LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR102919WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.315	62	70	81	rBV	268657	289784	12.15%	0.687%
2	1.582	146	153	164	rVB	190976	219678	9.21%	0.521%
3	1.646	166	173	183	rVB	210837	249047	10.44%	0.590%
4	1.820	220	227	236	rVB	158198	196930	8.26%	0.467%
5	2.042	289	296	306	rVB2	50785	67203	2.82%	0.159%
6	2.129	313	323	338	rVB	368568	526580	22.08%	1.248%
7	2.553	432	455	464	rBV	285288	645191	27.06%	1.529%
8	2.601	464	470	483	rVB2	82837	149504	6.27%	0.354%
9	2.788	512	528	545	rBV	210842	419871	17.61%	0.995%
10	3.071	600	616	635	rVB	276365	539646	22.63%	1.279%
11	3.309	678	690	704	rVB2	48584	106146	4.45%	0.252%
12	3.617	775	786	801	rVB2	28676	66758	2.80%	0.158%
13	3.804	827	844	863	rBV3	408302	1008233	42.28%	2.390%
14	3.962	879	893	937	rBV	149261	675251	28.32%	1.601%
15	4.399	1014	1029	1051	rBV	303002	772919	32.41%	1.832%
16	4.505	1052	1062	1081	rVB3	54569	128227	5.38%	0.304%
17	4.720	1111	1129	1144	rBV2	459621	1158151	48.57%	2.745%
18	4.807	1146	1156	1176	rVB4	77715	217241	9.11%	0.515%
19	4.952	1187	1201	1229	rBV4	190662	622693	26.11%	1.476%
20	5.093	1229	1245	1257	rBV2	729658	1766159	74.07%	4.187%
21	5.219	1273	1284	1295	rBV3	197389	441581	18.52%	1.047%
22	5.293	1296	1307	1318	rVV4	195490	476093	19.97%	1.129%
23	5.367	1318	1330	1346	rVB2	329593	749354	31.43%	1.776%
24	5.531	1367	1381	1403	rBV2	253699	518361	21.74%	1.229%
25	5.662	1407	1422	1459	rBV	450674	1168291	49.00%	2.769%
26	5.984	1502	1522	1535	rBV6	46987	118040	4.95%	0.280%
27	6.116	1546	1563	1569	rBV2	413316	835846	35.05%	1.981%
28	6.174	1570	1581	1595	rVV2	1043974	2384458	100.00%	5.652%
29	6.238	1596	1601	1610	rVV4	30605	56675	2.38%	0.134%
30	6.299	1611	1620	1631	rVB2	39639	75847	3.18%	0.180%
31	6.405	1641	1653	1669	rVB2	142410	274724	11.52%	0.651%
32	6.505	1669	1684	1698	rVB2	132767	271686	11.39%	0.644%
33	6.608	1698	1716	1725	rBV8	36394	122700	5.15%	0.291%
34	6.672	1725	1736	1758	rVB4	178040	412840	17.31%	0.979%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR102919WMA.M
Title : TRACE VOA SOM01.0

35	6.842	1773	1789	1797	rBV	119148	242181	10.16%	0.574%
36	6.958	1817	1825	1832	rBV	116306	179353	7.52%	0.425%
37	7.029	1832	1847	1858	rVB3	236903	477327	20.02%	1.131%
38	7.119	1867	1875	1892	rVB	111785	208860	8.76%	0.495%
39	7.209	1892	1903	1917	rVB5	149315	309459	12.98%	0.734%
40	7.305	1920	1933	1940	rBV3	414852	815590	34.20%	1.933%
41	7.357	1940	1949	1965	rVB	919470	1699368	71.27%	4.028%
42	7.482	1978	1988	1996	rBV4	128634	240409	10.08%	0.570%
43	7.553	1997	2010	2020	rVV2	140704	327100	13.72%	0.775%
44	7.627	2020	2033	2037	rVV7	55242	131758	5.53%	0.312%
45	7.666	2038	2045	2046	rVV2	108305	134036	5.62%	0.318%
46	7.698	2047	2055	2073	rVB2	356434	684993	28.73%	1.624%
47	7.826	2076	2095	2104	rBV3	159554	316811	13.29%	0.751%
48	7.881	2104	2112	2124	rVB3	121543	201611	8.46%	0.478%
49	8.016	2143	2154	2164	rVB3	90779	153420	6.43%	0.364%
50	8.135	2178	2191	2211	rBV2	796016	1821160	76.38%	4.317%
51	8.273	2226	2234	2243	rVB3	150961	254396	10.67%	0.603%
52	8.331	2243	2252	2260	rBV	312219	487285	20.44%	1.155%
53	8.392	2260	2271	2280	rVB2	270702	471897	19.79%	1.119%
54	8.547	2307	2319	2329	rBV5	130017	246393	10.33%	0.584%
55	8.633	2331	2346	2361	rBV4	102956	271720	11.40%	0.644%
56	8.704	2361	2368	2376	rVB3	48347	66268	2.78%	0.157%
57	8.826	2393	2406	2416	rVB2	91531	188395	7.90%	0.447%
58	8.894	2416	2427	2437	rBV	721080	1153707	48.38%	2.735%
59	8.974	2446	2452	2460	rVB	81387	113649	4.77%	0.269%
60	9.051	2466	2476	2489	rVB	458424	779256	32.68%	1.847%
61	9.145	2494	2505	2509	rVV5	105992	209156	8.77%	0.496%
62	9.183	2510	2517	2528	rVV2	317098	609751	25.57%	1.445%
63	9.238	2528	2534	2558	rVB4	75901	187911	7.88%	0.445%
64	9.360	2562	2572	2587	rBV5	59092	119433	5.01%	0.283%
65	9.511	2605	2619	2639	rVB4	142788	332720	13.95%	0.789%
66	9.746	2674	2692	2701	rBV6	217068	460151	19.30%	1.091%
67	9.839	2711	2721	2732	rBV6	162090	326278	13.68%	0.773%
68	9.971	2752	2762	2770	rBV	136662	219231	9.19%	0.520%
69	10.167	2815	2823	2835	rVB3	73669	134398	5.64%	0.319%
70	10.257	2840	2851	2869	rBV2	319251	694266	29.12%	1.646%
71	10.392	2883	2893	2916	rBV	246756	446082	18.71%	1.057%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_V\METHOD\SOMVTR102919WMA.M
Title : TRACE VOA SOM01.0

72	10.511	2918	2930	2938	rBV	134972	240883	10.10%	0.571%
73	10.778	3004	3013	3029	rVB3	91729	173922	7.29%	0.412%
74	11.128	3117	3122	3132	rVB2	55816	81579	3.42%	0.193%
75	11.289	3161	3172	3192	rVB	923746	1439734	60.38%	3.413%
76	11.572	3249	3260	3275	rBV2	367432	729206	30.58%	1.729%
77	11.665	3277	3289	3307	rVB	962288	1664474	69.81%	3.945%
78	11.784	3319	3326	3339	rVB3	41351	61497	2.58%	0.146%
79	11.861	3342	3350	3359	rBV	82649	119812	5.02%	0.284%
80	11.952	3370	3378	3395	rVB2	52068	91201	3.82%	0.216%
81	12.058	3400	3411	3418	rBV	286849	445639	18.69%	1.056%
82	12.157	3432	3442	3474	rVB2	341070	731424	30.67%	1.734%
83	12.299	3475	3486	3494	rBV6	31768	60963	2.56%	0.145%
84	12.456	3527	3535	3545	rVB	146406	228313	9.58%	0.541%
85	12.514	3545	3553	3567	rVB10	30736	58855	2.47%	0.140%
86	12.595	3567	3578	3586	rBV3	62605	103673	4.35%	0.246%
87	12.768	3624	3632	3649	rVB	181045	295339	12.39%	0.700%
88	12.926	3663	3681	3691	rBV2	506247	828354	34.74%	1.964%
89	13.090	3724	3732	3742	rBV3	81834	136753	5.74%	0.324%
90	13.209	3760	3769	3775	rBV2	40382	65463	2.75%	0.155%
91	13.257	3776	3784	3792	rVB	89792	137649	5.77%	0.326%
92	13.312	3792	3801	3808	rBV3	90860	135389	5.68%	0.321%
93	13.411	3826	3832	3839	rVB	88494	109474	4.59%	0.259%
94	13.546	3857	3874	3883	rBV	187566	327679	13.74%	0.777%
95	13.755	3931	3939	3950	rBV5	31307	69478	2.91%	0.165%
96	13.951	3992	4000	4014	rVB	36405	66815	2.80%	0.158%
97	14.135	4047	4057	4075	rBV4	53670	128870	5.40%	0.305%
98	14.341	4111	4121	4132	rVB4	29710	59448	2.49%	0.141%
99	14.479	4154	4164	4178	rBV10	25998	60528	2.54%	0.143%
100	14.678	4214	4226	4236	rBV2	47472	86925	3.65%	0.206%

Sum of corrected areas: 42186826

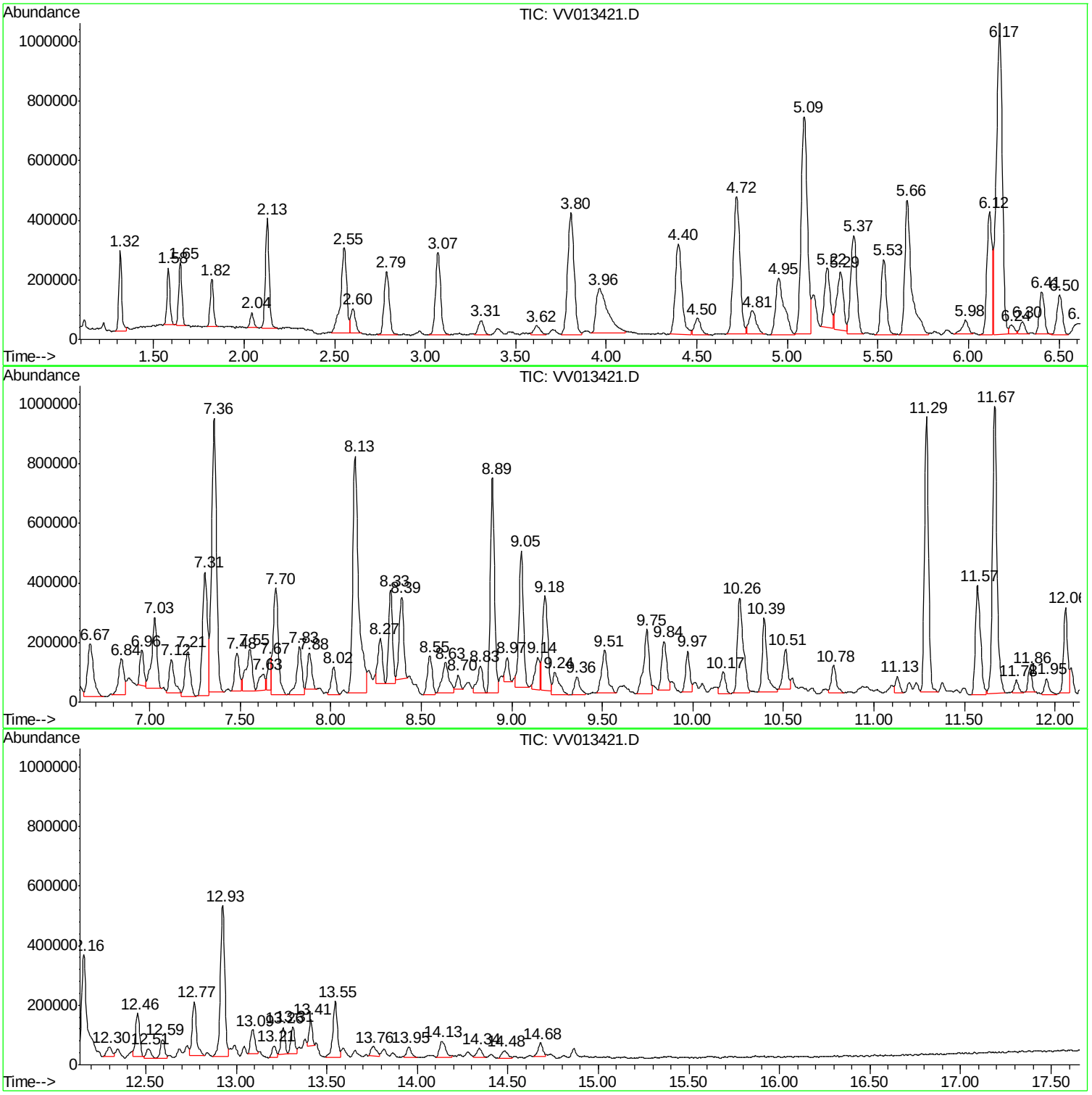
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

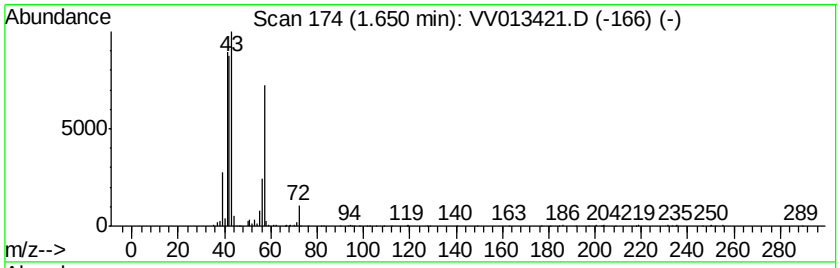
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

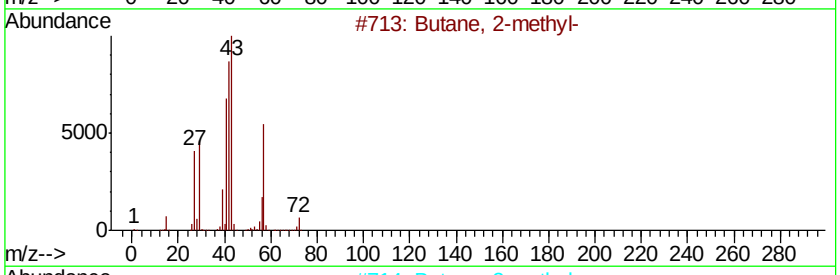
****

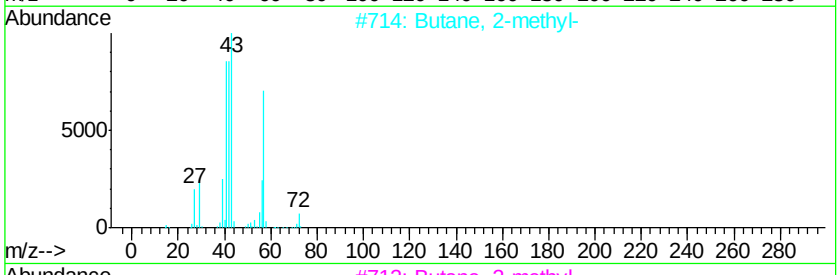
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 31

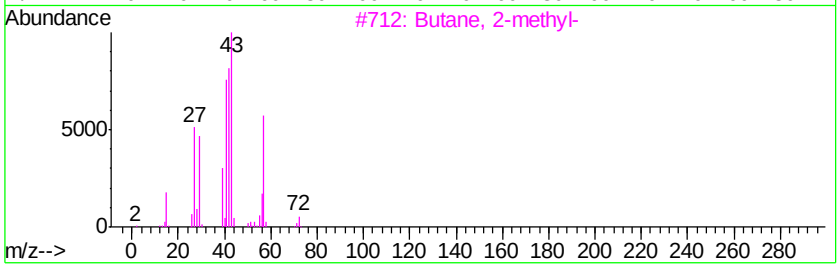
R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	1.07 ug/L	249047	1,4-Difluorobenzene	5.66

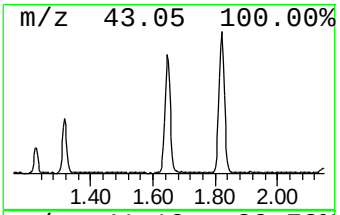
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Isobutylene epoxide	72	C4H8O	000558-30-5	42

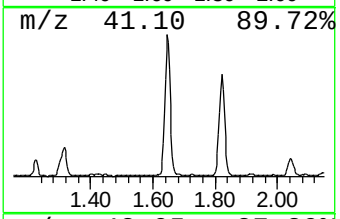


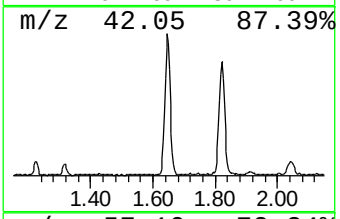


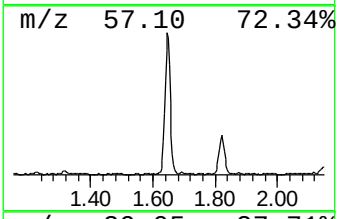


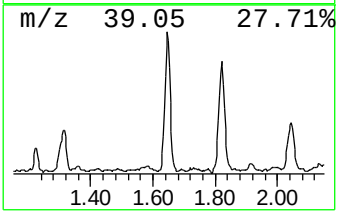












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

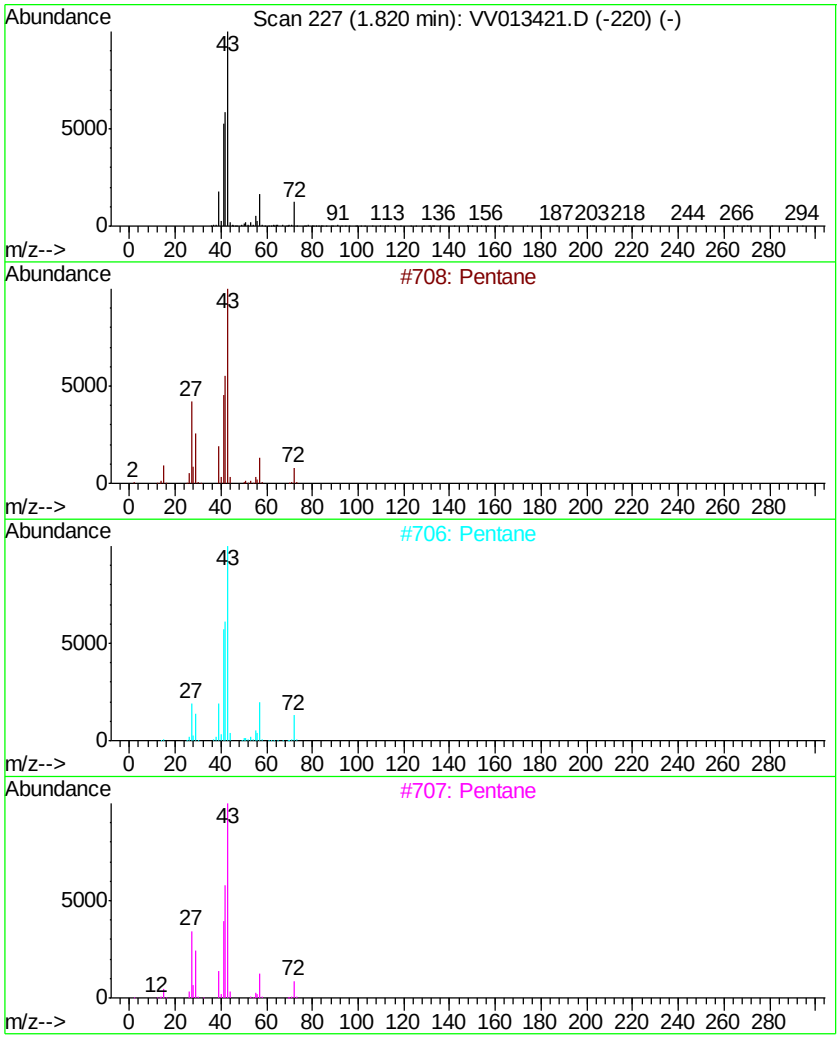
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

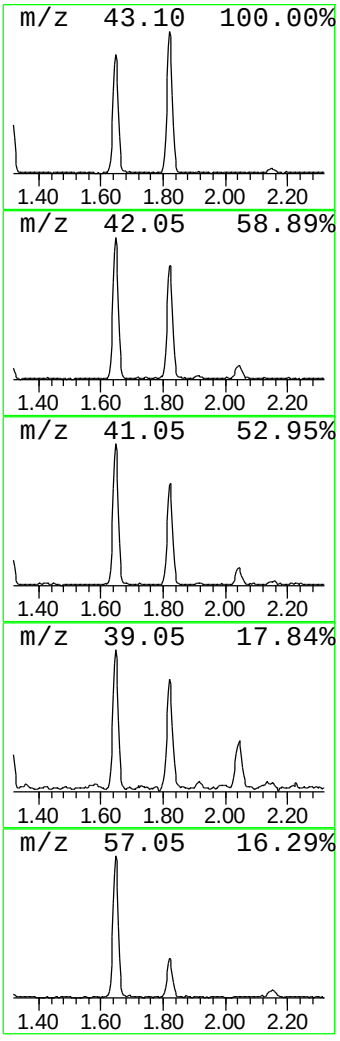
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	0.84 ug/L	196930	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	72
5	2-Butanone	72	C4H8O	000078-93-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

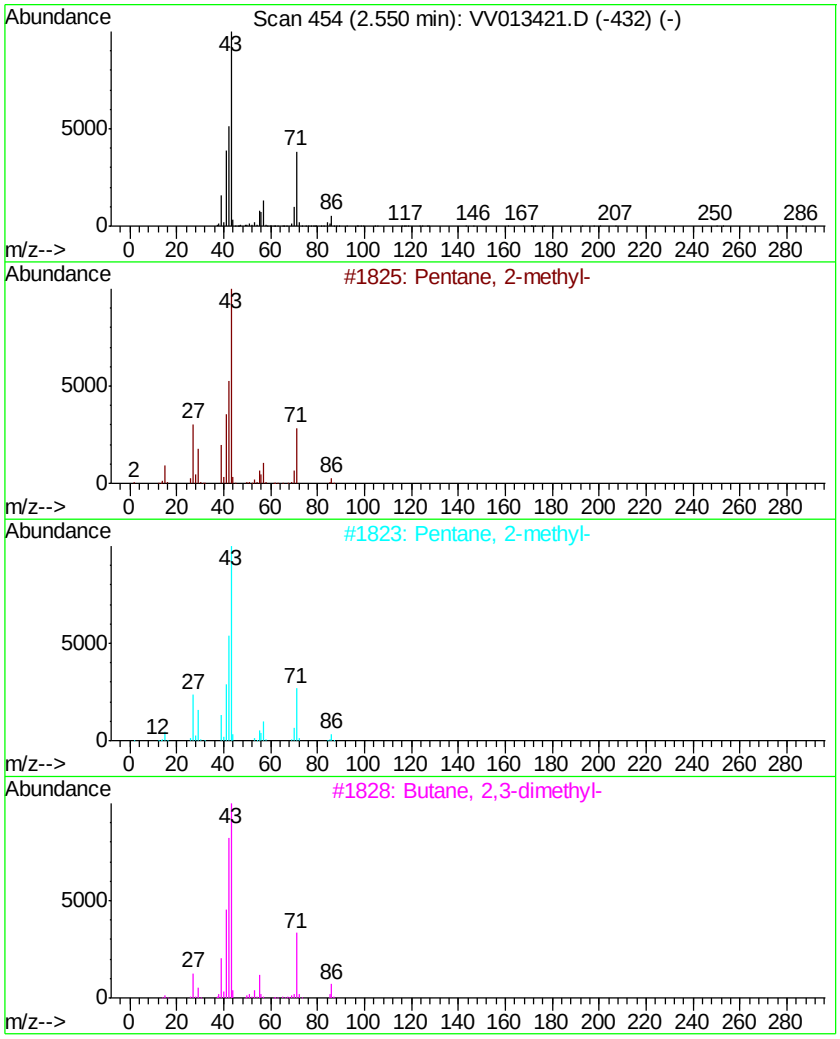
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

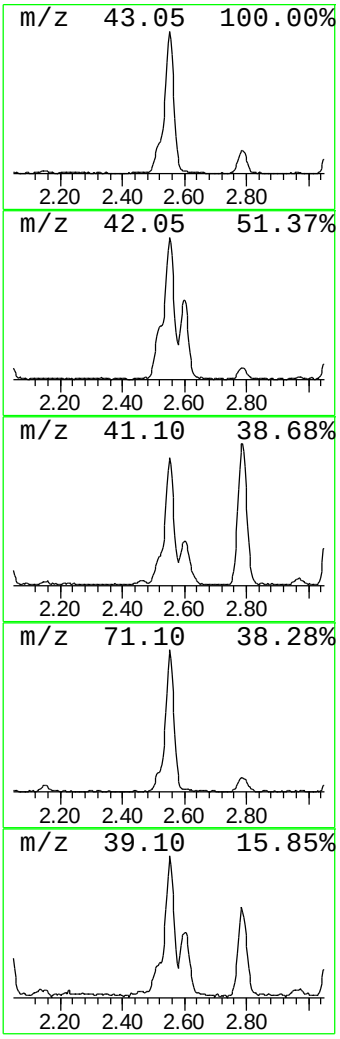
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	2.76 ug/L	645191	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	59
4	2-Quinoxalinecarbonitrile, 3-ami...	286	C14H15FN6	1000350-07-3	39
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

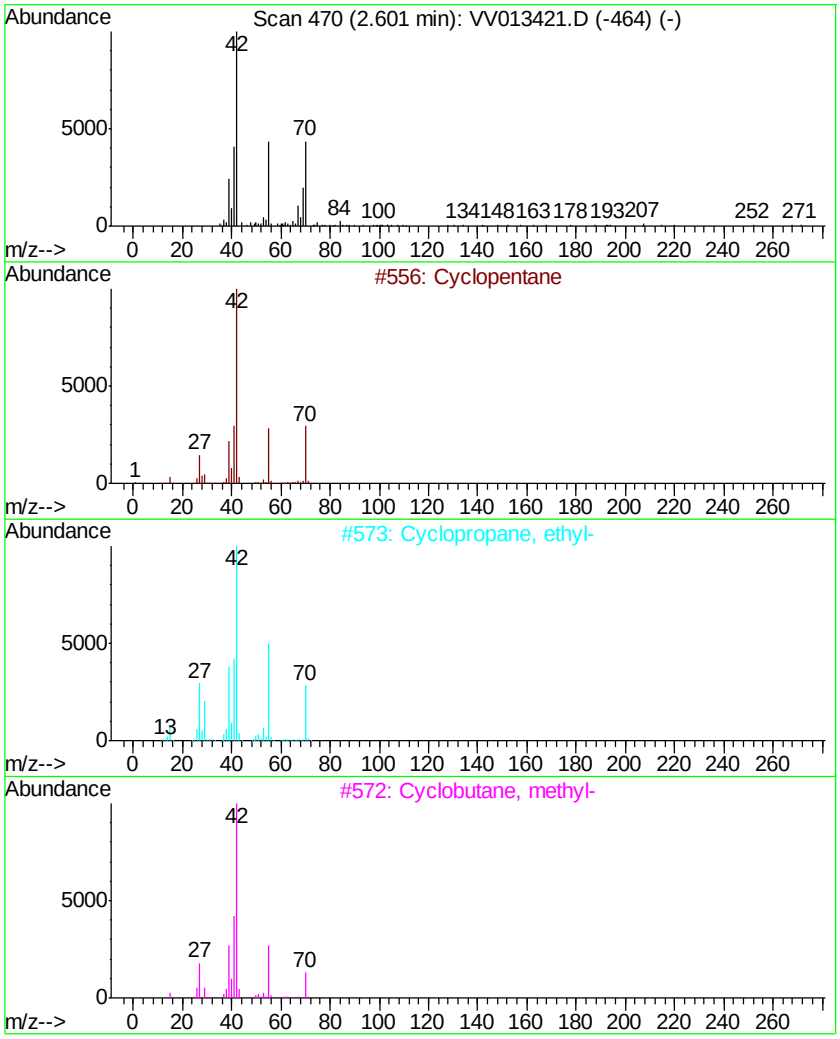
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

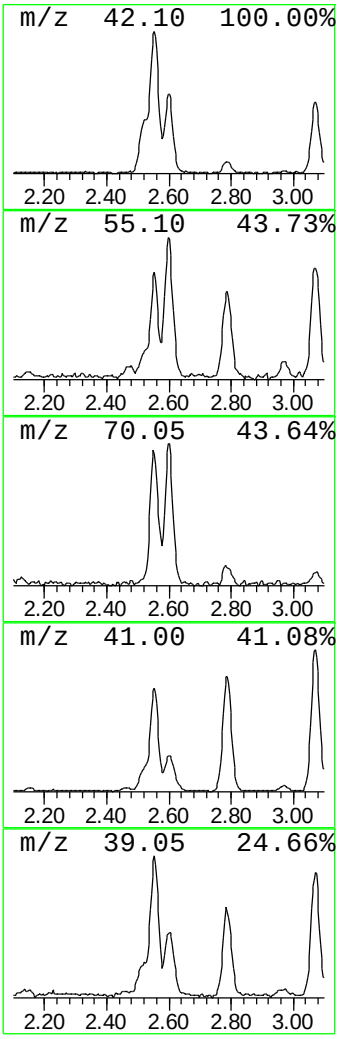
****

Peak Number 4 (DEL) Alkane: Cyclic2.60 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	0.64 ug/L	149504	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	72
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	50
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	45
4	Methanamine, N-pentylidene-	99	C6H13N	010599-75-4	40
5	1-Pentene	70	C5H10	000109-67-1	39





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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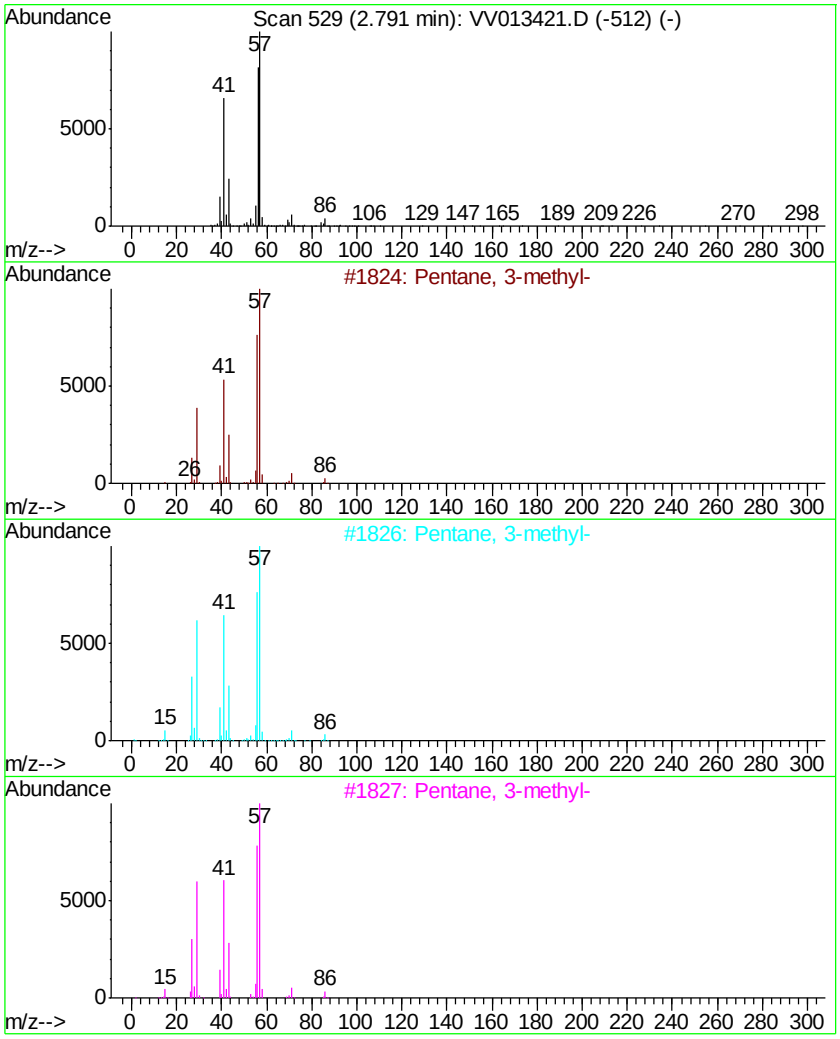
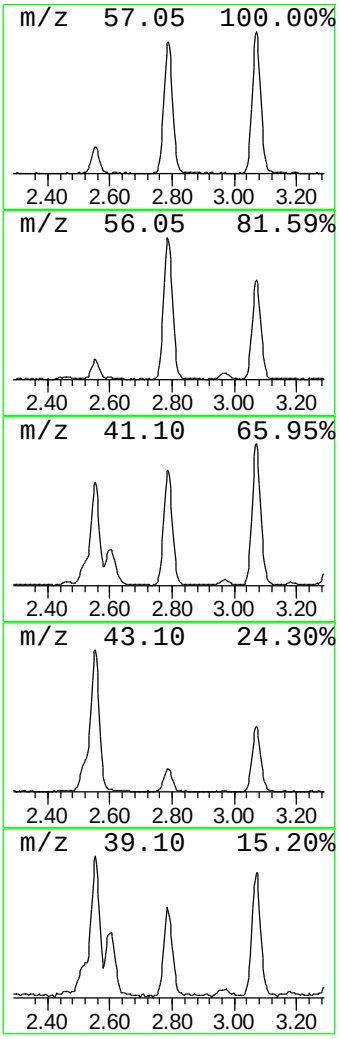
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	1.80 ug/L	419871	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	80
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56





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Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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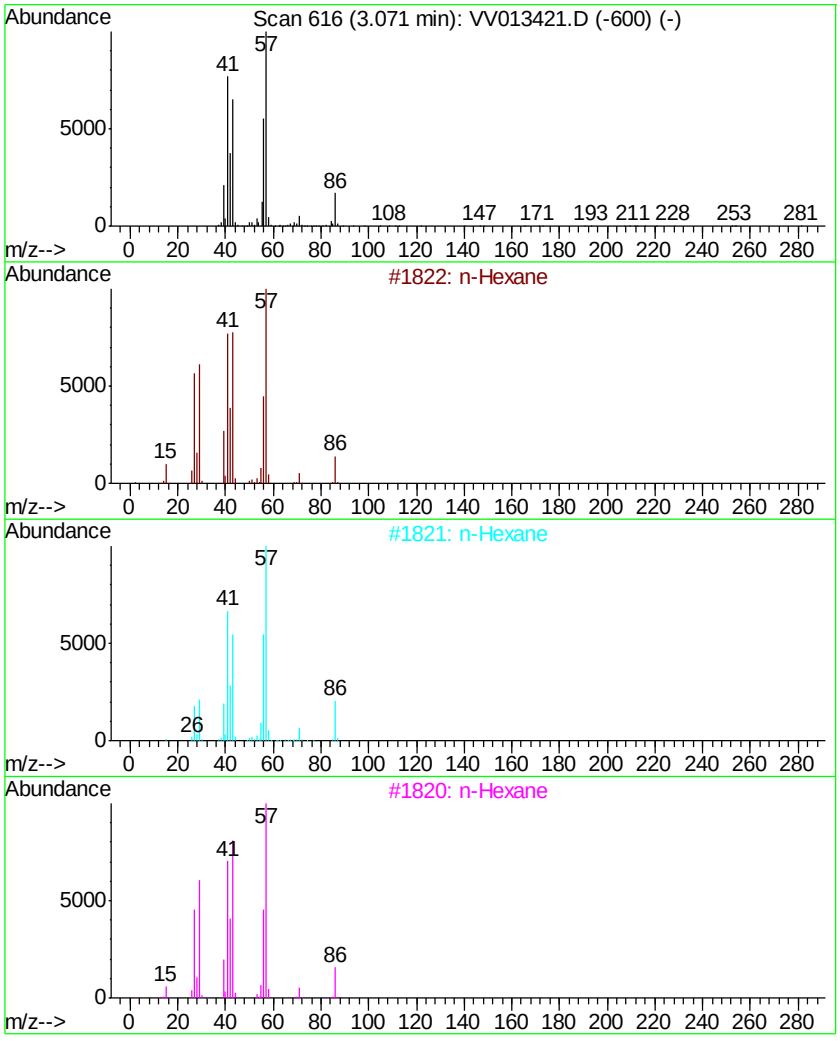
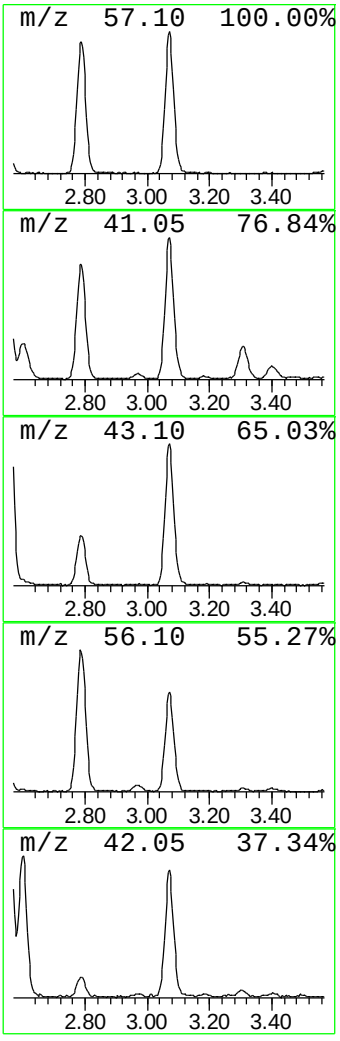
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	2.31 ug/L	539646	1,4-Difluorobenzene	5.66

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	64
4	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	53
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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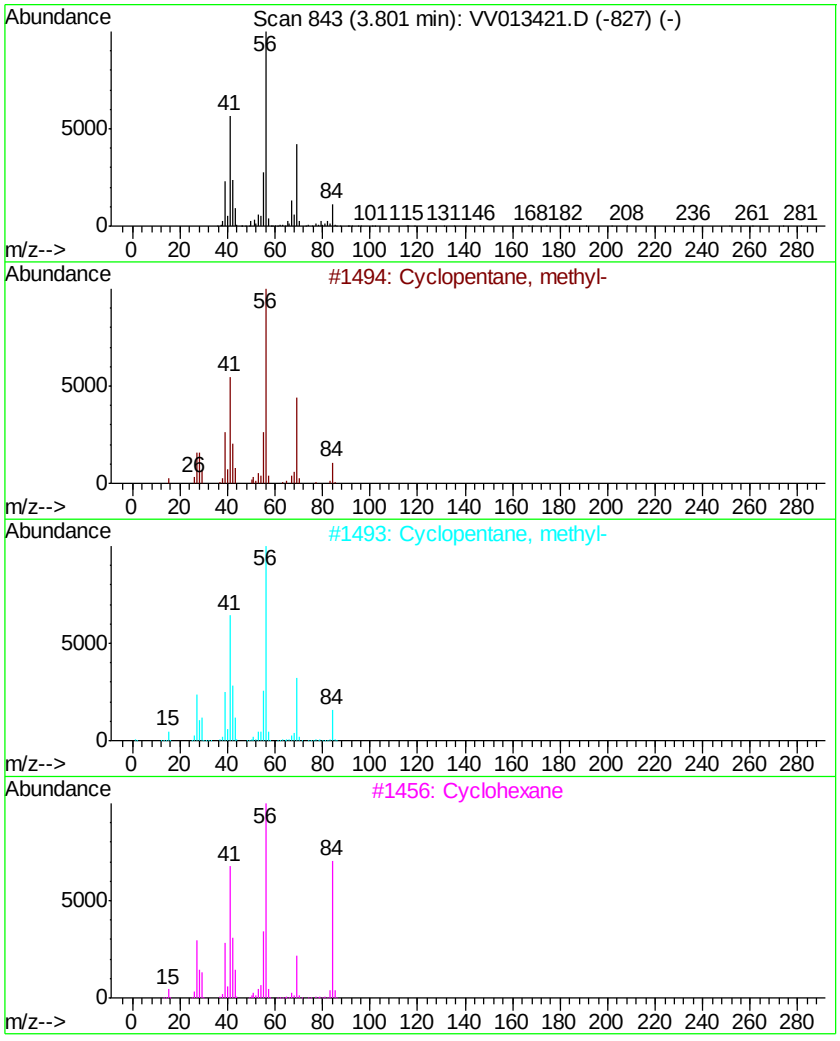
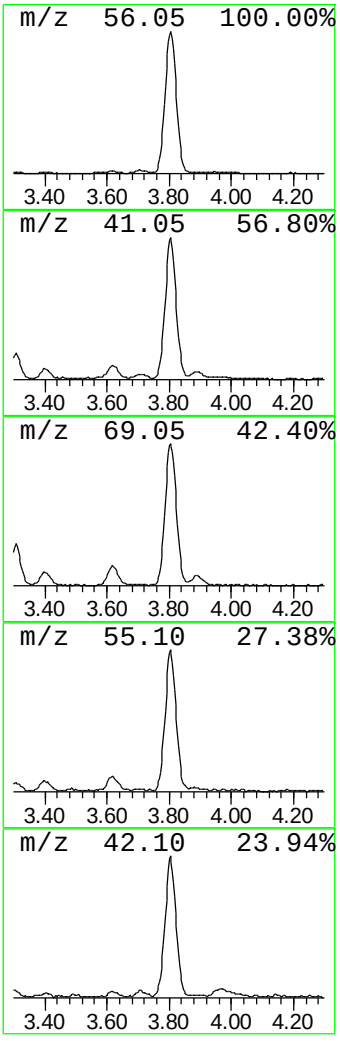
Peak Number 7 (DEL) Alkane: Cyclic3.80 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	4.31 ug/L	1008230	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Cyclohexane	84	C6H12	000110-82-7	86
4	Cyclohexane	84	C6H12	000110-82-7	83
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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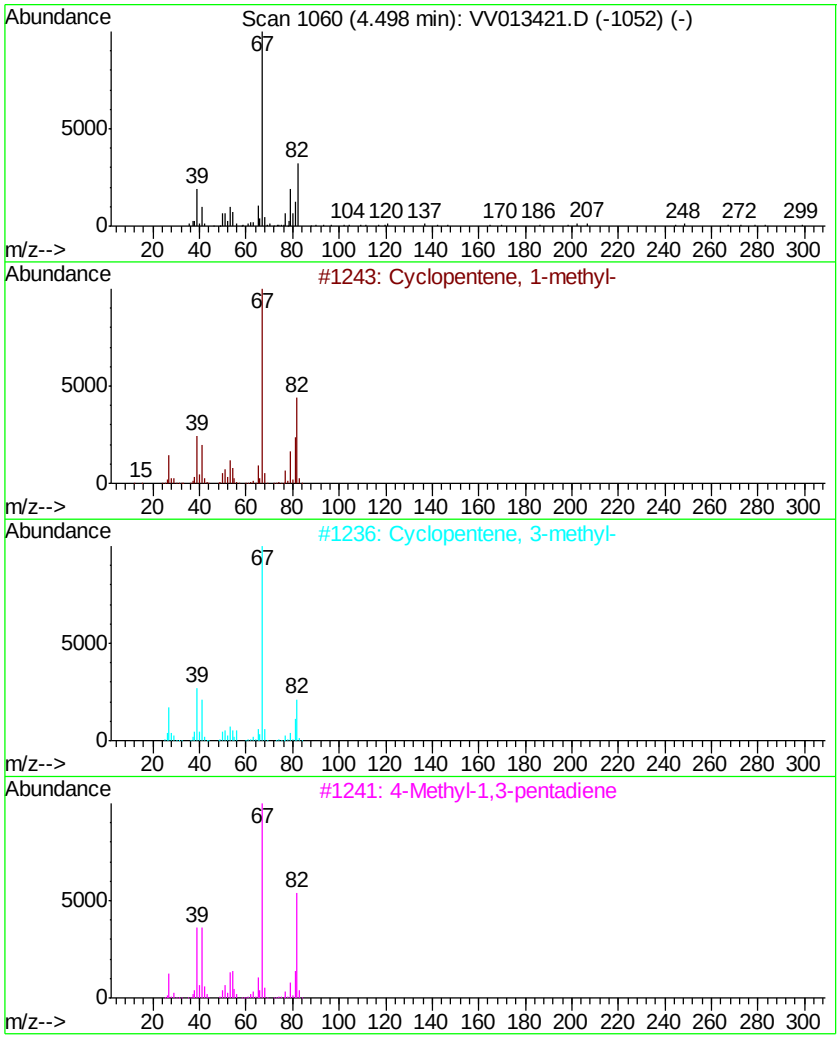
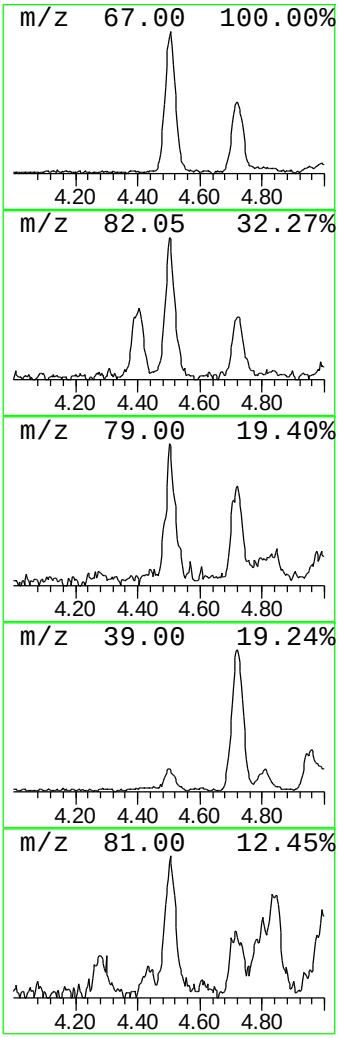
Peak Number 8 Cyclopentene, 1-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.50	0.55 ug/L	128227	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	81
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	80
3	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	74
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	74
5	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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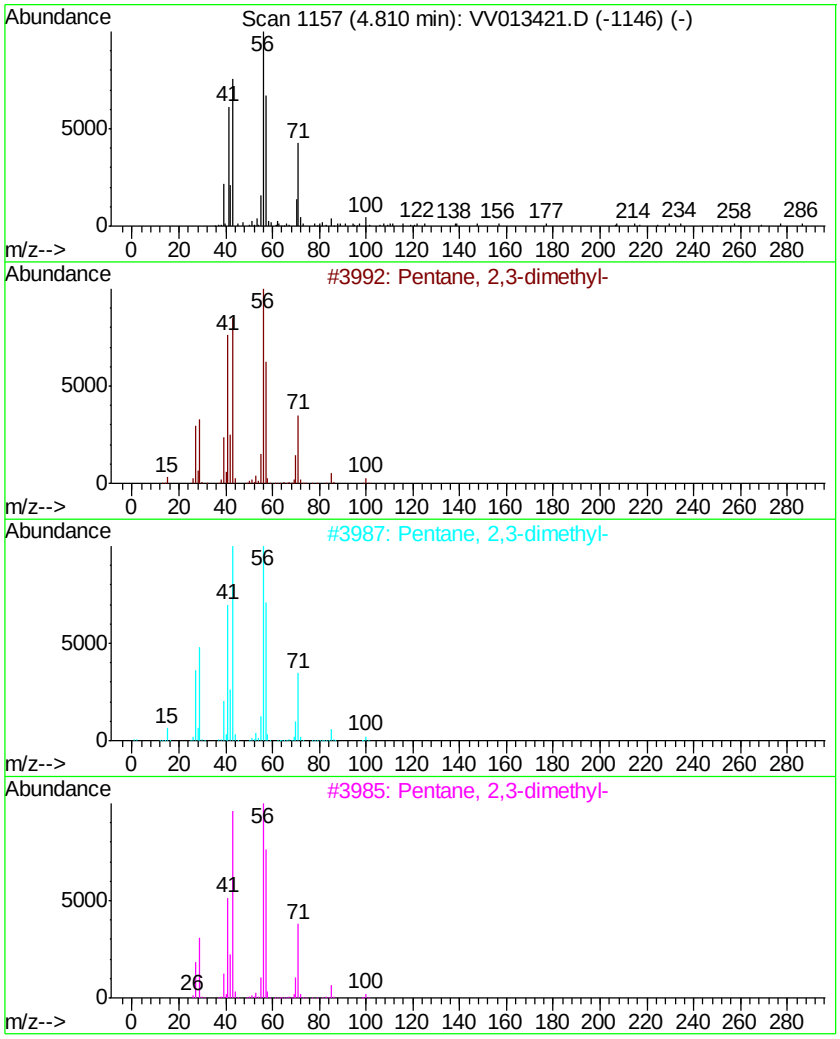
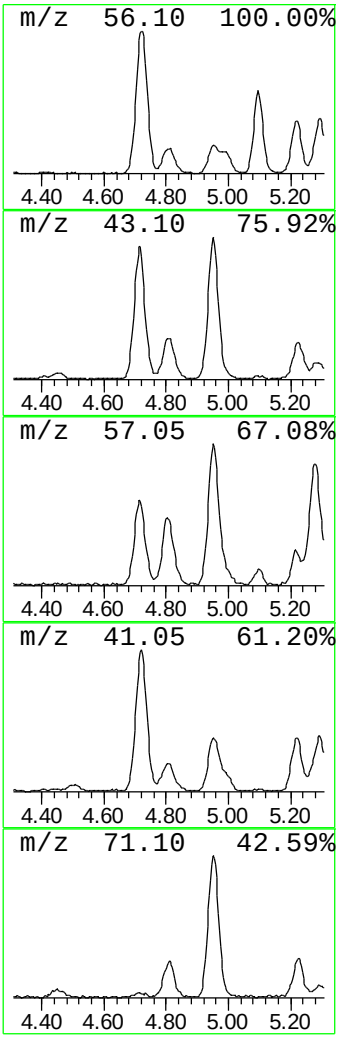
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	0.93 ug/L	217241	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	80
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	56
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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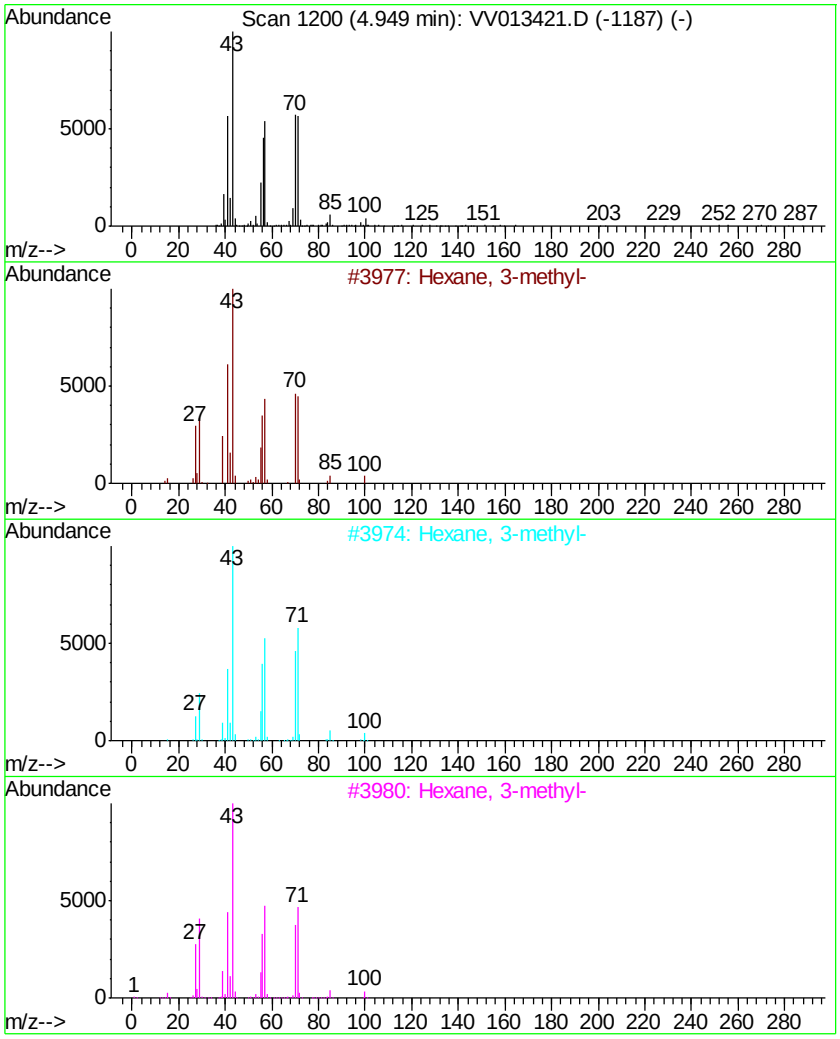
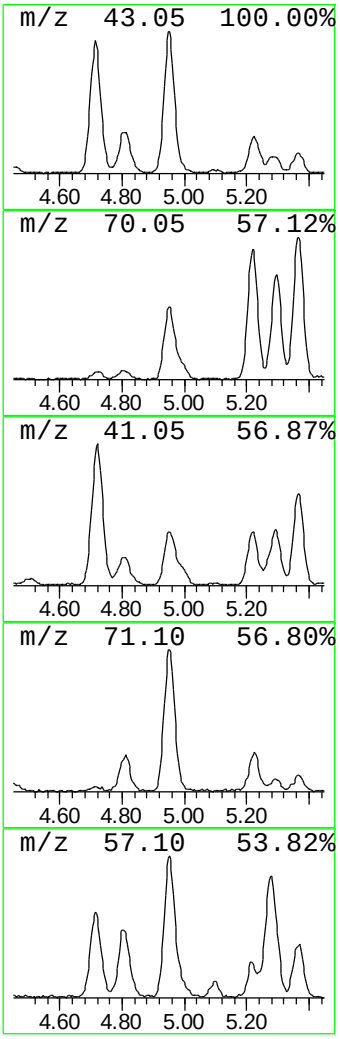
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	2.66 ug/L	622693	1,4-Difluorobenzene	5.66

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	81
4	Heptane	100	C7H16	000142-82-5	72
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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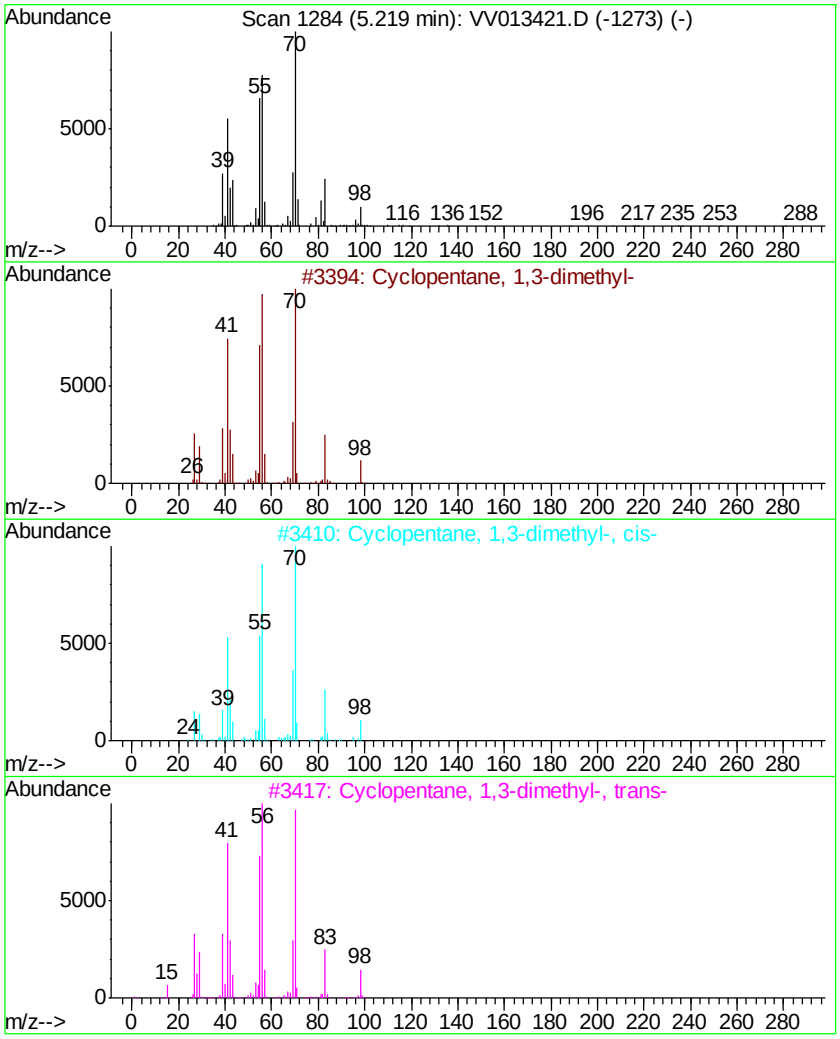
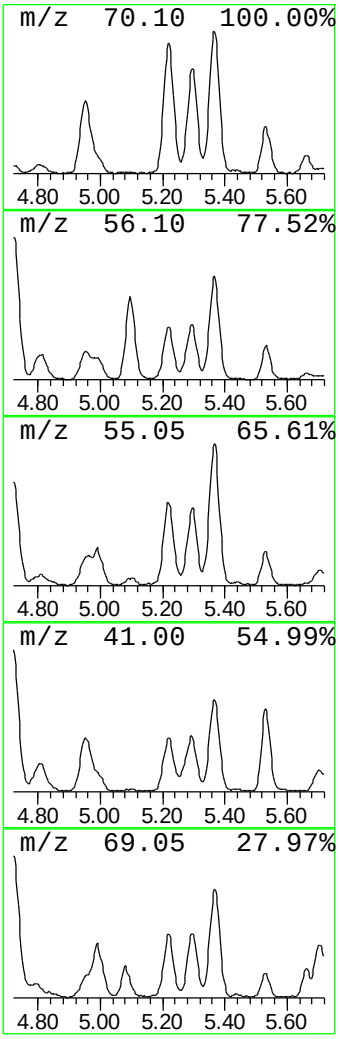
Peak Number 11 (DEL) Alkane: Cyclic5.22 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	1.89 ug/L	441581	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	93
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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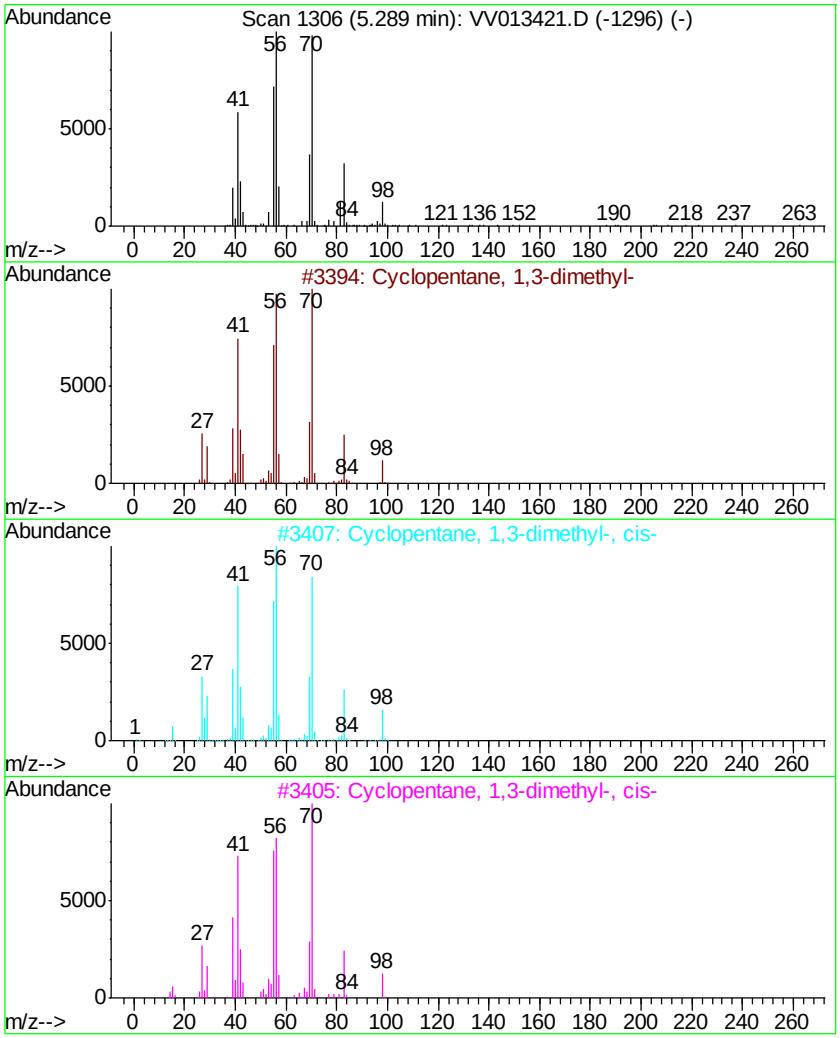
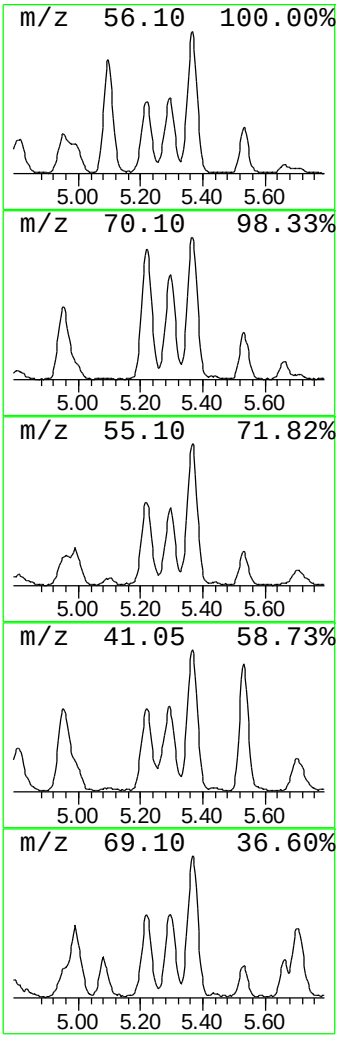
Peak Number 12 (DEL) Alkane: Cyclic5.29 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	2.04 ug/L	476093	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90





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Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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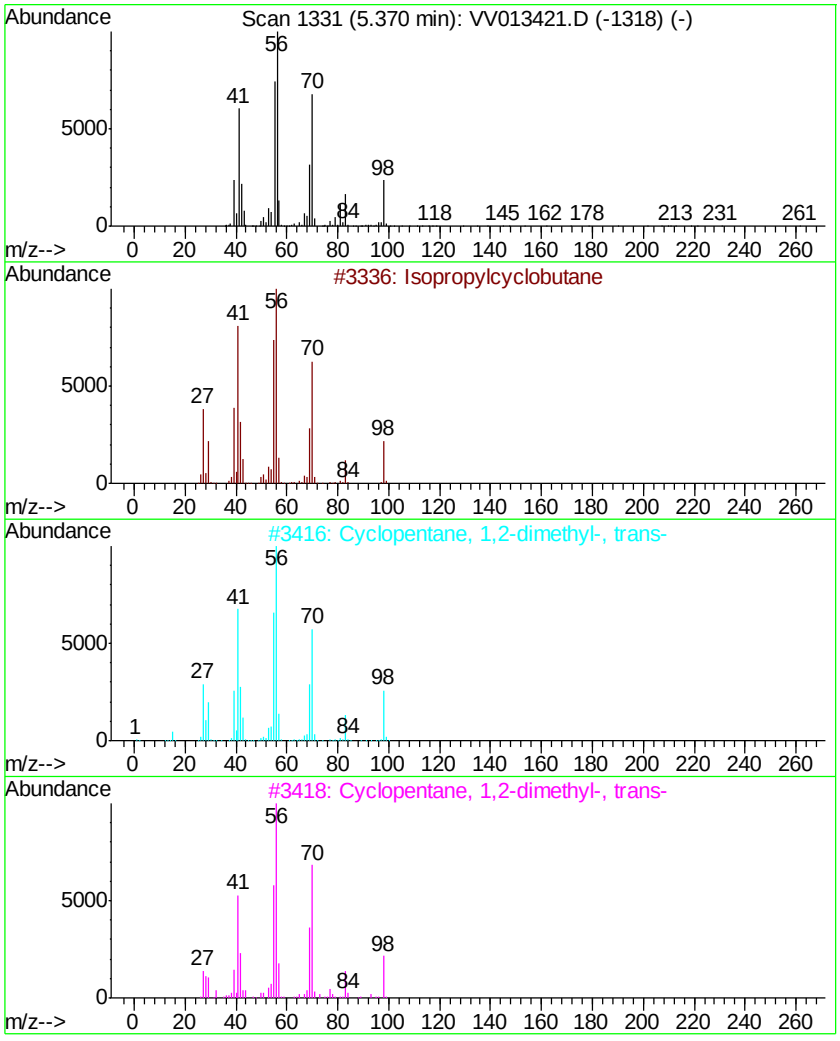
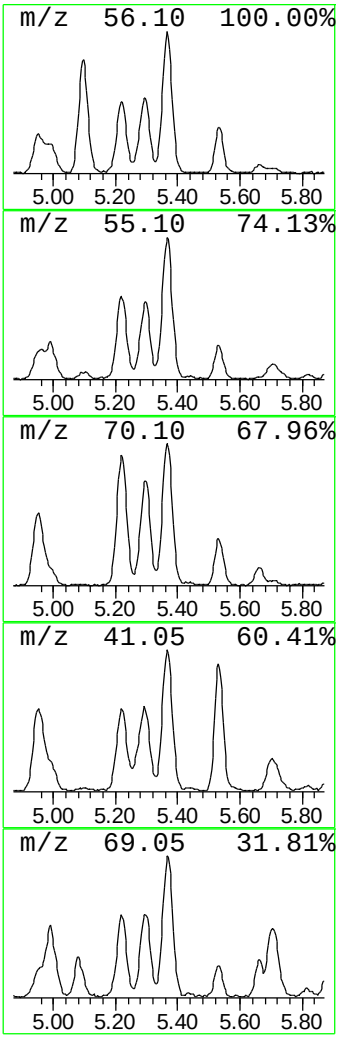
Peak Number 13 (DEL) Alkane: Cyclic5.37 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	3.21 ug/L	749354	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	93
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	80
5	1-Heptene	98	C7H14	000592-76-7	72





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Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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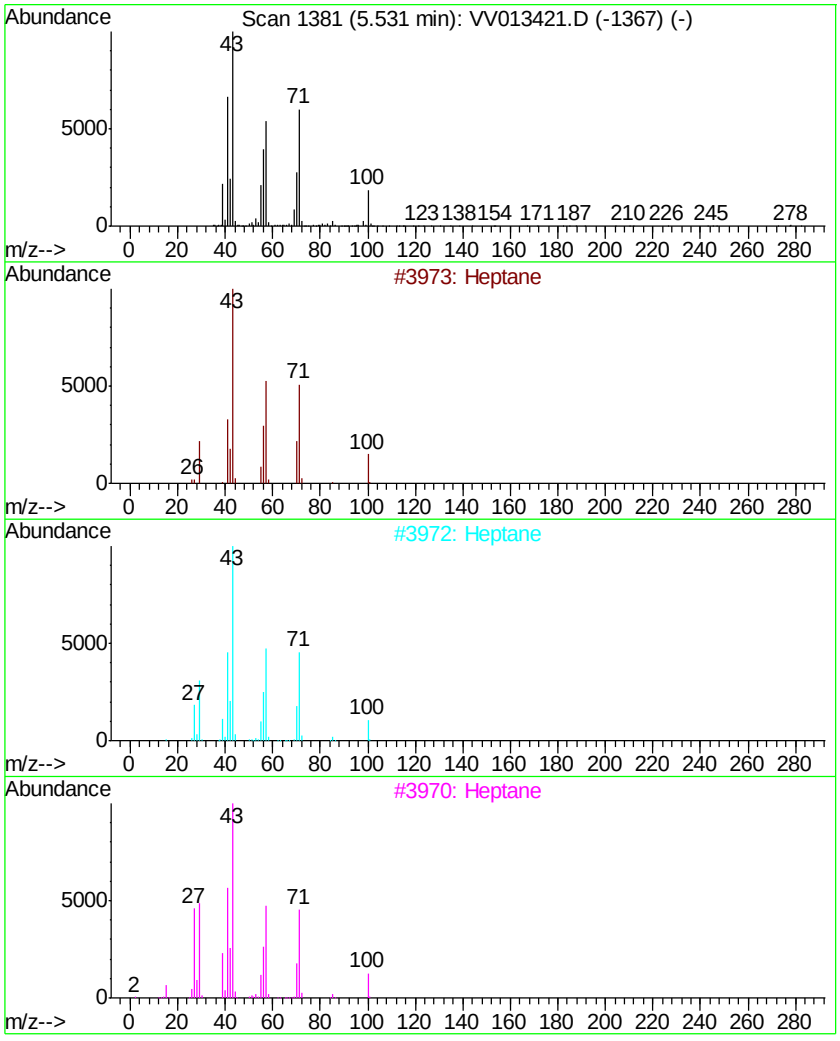
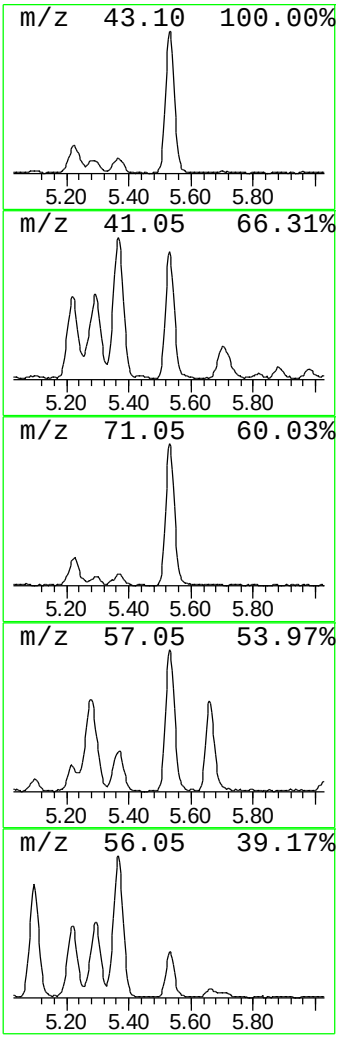
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	2.22 ug/L	518361	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Heptane	100	C7H16	000142-82-5	64
3	Heptane	100	C7H16	000142-82-5	58
4	Heptane	100	C7H16	000142-82-5	58
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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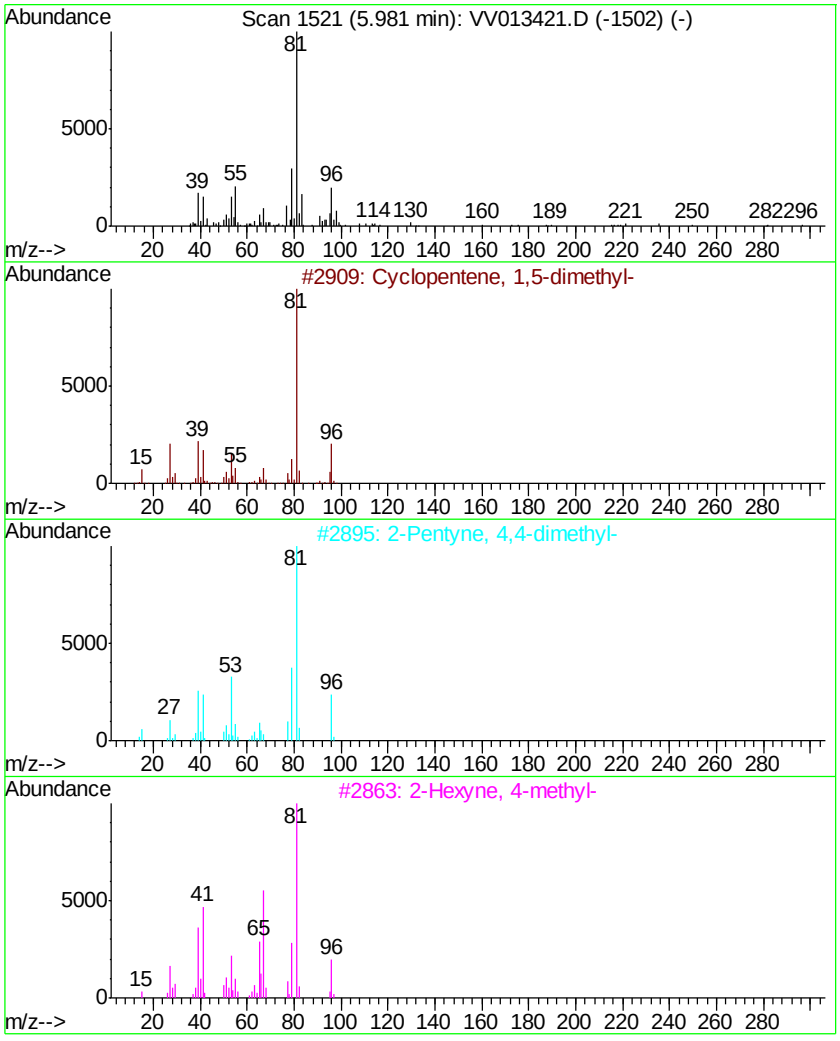
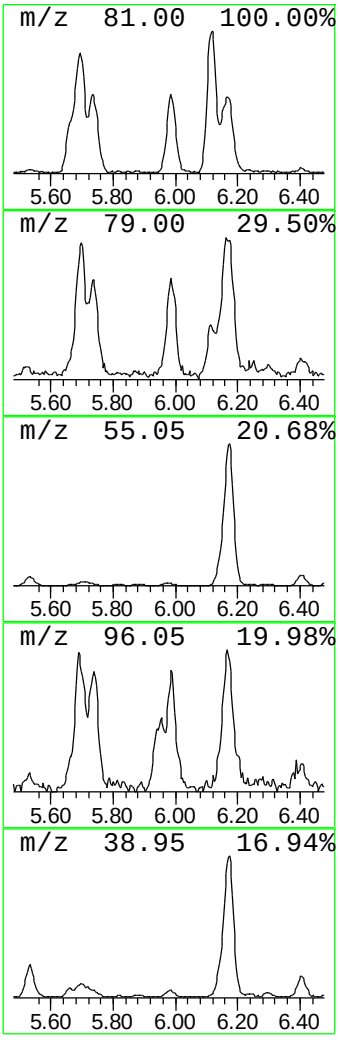
Peak Number 15 Cyclopentene, 1,5-dimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	0.51 ug/L	118040	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	76
2	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	68
3	2-Hexyne, 4-methyl-	96	C7H12	020198-49-6	64
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	59
5	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

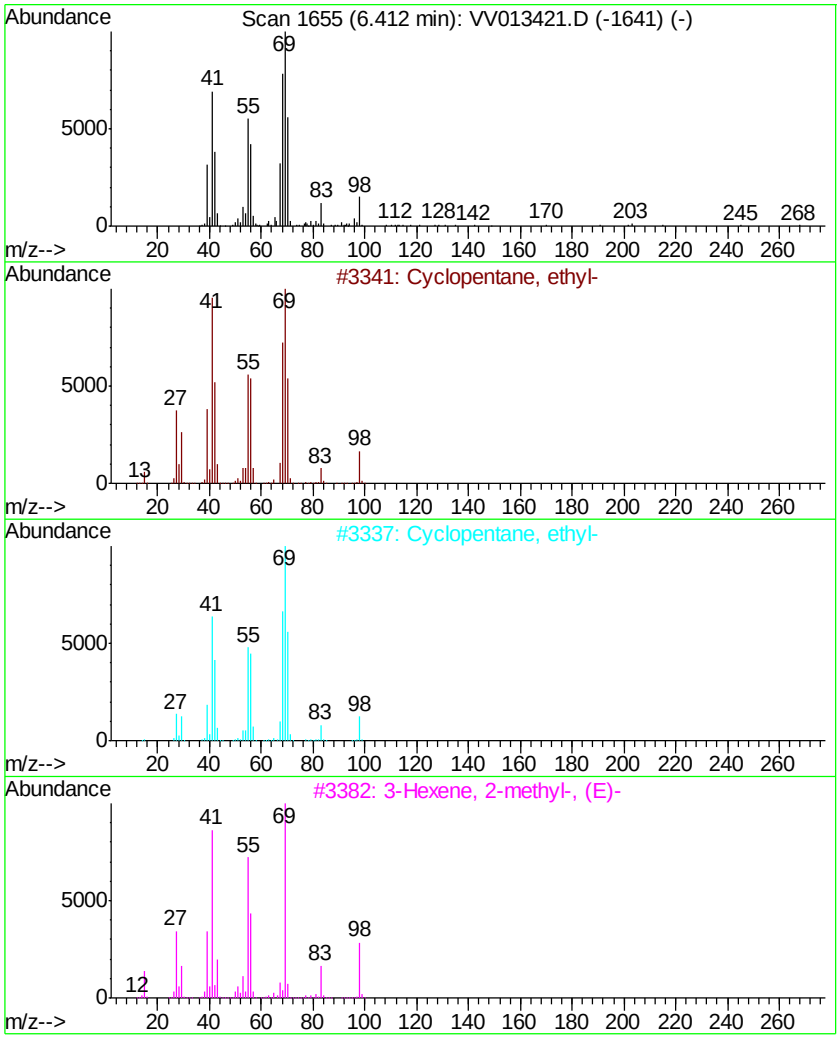
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

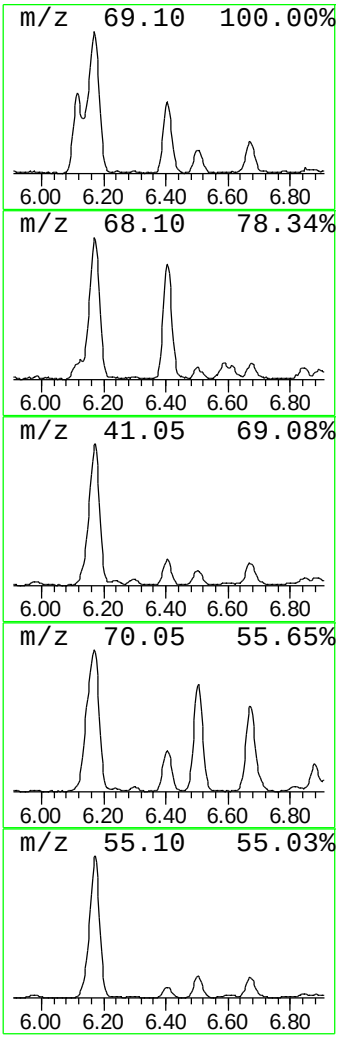
****

Peak Number 16 (DEL) Alkane: Cyclic6.41 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	1.18 ug/L	274724	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
3	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	43
4	3-Methyl-3-hexene	98	C7H14	003404-65-7	38
5	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

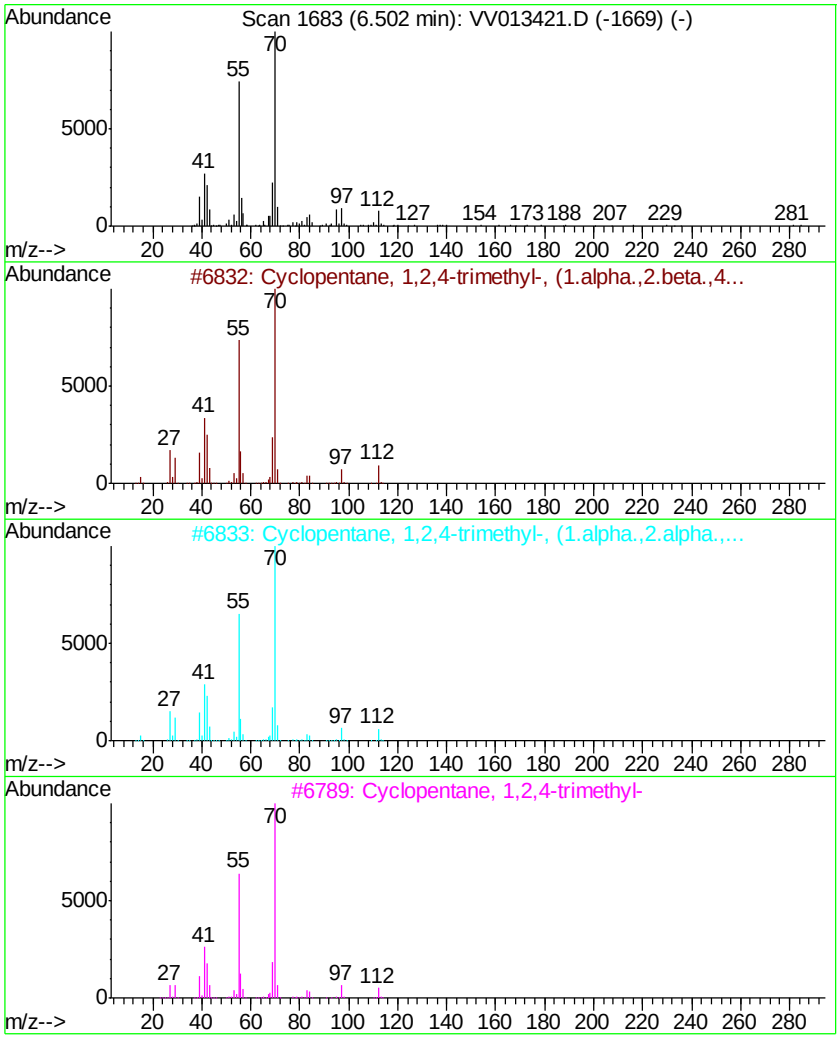
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

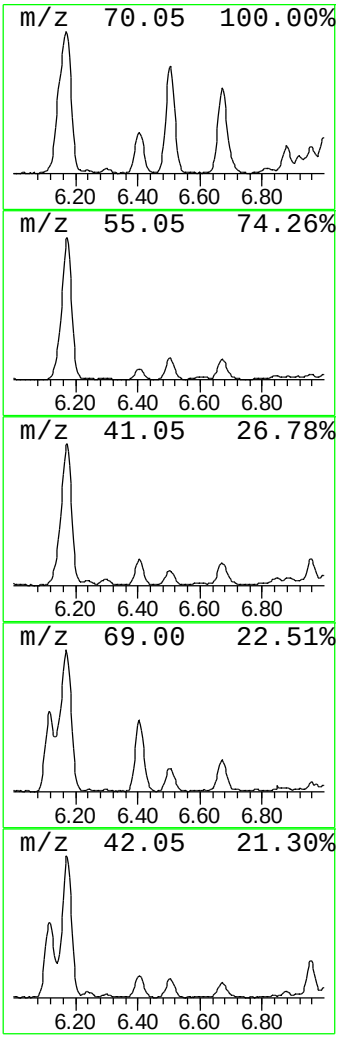
****

Peak Number 17 (DEL) Alkane: Cyclic6.50 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	1.16 ug/L	271686	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
3	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

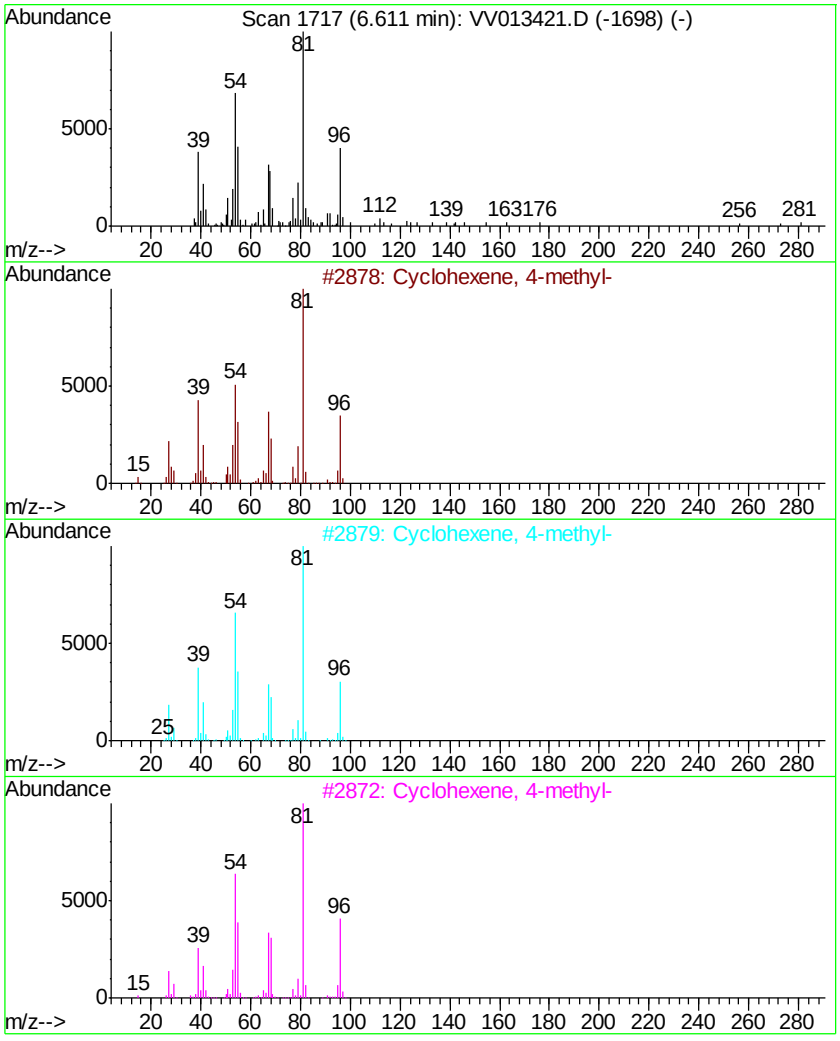
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

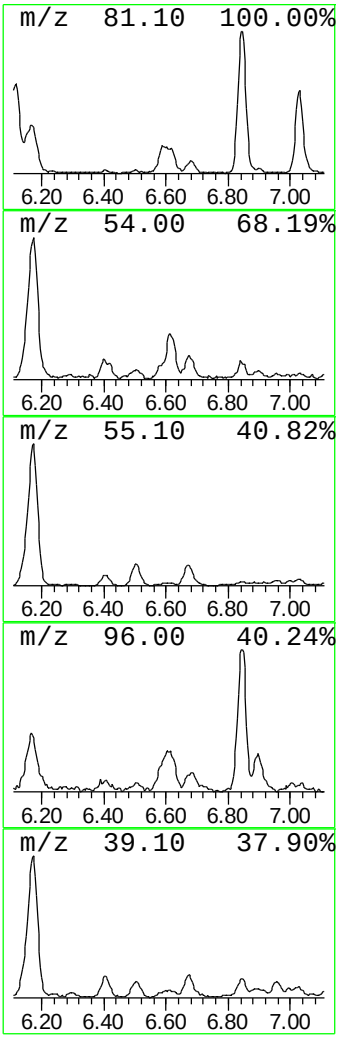
****

Peak Number 18 Cyclohexene, 4-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	0.53 ug/L	122700	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	94
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	74
4	Acetic acid, 1,4-dimethylpent-4-...	156	C9H16O2	1000186-38-5	72
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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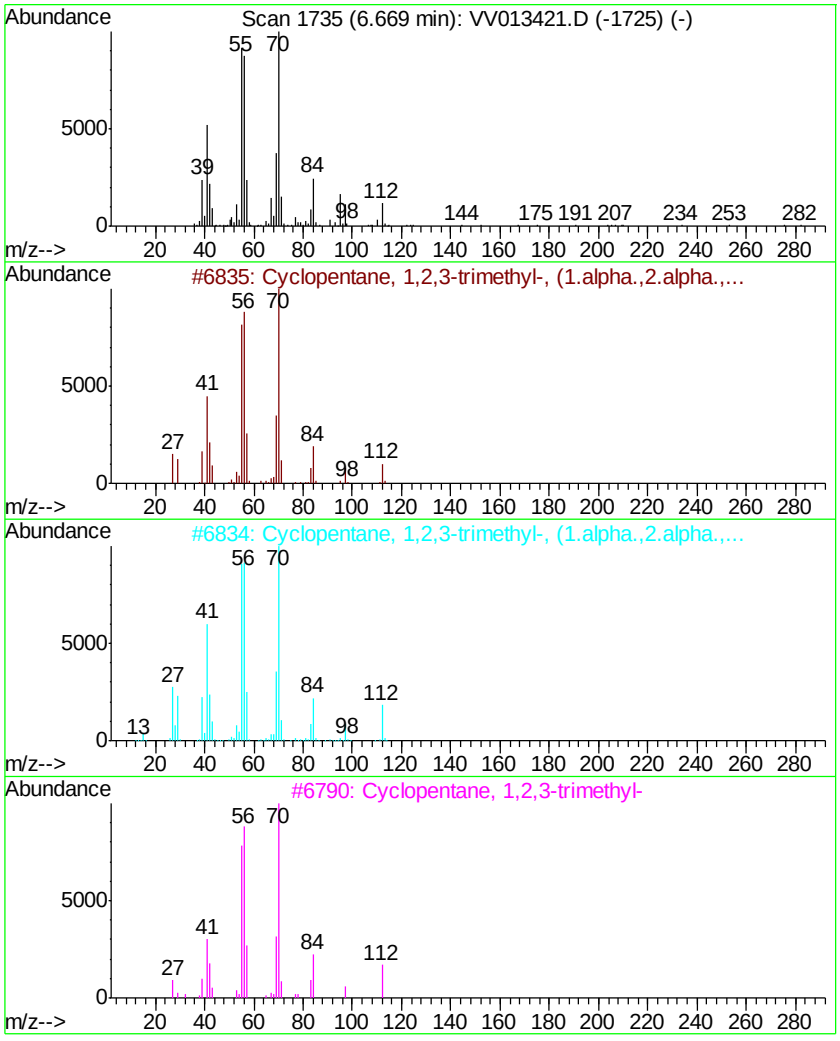
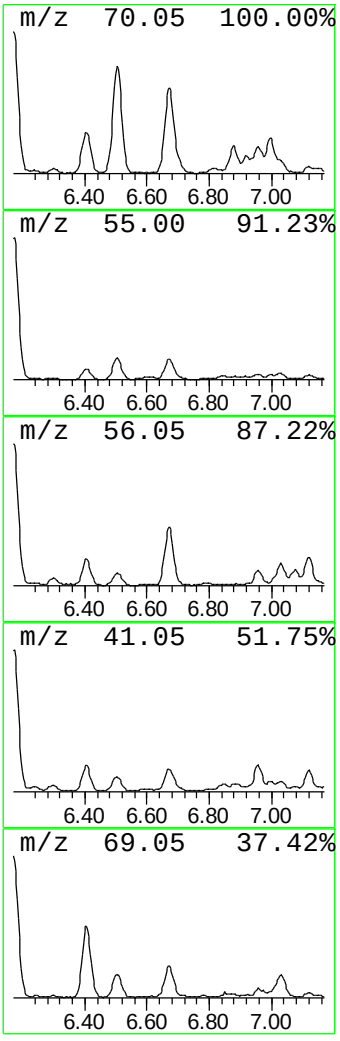
Peak Number 19 (DEL) Alkane: Cyclic6.67 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	1.77 ug/L	412840	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	97
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	90
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	72
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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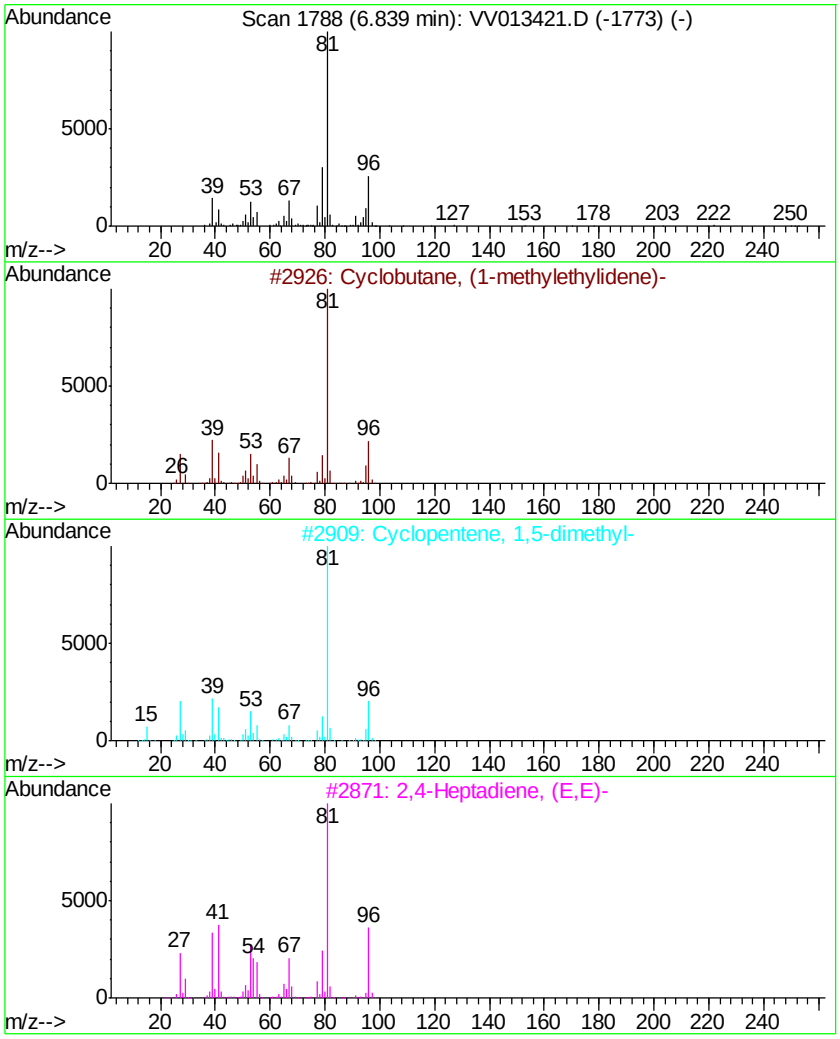
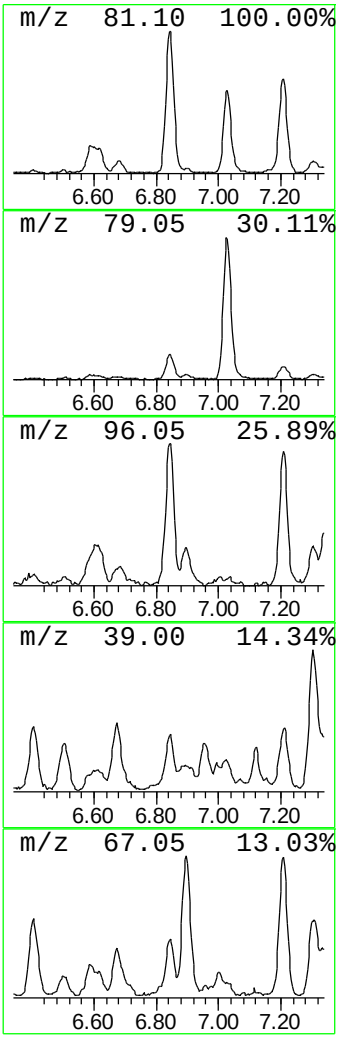
Peak Number 20 Cyclobutane, (1-methylethyl... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	1.04 ug/L	242181	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
3	2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	80
4	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72
5	2,4-Hexadienal, (E,E)-	96	C6H8O	000142-83-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

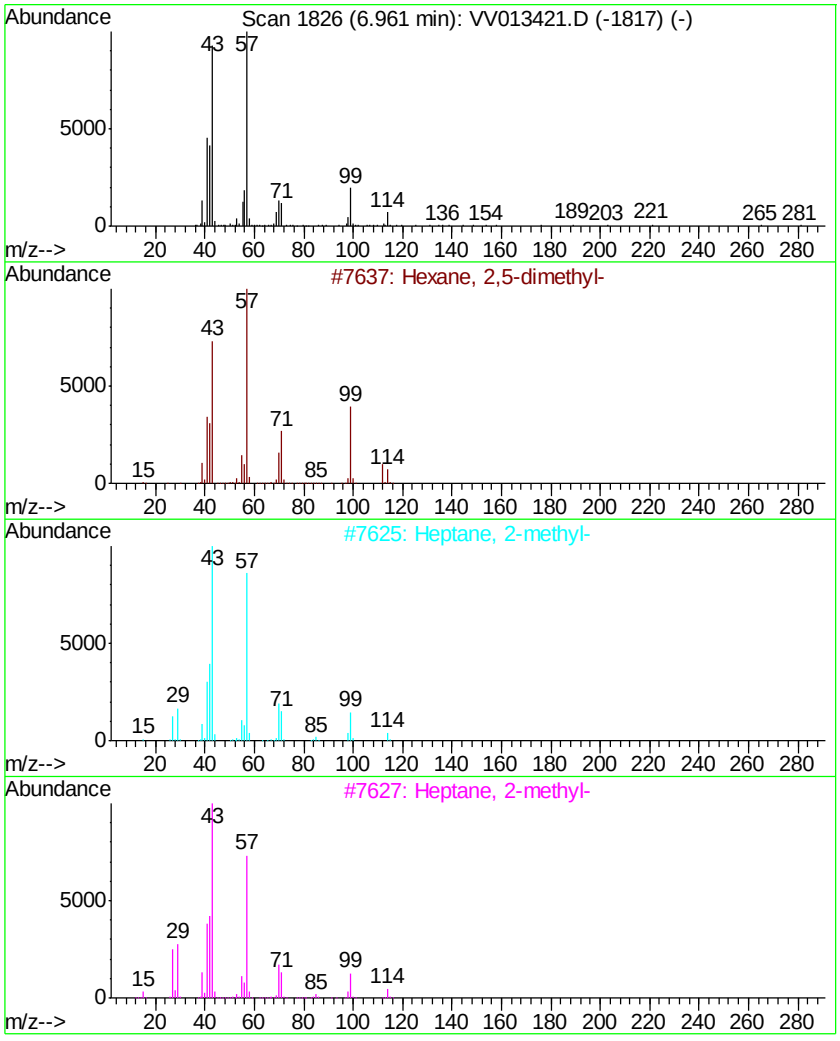
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

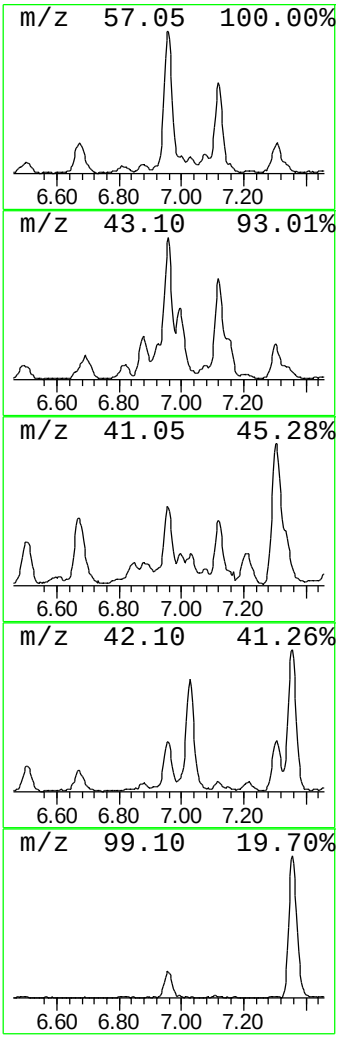
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	0.77 ug/L	179353	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	78
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	72
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	72
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
5	Heptane, 2-methyl-	114	C8H18	000592-27-8	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

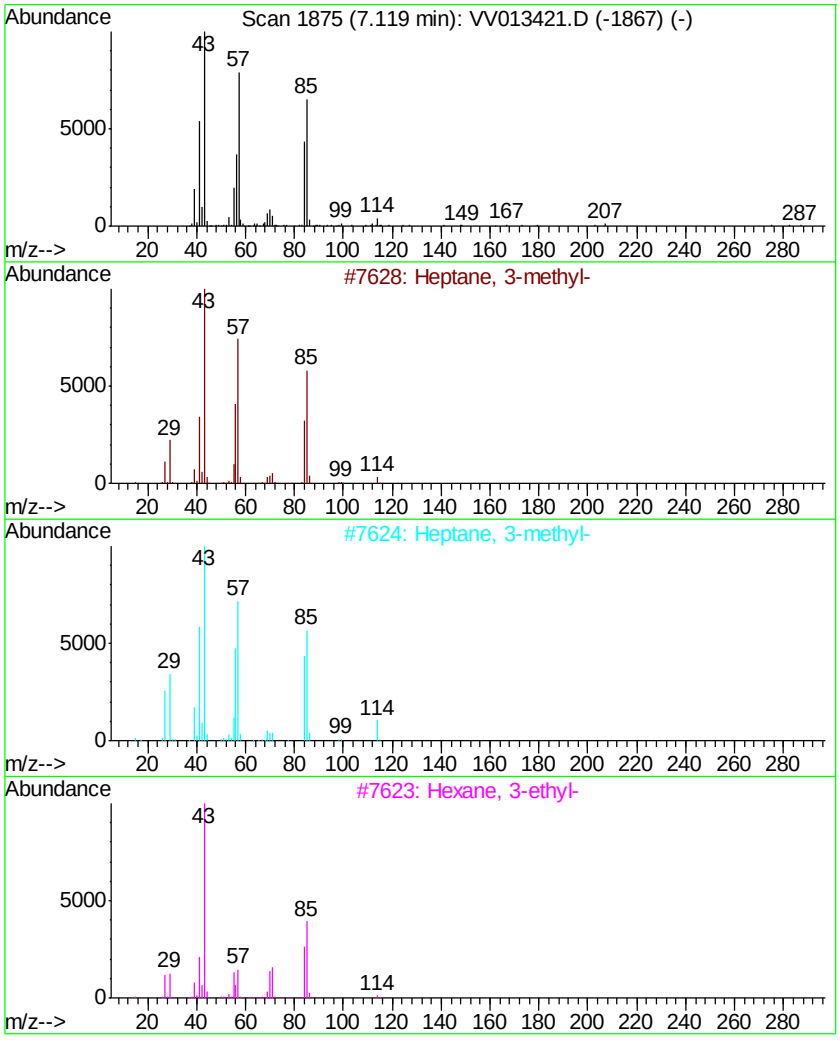
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

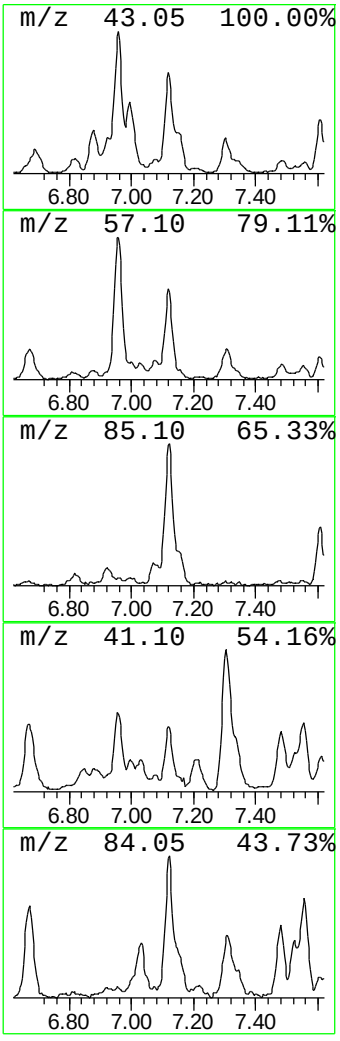
****

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	0.89 ug/L	208860	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	78
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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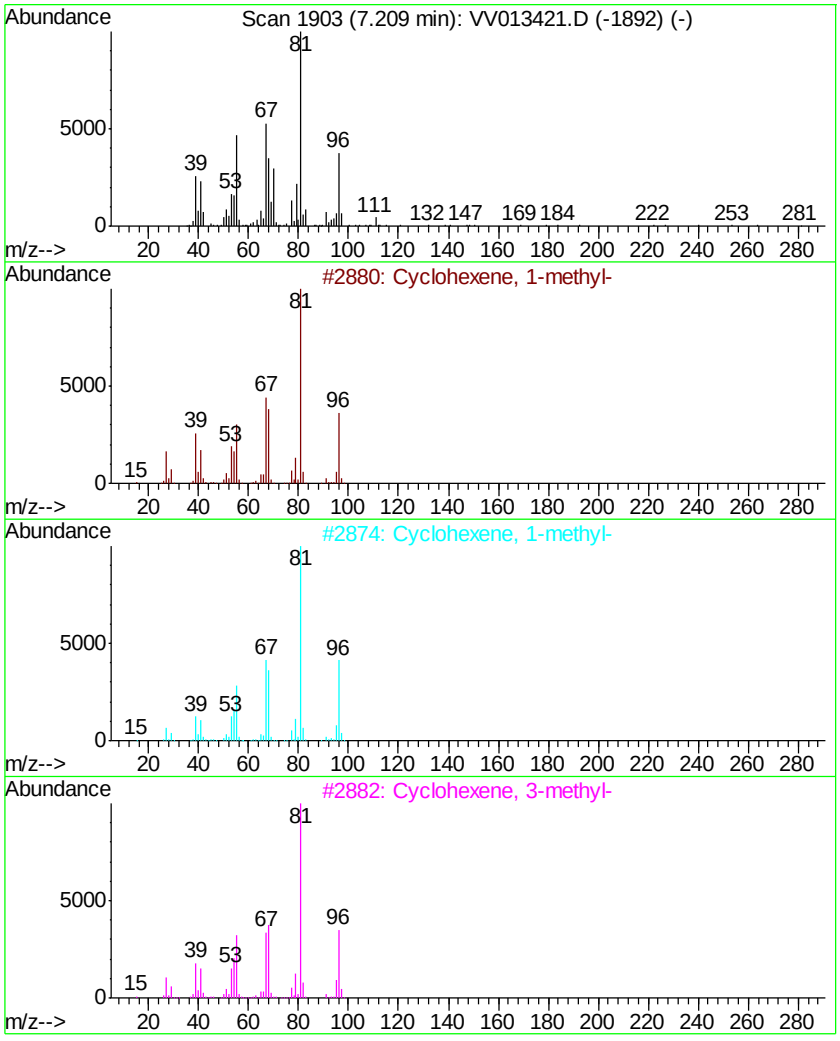
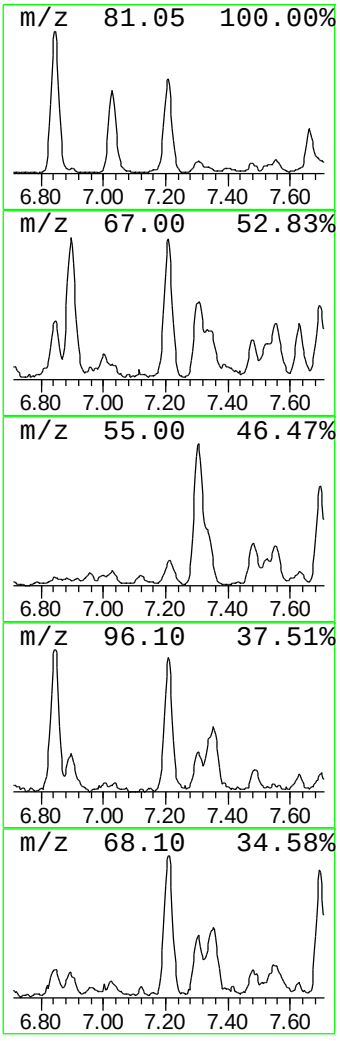
Peak Number 24 Cyclohexene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	1.32 ug/L	309459	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	70
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	68
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

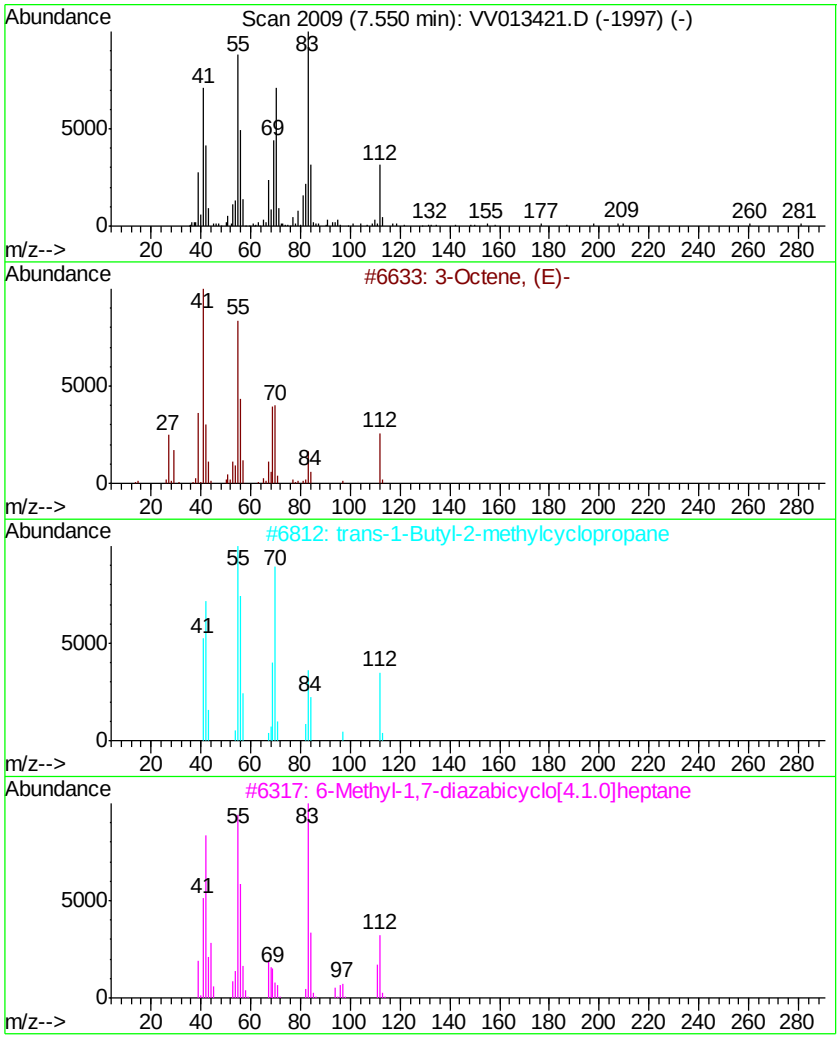
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

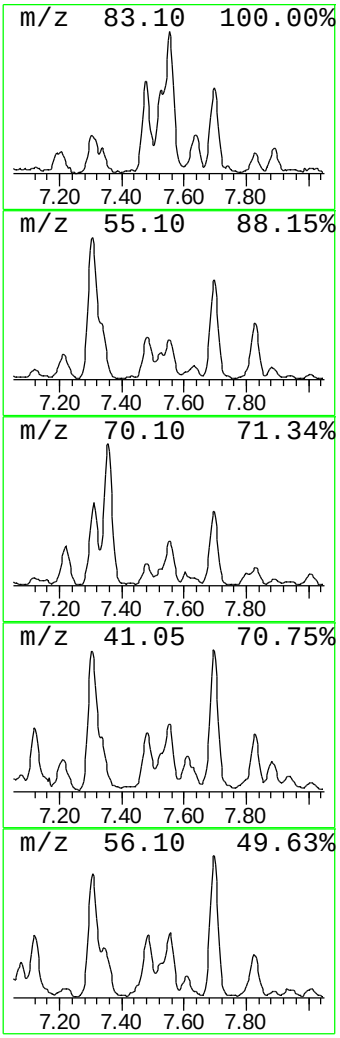
****

Peak Number 25 (DEL) Alkane: Cyclic7.55 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	1.42 ug/L	327100	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octene, (E)-	112	C8H16	014919-01-8	60
2	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	53
3	6-Methyl-1,7-diazabicyclo[4.1.0]...	112	C6H12N2	108602-71-7	52
4	2-Octene, (Z)-	112	C8H16	007642-04-8	49
5	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

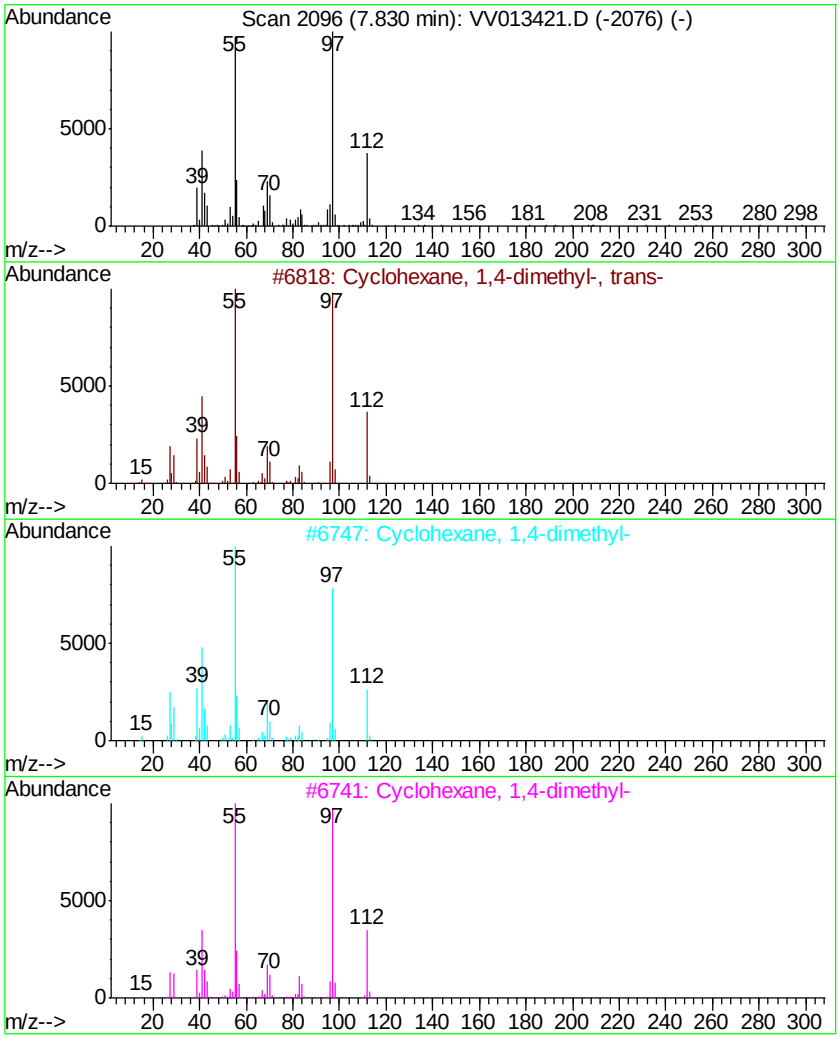
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

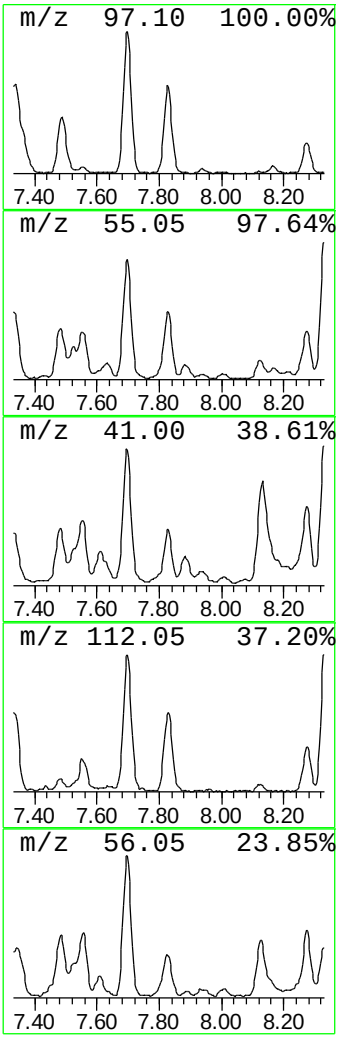
****

Peak Number 26 (DEL) Alkane: Cyclic7.83 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	1.37 ug/L	316811	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	95
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	93





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Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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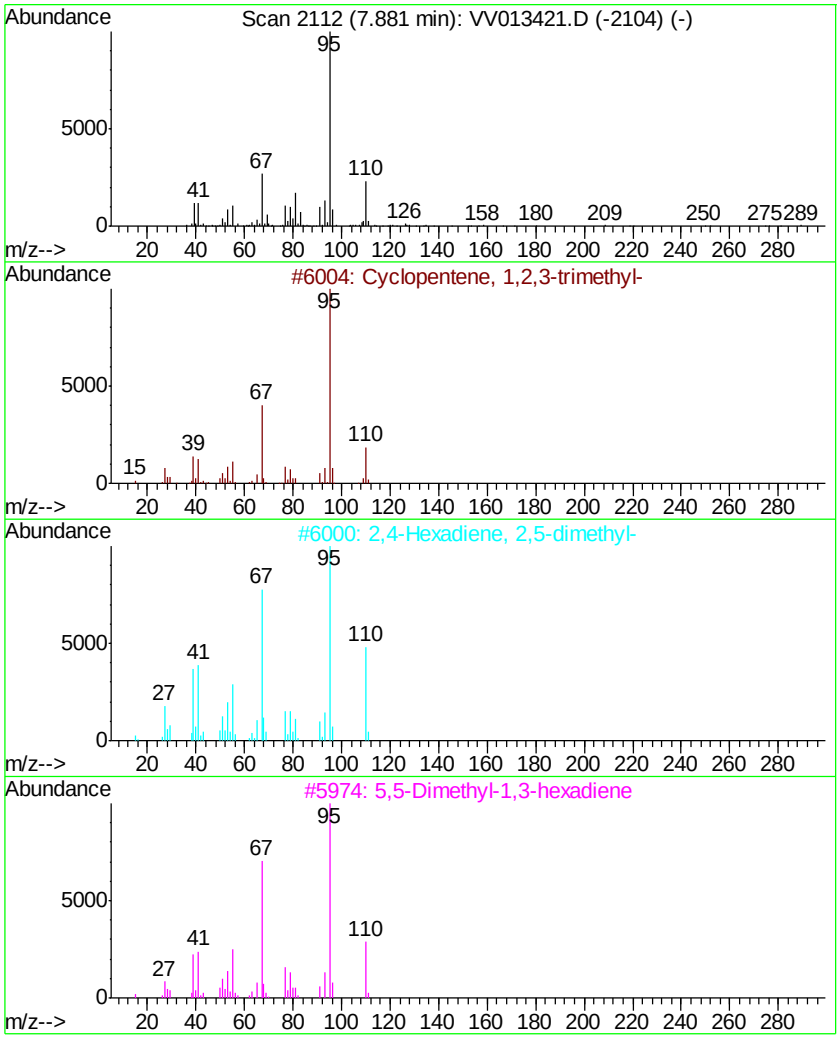
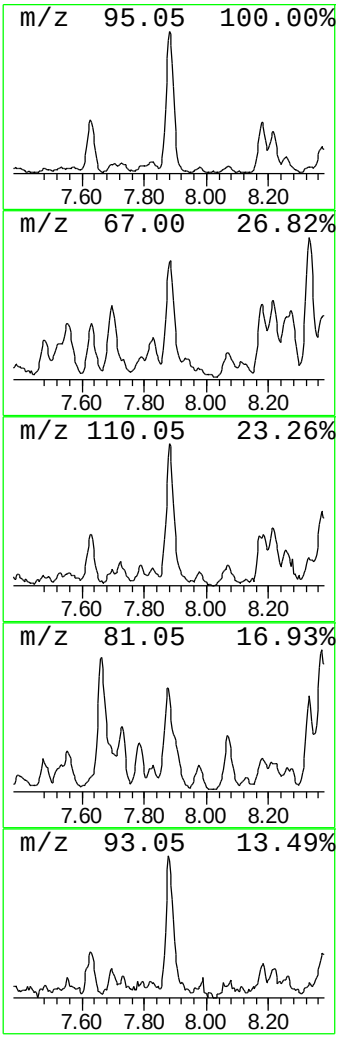
Peak Number 27 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	0.87 ug/L	201611	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	91
2	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	91
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	91
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	87
5	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

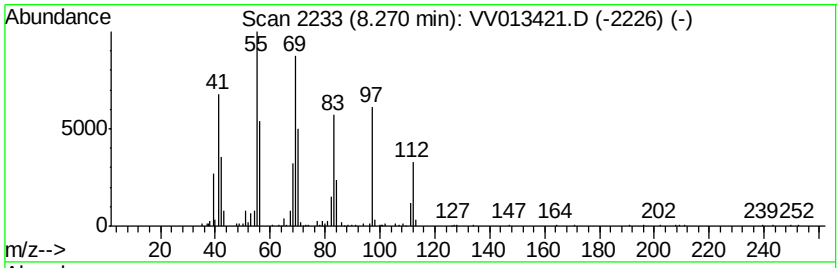
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

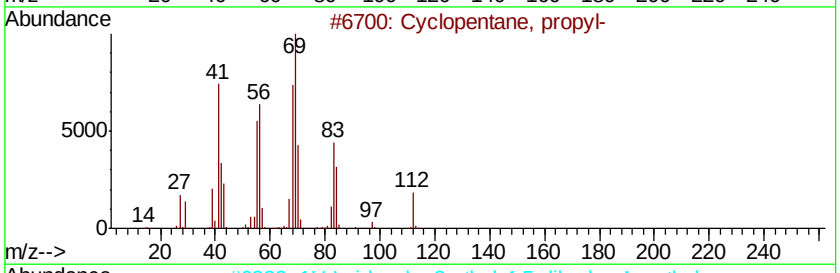
****

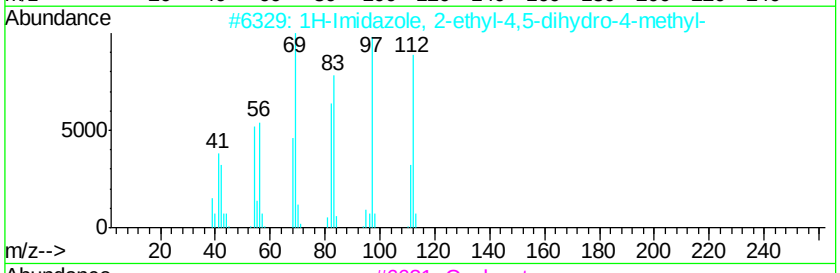
Peak Number 28 (DEL) Alkane: Cyclic8.27 Concentration Rank 29

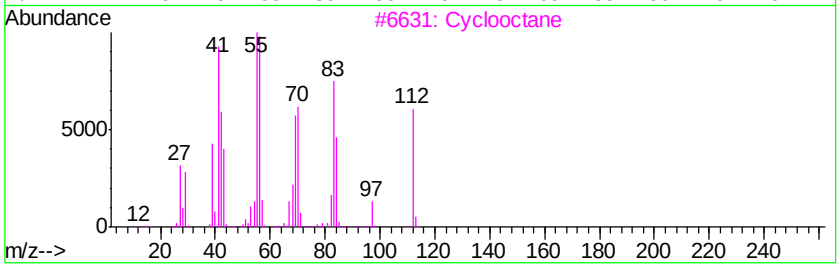
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	1.10 ug/L	254396	Chlorobenzene-d5	8.89

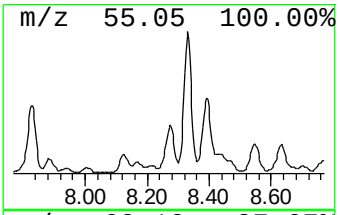
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	70
2	1H-Imidazole, 2-ethyl-4,5-dihydr...	112	C6H12N2	000931-35-1	68
3	Cyclooctane	112	C8H16	000292-64-8	50
4	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	46
5	Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	46

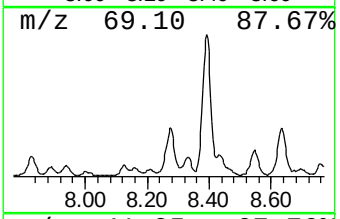


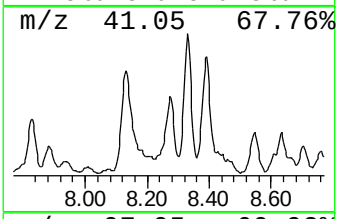


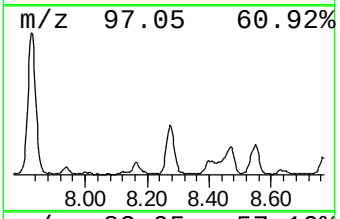


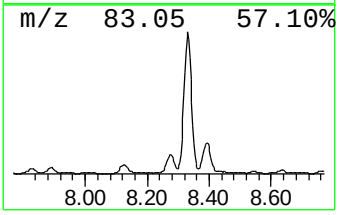












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

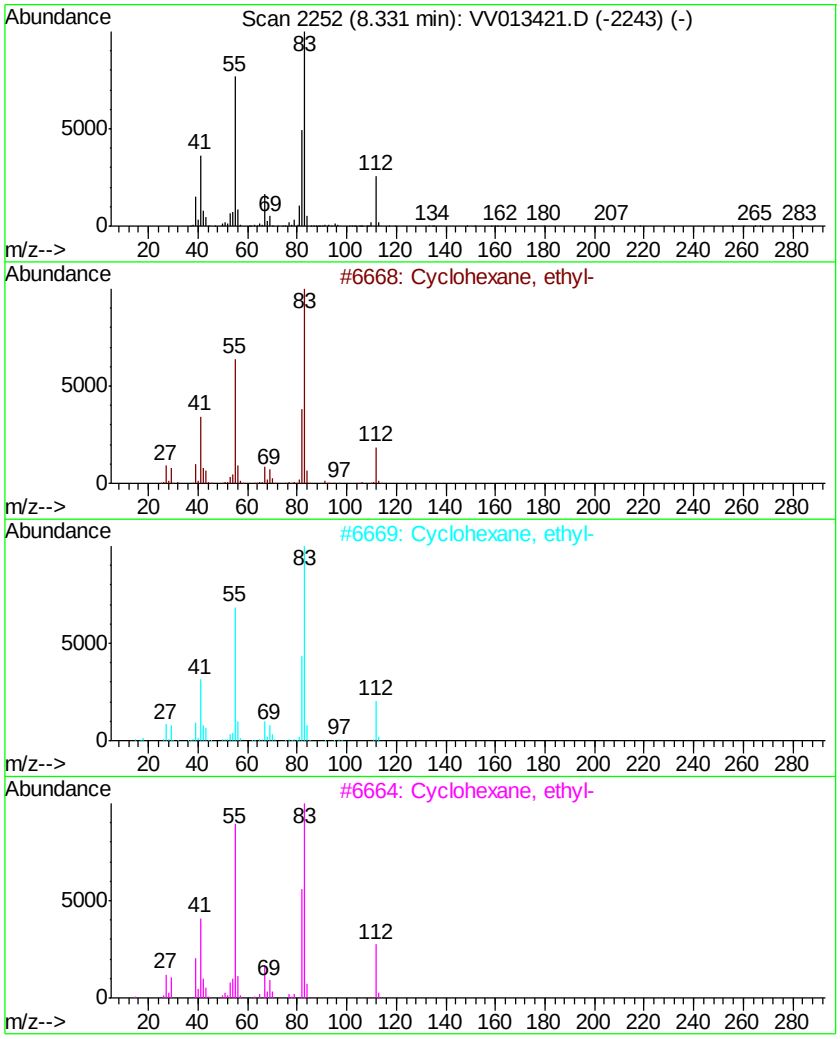
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

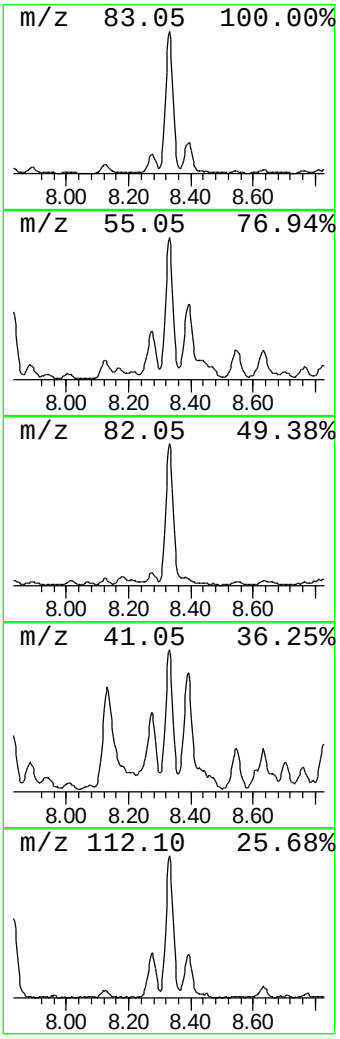
****

Peak Number 29 (DEL) Alkane: Cyclic8.33 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	2.11 ug/L	487285	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
5	2,4-Dimethyl-3-hexene(c,t)	112	C8H16	1000118-16-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

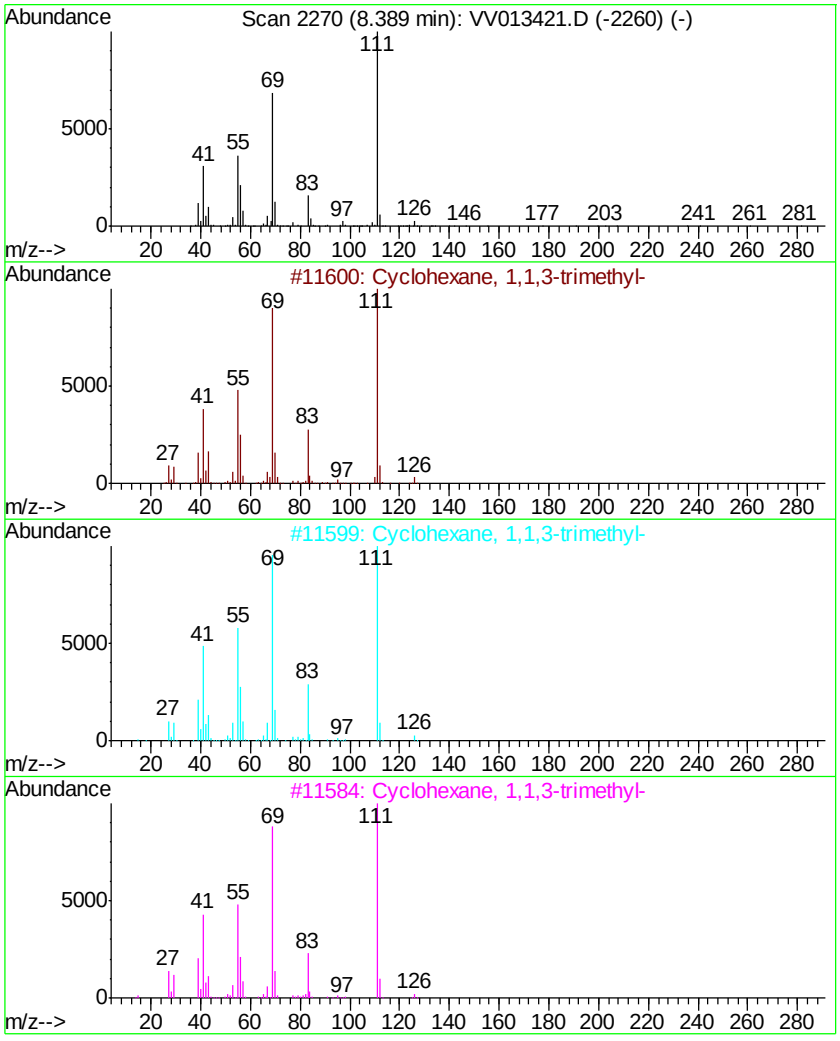
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

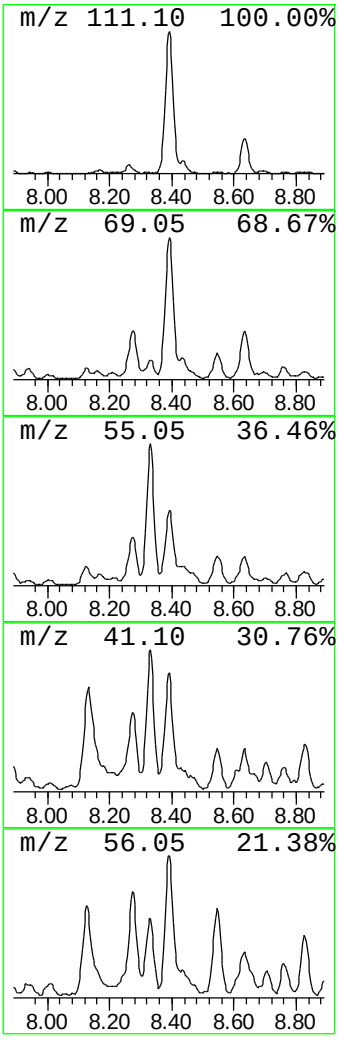
****

Peak Number 30 (DEL) Alkane: Cyclic8.39 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	2.05 ug/L	471897	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	60
4	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	59
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

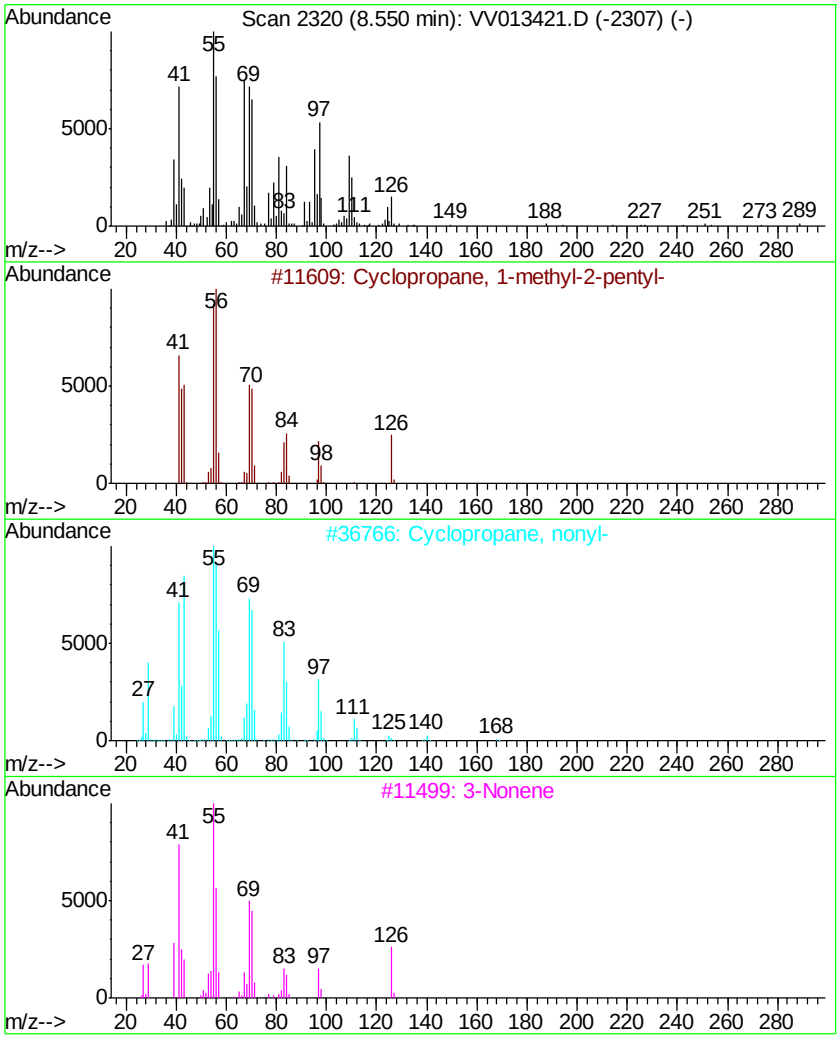
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

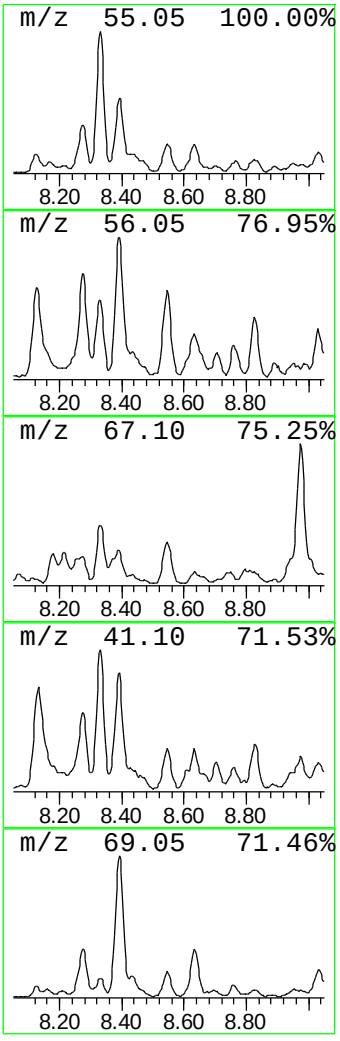
****

Peak Number 31 (DEL) Alkane: Cyclic8.55 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	1.07 ug/L	246393	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	50
2	Cyclopropane, nonyl-	168	C12H24	074663-85-7	50
3	3-Nonene	126	C9H18	020063-77-8	38
4	3-Octyne, 6-methyl-	124	C9H16	062108-34-3	38
5	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

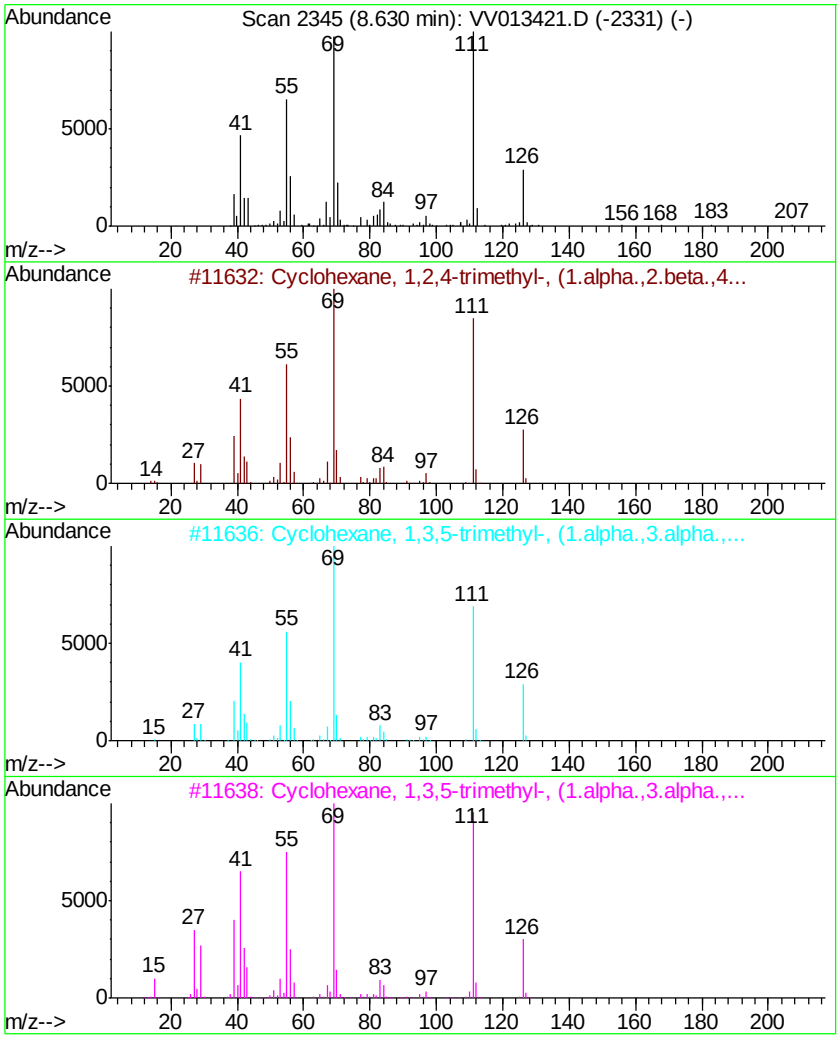
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

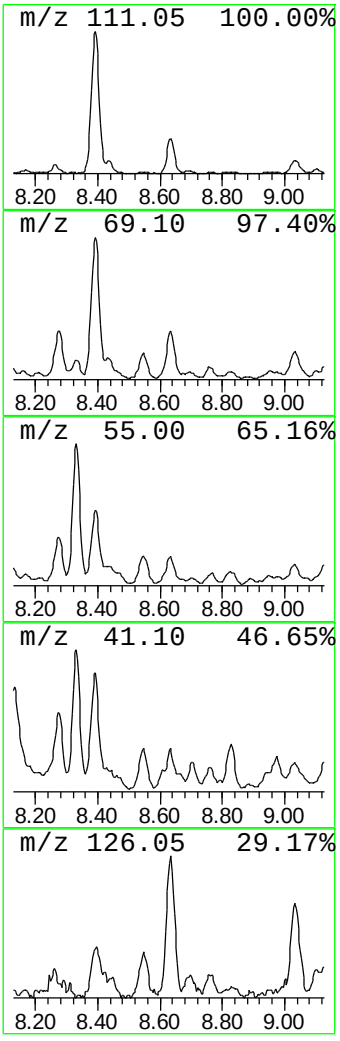
****

Peak Number 32 (DEL) Alkane: Cyclic8.63 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	1.18 ug/L	271720	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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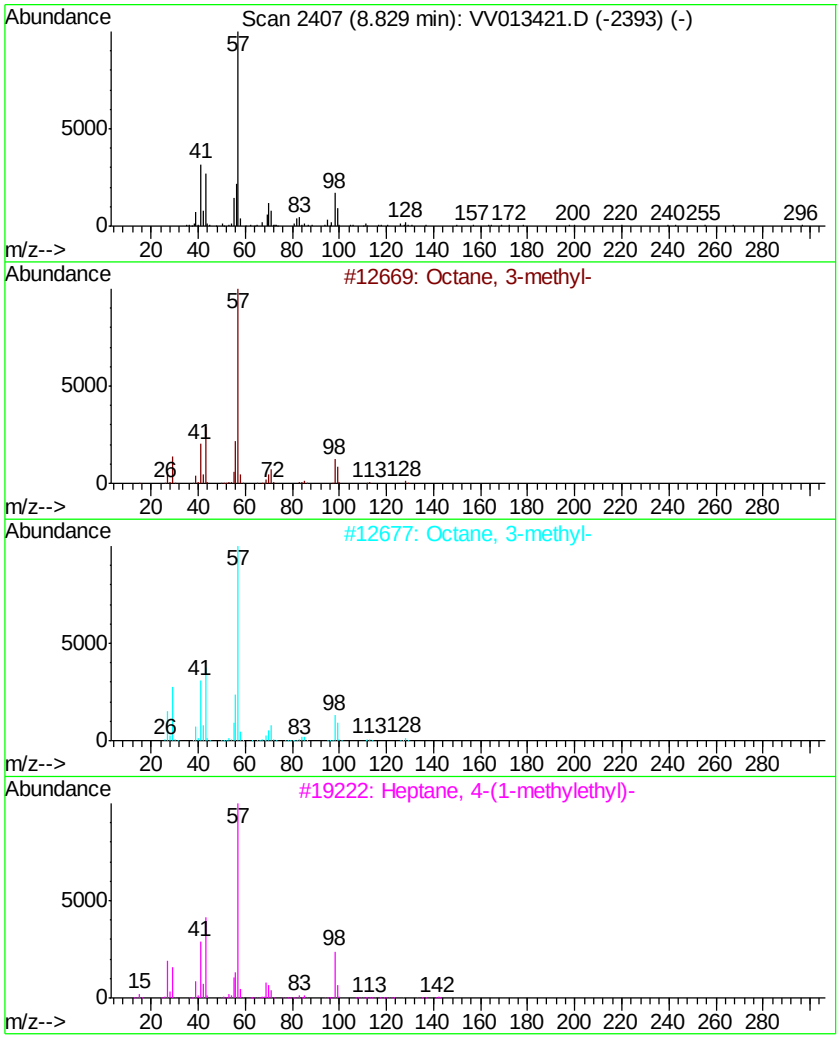
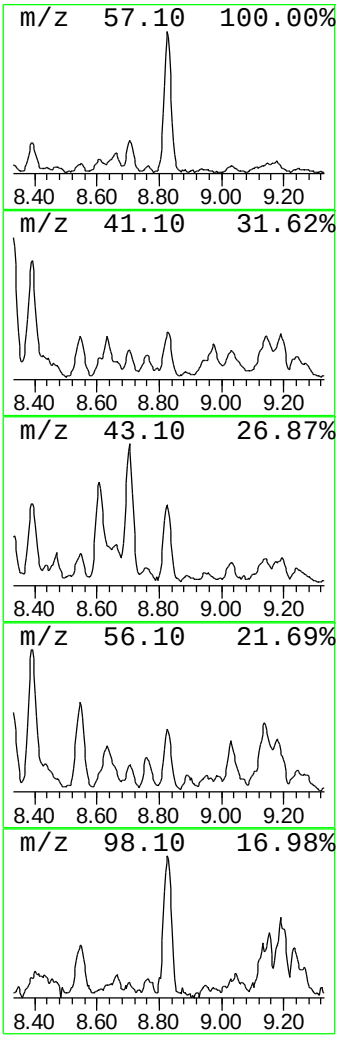
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	0.82 ug/L	188395	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	64
2	Octane, 3-methyl-	128	C9H20	002216-33-3	64
3	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	53
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53
5	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

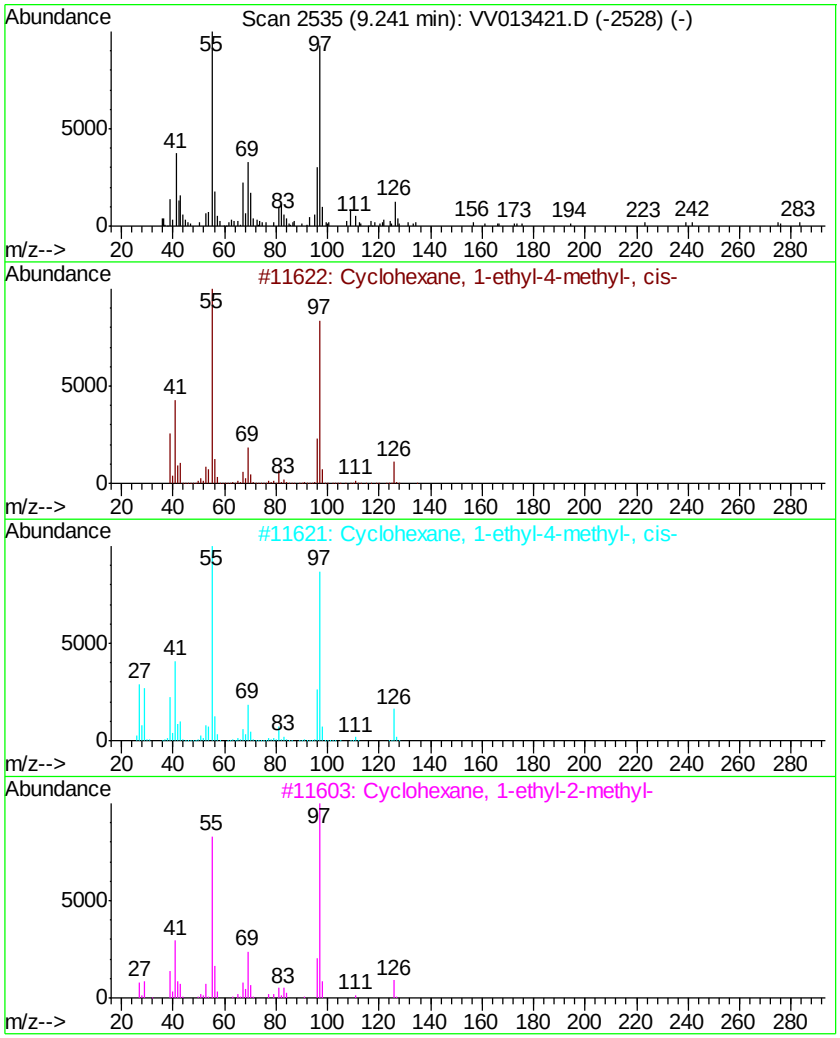
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

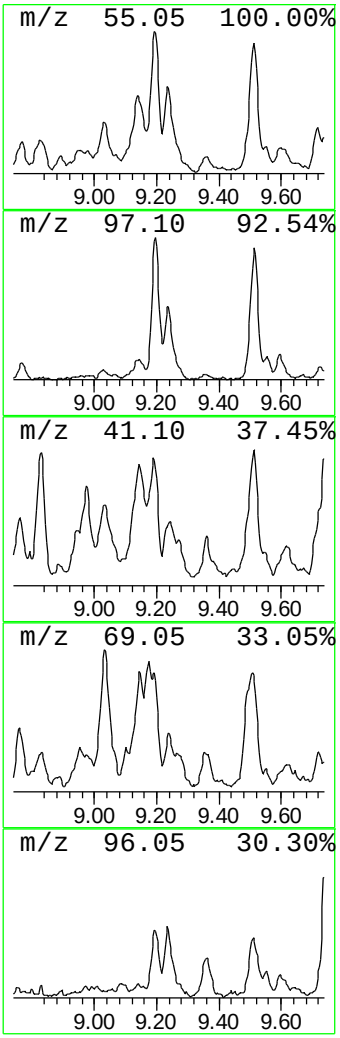
****

Peak Number 34 (DEL) Alkane: Cyclic9.24 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	0.81 ug/L	187911	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	83
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83
5	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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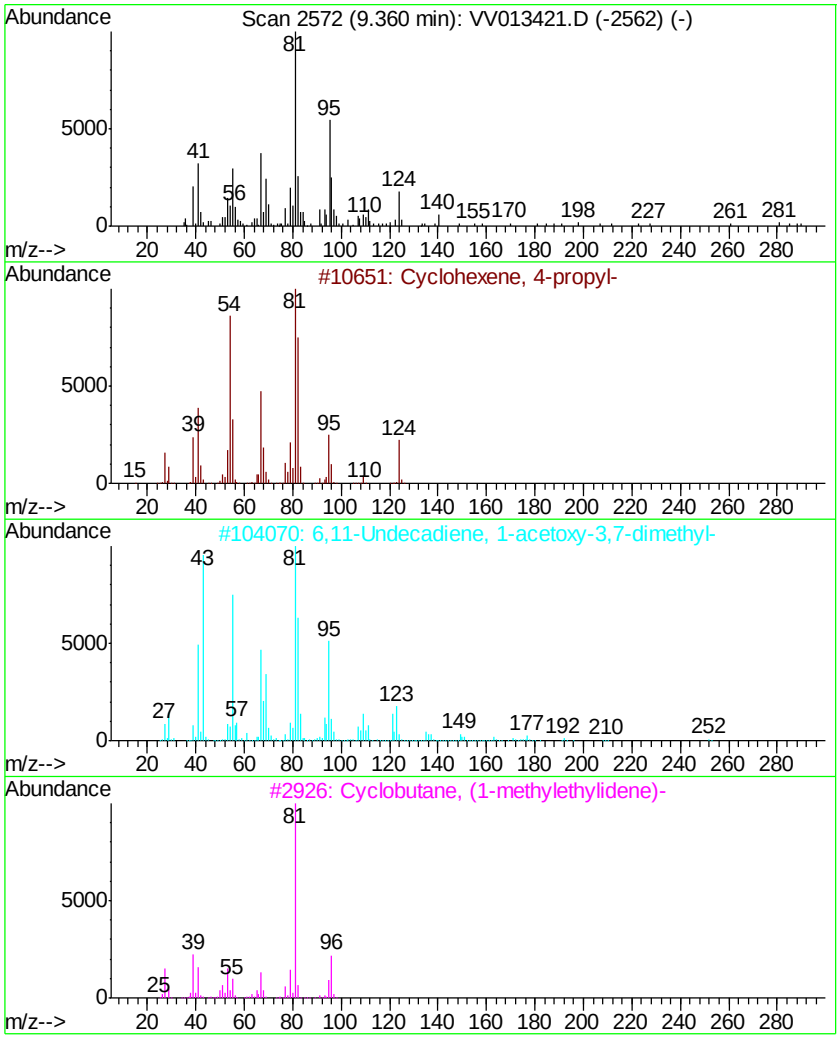
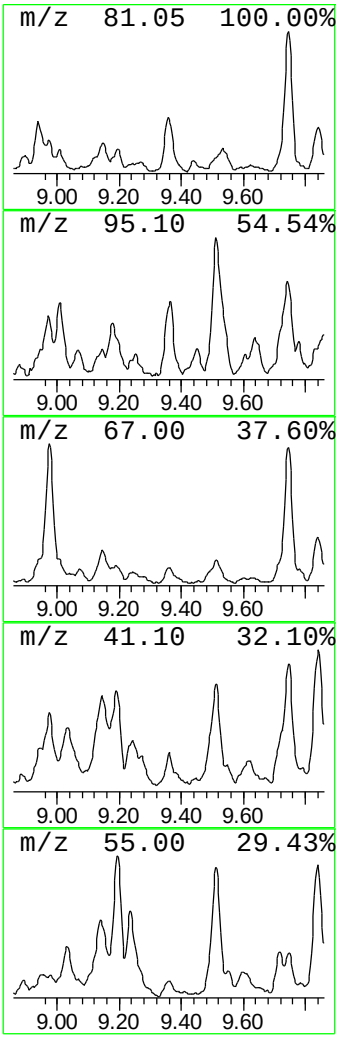
Peak Number 35 Cyclohexene, 4-propyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	0.52 ug/L	119433	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	52
2	6,11-Undecadiene, 1-acetoxy-3,7-...	252	C16H28O2	1000150-66-0	50
3	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	49
4	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	47
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

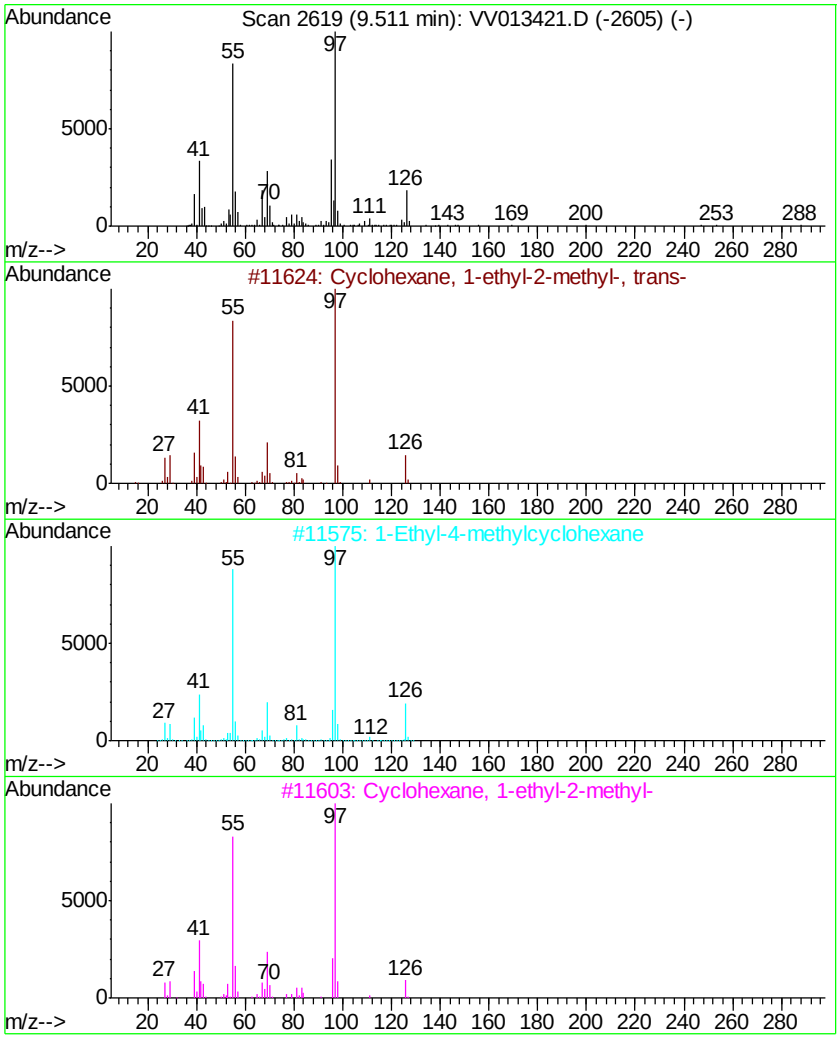
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

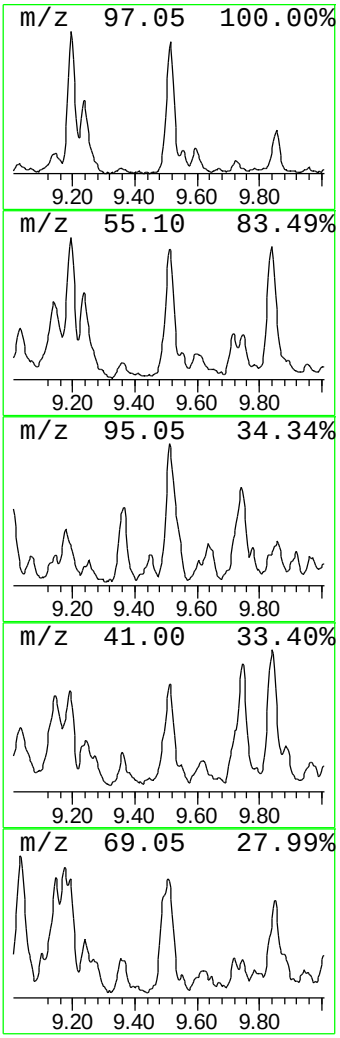
****

Peak Number 36 (DEL) Alkane: Cyclic9.51 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	1.44 ug/L	332720	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	74
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	74
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	68
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

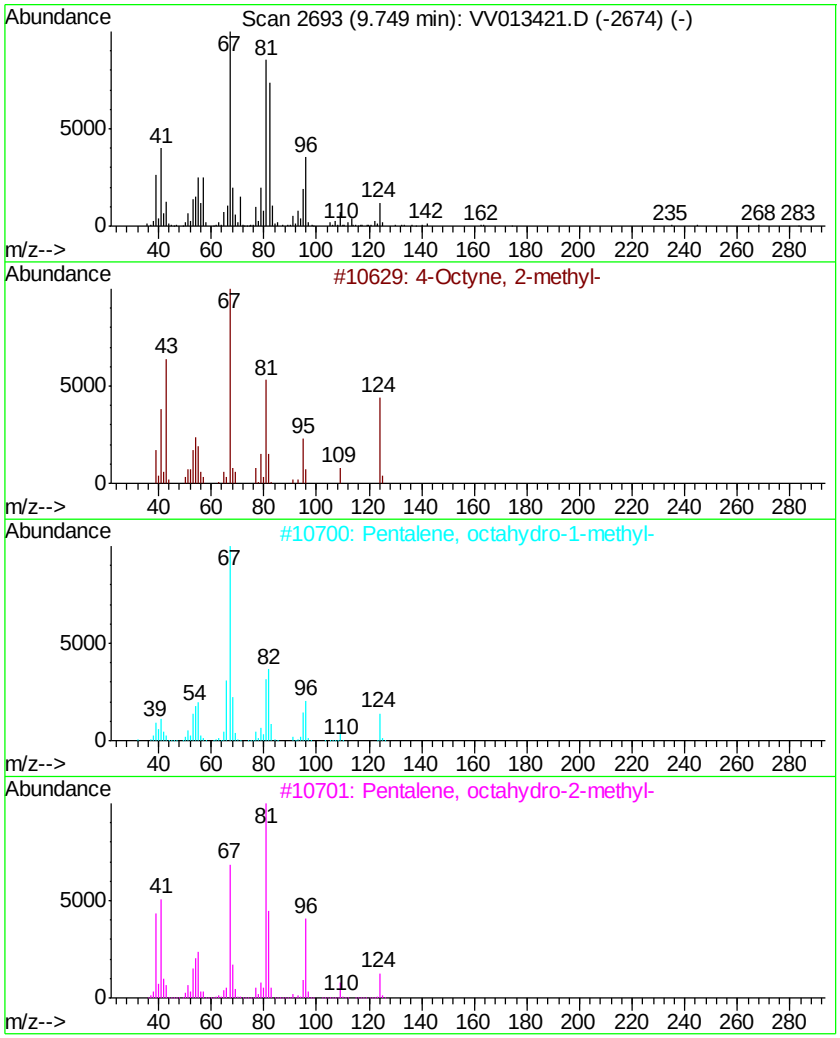
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

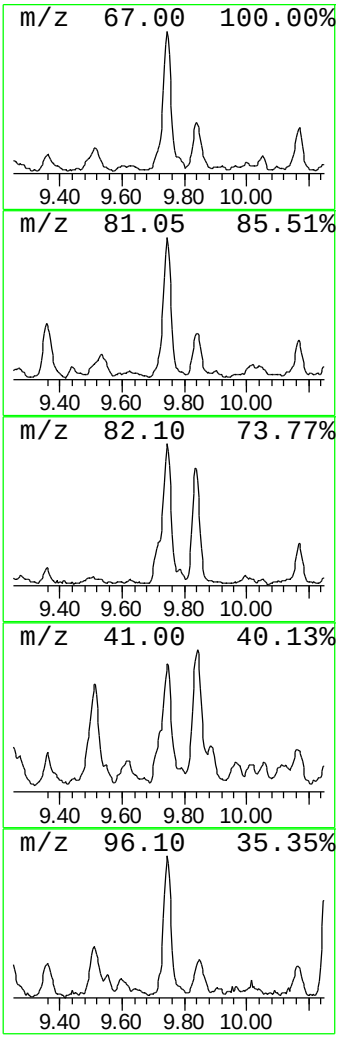
****

Peak Number 37 4-Octyne, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	1.99 ug/L	460151	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octyne, 2-methyl-	124	C9H16	010306-94-2	58
2	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	55
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	49
4	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	46
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

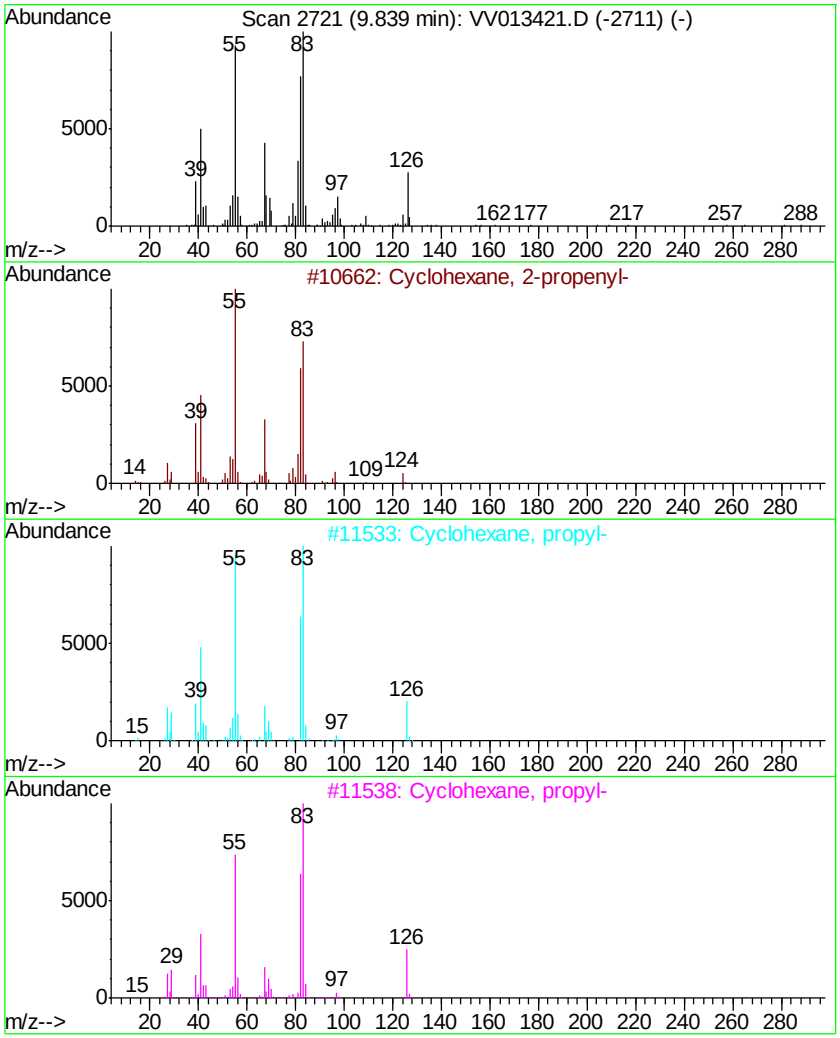
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

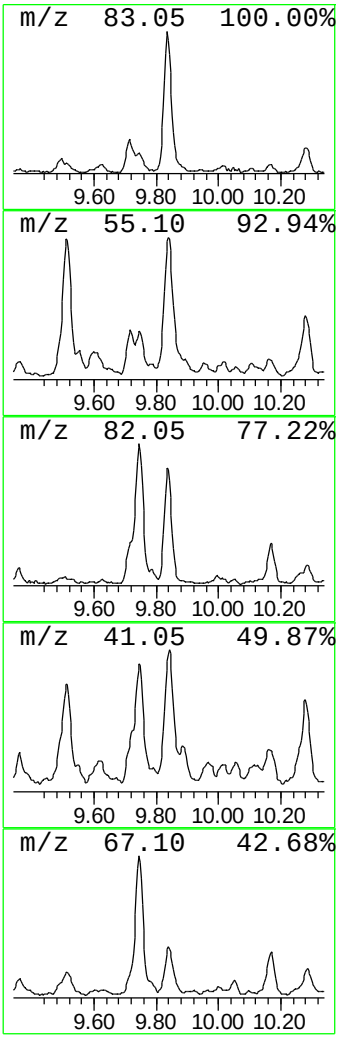
****

Peak Number 38 Cyclohexane, 2-propenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	1.41 ug/L	326278	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	87
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
4	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	74
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

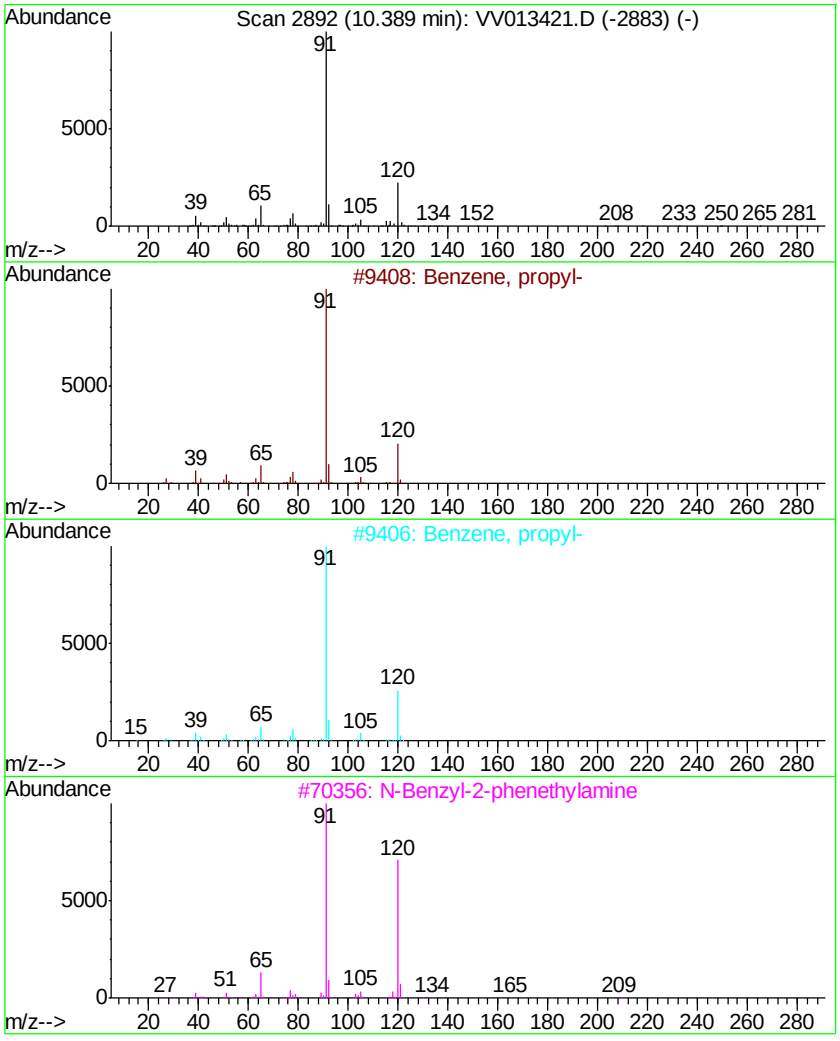
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

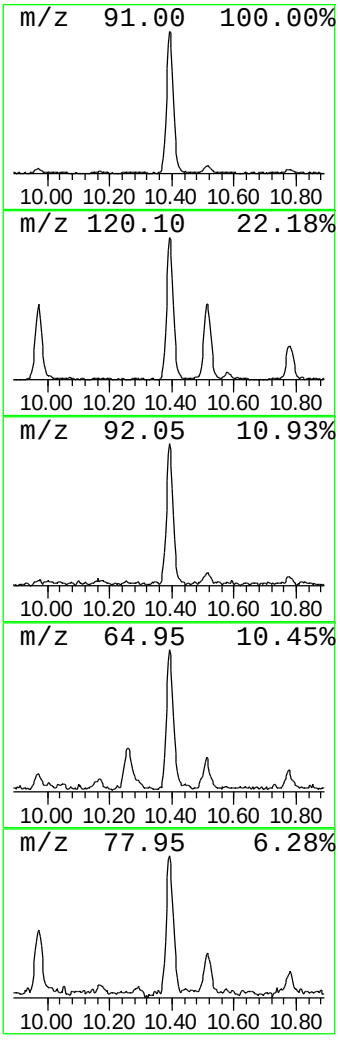
****

Peak Number 39 Benzene, propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	1.55 ug/L	446082	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	83
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

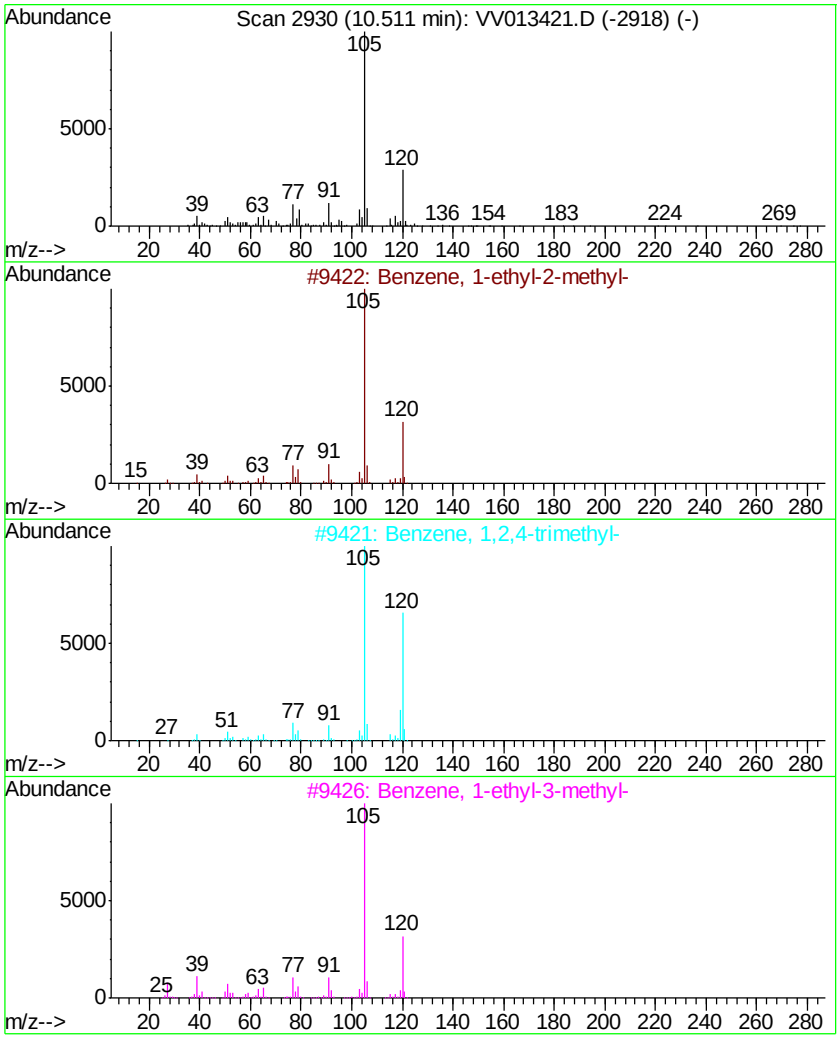
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

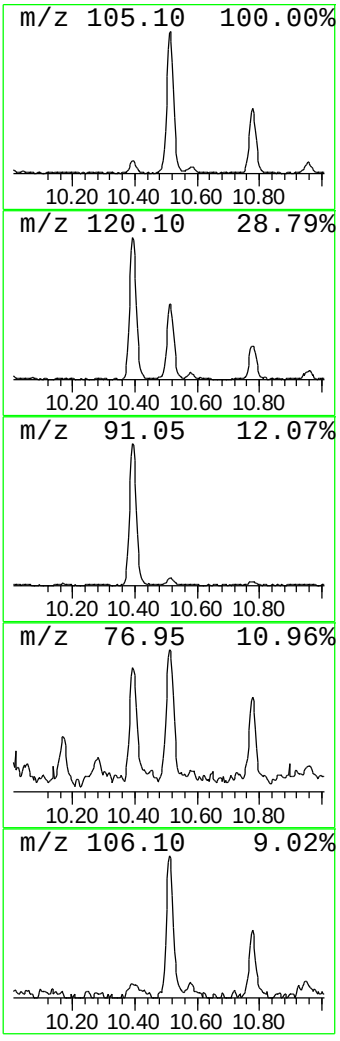
****

Peak Number 40 Benzene, 1-ethyl-2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	0.84 ug/L	240883	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

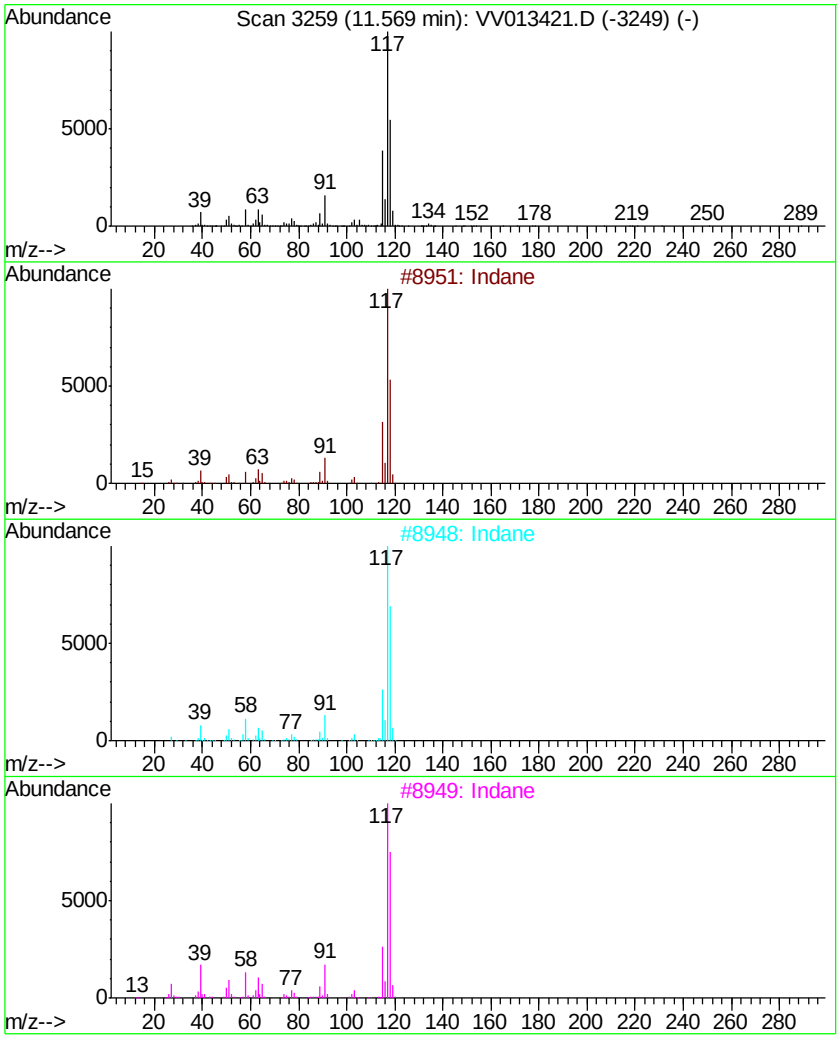
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

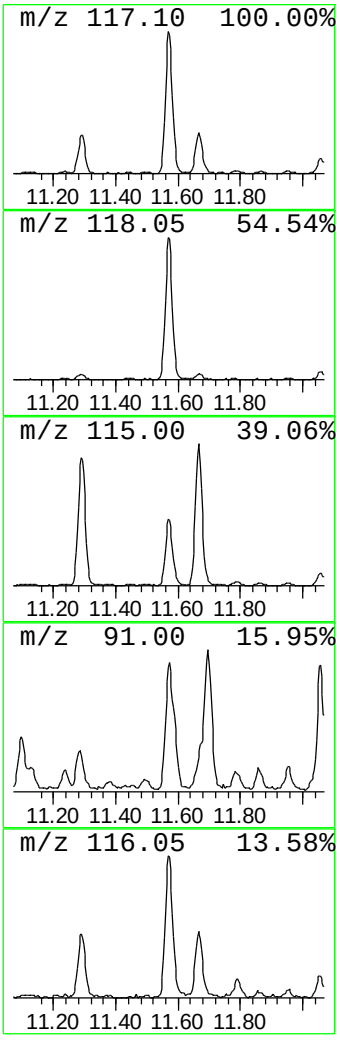
****

Peak Number 42 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	2.53 ug/L	729206	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	76
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

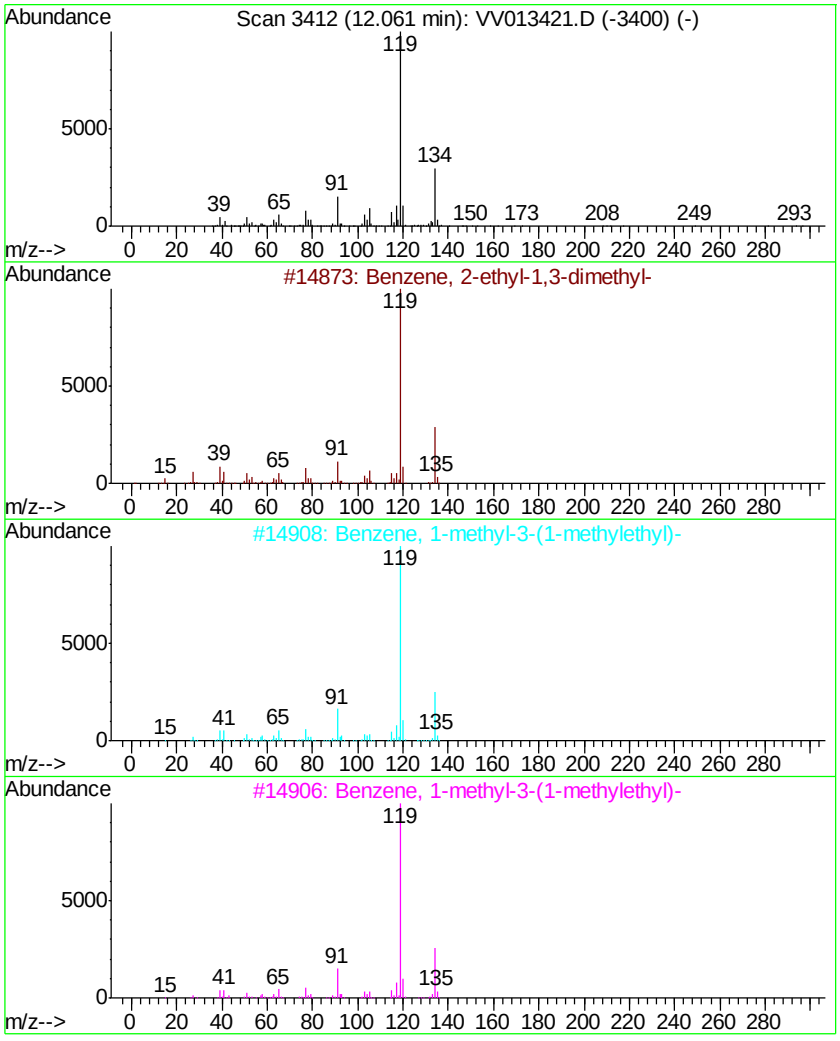
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

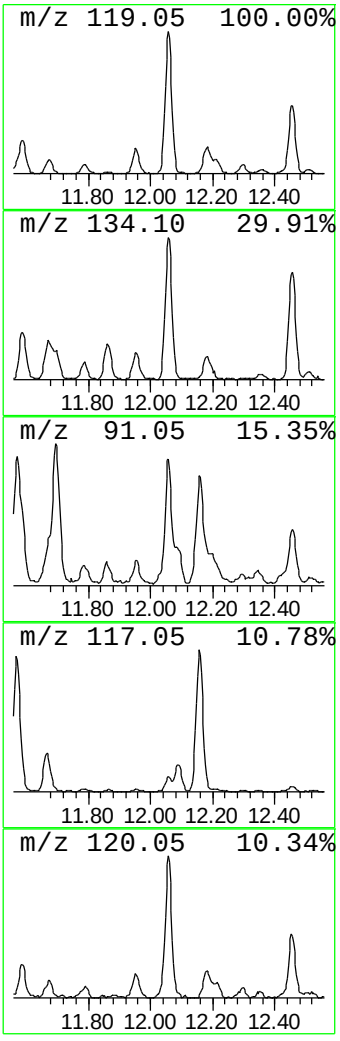
****

Peak Number 43 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	1.55 ug/L	445639	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	o-Cymene	134	C10H14	000527-84-4	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

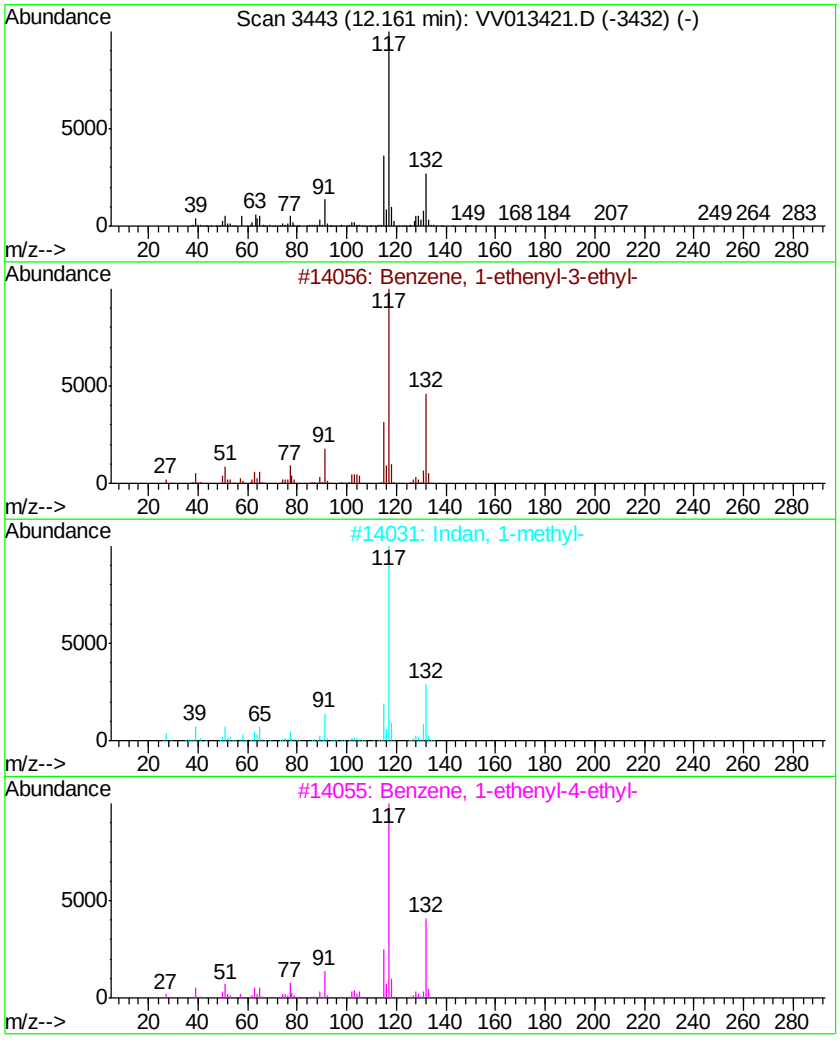
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

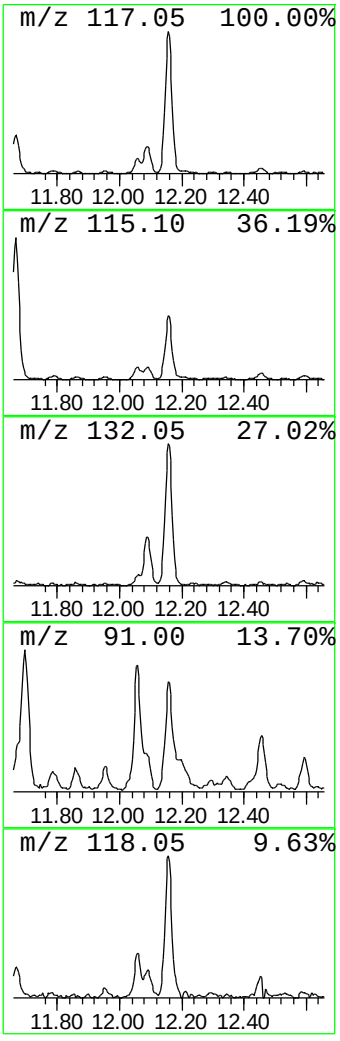
****

Peak Number 44 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	2.54 ug/L	731424	1,4-Dichlorobenzene-d4	11.29

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	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

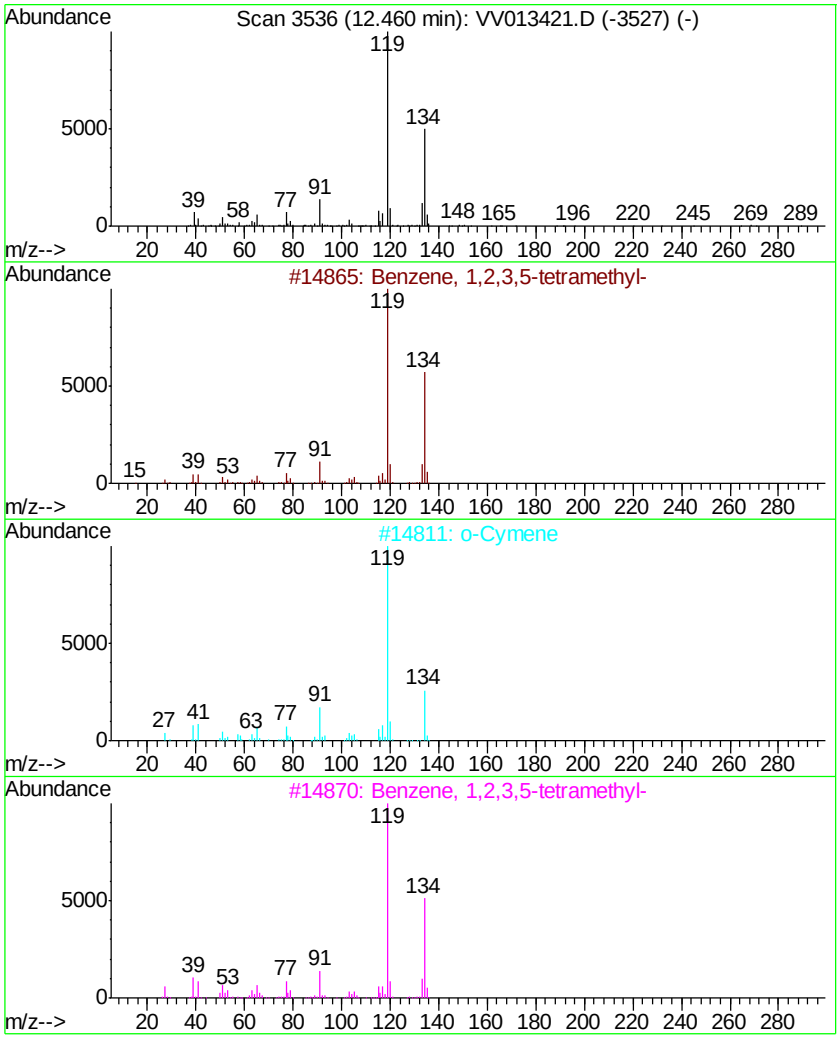
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

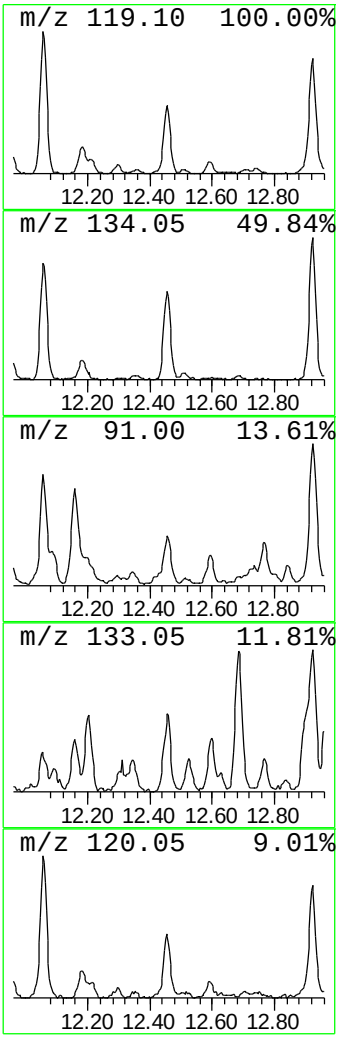
****

Peak Number 45 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	0.79 ug/L	228313	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

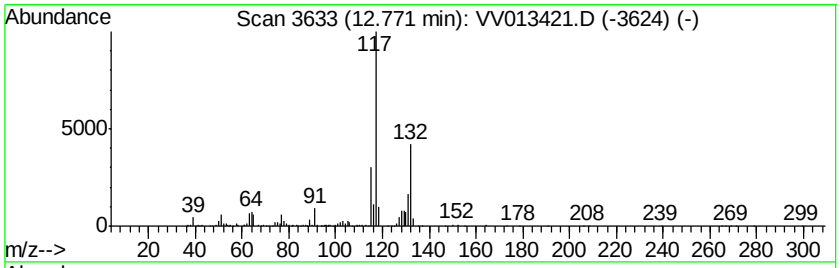
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

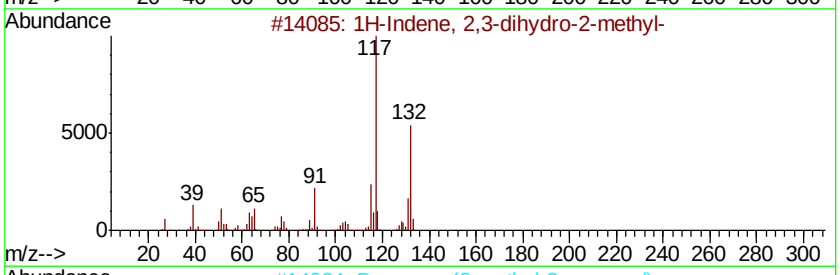
****

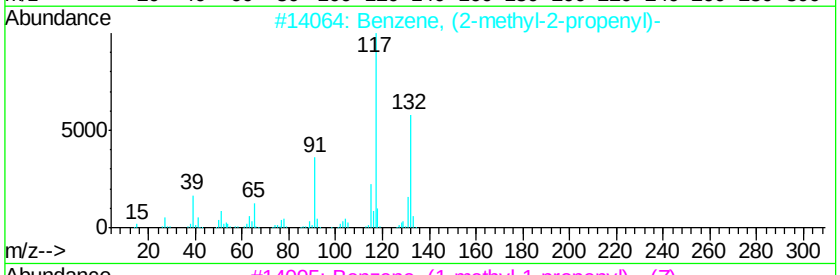
Peak Number 46 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 33

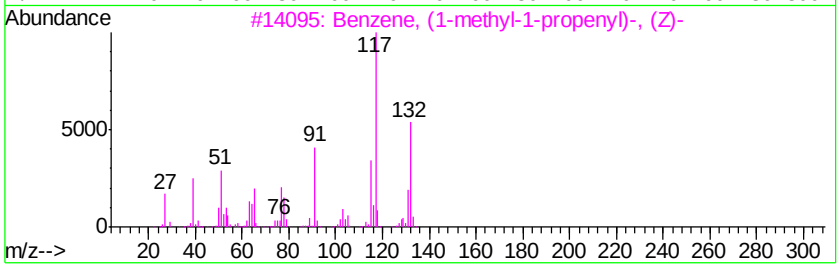
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	1.03 ug/L	295339	1,4-Dichlorobenzene-d4	11.29

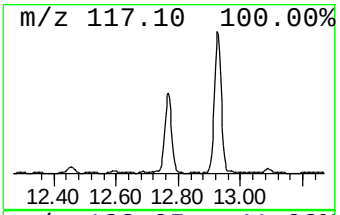
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	86
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	86
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86

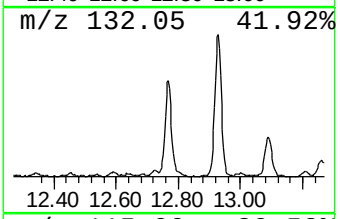


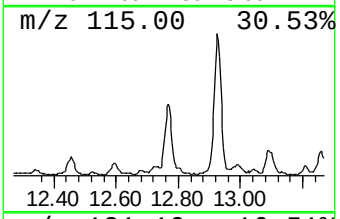


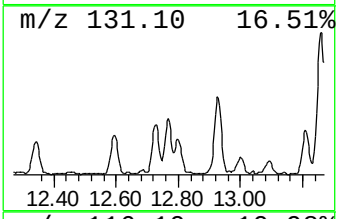


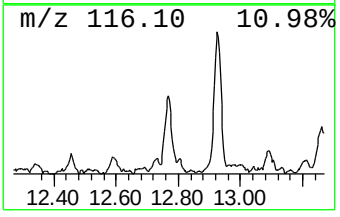












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

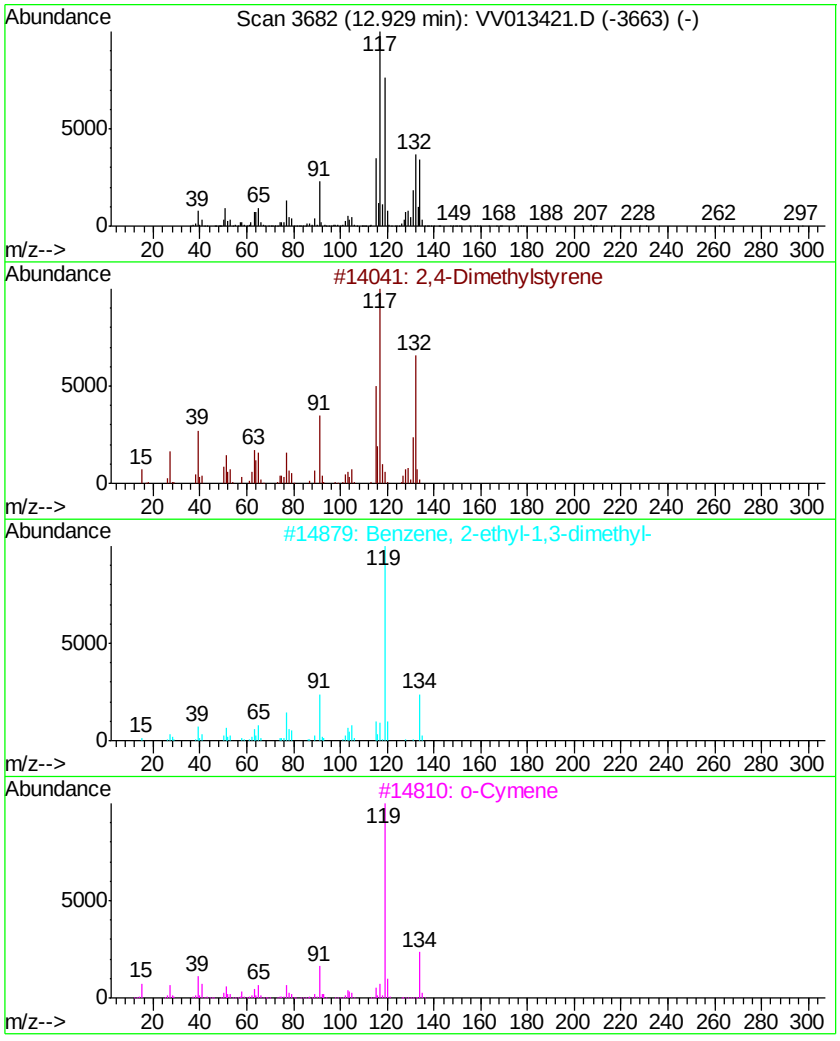
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

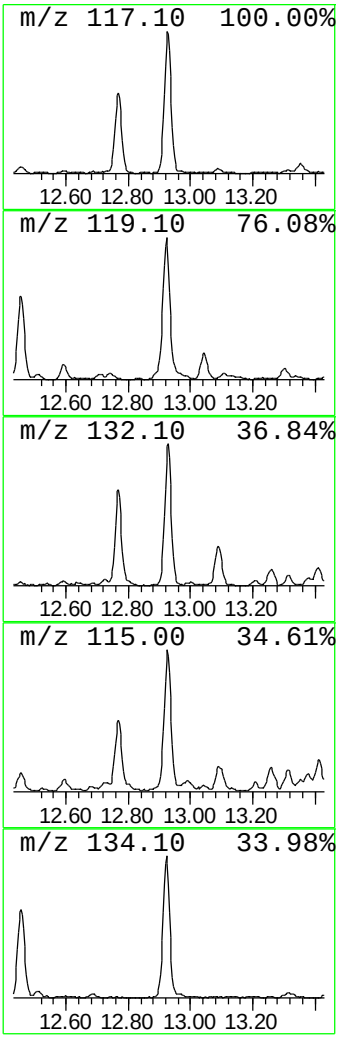
****

Peak Number 47 2,4-Dimethylstyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	2.88 ug/L	828354	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	74
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
3	o-Cymene	134	C10H14	000527-84-4	50
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
5	o-Cymene	134	C10H14	000527-84-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Data File : VV013421.D
Acq On : 30 Oct 2019 02:17
Operator : SY/MD
Sample : K5597-04 100X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQD5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

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...	1.65	1.1	ug/L	249047	1	5.66	1168290	5.0
(DEL) Alkane: Str...	1.82	0.8	ug/L	196930	1	5.66	1168290	5.0
(DEL) Alkane: Str...	2.55	2.8	ug/L	645191	1	5.66	1168290	5.0
(DEL) Alkane: Cyc...	2.60	0.6	ug/L	149504	1	5.66	1168290	5.0
(DEL) Alkane: Str...	2.79	1.8	ug/L	419871	1	5.66	1168290	5.0
(DEL) Alkane: Str...	3.07	2.3	ug/L	539646	1	5.66	1168290	5.0
(DEL) Alkane: Cyc...	3.80	4.3	ug/L	1008230	1	5.66	1168290	5.0
Cyclopentene, 1-m...	4.50	0.6	ug/L	128227	1	5.66	1168290	5.0
(DEL) Alkane: Str...	4.81	0.9	ug/L	217241	1	5.66	1168290	5.0
(DEL) Alkane: Str...	4.95	2.7	ug/L	622693	1	5.66	1168290	5.0
(DEL) Alkane: Cyc...	5.22	1.9	ug/L	441581	1	5.66	1168290	5.0
(DEL) Alkane: Cyc...	5.29	2.0	ug/L	476093	1	5.66	1168290	5.0
(DEL) Alkane: Cyc...	5.37	3.2	ug/L	749354	1	5.66	1168290	5.0
(DEL) Alkane: Str...	5.53	2.2	ug/L	518361	1	5.66	1168290	5.0
Cyclopentene, 1,5...	5.98	0.5	ug/L	118040	1	5.66	1168290	5.0
(DEL) Alkane: Cyc...	6.41	1.2	ug/L	274724	1	5.66	1168290	5.0
(DEL) Alkane: Cyc...	6.50	1.2	ug/L	271686	1	5.66	1168290	5.0
Cyclohexene, 4-me...	6.61	0.5	ug/L	122700	1	5.66	1168290	5.0
(DEL) Alkane: Cyc...	6.67	1.8	ug/L	412840	1	5.66	1168290	5.0
Cyclobutane, (1-m...	6.84	1.0	ug/L	242181	1	5.66	1168290	5.0
(DEL) Alkane: Str...	6.96	0.8	ug/L	179353	1	5.66	1168290	5.0
(DEL) Alkane: Str...	7.12	0.9	ug/L	208860	1	5.66	1168290	5.0
Cyclohexene, 1-me...	7.21	1.3	ug/L	309459	1	5.66	1168290	5.0
(DEL) Alkane: Cyc...	7.55	1.4	ug/L	327100	2	8.89	1153710	5.0
(DEL) Alkane: Cyc...	7.83	1.4	ug/L	316811	2	8.89	1153710	5.0
Cyclopentene, 1,2...	7.88	0.9	ug/L	201611	2	8.89	1153710	5.0
(DEL) Alkane: Cyc...	8.27	1.1	ug/L	254396	2	8.89	1153710	5.0
(DEL) Alkane: Cyc...	8.33	2.1	ug/L	487285	2	8.89	1153710	5.0
(DEL) Alkane: Cyc...	8.39	2.0	ug/L	471897	2	8.89	1153710	5.0
(DEL) Alkane: Cyc...	8.55	1.1	ug/L	246393	2	8.89	1153710	5.0
(DEL) Alkane: Cyc...	8.63	1.2	ug/L	271720	2	8.89	1153710	5.0
(DEL) Alkane: Str...	8.83	0.8	ug/L	188395	2	8.89	1153710	5.0
(DEL) Alkane: Cyc...	9.24	0.8	ug/L	187911	2	8.89	1153710	5.0
Cyclohexene, 4-pr...	9.36	0.5	ug/L	119433	2	8.89	1153710	5.0
(DEL) Alkane: Cyc...	9.51	1.4	ug/L	332720	2	8.89	1153710	5.0
4-Octyne, 2-methyl-	9.75	2.0	ug/L	460151	2	8.89	1153710	5.0
Cyclohexane, 2-pr...	9.84	1.4	ug/L	326278	2	8.89	1153710	5.0
Benzene, propyl-	10.39	1.6	ug/L	446082	3	11.29	1439730	5.0
Benzene, 1-ethyl-...	10.51	0.8	ug/L	240883	3	11.29	1439730	5.0
Indane	11.57	2.5	ug/L	729206	3	11.29	1439730	5.0
Benzene, 2-ethyl-...	12.06	1.6	ug/L	445639	3	11.29	1439730	5.0
Benzene, 1-etheny...	12.16	2.5	ug/L	731424	3	11.29	1439730	5.0
Benzene, 1,2,3,5-...	12.46	0.8	ug/L	228313	3	11.29	1439730	5.0
1H-Indene, 2,3-di...	12.77	1.0	ug/L	295339	3	11.29	1439730	5.0
2,4-Dimethylstyrene	12.93	2.9	ug/L	828354	3	11.29	1439730	5.0