4	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	72
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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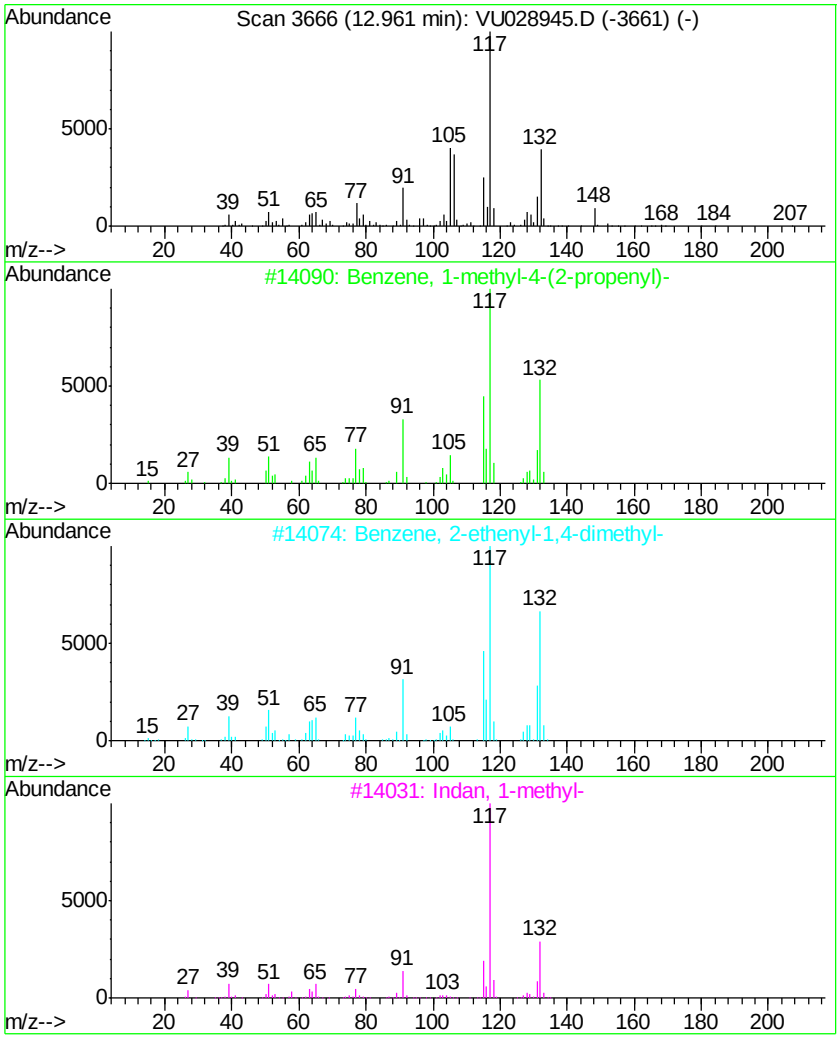
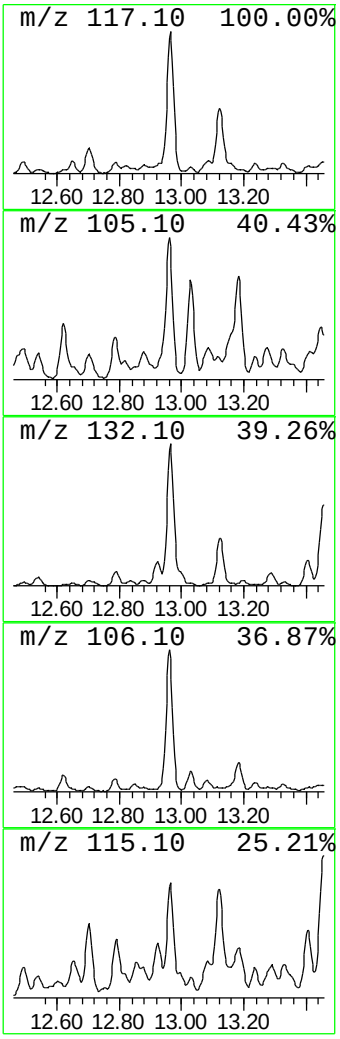
Peak Number 44 Benzene, 1-methyl-4-(2-prop... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	39.78 ug/L	686553	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	91
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	81
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

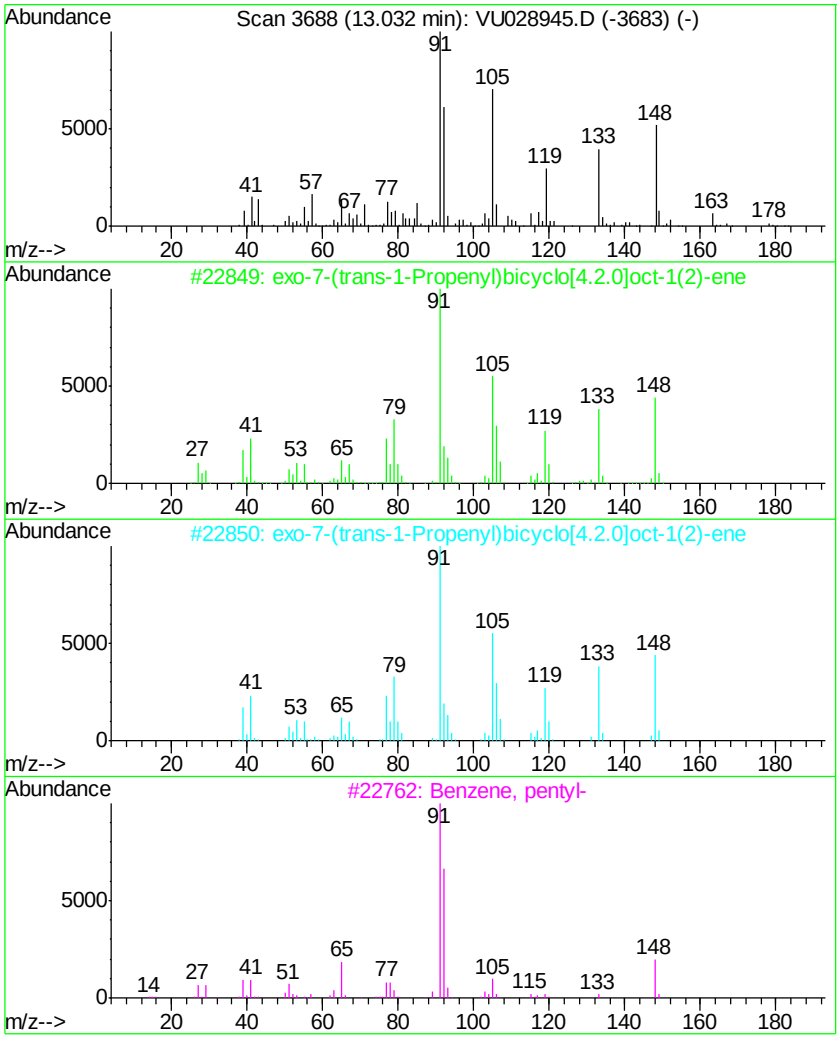
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

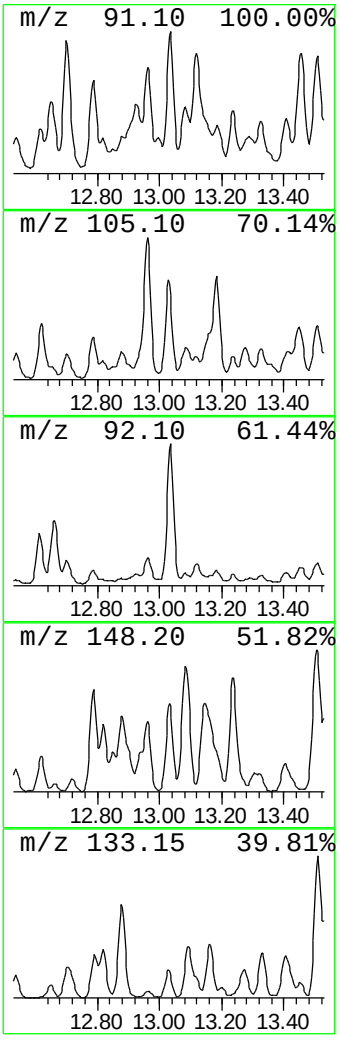
****

Peak Number 45 exo-7-(trans-1-Propenyl)bic... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	19.18 ug/L	330940	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	exo-7-(trans-1-Propenyl)bicyclo[...	148	C11H16	107983-42-6	68
2	exo-7-(trans-1-Propenyl)bicyclo[...	148	C11H16	107983-42-6	68
3	Benzene, pentyl-	148	C11H16	000538-68-1	47
4	Spiro[4.4]nona-1,3-diene, 1,2-di...	148	C11H16	1000163-57-6	46
5	Benzene, (2,2-dimethylpropyl)-	148	C11H16	001007-26-7	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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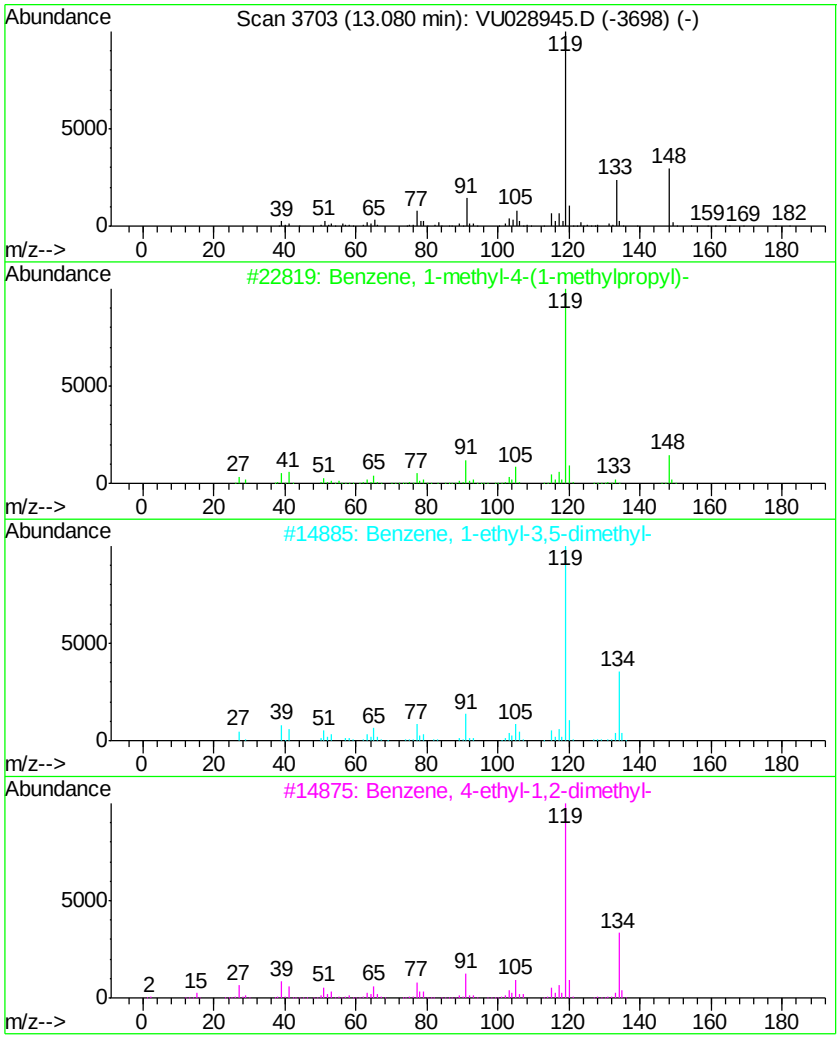
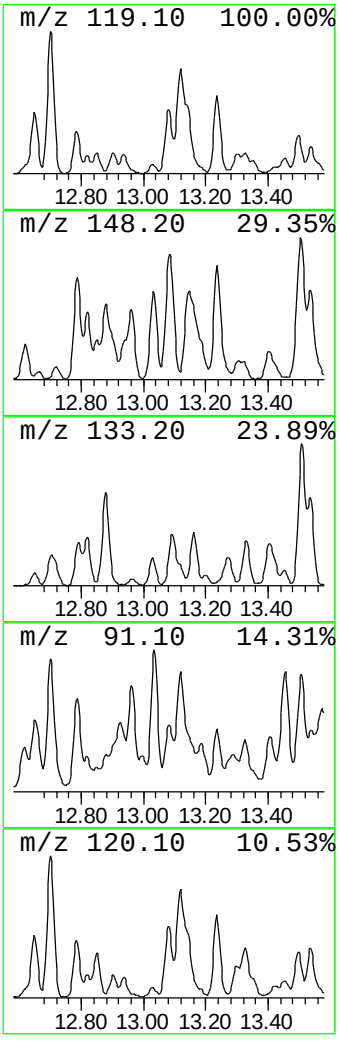
Peak Number 46 Benzene, 1-methyl-4-(1-meth... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	19.66 ug/L	339295	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	68
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

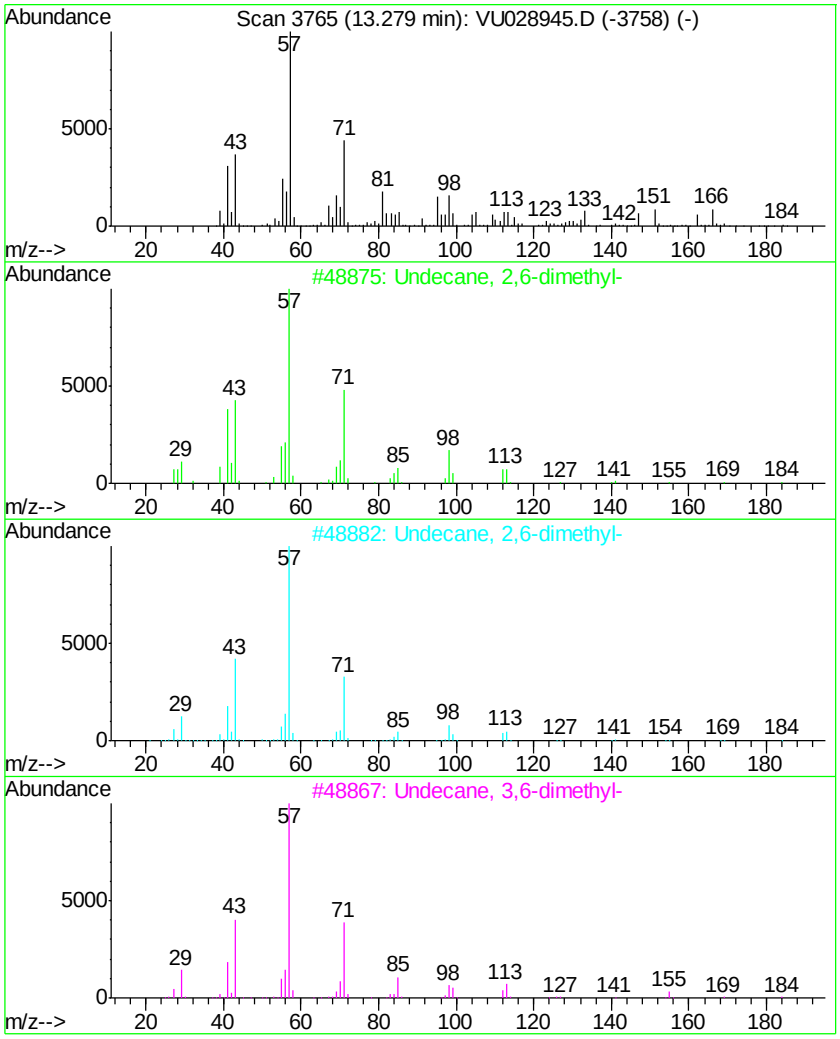
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

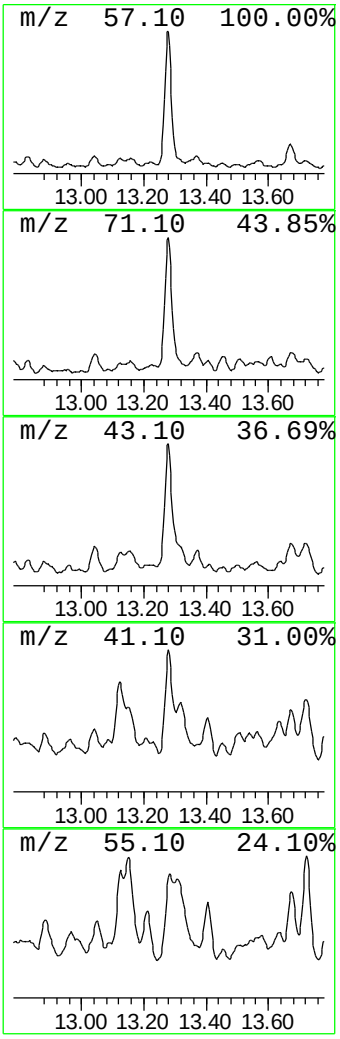
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	56.18 ug/L	969562	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	64
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	60
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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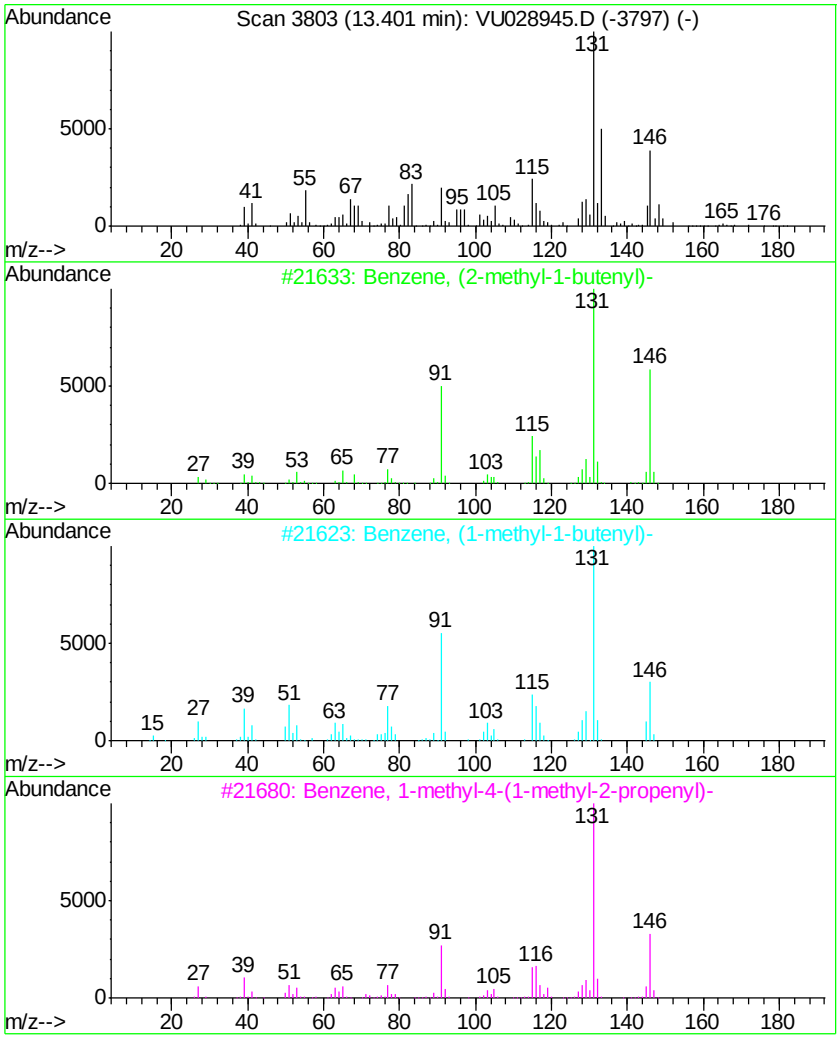
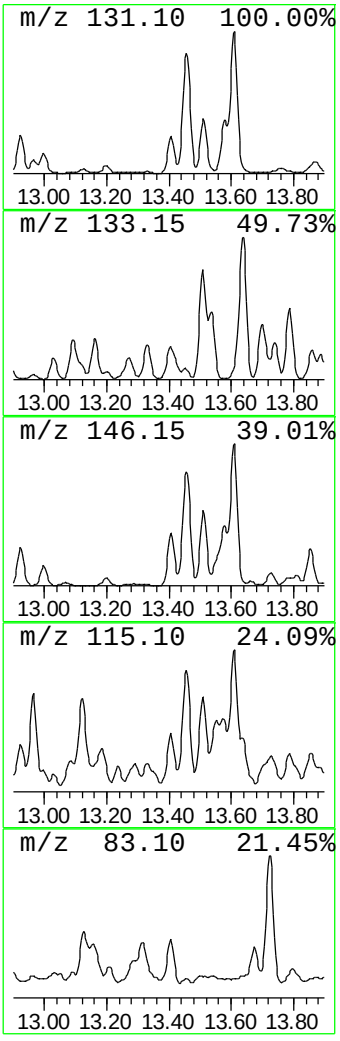
Peak Number 50 Benzene, (2-methyl-1-butenyl)- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	37.52 ug/L	647615	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	89
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	89
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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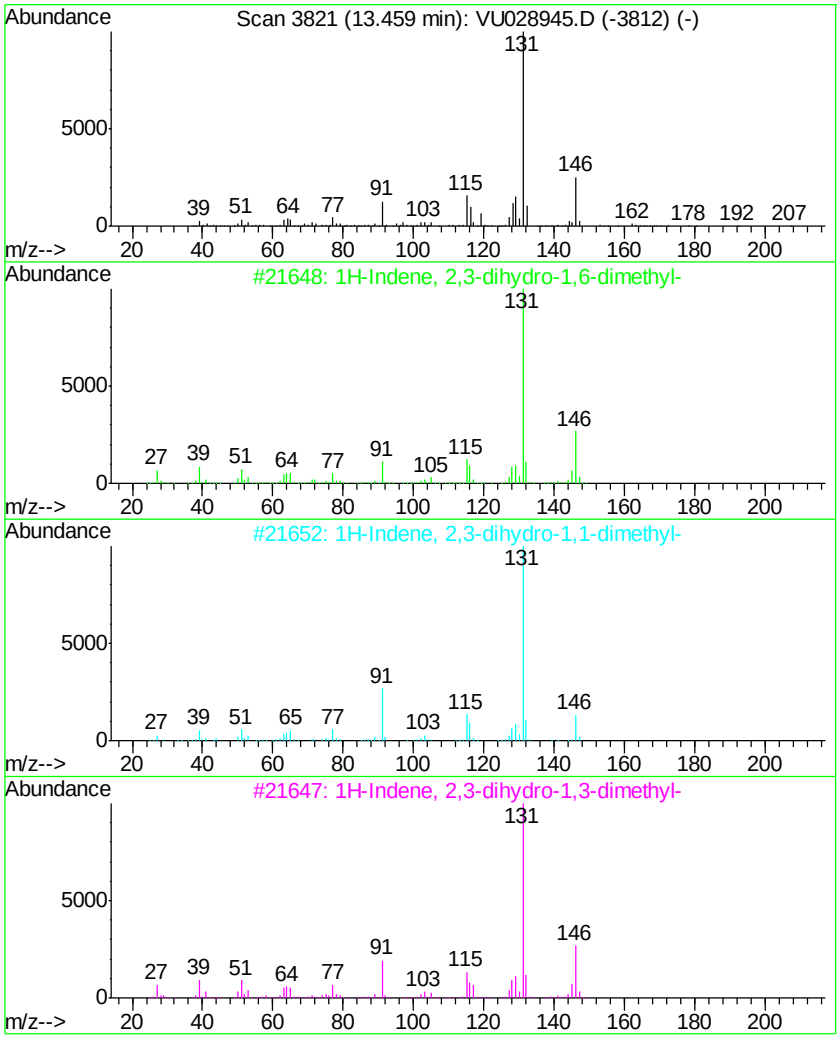
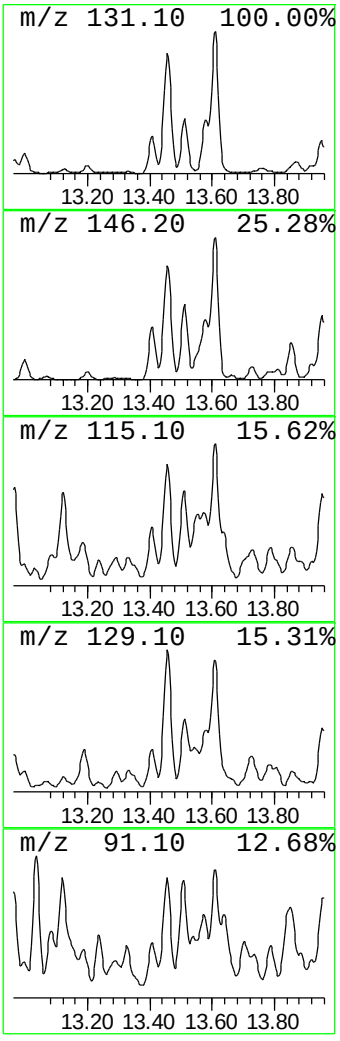
Peak Number 51 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	61.56 ug/L	1062530	1,4-Dichlorobenzene-d4	11.48

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	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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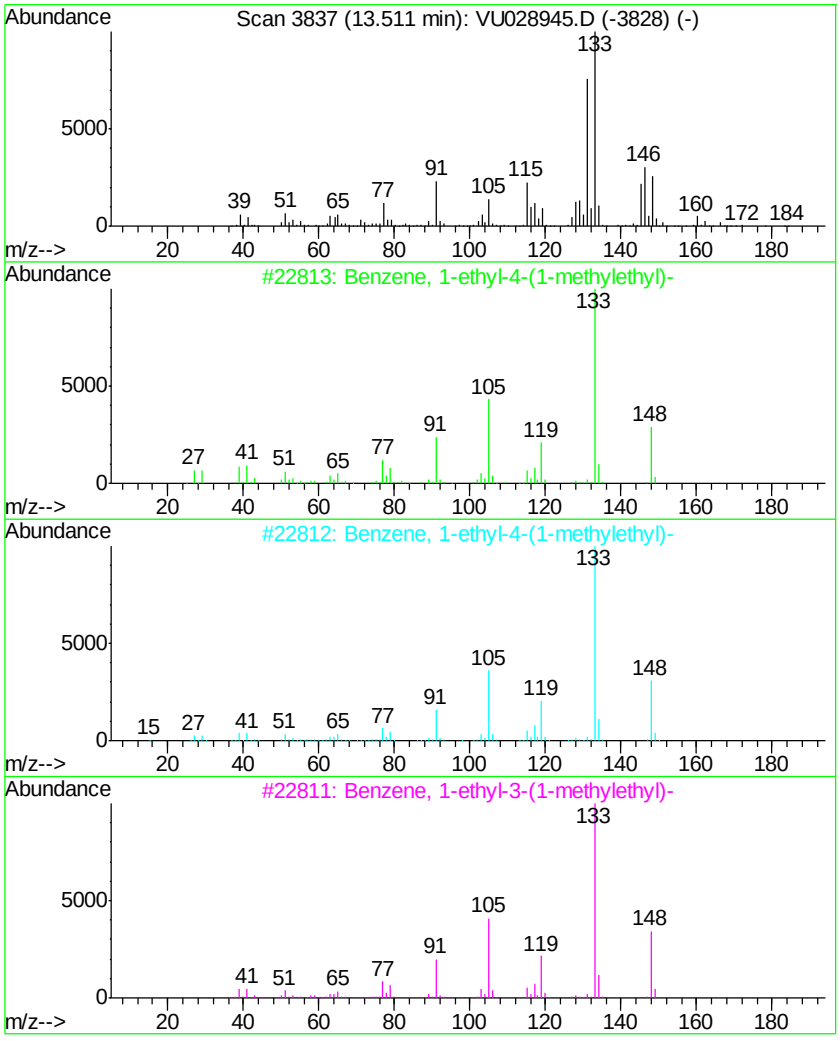
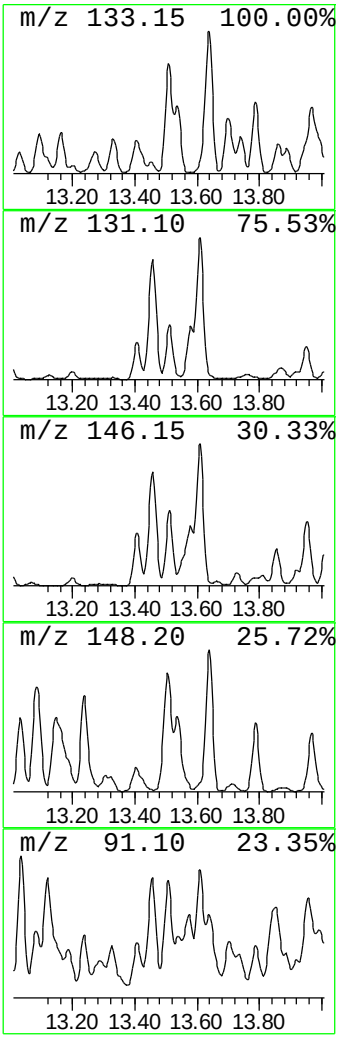
Peak Number 52 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	67.52 ug/L	1165260	1,4-Dichlorobenzene-d4	11.48

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-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	49
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	49
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	49





Library Search Compound Report

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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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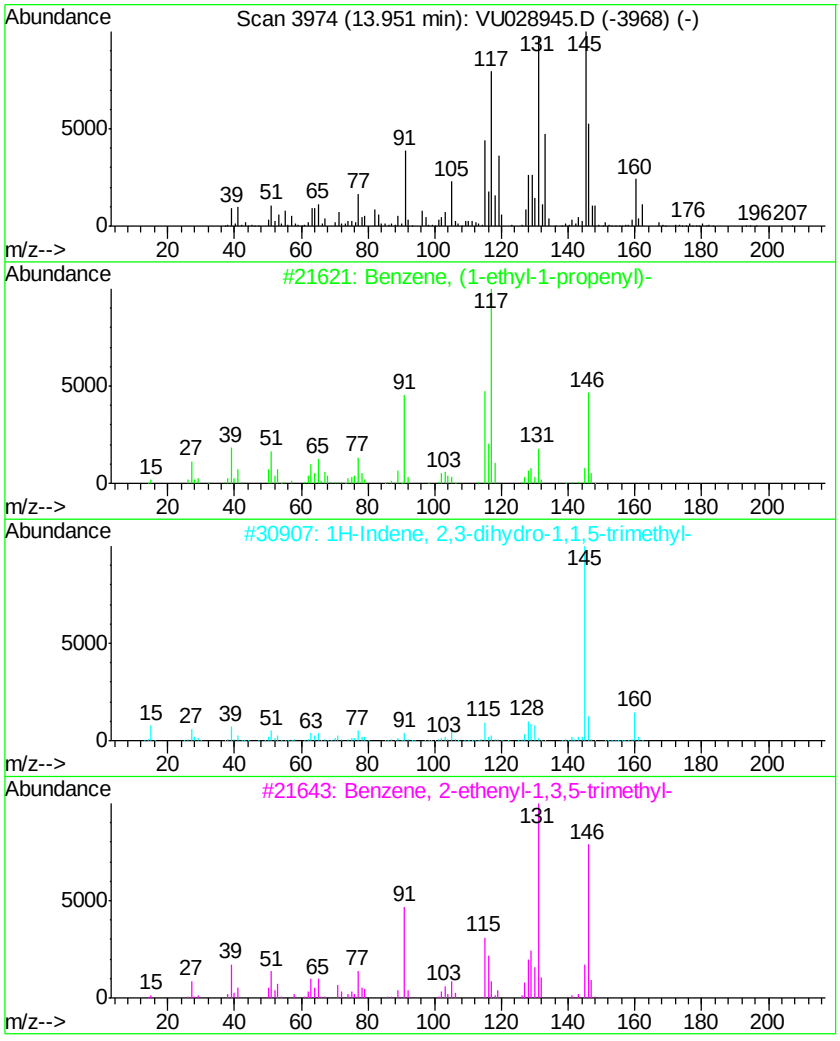
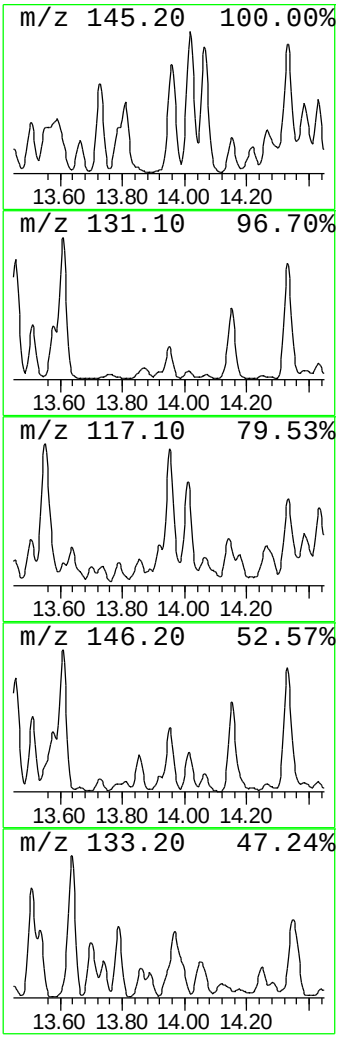
Peak Number 55 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	50.29 ug/L	867953	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	60
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	52
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	42
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	41
5	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	35





Library Search Compound Report

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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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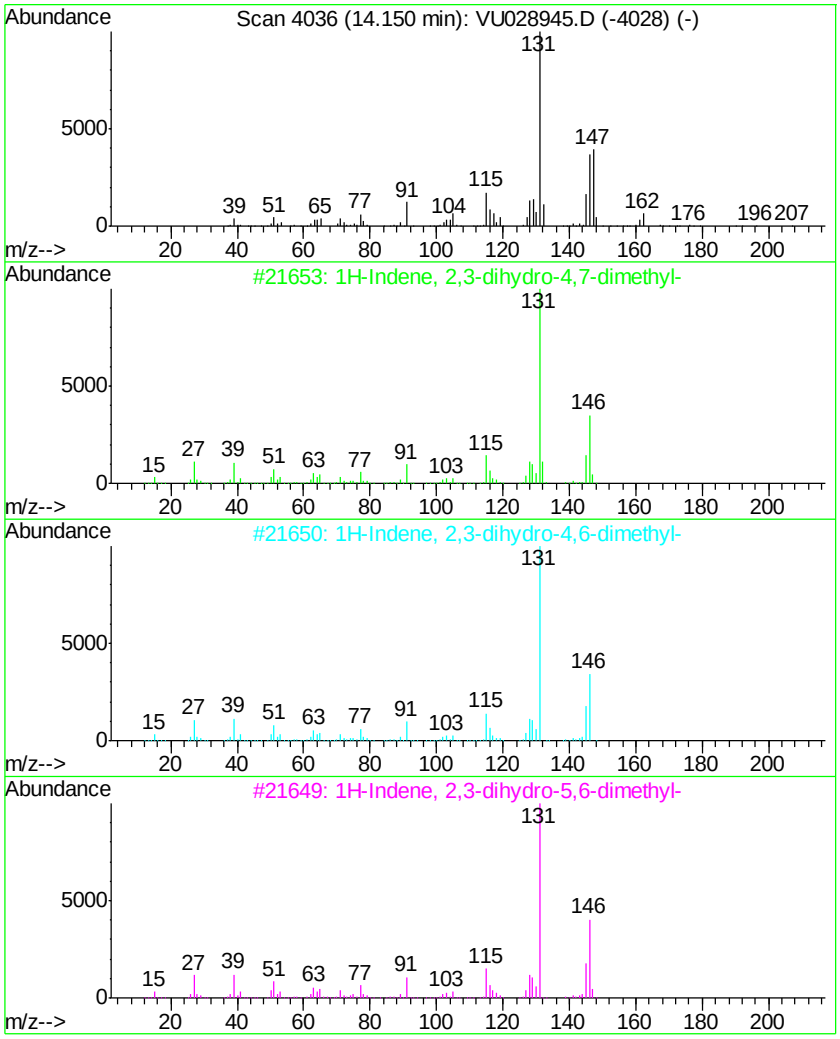
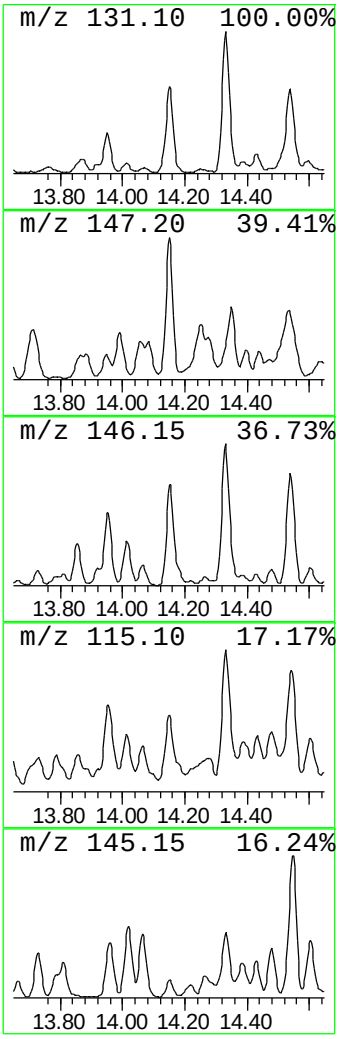
Peak Number 56 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	49.30 ug/L	850779	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	92
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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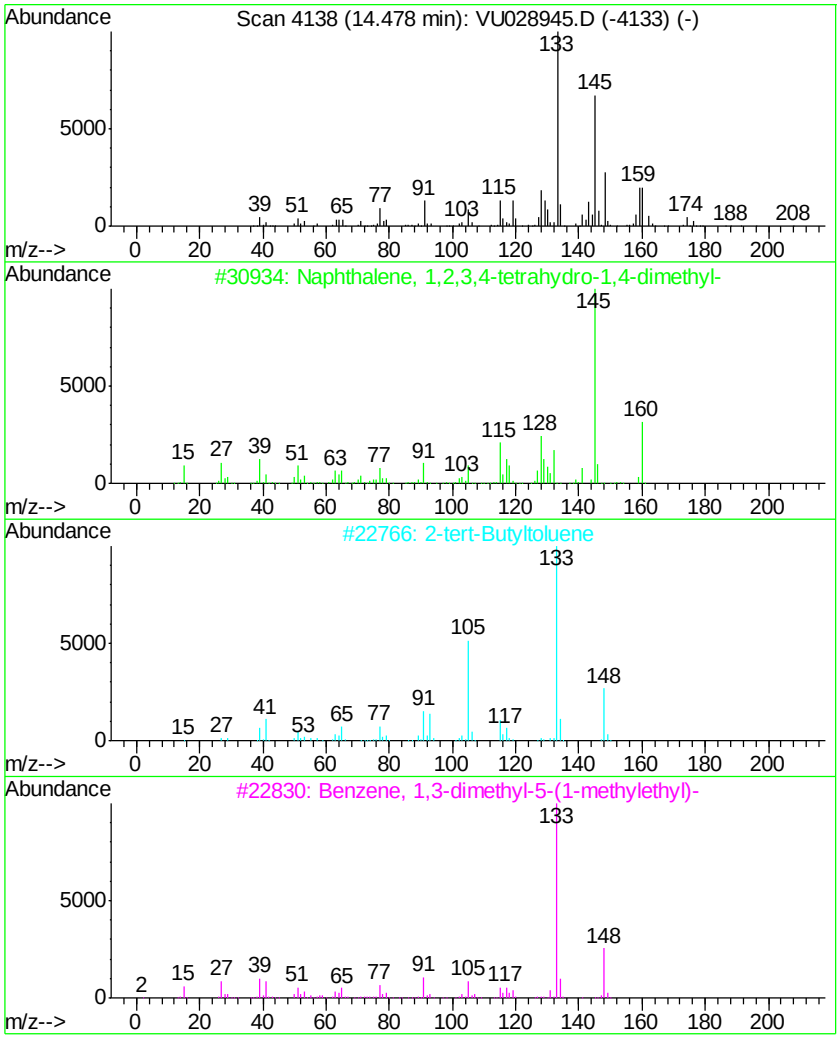
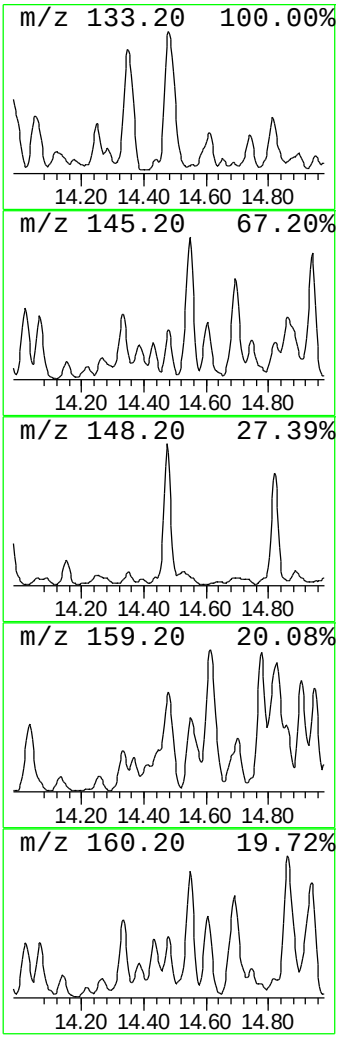
Peak Number 58 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	25.37 ug/L	437904	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	51
2	2-tert-Butyltoluene	148	C11H16	001074-92-6	46
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	43
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	43
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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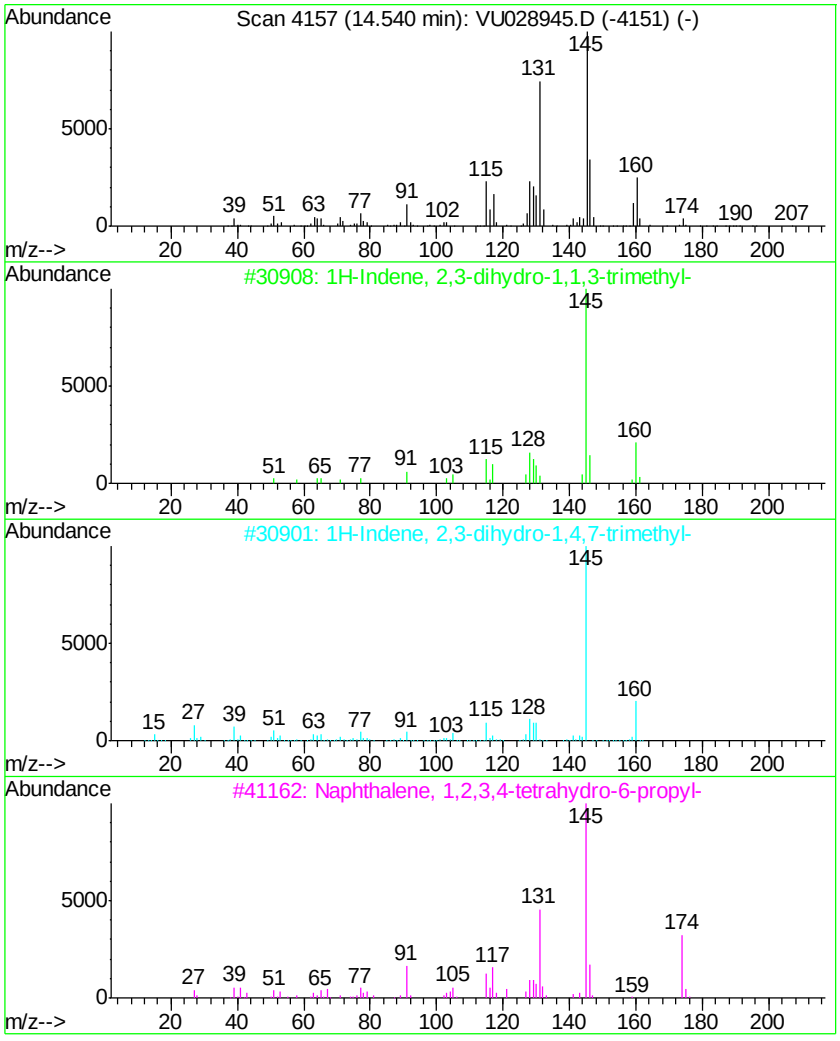
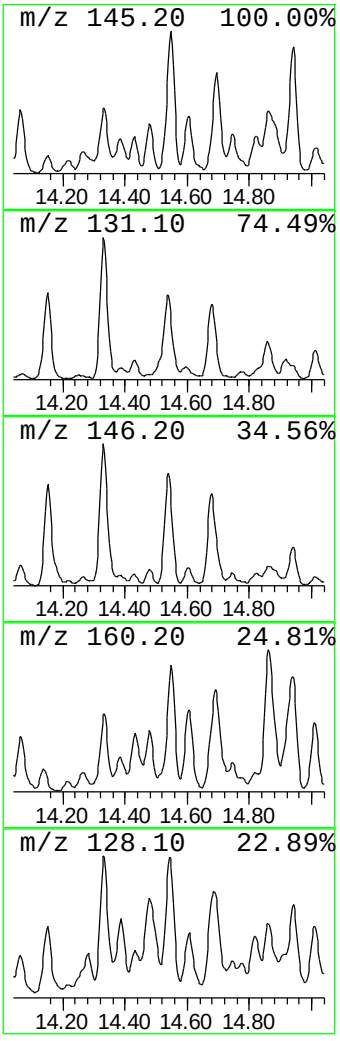
Peak Number 59 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	91.98 ug/L	1587450	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	76
2	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	70
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	042775-77-9	68
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	68
5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	64





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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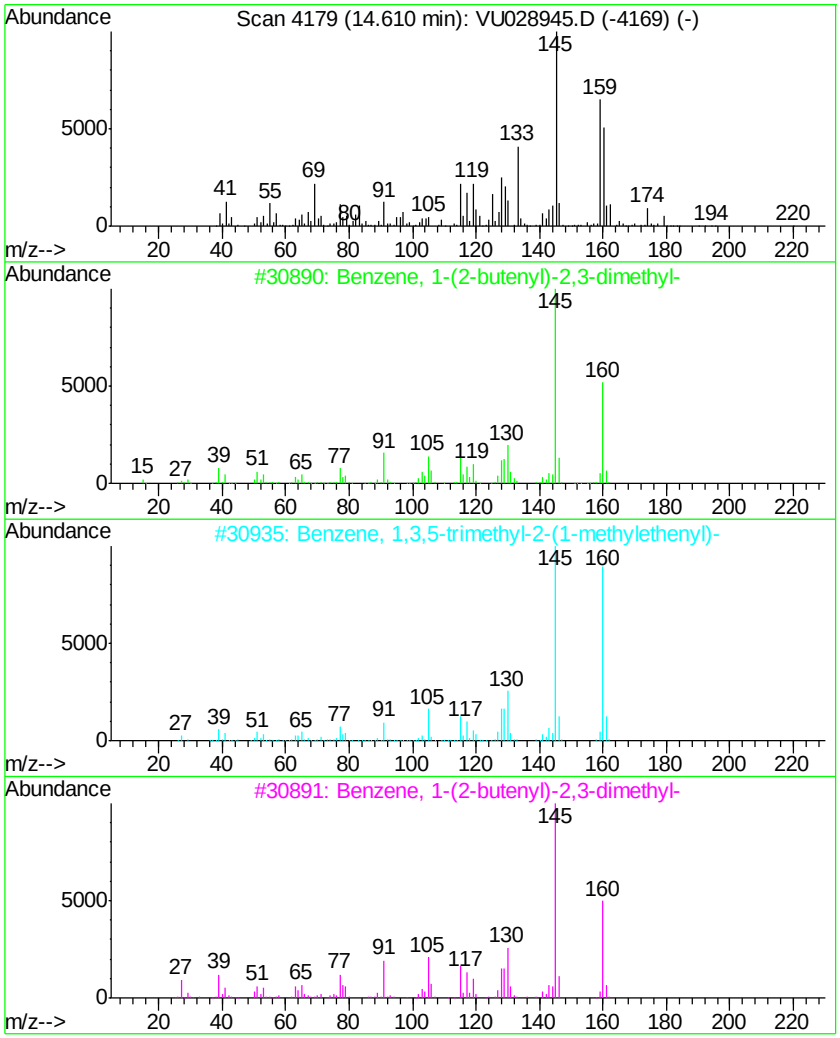
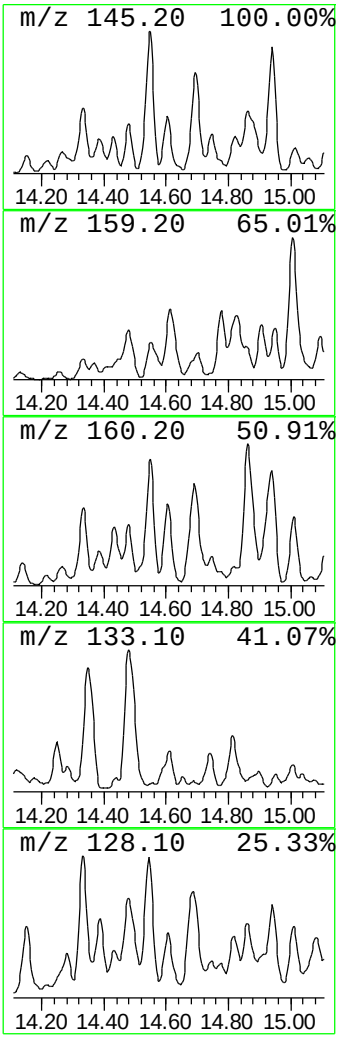
Peak Number 60 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	47.08 ug/L	812573	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	68
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	64
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	62
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	60
5	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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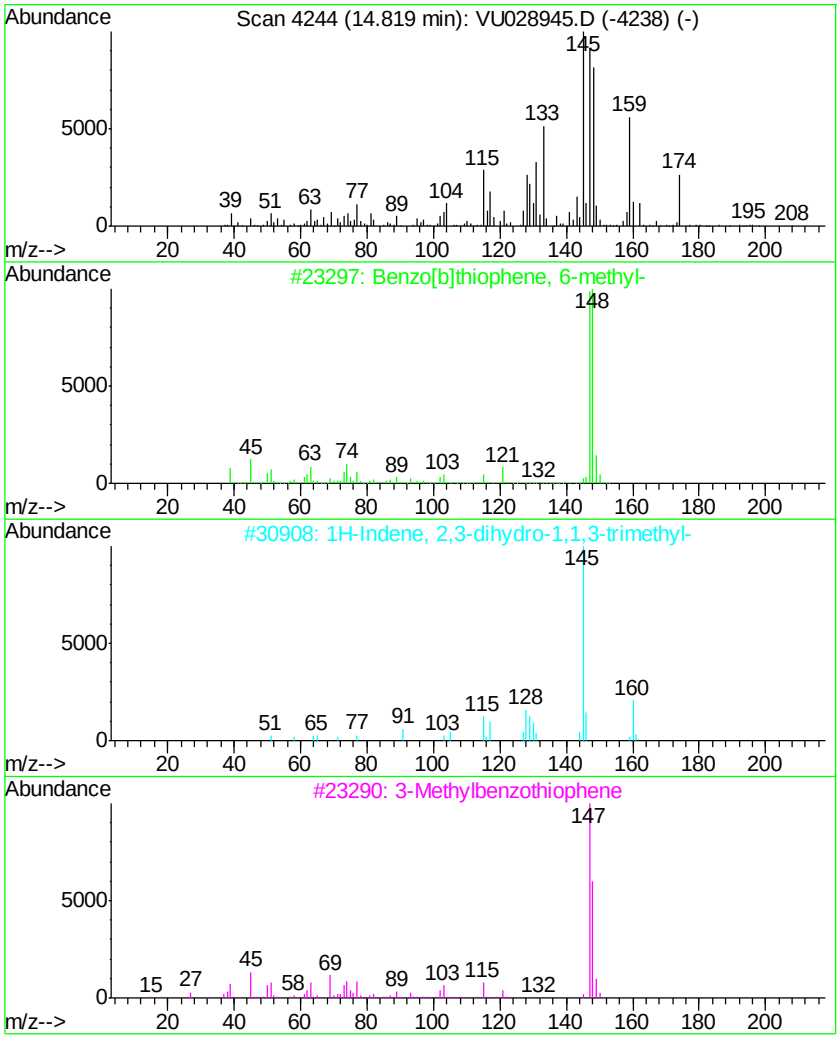
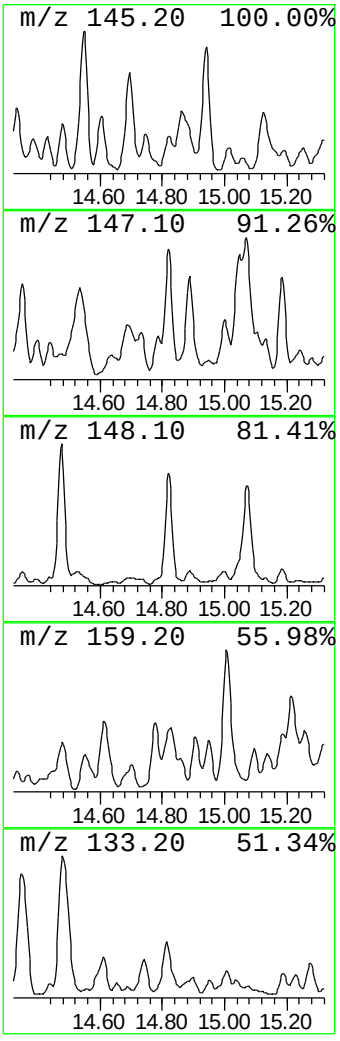
Peak Number 62 unknown-02 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	22.06 ug/L	380756	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	42
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	35
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	30
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	30
5	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	30





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Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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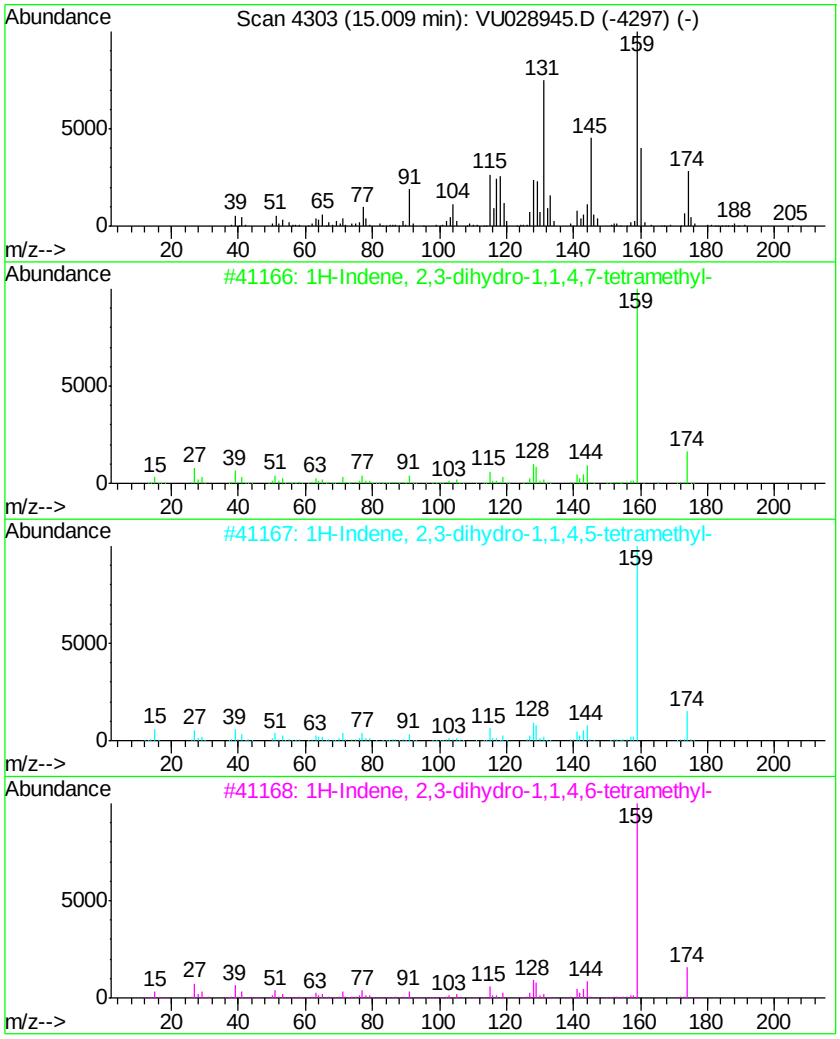
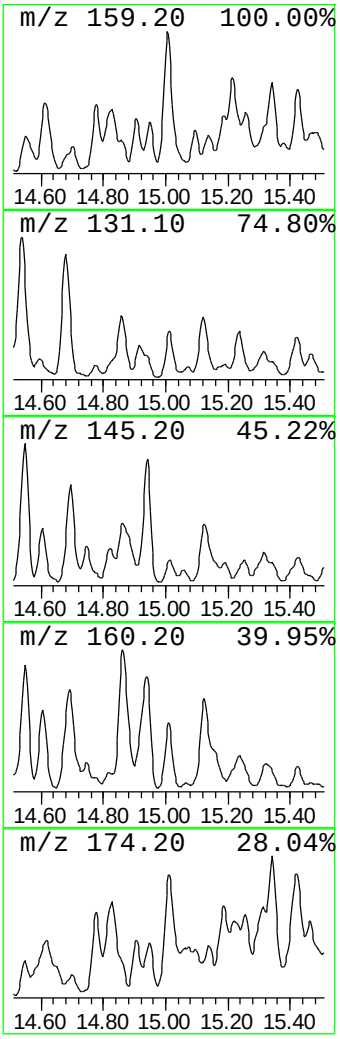
Peak Number 64 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	33.46 ug/L	577469	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,4,7-t...	174	C13H18	001078-04-2	87
2	1H-Indene, 2,3-dihydro-1,1,4,5-t...	174	C13H18	016204-57-2	87
3	1H-Indene, 2,3-dihydro-1,1,4,6-t...	174	C13H18	000941-60-6	87
4	Indan, 1,1,6,7-tetramethyl-	174	C13H18	016204-58-3	86
5	4-(Diethylamino)benzonitrile	174	C11H14N2	002873-90-7	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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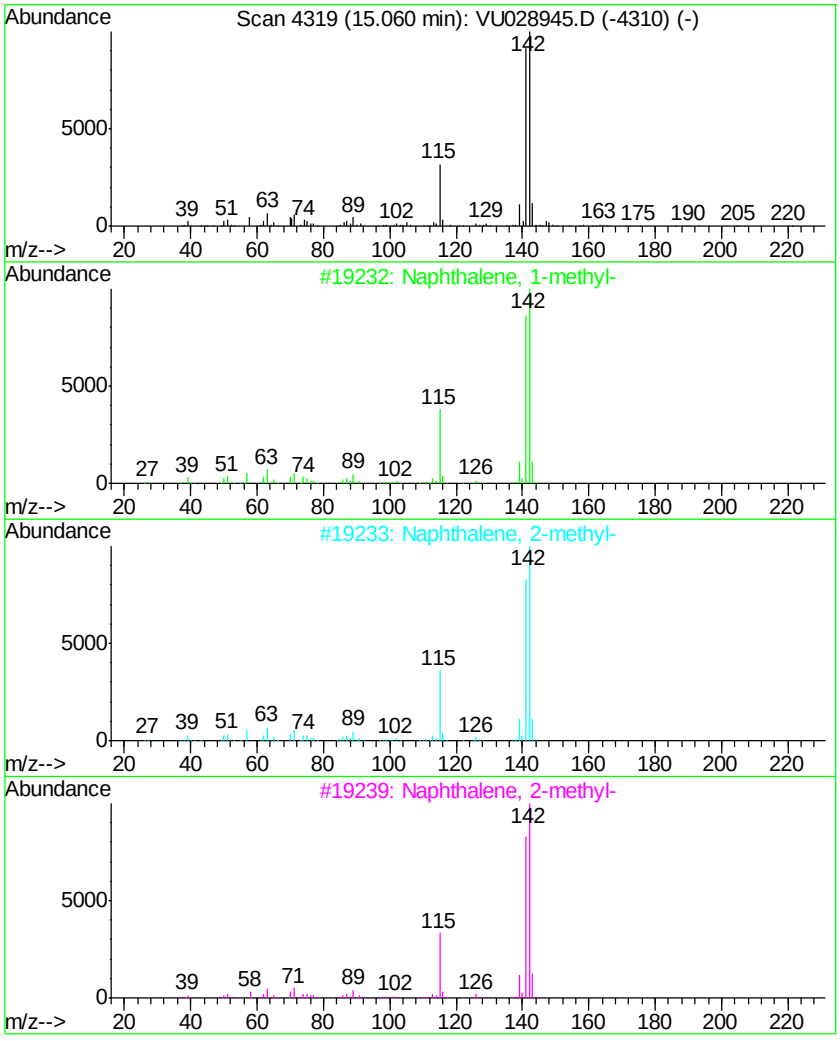
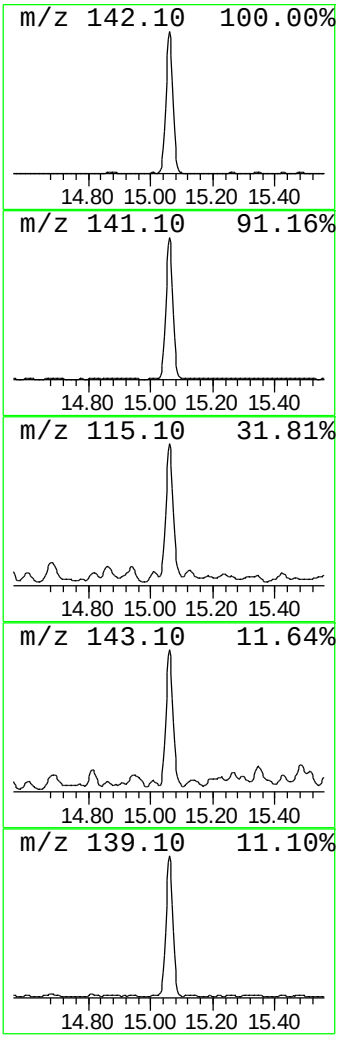
Peak Number 65 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	230.87 ug/L	3984550	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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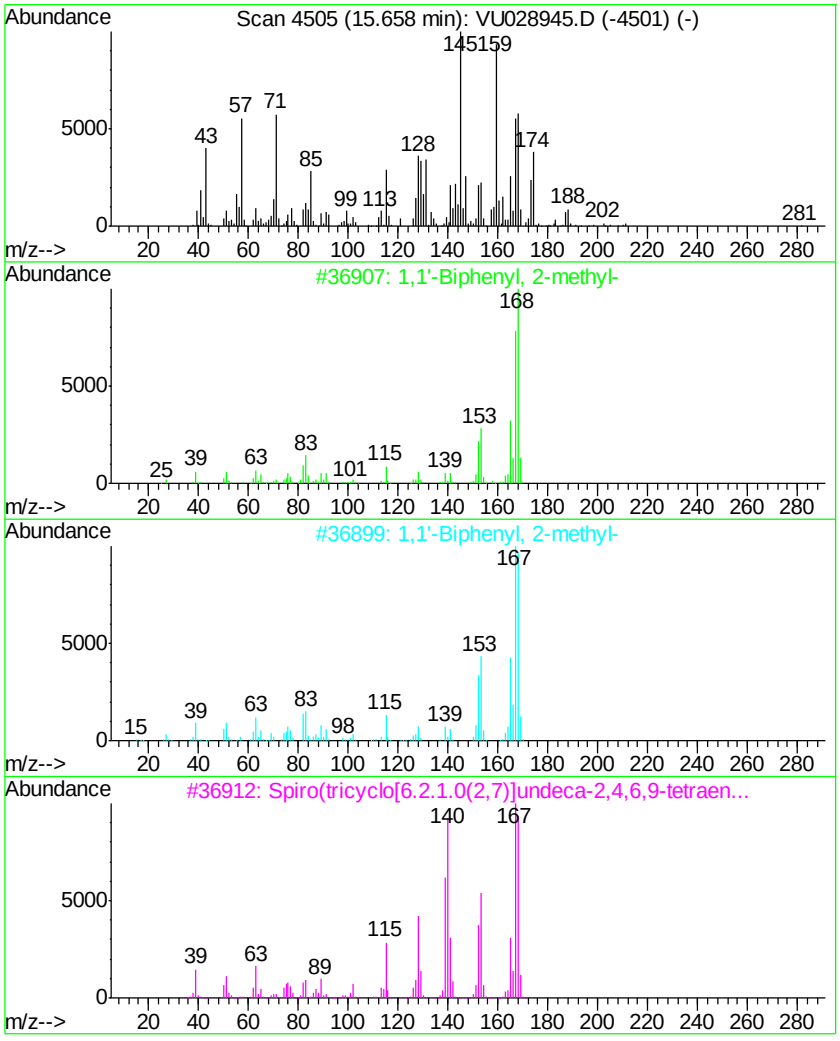
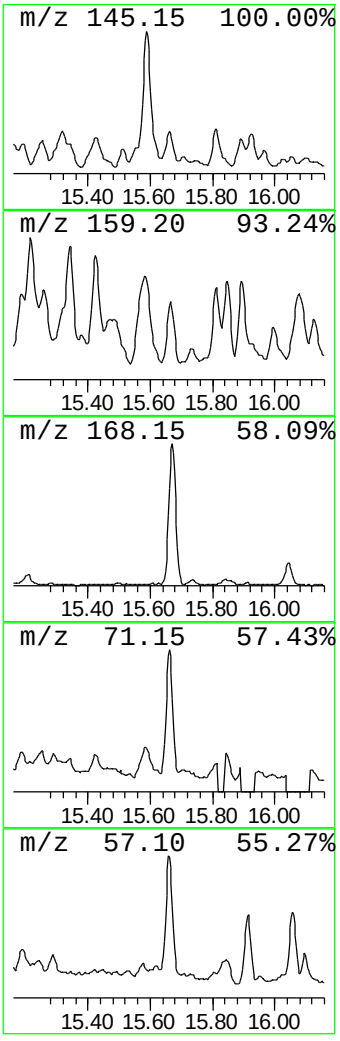
Peak Number 66 1,1'-Biphenyl, 2-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	32.95 ug/L	568762	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	94
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	89
3	Spiro(tricyclo[6.2.1.0(2,7)]unde...	168	C13H12	022003-58-3	64
4	Diphenylmethane	168	C13H12	000101-81-5	62
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028945.D
Acq On : 24 Dec 2018 14:18
Operator : MD/SY
Sample : J6489-09
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	5.20	13.8	ug/L	156232	1	5.88	564942	50.0
(DEL) Alkane: Cyc...	5.61	14.5	ug/L	163546	1	5.88	564942	50.0
(DEL) Alkane: Cyc...	6.63	13.4	ug/L	151429	1	5.88	564942	50.0
(DEL) Alkane: Cyc...	6.90	14.2	ug/L	160810	1	5.88	564942	50.0
(DEL) Alkane: Str...	7.17	17.4	ug/L	196520	1	5.88	564942	50.0
Cyclohexene, 1-me...	7.42	14.3	ug/L	160973	1	5.88	564942	50.0
(DEL) Alkane: Cyc...	7.91	25.7	ug/L	334721	2	9.09	650429	50.0
Decyl trifluoroac...	8.49	13.9	ug/L	181302	2	9.09	650429	50.0
(DEL) Alkane: Cyc...	8.54	22.9	ug/L	297947	2	9.09	650429	50.0
(DEL) Alkane: Cyc...	8.60	25.1	ug/L	326352	2	9.09	650429	50.0
(DEL) Alkane: Cyc...	8.75	22.5	ug/L	292213	2	9.09	650429	50.0
(DEL) Alkane: Cyc...	8.85	18.8	ug/L	244641	2	9.09	650429	50.0
(DEL) Alkane: Str...	8.91	22.0	ug/L	286558	2	9.09	650429	50.0
(DEL) Alkane: Str...	9.03	35.4	ug/L	459976	2	9.09	650429	50.0
Bicyclo[2.2.1]hep...	9.18	12.1	ug/L	157344	2	9.09	650429	50.0
(DEL) Alkane: Cyc...	9.45	23.4	ug/L	304099	2	9.09	650429	50.0
(DEL) Alkane: Cyc...	9.57	11.7	ug/L	152300	2	9.09	650429	50.0
(DEL) Alkane: Cyc...	9.72	35.5	ug/L	461911	2	9.09	650429	50.0
(DEL) Alkane: Str...	9.95	79.6	ug/L	1035020	2	9.09	650429	50.0
Cyclohexanone, 2,...	10.04	42.3	ug/L	549827	2	9.09	650429	50.0
(DEL) Alkane: Str...	10.09	30.8	ug/L	400473	2	9.09	650429	50.0
(DEL) Alkane: Str...	10.25	12.1	ug/L	156833	2	9.09	650429	50.0
(DEL) Alkane: Str...	10.32	30.1	ug/L	518605	3	11.48	862947	50.0
(DEL) Alkane: Cyc...	10.49	29.8	ug/L	514185	3	11.48	862947	50.0
Benzene, 1-ethyl-...	10.70	23.2	ug/L	400863	3	11.48	862947	50.0
(DEL) Alkane: Cyc...	10.75	29.9	ug/L	516969	3	11.48	862947	50.0
unknown-01	10.93	14.3	ug/L	247042	3	11.48	862947	50.0
Benzene, 1-ethyl-...	10.97	13.0	ug/L	224857	3	11.48	862947	50.0
(DEL) Alkane: Str...	11.11	39.0	ug/L	674027	3	11.48	862947	50.0
(DEL) Alkane: Str...	11.33	27.1	ug/L	467266	3	11.48	862947	50.0
(DEL) Alkane: Cyc...	11.40	38.1	ug/L	657806	3	11.48	862947	50.0
(DEL) Alkane: Str...	11.57	12.9	ug/L	222857	3	11.48	862947	50.0
(DEL) Alkane: Cyc...	11.67	9.2	ug/L	158698	3	11.48	862947	50.0
Benzene, 1,3-diet...	11.78	38.3	ug/L	660827	3	11.48	862947	50.0
Benzene, 4-ethyl-...	12.14	25.5	ug/L	440249	3	11.48	862947	50.0
Benzene, 2-ethyl-...	12.25	42.9	ug/L	739669	3	11.48	862947	50.0
Benzene, 1-etheny...	12.36	67.2	ug/L	1160200	3	11.48	862947	50.0
trans-Decalin, 2-...	12.51	62.8	ug/L	1083620	3	11.48	862947	50.0
(DEL) Alkane: Cyc...	12.61	70.1	ug/L	1209520	3	11.48	862947	50.0
Benzene, 1,2,3,4-...	12.70	117.8	ug/L	2032160	3	11.48	862947	50.0
Benzene, 1-ethyl-...	12.79	44.7	ug/L	771740	3	11.48	862947	50.0
Benzene, 2,4-dime...	12.88	13.7	ug/L	235894	3	11.48	862947	50.0
Benzene, 1-methyl...	12.96	39.8	ug/L	686553	3	11.48	862947	50.0
exo-7-(trans-1-Pr...	13.03	19.2	ug/L	330940	3	11.48	862947	50.0
Benzene, 1-methyl...	13.08	19.7	ug/L	339295	3	11.48	862947	50.0
(DEL) Alkane: Str...	13.28	56.2	ug/L	969562	3	11.48	862947	50.0
Benzene, (2-methy...	13.40	37.5	ug/L	647615	3	11.48	862947	50.0
1H-Indene, 2,3-di...	13.46	61.6	ug/L	1062530	3	11.48	862947	50.0
Benzene, 1-ethyl-...	13.51	67.5	ug/L	1165260	3	11.48	862947	50.0

Benzene, (1-ethyl...	13.95	50.3	ug/L	867953	3	11.48	862947	50.0
1H-Indene, 2,3-di...	14.15	49.3	ug/L	850779	3	11.48	862947	50.0
Naphthalene, 1,2,...	14.48	25.4	ug/L	437904	3	11.48	862947	50.0
1H-Indene, 2,3-di...	14.54	92.0	ug/L	1587450	3	11.48	862947	50.0
Benzene, 1-(2-but...	14.61	47.1	ug/L	812573	3	11.48	862947	50.0
unknown-02	14.82	22.1	ug/L	380756	3	11.48	862947	50.0
1H-Indene, 2,3-di...	15.01	33.5	ug/L	577469	3	11.48	862947	50.0
Naphthalene, 1-me...	15.06	230.9	ug/L	3984550	3	11.48	862947	50.0
1,1'-Biphenyl, 2-...	15.66	33.0	ug/L	568762	3	11.48	862947	50.0

Instrument :
MSVOA_U
ClientSampleId :
F9F86