LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

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\SOMULM113018WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.395	59	69	81	rBV3	306604	388887	20.49%	1.650%
2	1.450	81	86	98	rVB2	27586	32533	1.71%	0.138%
3	1.511	100	105	109	rBV	31908	30229	1.59%	0.128%
4	1.640	136	145	156	rBV	252668	318142	16.76%	1.350%
5	1.697	159	163	172	rVB2	50614	57849	3.05%	0.245%
6	1.836	199	206	212	rBV2	34222	47929	2.53%	0.203%
7	1.881	212	220	235	rVB2	117328	184254	9.71%	0.782%
8	1.996	249	256	264	rVB2	24247	33299	1.75%	0.141%
9	2.141	293	301	313	rVB3	31703	53749	2.83%	0.228%
10	2.238	320	331	345	rBV	399606	618538	32.59%	2.625%
11	2.710	469	478	488	rVV3	42494	77015	4.06%	0.327%
12	2.762	488	494	507	rVB3	17213	32435	1.71%	0.138%
13	2.967	540	558	573	rVB2	28996	66149	3.49%	0.281%
14	3.176	607	623	639	rBV3	41157	90727	4.78%	0.385%
15	3.276	639	654	675	rVB2	116185	247650	13.05%	1.051%
16	3.533	725	734	748	rVB3	11737	27190	1.43%	0.115%
17	4.070	883	901	923	rVB3	50149	130879	6.90%	0.555%
18	4.189	923	938	995	rBV	133377	488073	25.72%	2.071%
19	4.643	1061	1079	1103	rBV	284890	719115	37.89%	3.051%
20	4.765	1106	1117	1132	rVB2	28232	62675	3.30%	0.266%
21	4.977	1166	1183	1197	rBV4	59072	144244	7.60%	0.612%
22	5.054	1197	1207	1230	rVB8	15191	49443	2.60%	0.210%
23	5.205	1236	1254	1272	rBV3	41374	109183	5.75%	0.463%
24	5.331	1272	1293	1303	rBV3	670522	1898004	100.00%	8.053%
25	5.469	1326	1336	1345	rBV5	21220	45899	2.42%	0.195%
26	5.610	1369	1380	1388	rBV4	42205	91654	4.83%	0.389%
27	5.655	1389	1394	1410	rVB3	43043	79470	4.19%	0.337%
28	5.774	1416	1431	1444	rBV2	170391	338924	17.86%	1.438%
29	5.881	1451	1464	1490	rBV	618378	1300216	68.50%	5.517%
30	6.215	1545	1568	1588	rBV8	16416	53334	2.81%	0.226%
31	6.327	1588	1603	1616	rBV	420316	885275	46.64%	3.756%
32	6.405	1618	1627	1641	rVB2	107334	230694	12.15%	0.979%
33	6.636	1685	1699	1710	rBV2	29946	56198	2.96%	0.238%
34	6.733	1718	1729	1743	rVB4	15959	32597	1.72%	0.138%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

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\SOMULM113018WMA.M
Title : VOC Analysis

35	6.897	1770	1780	1803	rVB7	24419	66547	3.51%	0.282%
36	7.064	1821	1832	1840	rBV	31104	62006	3.27%	0.263%
37	7.176	1856	1867	1873	rBV2	70249	115269	6.07%	0.489%
38	7.224	1873	1882	1907	rVB	249849	503446	26.53%	2.136%
39	7.337	1907	1917	1925	rBV3	29550	48861	2.57%	0.207%
40	7.427	1934	1945	1957	rVB3	37275	71534	3.77%	0.304%
41	7.562	1963	1987	2001	rBV	836758	1615474	85.11%	6.855%
42	7.636	2001	2010	2023	rVB2	79951	155595	8.20%	0.660%
43	7.726	2031	2038	2047	rVB5	43379	71056	3.74%	0.301%
44	7.816	2057	2066	2071	rBV	177519	282884	14.90%	1.200%
45	7.848	2071	2076	2088	rVV	165255	287654	15.16%	1.221%
46	7.909	2089	2095	2108	rVB5	41901	72683	3.83%	0.308%
47	8.041	2127	2136	2144	rBV4	19253	31750	1.67%	0.135%
48	8.089	2144	2151	2161	rBV3	18663	29616	1.56%	0.126%
49	8.321	2203	2223	2238	rBV	601586	1189960	62.70%	5.049%
50	8.482	2268	2273	2282	rVB4	25503	40000	2.11%	0.170%
51	8.543	2283	2292	2299	rBV2	38124	62001	3.27%	0.263%
52	8.604	2305	2311	2321	rVB3	22029	36461	1.92%	0.155%
53	8.749	2347	2356	2368	rVB8	29968	59727	3.15%	0.253%
54	8.906	2398	2405	2414	rVB3	41048	60263	3.18%	0.256%
55	9.028	2433	2443	2451	rBV	52703	80780	4.26%	0.343%
56	9.089	2451	2462	2477	rBV	918643	1581927	83.35%	6.712%
57	9.250	2503	2512	2523	rBV	47112	80553	4.24%	0.342%
58	9.372	2540	2550	2563	rVB2	137943	244892	12.90%	1.039%
59	9.440	2563	2571	2597	rVB	215129	363114	19.13%	1.541%
60	9.559	2597	2608	2627	rBV10	19382	45402	2.39%	0.193%
61	9.713	2646	2656	2666	rBV5	29660	54327	2.86%	0.231%
62	9.781	2666	2677	2699	rBV	62031	118114	6.22%	0.501%
63	9.948	2710	2729	2739	rBV3	54463	112472	5.93%	0.477%
64	10.044	2750	2759	2768	rBV6	36604	70135	3.70%	0.298%
65	10.163	2787	2796	2805	rBV5	15435	29241	1.54%	0.124%
66	10.321	2832	2845	2851	rBV6	34002	70150	3.70%	0.298%
67	10.437	2869	2881	2893	rBV	627092	1043788	54.99%	4.429%
68	10.681	2948	2957	2971	rVV	64023	153044	8.06%	0.649%
69	10.755	2971	2980	2990	rVV3	78982	165286	8.71%	0.701%
70	10.813	2990	2998	3012	rVB2	213587	322669	17.00%	1.369%
71	10.974	3040	3048	3067	rVB2	32736	56073	2.95%	0.238%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

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\SOMULM113018WMA.M
Title : VOC Analysis

72	11.115	3083	3092	3095	rBV	29057	39414	2.08%	0.167%
73	11.150	3096	3103	3118	rVB	78969	124682	6.57%	0.529%
74	11.401	3170	3181	3186	rBV3	30381	54888	2.89%	0.233%
75	11.485	3196	3207	3220	rBV	1087222	1692953	89.20%	7.183%
76	11.572	3227	3234	3241	rBV	48591	65773	3.47%	0.279%
77	11.610	3241	3246	3254	rVB5	20899	27539	1.45%	0.117%
78	11.697	3268	3273	3283	rVB4	19528	27064	1.43%	0.115%
79	11.768	3284	3295	3303	rBV5	34549	66276	3.49%	0.281%
80	11.810	3304	3308	3313	rVV2	24516	31843	1.68%	0.135%
81	11.861	3313	3324	3344	rVB	935077	1545454	81.43%	6.558%
82	11.977	3351	3360	3366	rBV6	47132	75790	3.99%	0.322%
83	12.022	3366	3374	3383	rVB	212153	294974	15.54%	1.252%
84	12.176	3418	3422	3431	rVV2	25013	34191	1.80%	0.145%
85	12.247	3433	3444	3453	rVB5	26499	53626	2.83%	0.228%
86	12.356	3470	3478	3486	rBV3	42185	67170	3.54%	0.285%
87	12.610	3549	3557	3562	rBV4	29254	43848	2.31%	0.186%
88	12.642	3563	3567	3578	rVB4	29925	50716	2.67%	0.215%
89	12.703	3578	3586	3591	rBV3	35246	52839	2.78%	0.224%
90	12.826	3618	3624	3636	rVV6	19302	37518	1.98%	0.159%
91	12.964	3660	3667	3681	rVB2	27606	42386	2.23%	0.180%
92	13.083	3697	3704	3708	rBV5	23101	31316	1.65%	0.133%
93	13.121	3708	3716	3733	rVB2	203574	315787	16.64%	1.340%
94	13.282	3757	3766	3789	rVB4	39147	87318	4.60%	0.371%
95	13.456	3813	3820	3828	rBV4	18624	29249	1.54%	0.124%
96	13.507	3828	3836	3844	rBV8	16738	29532	1.56%	0.125%
97	13.742	3903	3909	3918	rVB	25565	37815	1.99%	0.160%
98	13.877	3941	3951	3962	rVB5	11819	27823	1.47%	0.118%
99	14.141	4025	4033	4049	rVB2	39208	65622	3.46%	0.278%
100	14.887	4254	4265	4275	rBV4	16807	36995	1.95%	0.157%

Sum of corrected areas: 23567607

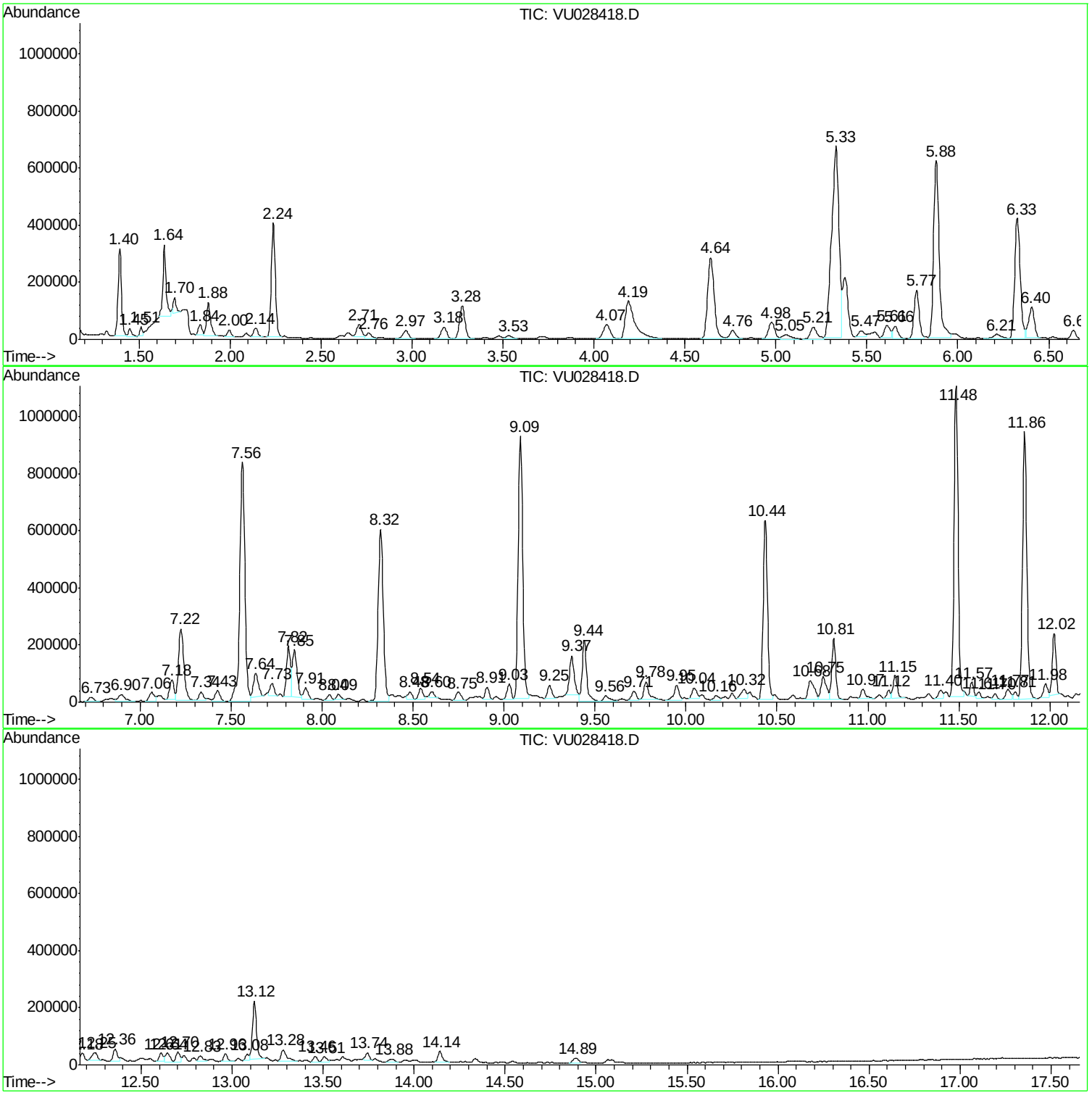
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

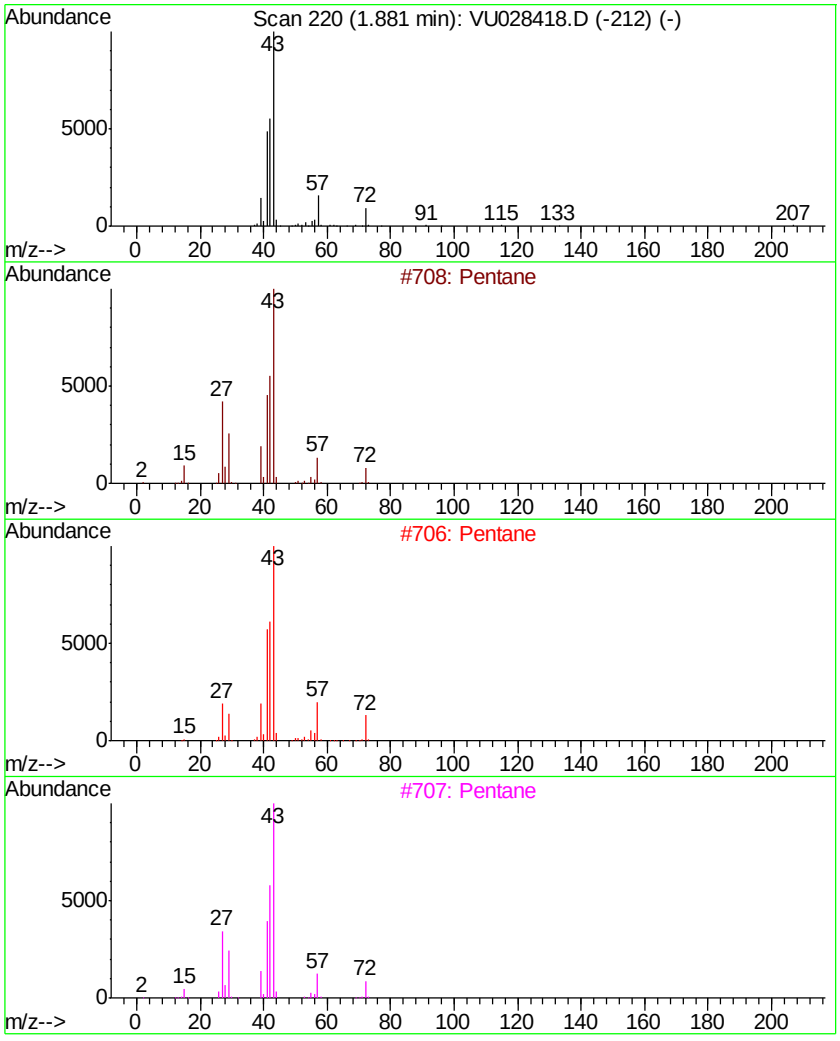
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

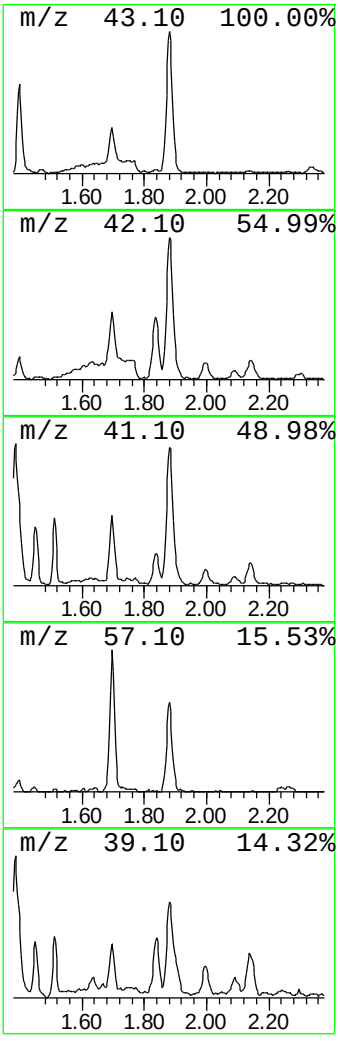
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.88	7.09 ug/L	184254	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	64
5	Isobutane	58	C4H10	000075-28-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

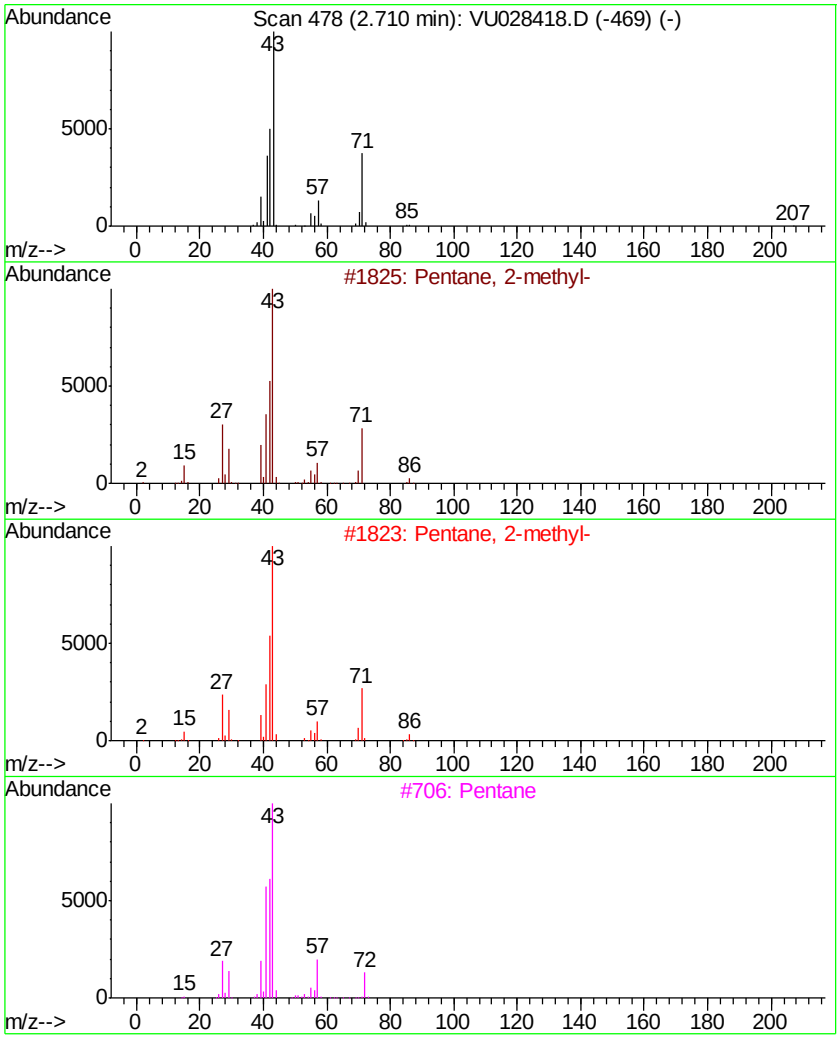
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

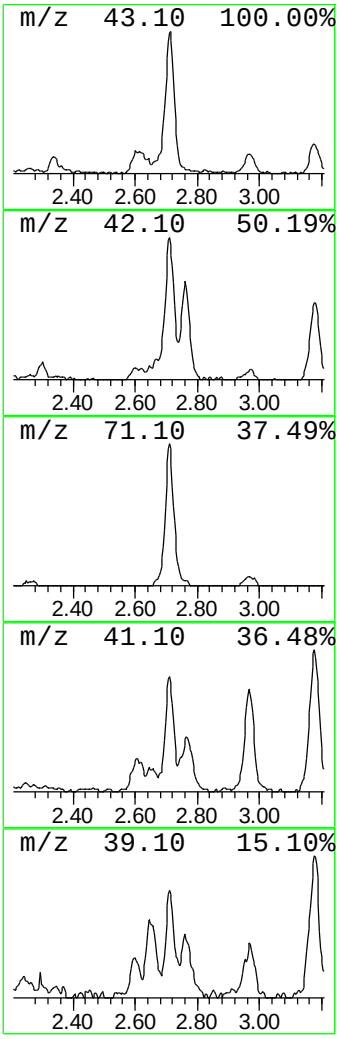
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	2.96 ug/L	77015	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	78
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	74
3	Pentane	72	C5H12	000109-66-0	28
4	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	17
5	Pyrrolidine	71	C4H9N	000123-75-1	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

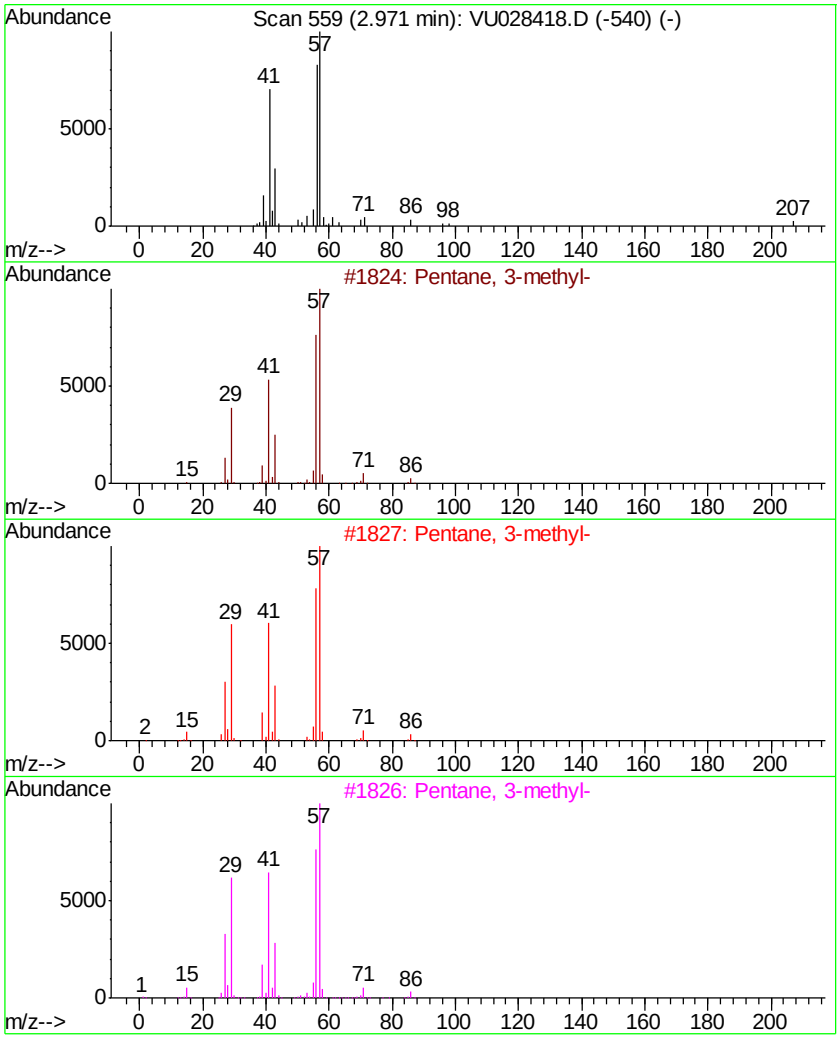
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

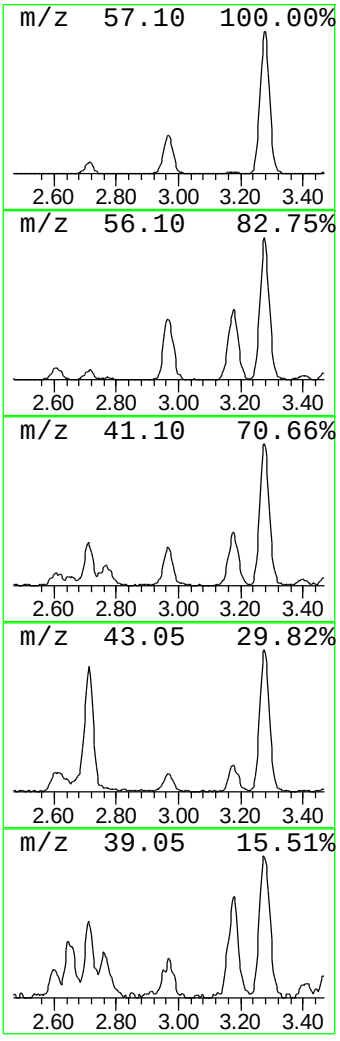
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	2.54 ug/L	66149	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	39
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	39





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

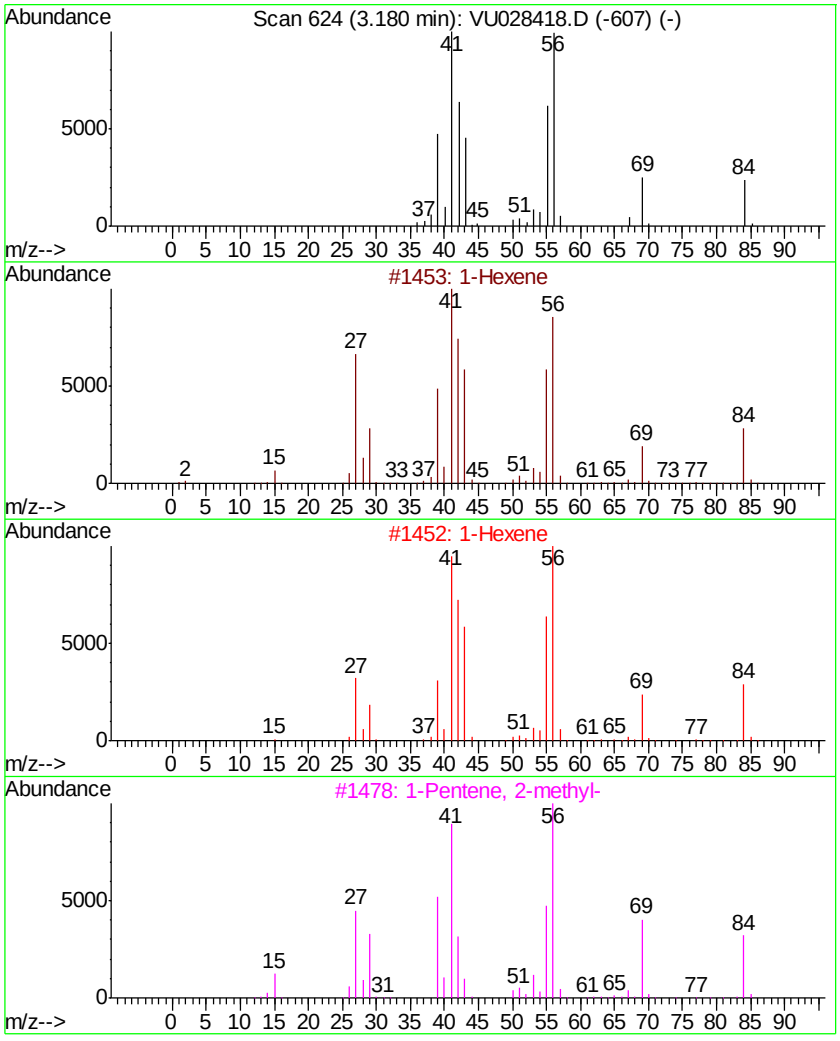
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

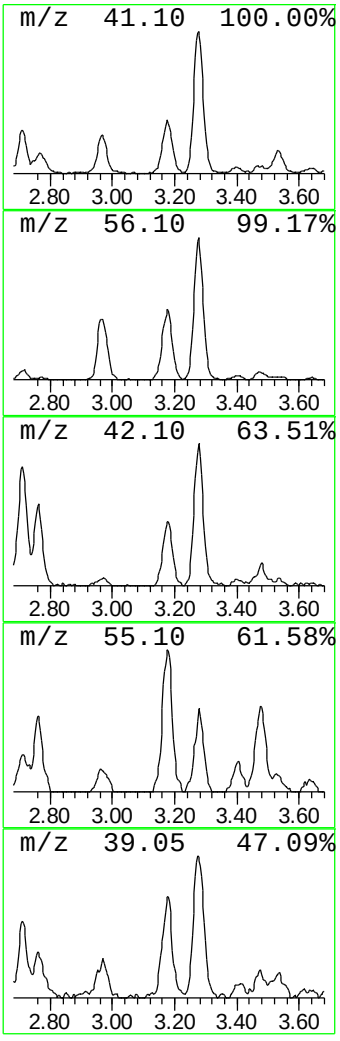
****

Peak Number 5 (DEL) Alkane: Cyclic3.18 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	3.49 ug/L	90727	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene	84	C6H12	000592-41-6	95
2	1-Hexene	84	C6H12	000592-41-6	81
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	58
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

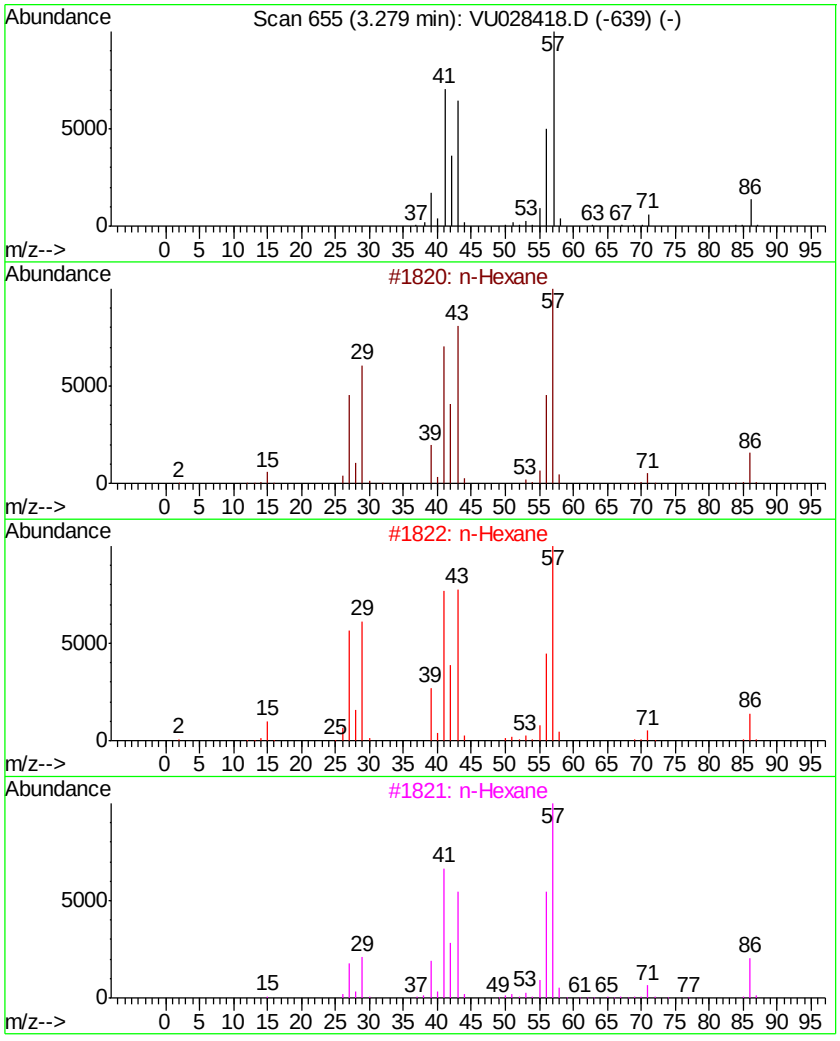
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

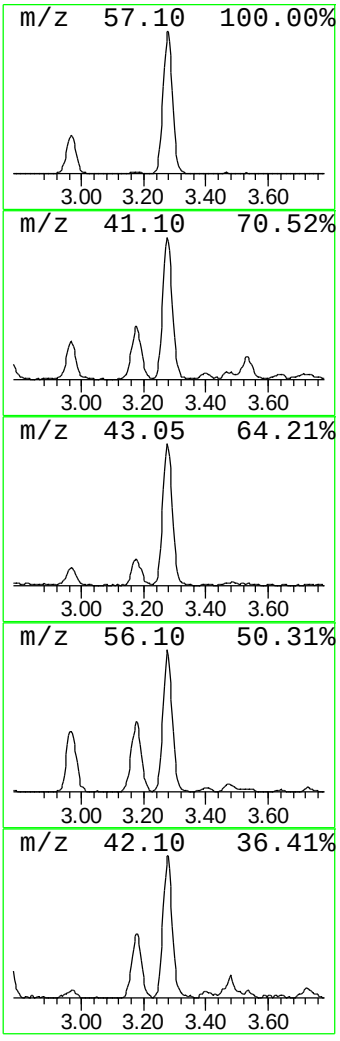
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.28	9.52 ug/L	247650	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	87
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	43
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

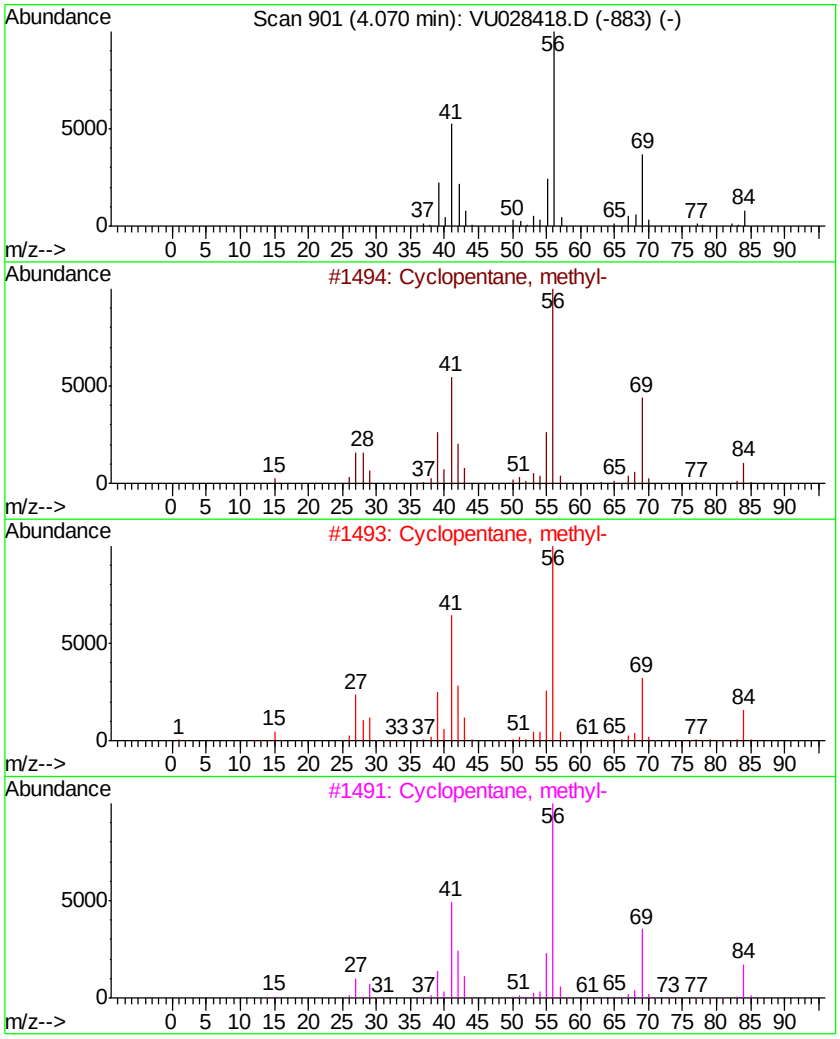
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

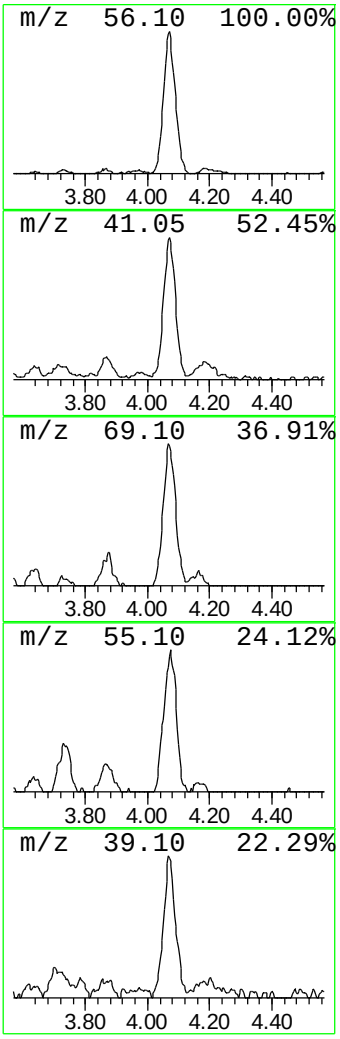
****

Peak Number 7 (DEL) Alkane: Cyclic4.07 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	5.03 ug/L	130879	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	86
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	78





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Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

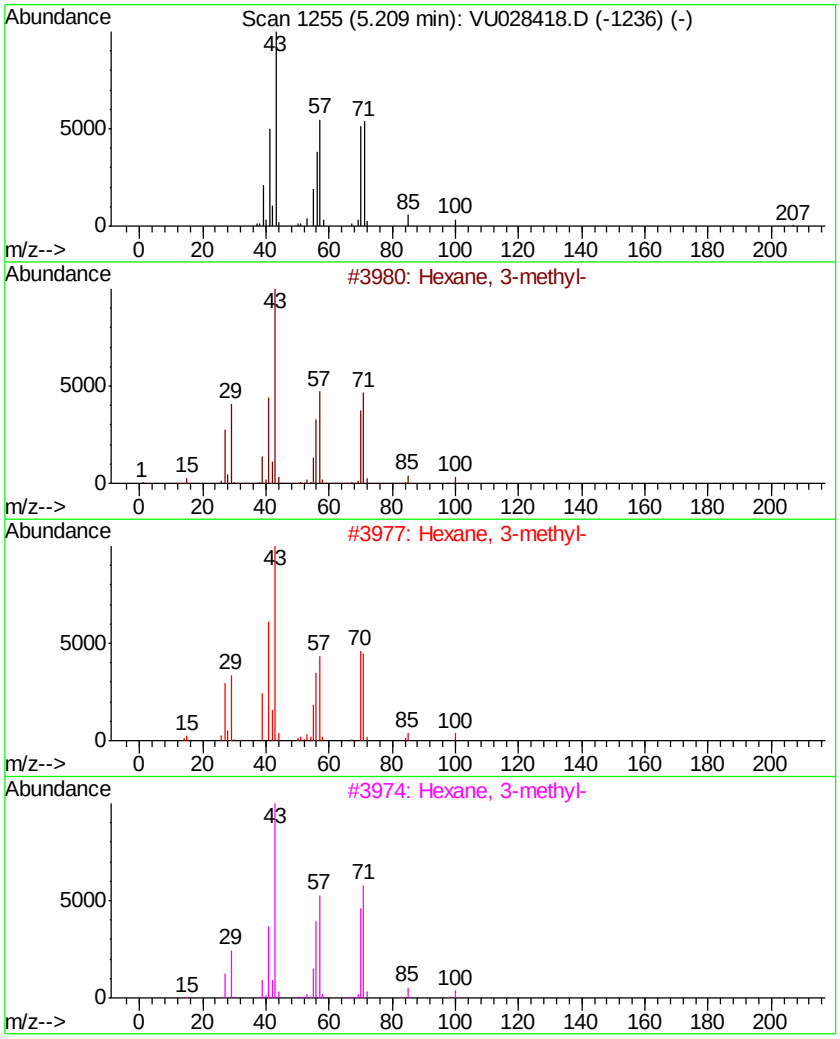
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

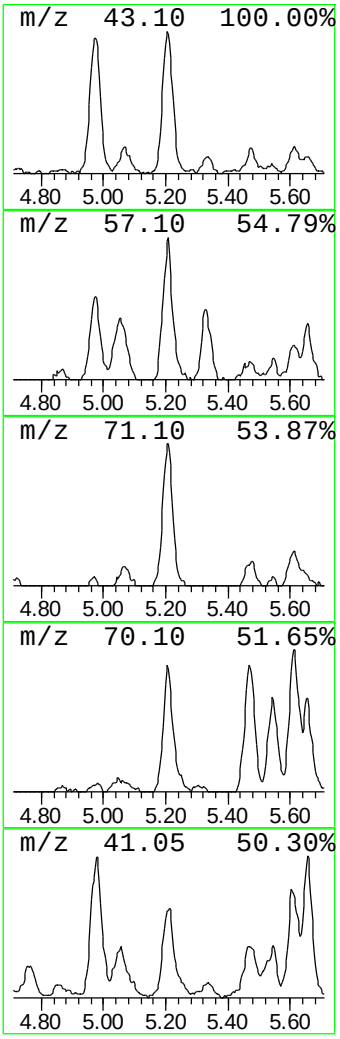
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	4.20 ug/L	109183	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
4	Heptane	100	C7H16	000142-82-5	64
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

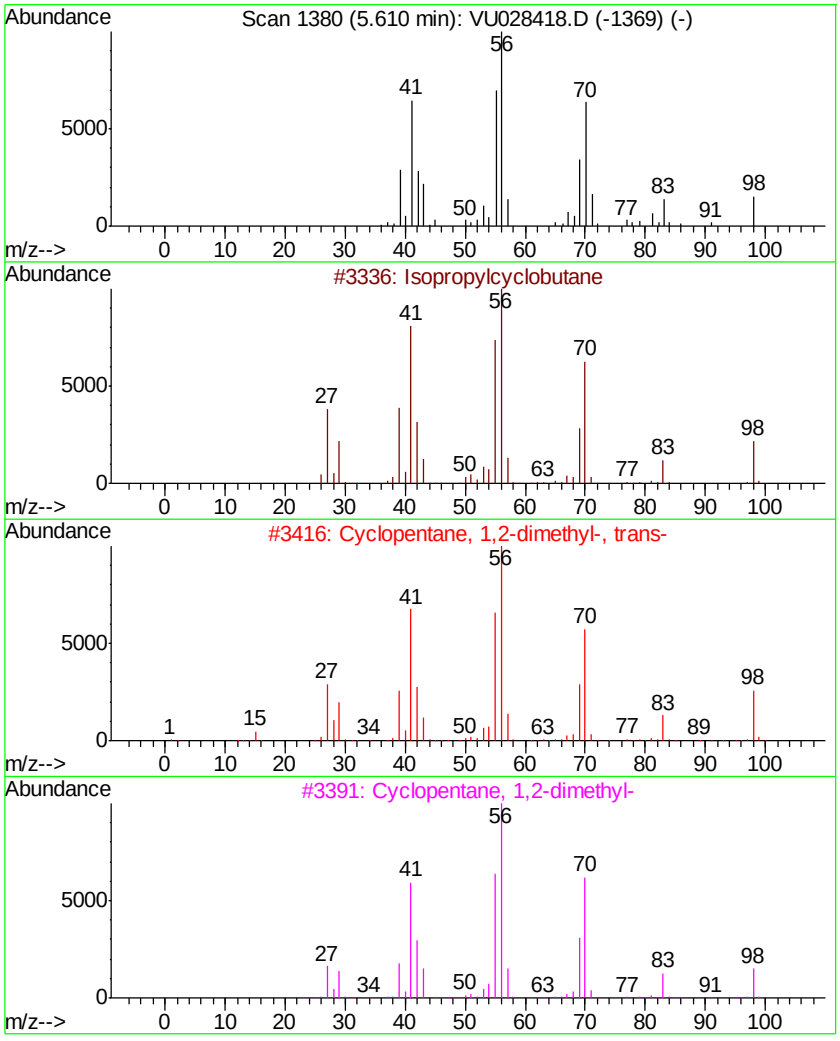
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

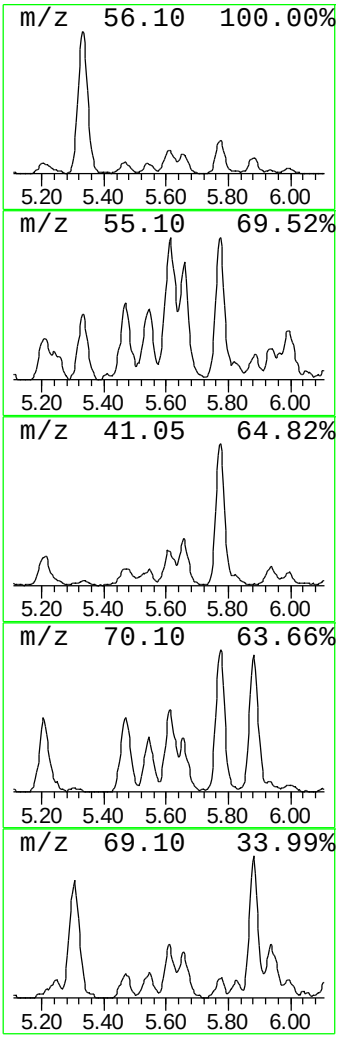
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	3.52 ug/L	91654	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	87
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	83
4	1-Heptene	98	C7H14	000592-76-7	83
5	1-Heptene	98	C7H14	000592-76-7	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

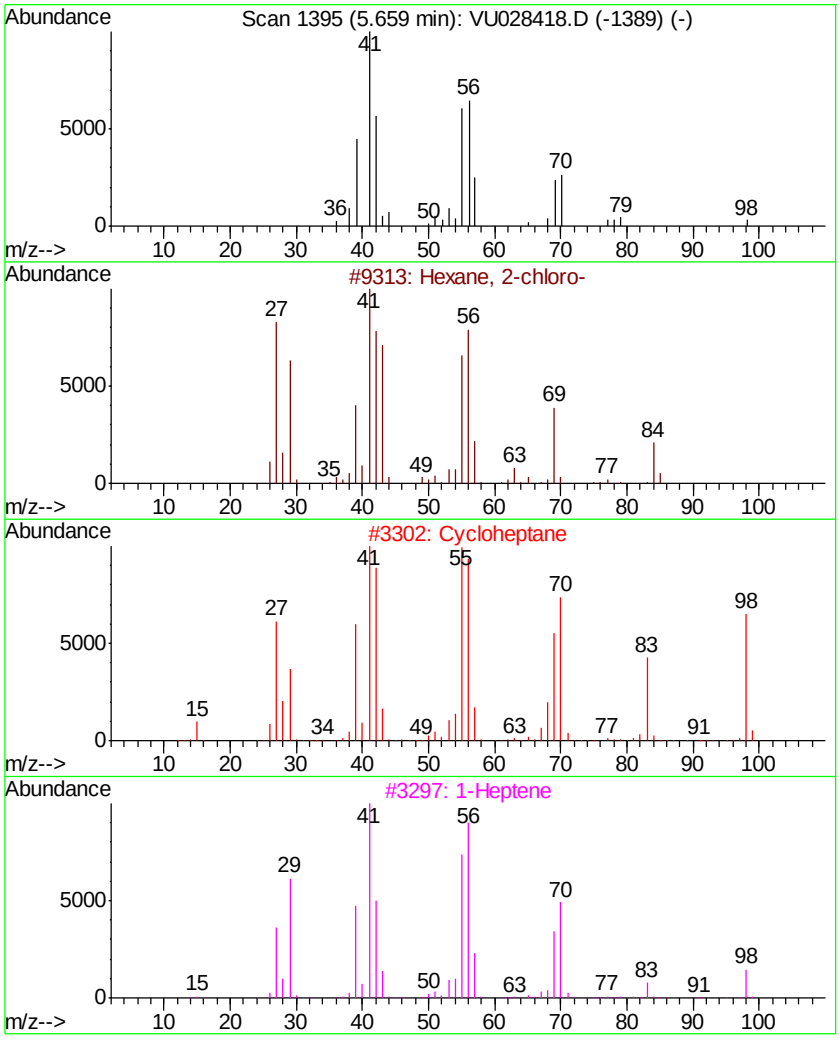
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

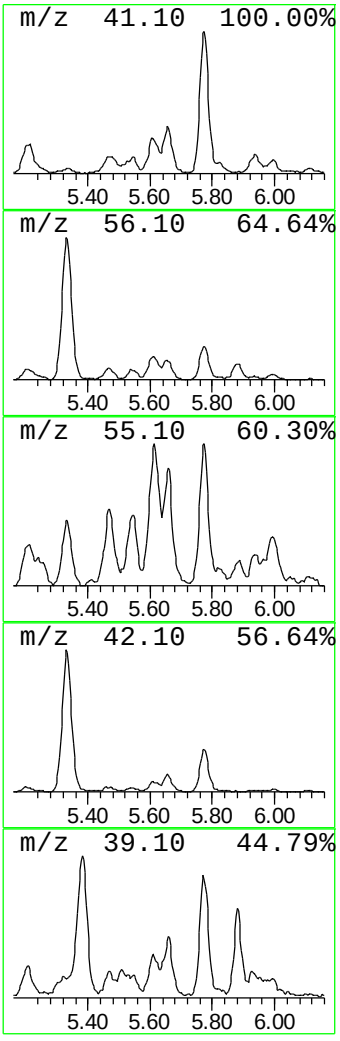
****

Peak Number 10 Hexane, 2-chloro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.66	3.06 ug/L	79470	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-chloro-	120	C6H13Cl	000638-28-8	59
2	Cycloheptane	98	C7H14	000291-64-5	50
3	1-Heptene	98	C7H14	000592-76-7	45
4	1-Hexene	84	C6H12	000592-41-6	45
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

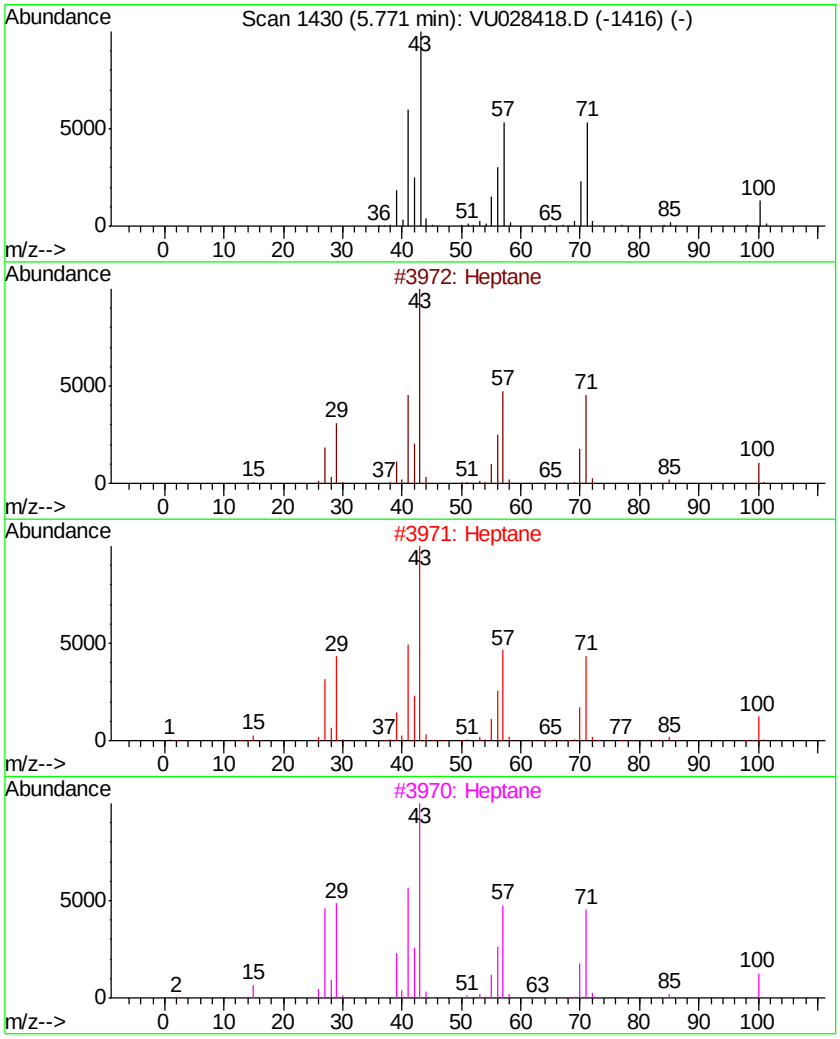
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

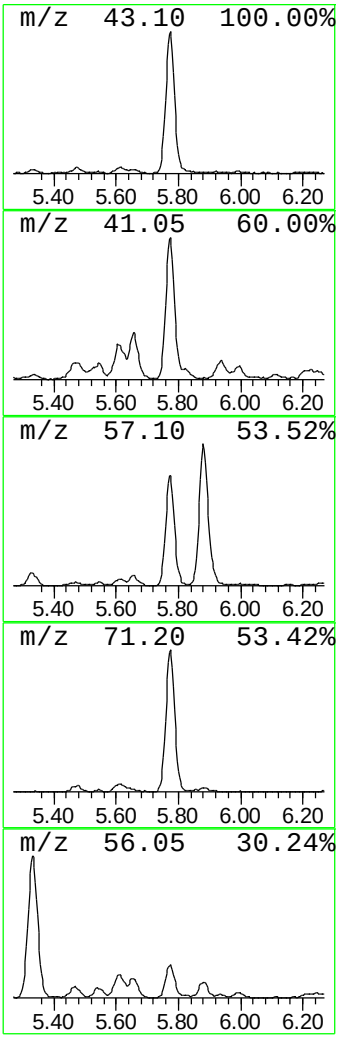
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	13.03 ug/L	338924	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	95
2	Heptane	100	C7H16	000142-82-5	94
3	Heptane	100	C7H16	000142-82-5	91
4	Heptane	100	C7H16	000142-82-5	87
5	Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

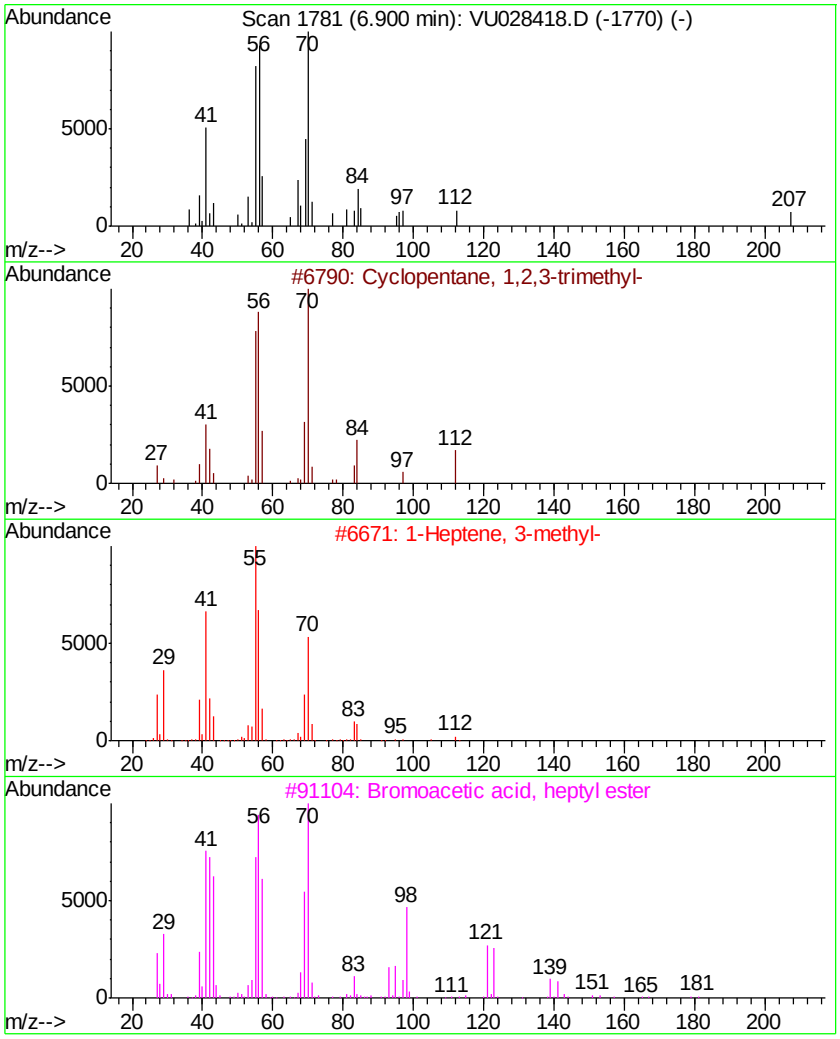
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

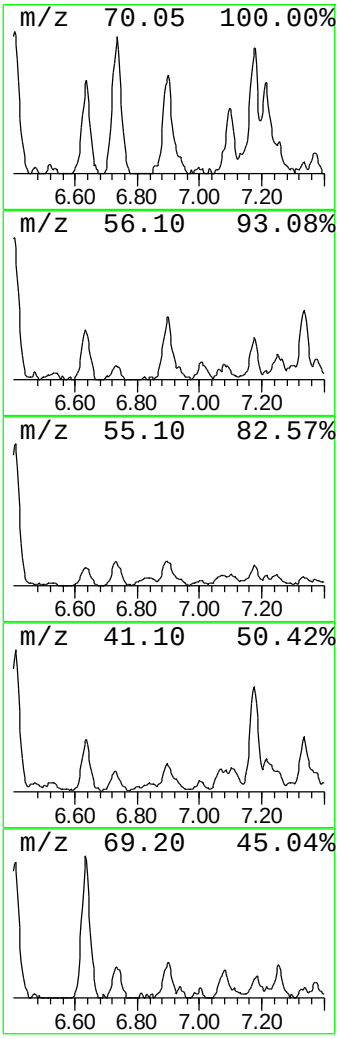
****

Peak Number 12 (DEL) Alkane: Cyclic6.90 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	2.56 ug/L	66547	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	59
2	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	53
3	Bromoacetic acid, heptyl ester	236	C9H17BrO2	018991-99-6	50
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50
5	Furan, 3-butyltetrahydro-2-methy...	142	C9H18O	036712-20-6	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

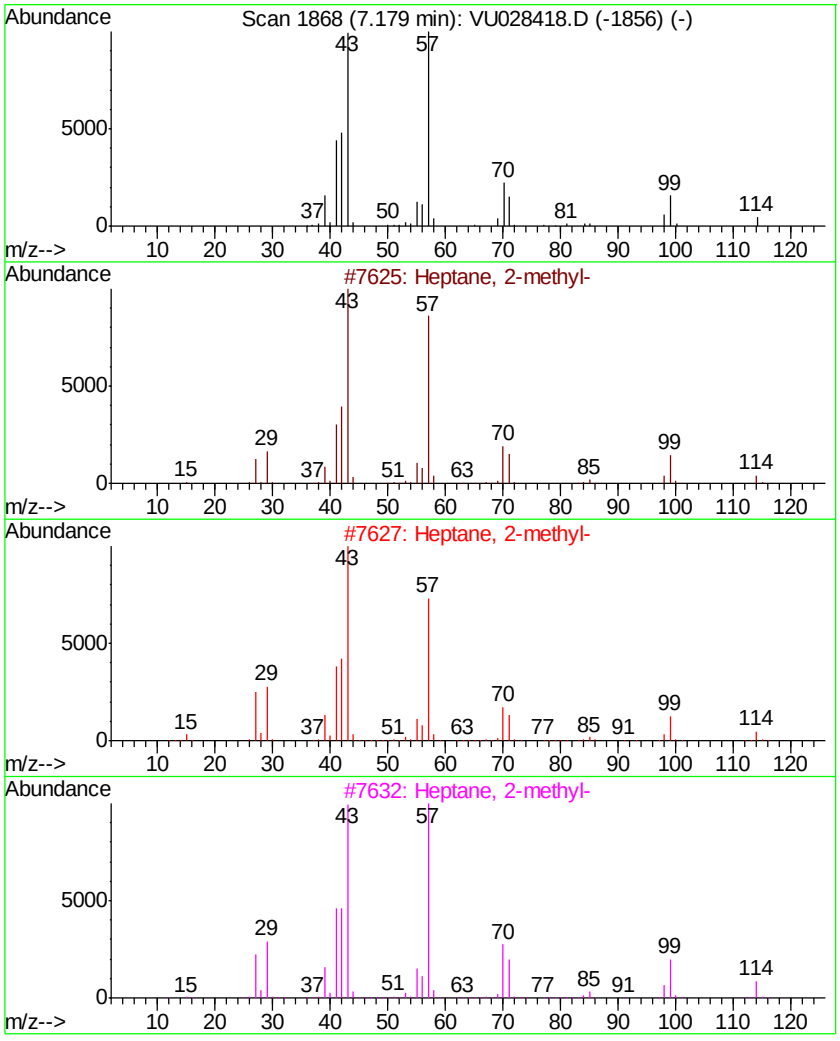
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

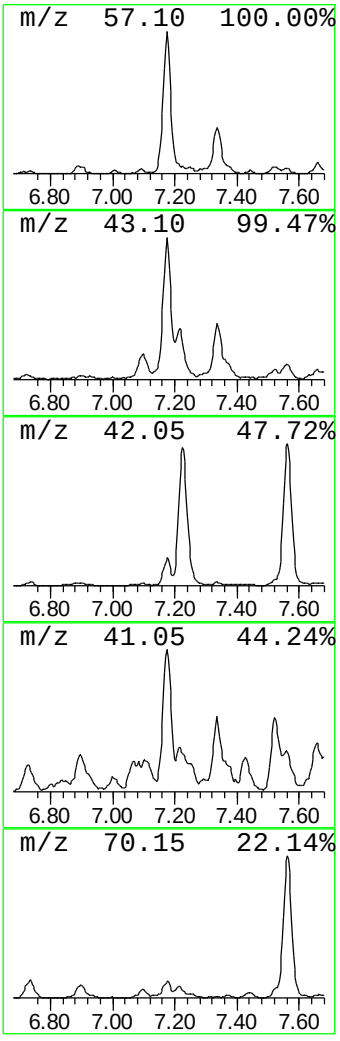
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	4.43 ug/L	115269	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	90
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	58
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	52
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

****

Peak Number 15 Cyclohexene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	2.75 ug/L	71534	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	83
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	80
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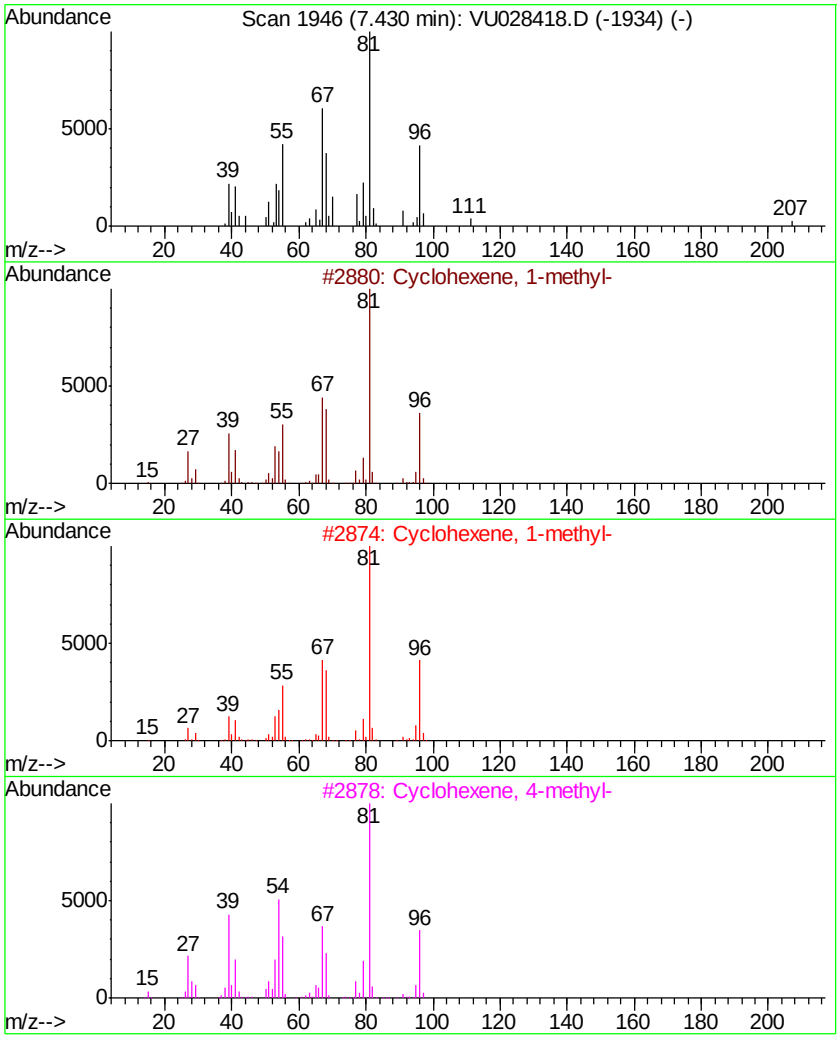
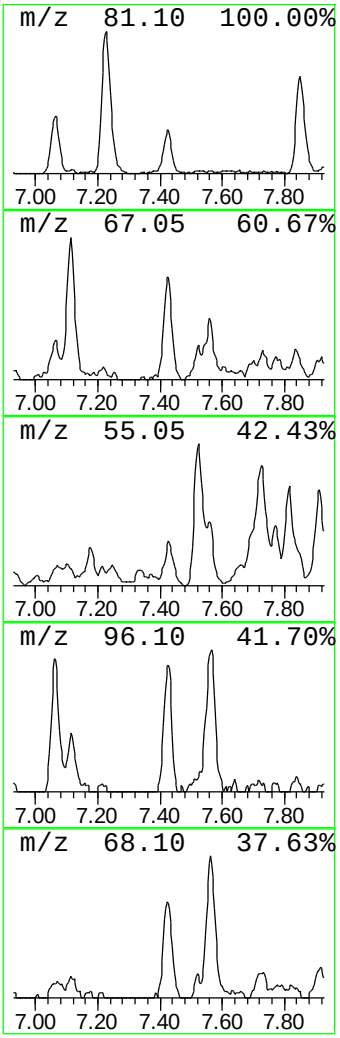




Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

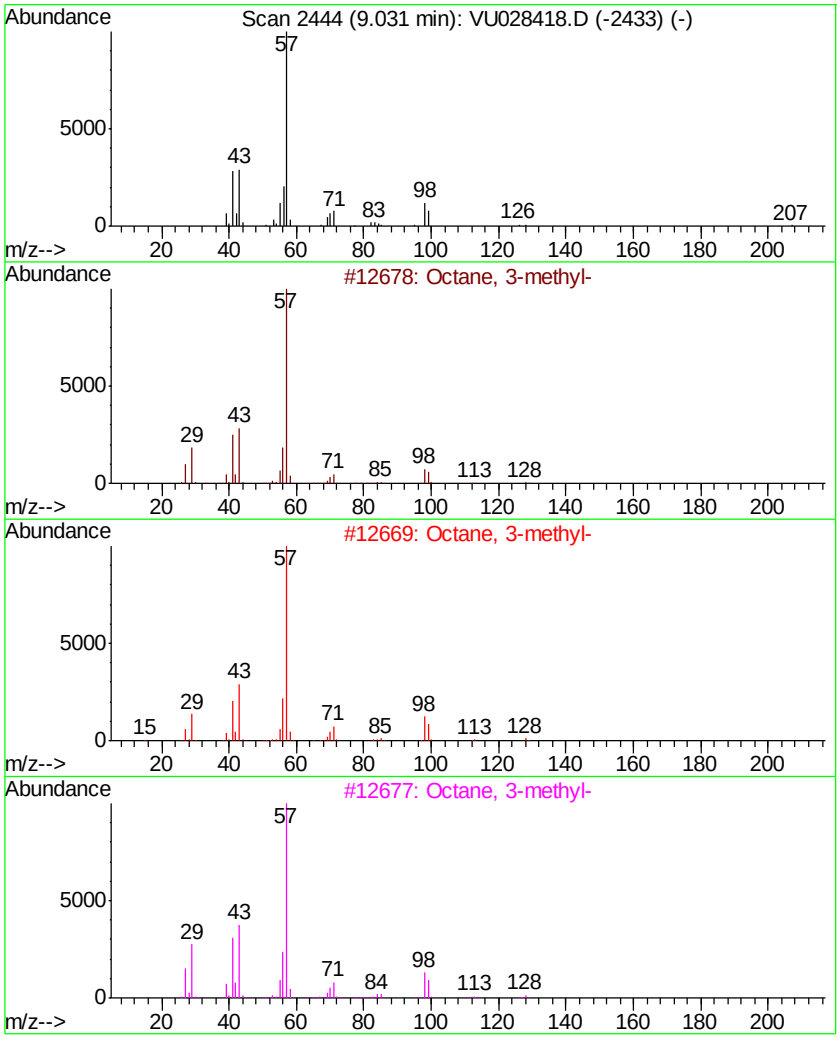
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

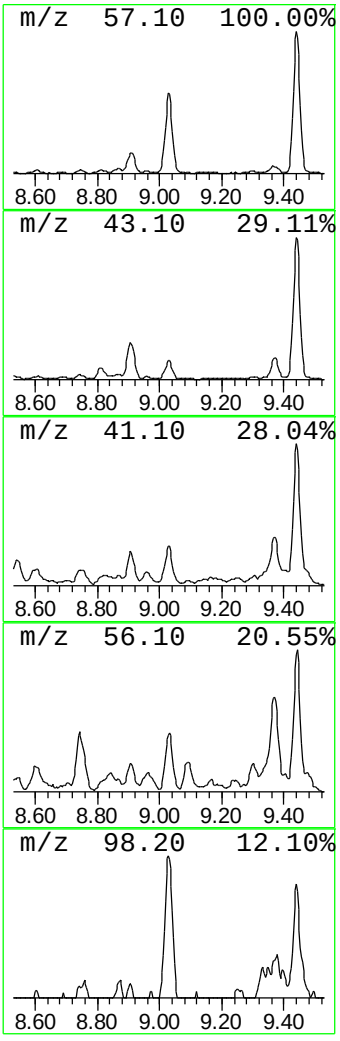
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	2.55 ug/L	80780	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	78
2	Octane, 3-methyl-	128	C9H20	002216-33-3	78
3	Octane, 3-methyl-	128	C9H20	002216-33-3	74
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

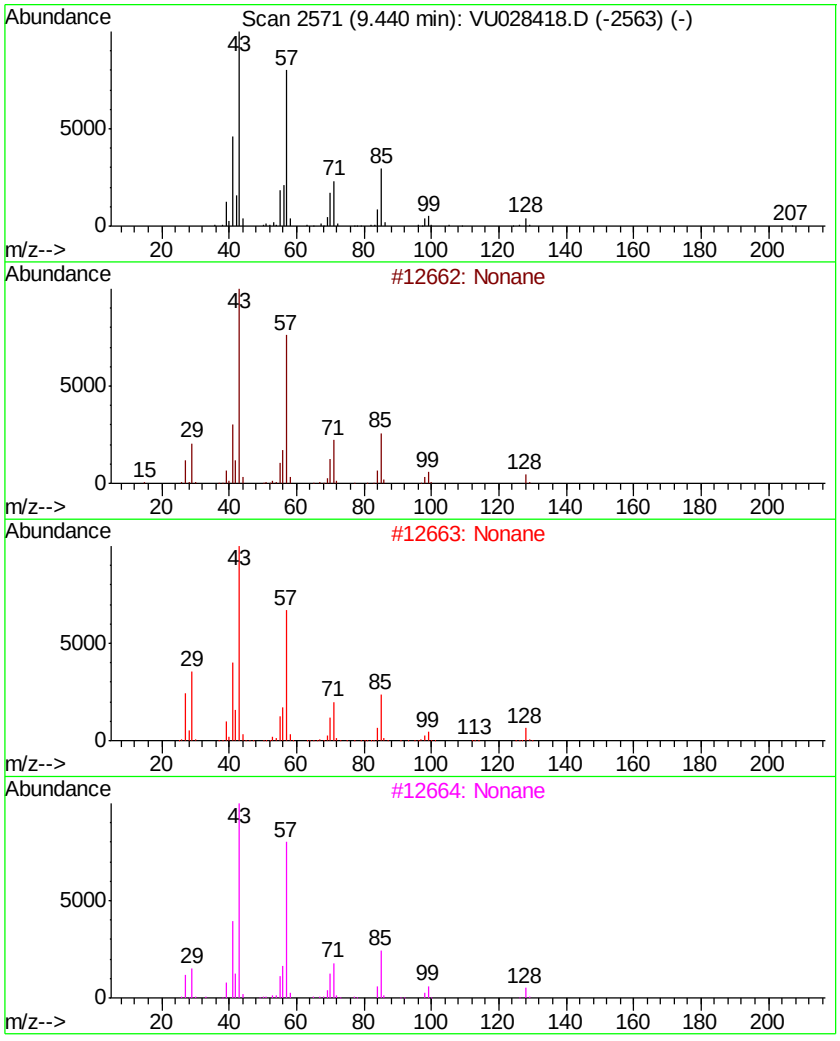
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

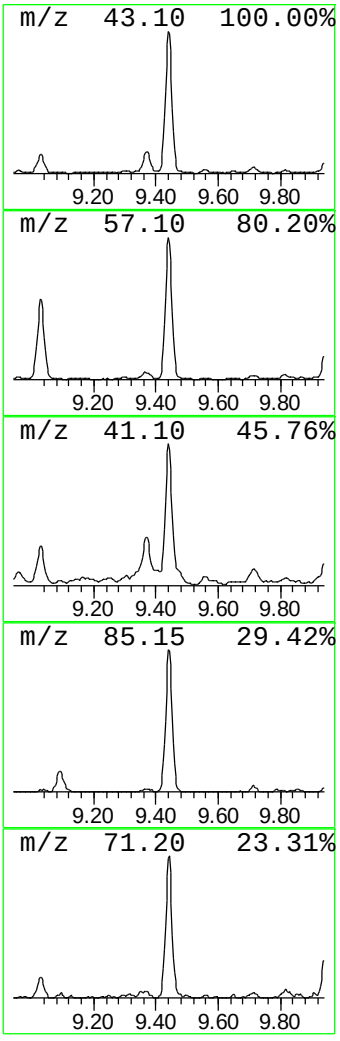
****

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	11.48 ug/L	363114	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	94
2	Nonane	128	C9H20	000111-84-2	90
3	Nonane	128	C9H20	000111-84-2	80
4	Octane, 4-methyl-	128	C9H20	002216-34-4	62
5	Octane	114	C8H18	000111-65-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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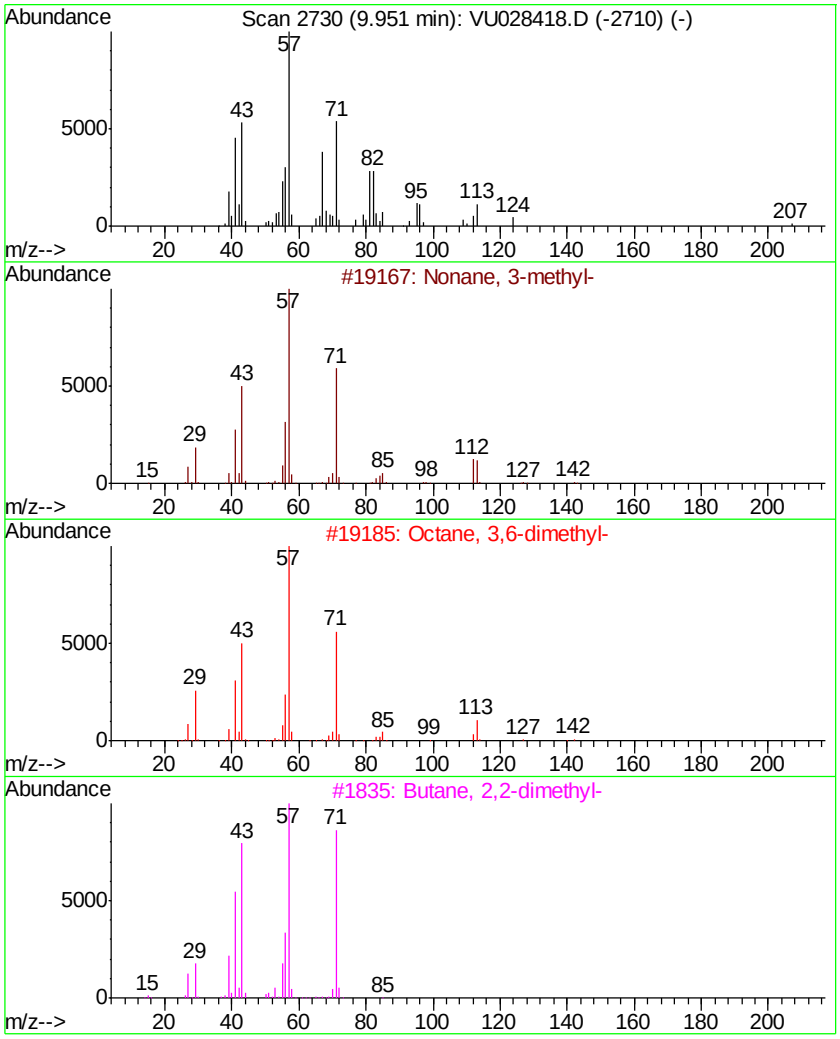
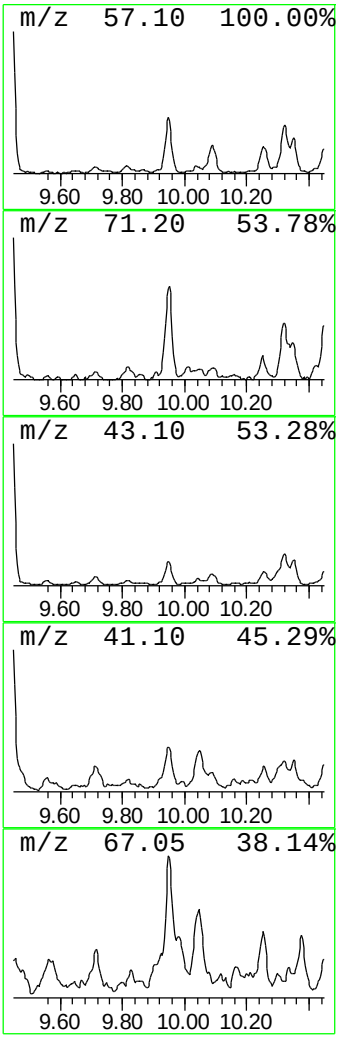
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	3.55 ug/L	112472	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	43
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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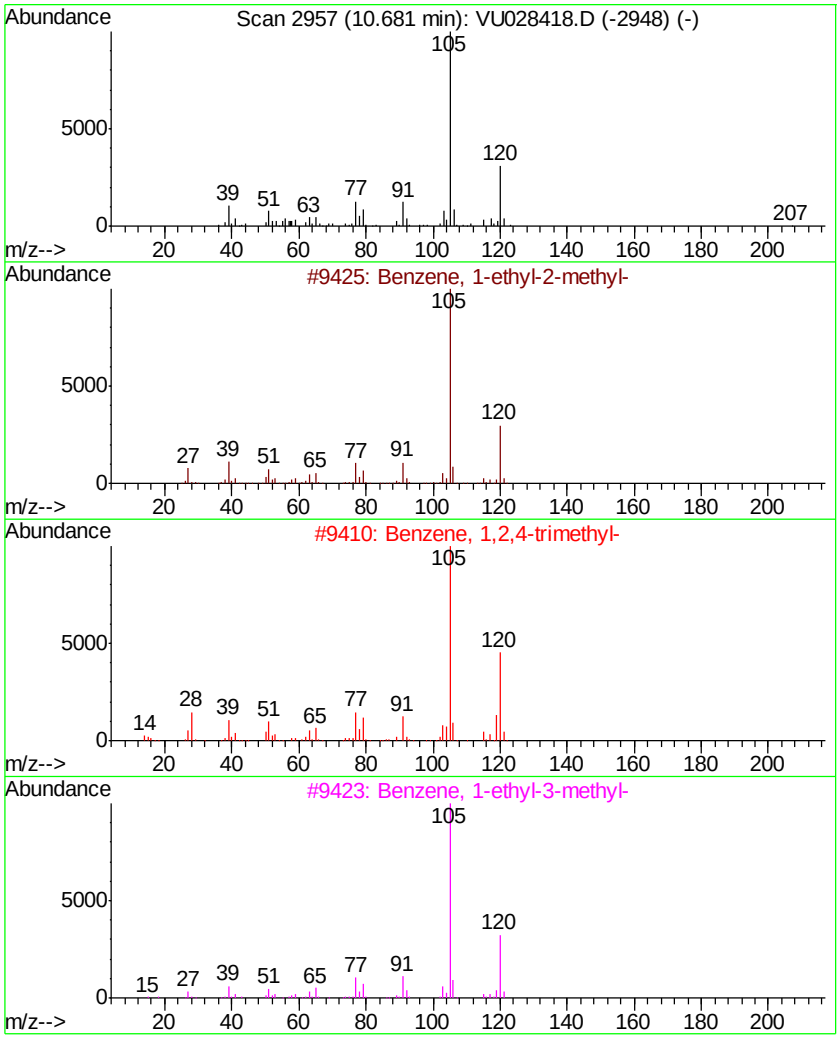
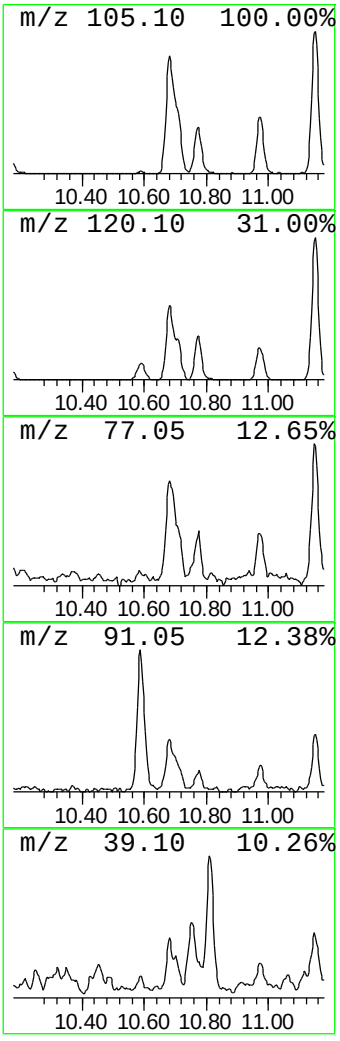
Peak Number 19 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	4.52 ug/L	153044	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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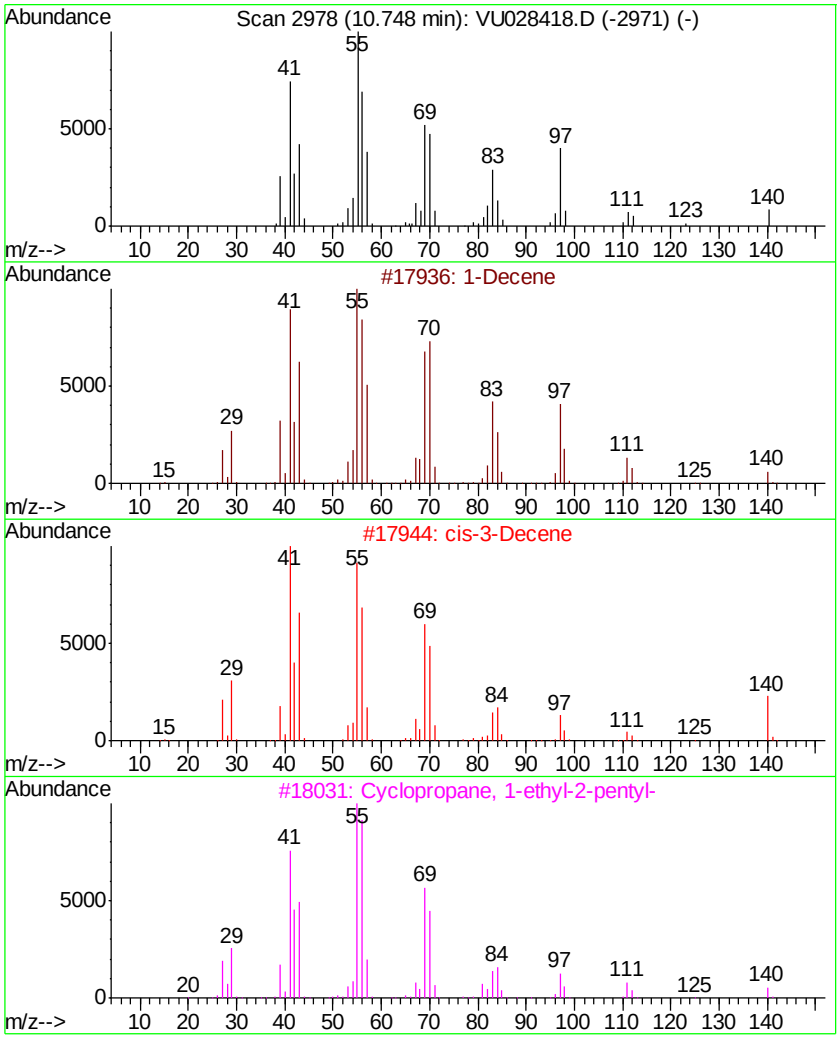
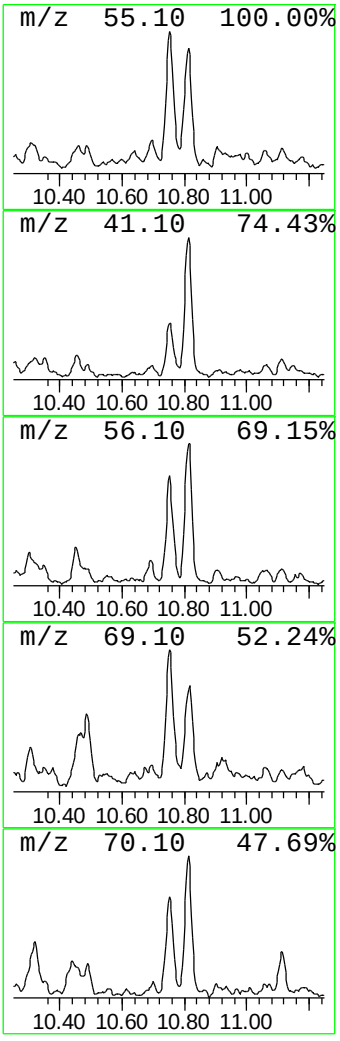
Peak Number 20 (DEL) Alkane: Cyclic10.75 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	4.88 ug/L	165286	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene	140	C10H20	000872-05-9	91
2	cis-3-Decene	140	C10H20	019398-86-8	87
3	Cyclopropane, 1-ethyl-2-pentyl-	140	C10H20	062238-08-8	87
4	2-Octene, (Z)-	112	C8H16	007642-04-8	76
5	trans-3-Decene	140	C10H20	019150-21-1	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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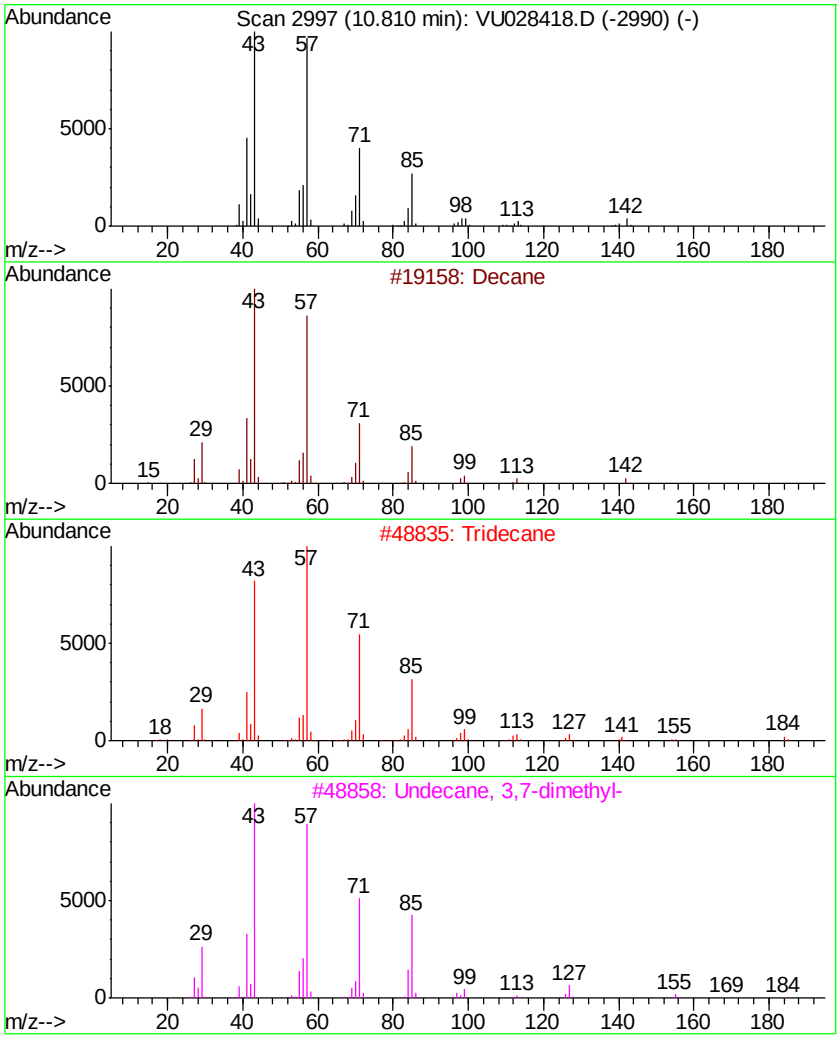
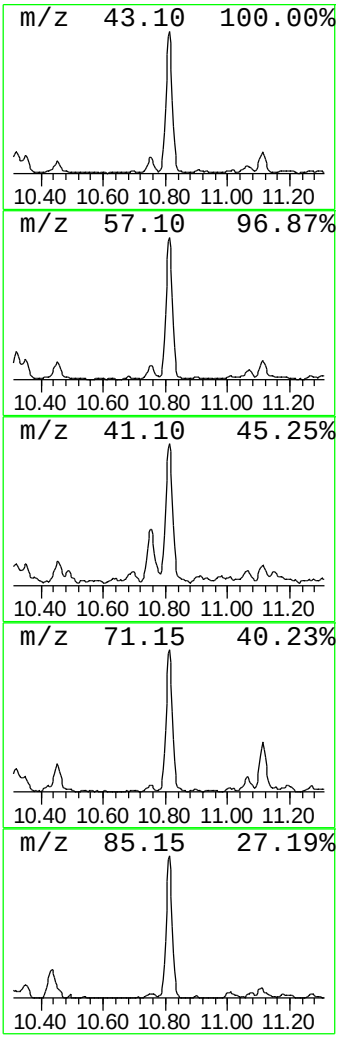
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	9.53 ug/L	322669	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	94
2	Tridecane	184	C13H28	000629-50-5	72
3	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	72
4	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	72
5	Decane	142	C10H22	000124-18-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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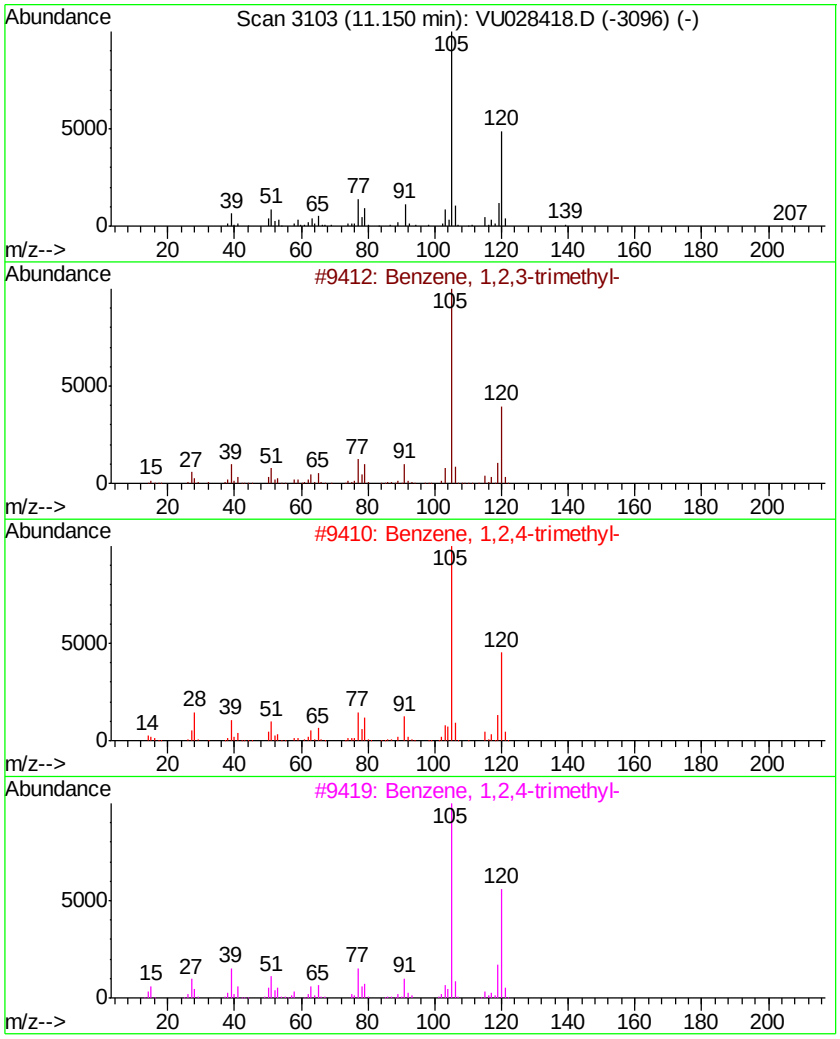
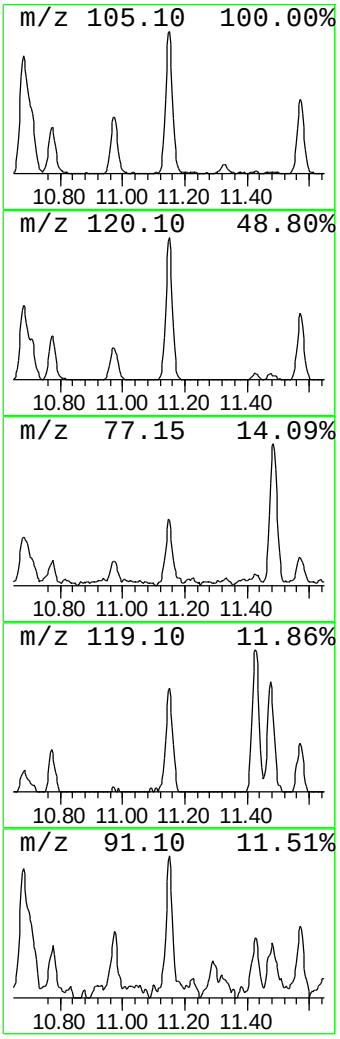
Peak Number 22 Benzene, 1,2,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	3.68 ug/L	124682	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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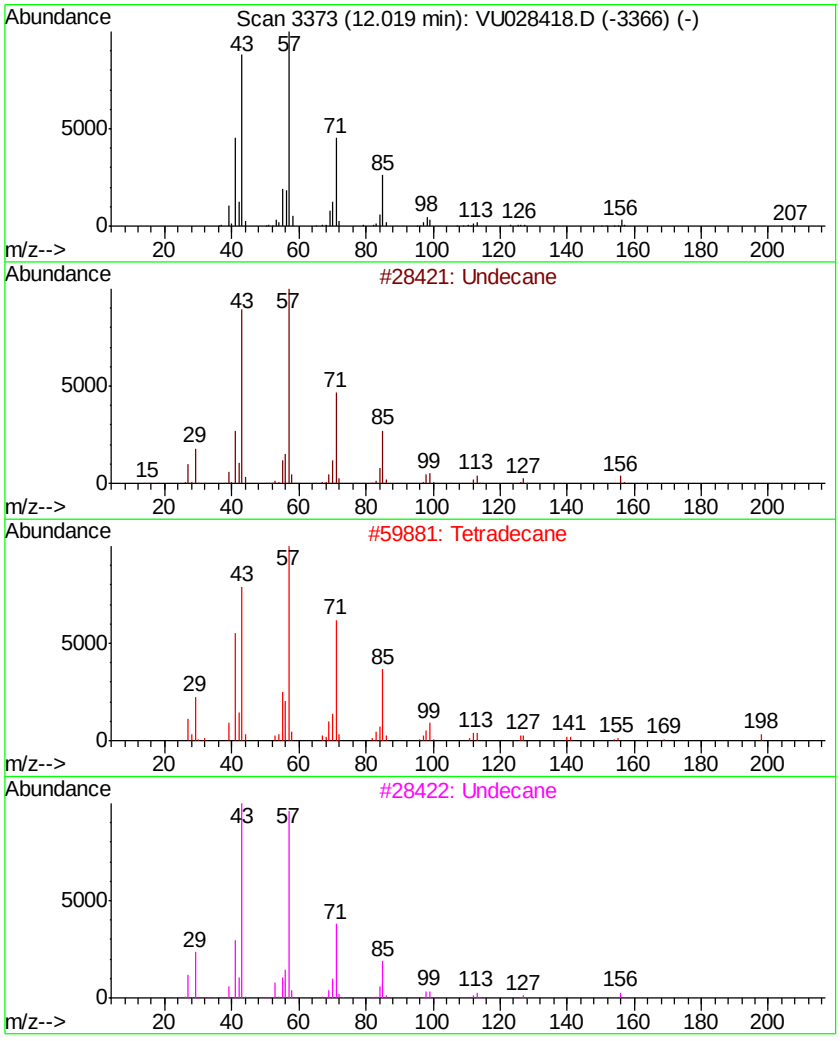
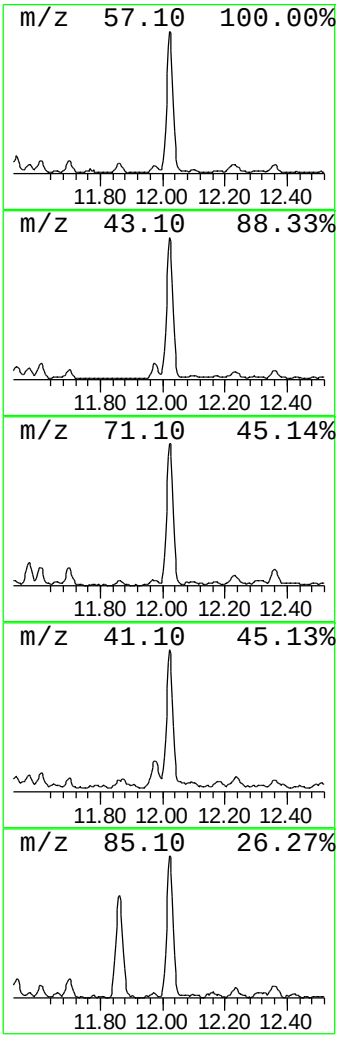
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	8.71 ug/L	294974	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Undecane	156	C11H24	001120-21-4	83
4	Tridecane	184	C13H28	000629-50-5	80
5	Tridecane	184	C13H28	000629-50-5	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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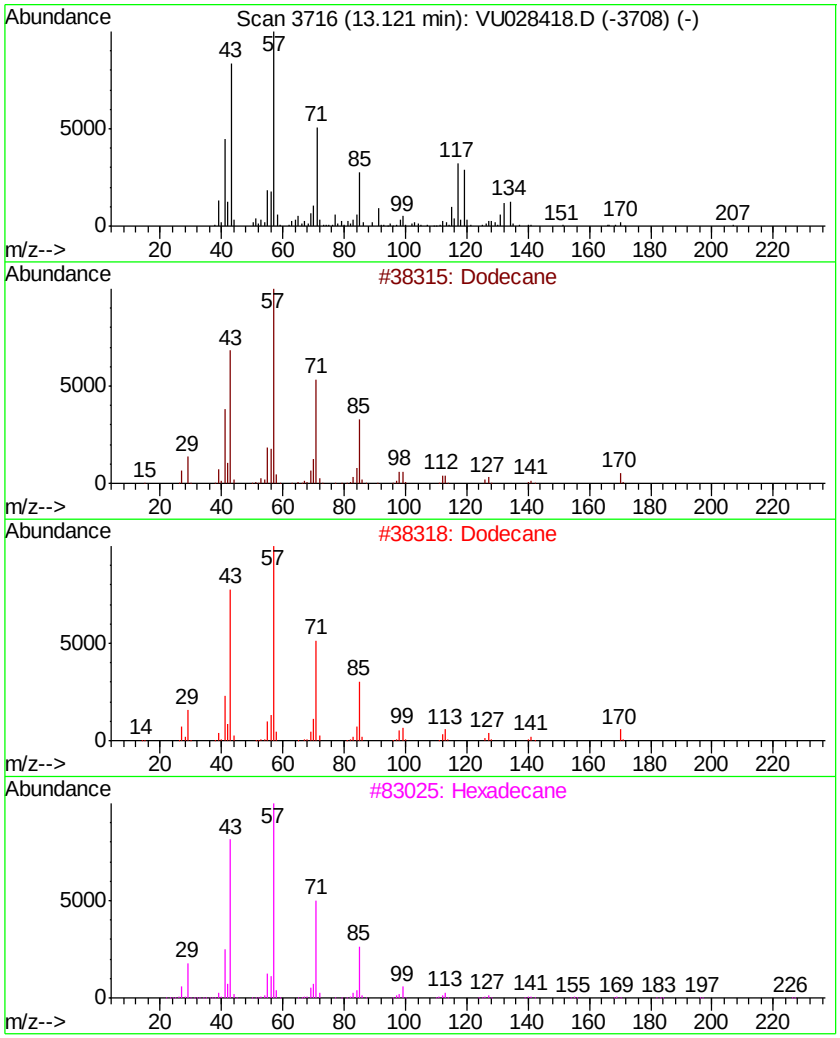
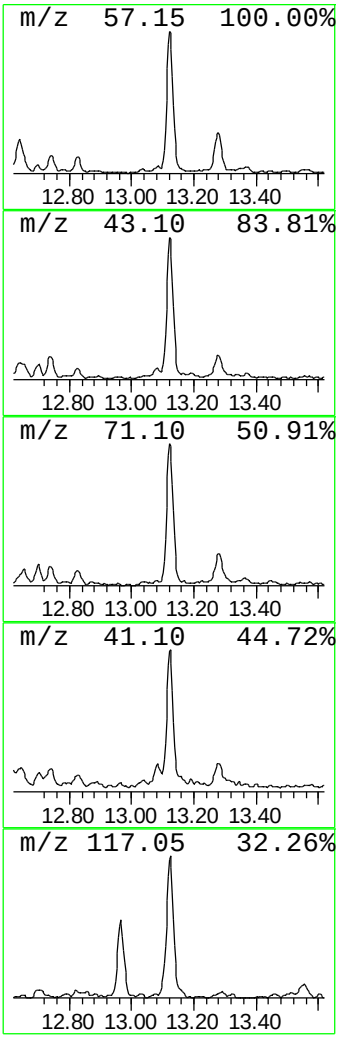
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	9.33 ug/L	315787	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	90
2	Dodecane	170	C12H26	000112-40-3	55
3	Hexadecane	226	C16H34	000544-76-3	43
4	Tetradecane	198	C14H30	000629-59-4	43
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

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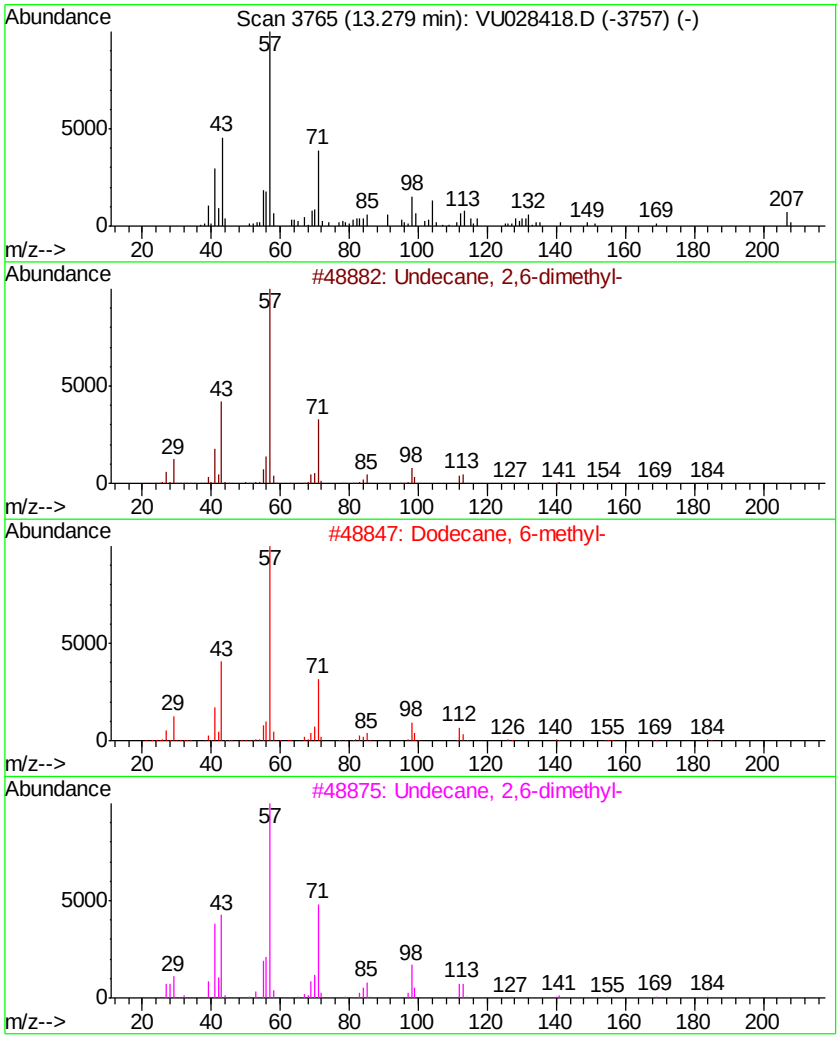
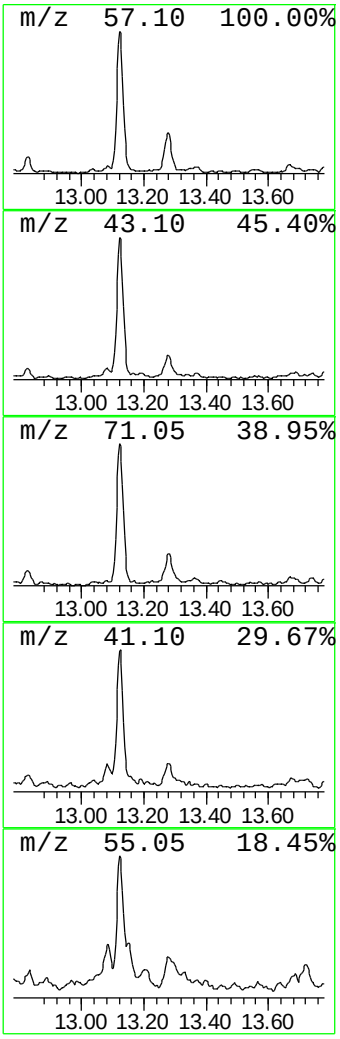
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.58 ug/L	87318	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	49
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	49
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	49
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	47
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
Data File : VU028418.D
Acq On : 30 Nov 2018 13:13
Operator : MD/SY
Sample : J6077-05ME
Misc : 5.35g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9Y38ME

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.88	7.1	ug/L	184254	1	5.88	1300220	50.0
(DEL) Alkane: Str...	2.71	3.0	ug/L	77015	1	5.88	1300220	50.0
(DEL) Alkane: Str...	2.97	2.5	ug/L	66149	1	5.88	1300220	50.0
(DEL) Alkane: Cyc...	3.18	3.5	ug/L	90727	1	5.88	1300220	50.0
(DEL) Alkane: Str...	3.28	9.5	ug/L	247650	1	5.88	1300220	50.0
(DEL) Alkane: Cyc...	4.07	5.0	ug/L	130879	1	5.88	1300220	50.0
(DEL) Alkane: Str...	5.21	4.2	ug/L	109183	1	5.88	1300220	50.0
(DEL) Alkane: Str...	5.61	3.5	ug/L	91654	1	5.88	1300220	50.0
Hexane, 2-chloro-	5.66	3.1	ug/L	79470	1	5.88	1300220	50.0
(DEL) Alkane: Str...	5.77	13.0	ug/L	338924	1	5.88	1300220	50.0
(DEL) Alkane: Cyc...	6.90	2.6	ug/L	66547	1	5.88	1300220	50.0
(DEL) Alkane: Str...	7.18	4.4	ug/L	115269	1	5.88	1300220	50.0
Cyclohexene, 1-me...	7.43	2.8	ug/L	71534	1	5.88	1300220	50.0
(DEL) Alkane: Str...	9.03	2.5	ug/L	80780	2	9.09	1581930	50.0
(DEL) Alkane: Str...	9.44	11.5	ug/L	363114	2	9.09	1581930	50.0
(DEL) Alkane: Str...	9.95	3.5	ug/L	112472	2	9.09	1581930	50.0
Benzene, 1-ethyl-...	10.68	4.5	ug/L	153044	3	11.48	1692950	50.0
(DEL) Alkane: Cyc...	10.75	4.9	ug/L	165286	3	11.48	1692950	50.0
(DEL) Alkane: Str...	10.81	9.5	ug/L	322669	3	11.48	1692950	50.0
Benzene, 1,2,3-tr...	11.15	3.7	ug/L	124682	3	11.48	1692950	50.0
(DEL) Alkane: Str...	12.02	8.7	ug/L	294974	3	11.48	1692950	50.0
(DEL) Alkane: Str...	13.12	9.3	ug/L	315787	3	11.48	1692950	50.0
(DEL) Alkane: Str...	13.28	2.6	ug/L	87318	3	11.48	1692950	50.0