LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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	1.116	3	8	26	rVB	832225	802618	1.16%	0.094%
2	1.225	31	42	57	rVB	1728980	1675031	2.41%	0.197%
3	1.319	61	71	79	rBV	7162785	6997293	10.08%	0.824%
4	1.650	163	174	209	rBV	36208409	45793080	65.97%	5.390%
5	1.827	220	229	249	rVB2	5311539	7742309	11.15%	0.911%
6	2.045	287	297	313	rVB	9617306	13265503	19.11%	1.561%
7	2.155	314	331	352	rVB2	1830965	3886099	5.60%	0.457%
8	2.524	412	446	450	rBV3	7638432	15141826	21.81%	1.782%
9	2.556	452	456	464	rVV	10229866	16891370	24.33%	1.988%
10	2.605	464	471	509	rVV2	11921889	22382851	32.24%	2.634%
11	2.791	512	529	561	rVB	11609928	23223250	33.45%	2.733%
12	2.971	572	585	604	rVB2	554087	1130160	1.63%	0.133%
13	3.074	604	617	637	rVB	1438342	2802779	4.04%	0.330%
14	3.312	666	691	705	rBV	3712426	7851242	11.31%	0.924%
15	3.405	705	720	733	rVV	2612462	5933178	8.55%	0.698%
16	3.473	733	741	753	rVV	520097	1097995	1.58%	0.129%
17	3.621	774	787	804	rVV	2757383	7394086	10.65%	0.870%
18	3.714	807	816	828	rVV	1472641	3617190	5.21%	0.426%
19	3.810	828	846	862	rVV	20455743	52080058	75.02%	6.130%
20	3.894	862	872	897	rVB2	1843046	5084774	7.32%	0.598%
21	4.309	979	1001	1017	rBV5	442244	1547471	2.23%	0.182%
22	4.453	1034	1046	1053	rBV	1694286	3697800	5.33%	0.435%
23	4.505	1055	1062	1082	rVB	2732175	5946264	8.57%	0.700%
24	4.640	1082	1104	1114	rBV2	533234	1472880	2.12%	0.173%
25	4.727	1114	1131	1145	rBV2	14439326	35749049	51.50%	4.207%
26	4.814	1145	1158	1185	rVB	5945260	16363007	23.57%	1.926%
27	4.958	1185	1203	1208	rBV	2272911	5215661	7.51%	0.614%
28	5.148	1231	1262	1275	rBV	17761214	40827640	58.81%	4.805%
29	5.222	1275	1285	1294	rBV2	4772291	10202612	14.70%	1.201%
30	5.367	1319	1330	1349	rVB4	6597491	15810607	22.78%	1.861%
31	5.534	1365	1382	1408	rVB3	779604	1779922	2.56%	0.209%
32	5.704	1408	1435	1457	rBV7	2985228	9982060	14.38%	1.175%
33	5.817	1457	1470	1480	rBV2	587416	1187166	1.71%	0.140%
34	5.881	1480	1490	1505	rVB	731954	1350336	1.95%	0.159%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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	5.978	1505	1520	1548	rVB3	4923767	10538635	15.18%	1.240%
36	6.174	1551	1581	1596	rBV4	13175714	33623040	48.44%	3.957%
37	6.408	1641	1654	1670	rBV	2257773	4429111	6.38%	0.521%
38	6.505	1672	1684	1697	rVB	1080926	2334936	3.36%	0.275%
39	6.611	1697	1717	1728	rBV6	1875765	5849696	8.43%	0.688%
40	6.682	1728	1739	1762	rVB5	1605710	4822810	6.95%	0.568%
41	6.842	1763	1789	1799	rBV2	3303067	8365584	12.05%	0.985%
42	6.997	1824	1837	1842	rBV5	715208	1504673	2.17%	0.177%
43	7.209	1886	1903	1918	rVB4	3202723	6901241	9.94%	0.812%
44	7.309	1919	1934	1959	rBV3	2593163	9283665	13.37%	1.093%
45	7.428	1961	1971	1980	rBV	2064432	3323474	4.79%	0.391%
46	7.482	1980	1988	1995	rBV3	792598	1330249	1.92%	0.157%
47	7.630	2025	2034	2042	rBV3	703886	1211294	1.74%	0.143%
48	7.698	2046	2055	2063	rVV	1805643	3094377	4.46%	0.364%
49	7.740	2063	2068	2077	rVB	640920	957617	1.38%	0.113%
50	7.830	2077	2096	2104	rBV	1505553	3069611	4.42%	0.361%
51	7.881	2104	2112	2137	rVB	2113935	3943401	5.68%	0.464%
52	8.125	2178	2188	2197	rBV2	1203598	1988047	2.86%	0.234%
53	8.180	2197	2205	2210	rBV2	732772	1163879	1.68%	0.137%
54	8.273	2223	2234	2243	rVB3	907928	1962873	2.83%	0.231%
55	8.331	2243	2252	2260	rBV	1066088	1774661	2.56%	0.209%
56	8.389	2261	2270	2279	rVB2	486590	1092791	1.57%	0.129%
57	8.553	2307	2321	2333	rBV3	666834	1234117	1.78%	0.145%
58	8.894	2418	2427	2434	rBV	733545	1072762	1.55%	0.126%
59	8.939	2434	2441	2446	rVV2	507514	823420	1.19%	0.097%
60	8.974	2447	2452	2468	rVV3	823569	1971074	2.84%	0.232%
61	9.051	2468	2476	2496	rVV	1313897	2405752	3.47%	0.283%
62	9.177	2498	2515	2529	rVB	20163310	33173409	47.79%	3.904%
63	9.511	2604	2619	2634	rBV5	387957	990455	1.43%	0.117%
64	9.746	2676	2692	2700	rBV3	508539	1075212	1.55%	0.127%
65	9.971	2750	2762	2780	rBV	5116660	7976129	11.49%	0.939%
66	10.392	2870	2893	2907	rBV	12296940	18390823	26.49%	2.165%
67	10.511	2917	2930	2941	rVV	969121	1526090	2.20%	0.180%
68	10.579	2942	2951	2965	rVB	551375	850807	1.23%	0.100%
69	10.778	3001	3013	3038	rVB	4770272	7289414	10.50%	0.858%
70	11.096	3098	3112	3116	rBV	600455	932003	1.34%	0.110%
71	11.128	3116	3122	3137	rVB	821191	1269602	1.83%	0.149%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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	11.289	3162	3172	3186	rVB2	1215737	1937952	2.79%	0.228%
73	11.379	3187	3200	3214	rBV	15597335	23787284	34.27%	2.800%
74	11.575	3246	3261	3278	rBV3	41040224	69418297	100.00%	8.170%
75	11.672	3278	3291	3309	rVV3	3090155	6453341	9.30%	0.760%
76	11.788	3317	3327	3338	rVB	1187802	1789694	2.58%	0.211%
77	11.862	3339	3350	3363	rBV	1862716	2723506	3.92%	0.321%
78	12.058	3394	3411	3418	rBV	12153234	19008528	27.38%	2.237%
79	12.157	3431	3442	3462	rBV	12539989	20222863	29.13%	2.380%
80	12.357	3491	3504	3516	rVB2	1474338	2636924	3.80%	0.310%
81	12.456	3516	3535	3547	rBV	9945915	15157357	21.83%	1.784%
82	12.591	3566	3577	3585	rBV2	1200096	1805591	2.60%	0.213%
83	12.726	3600	3619	3623	rBV3	837431	1705006	2.46%	0.201%
84	12.765	3623	3631	3650	rVB	5579781	9122783	13.14%	1.074%
85	12.926	3663	3681	3692	rBV2	21613034	34501288	49.70%	4.061%
86	13.042	3710	3717	3724	rBV	703187	971411	1.40%	0.114%
87	13.093	3724	3733	3755	rVB3	2102093	3657352	5.27%	0.430%
88	13.257	3775	3784	3793	rBV	1899544	2842534	4.09%	0.335%
89	13.312	3793	3801	3810	rBV2	3329910	4772188	6.87%	0.562%
90	13.379	3810	3822	3826	rBV2	1200798	1908113	2.75%	0.225%
91	13.411	3826	3832	3840	rVB	2495654	3292038	4.74%	0.387%
92	13.546	3856	3874	3885	rBV	9971582	15726421	22.65%	1.851%
93	13.752	3923	3938	3949	rBV3	1117943	1950545	2.81%	0.230%
94	13.813	3949	3957	3967	rVB2	1049942	1595179	2.30%	0.188%
95	13.951	3988	4000	4014	rBV	1484423	2287502	3.30%	0.269%
96	14.132	4046	4056	4069	rBV	1303075	2496087	3.60%	0.294%
97	14.276	4092	4101	4112	rBV3	461174	868147	1.25%	0.102%
98	14.337	4112	4120	4134	rVB2	869738	1522715	2.19%	0.179%
99	14.675	4215	4225	4241	rVB	1453293	2298972	3.31%	0.271%
100	14.861	4272	4283	4296	rBV	2344831	3724029	5.36%	0.438%

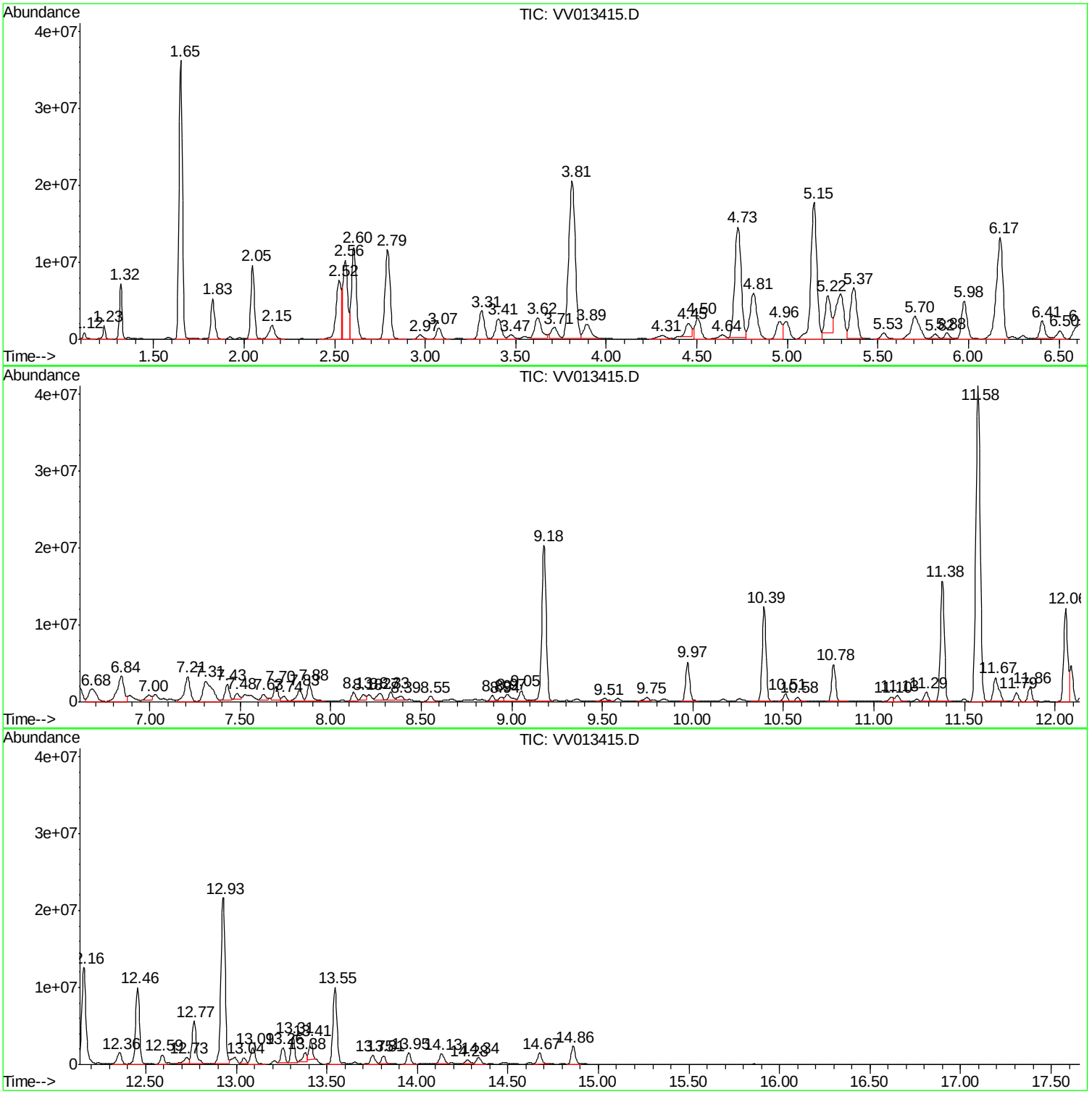
Sum of corrected areas: 849655548

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

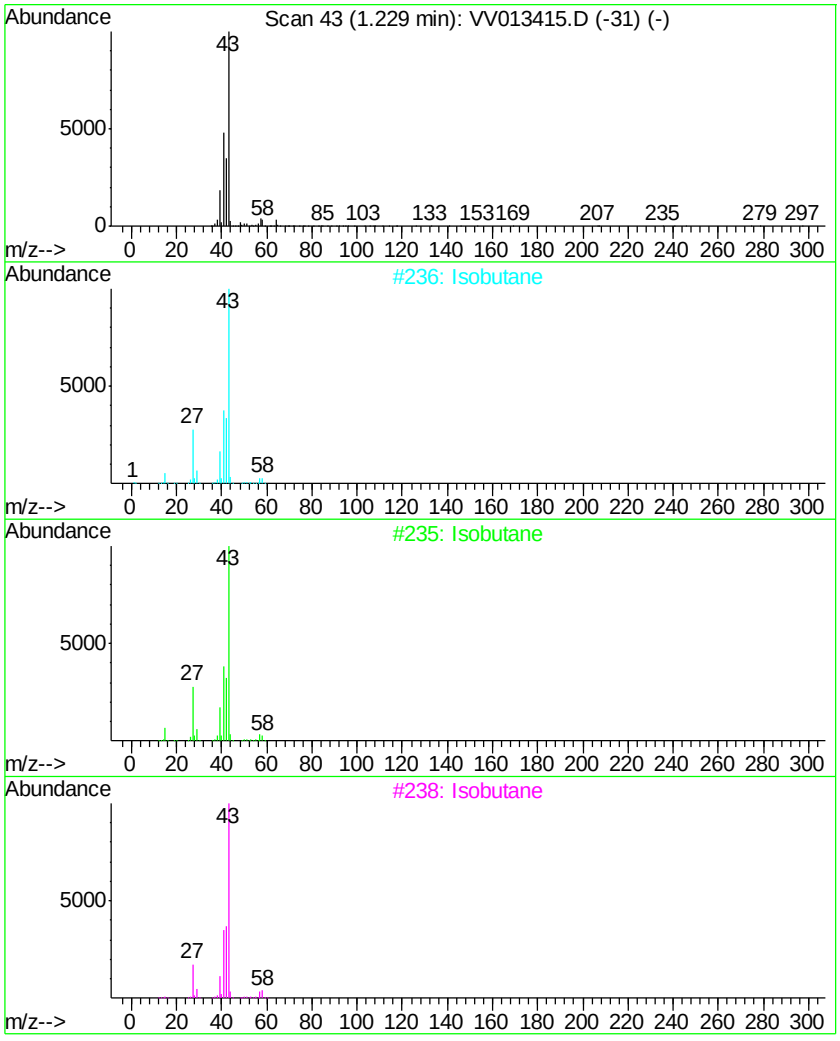
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

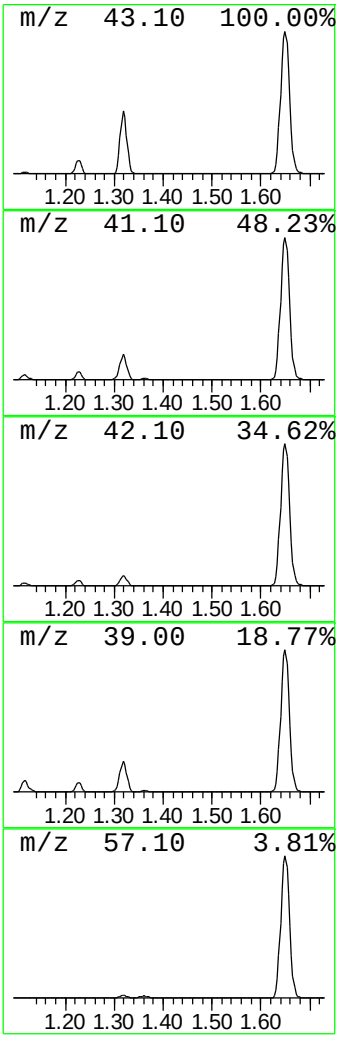
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.23	0.84 ug/L	1675030	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	53
3	Isobutane	58	C4H10	000075-28-5	53
4	Isobutane	58	C4H10	000075-28-5	50
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

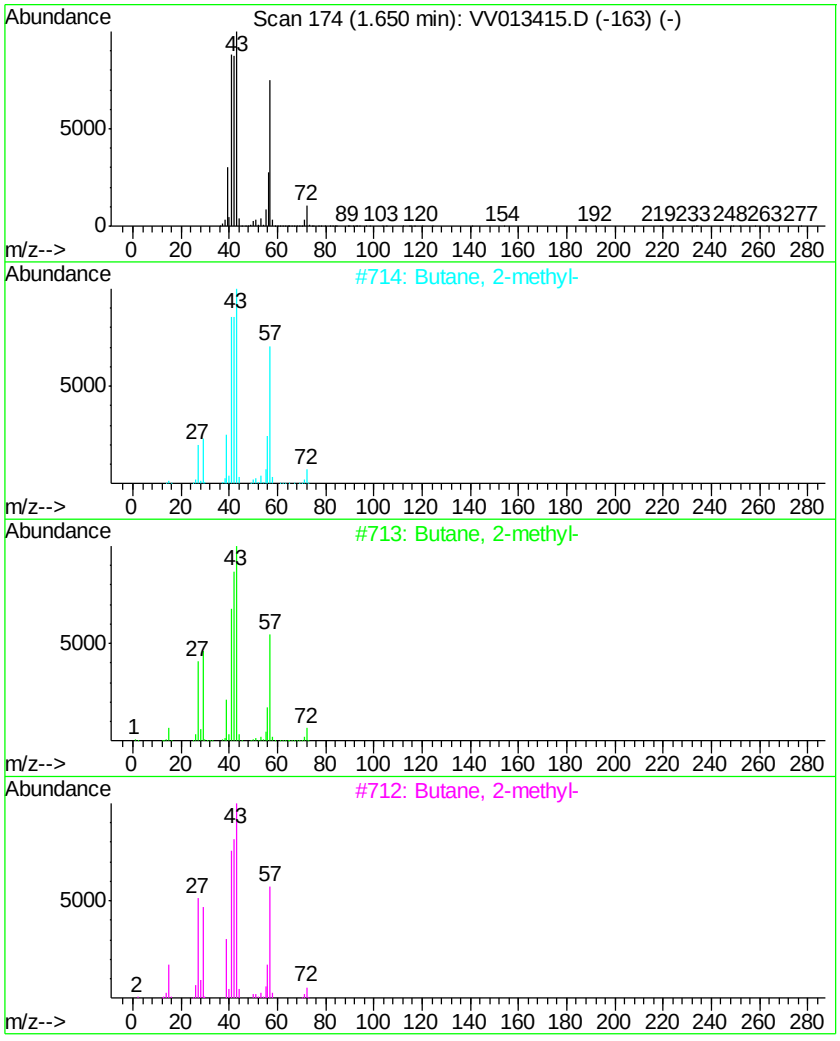
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

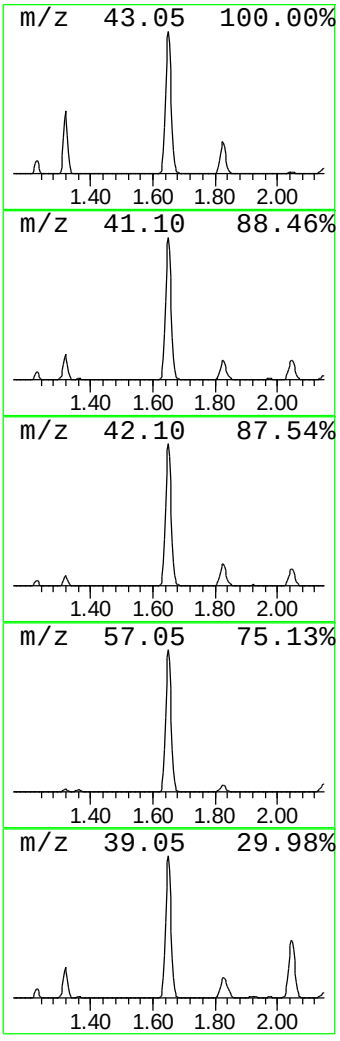
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	22.94 ug/L	45793100	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	Pentane	72	C5H12	000109-66-0	38
5	3-Buten-1-ol	72	C4H8O	000627-27-0	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

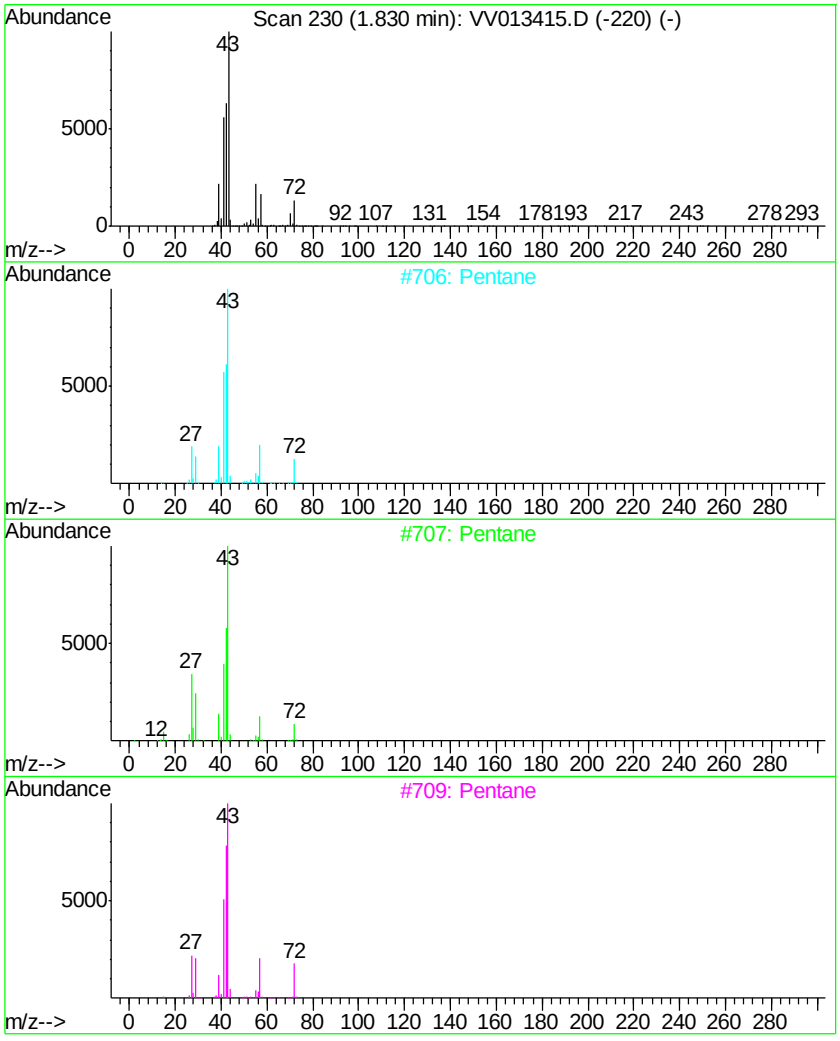
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

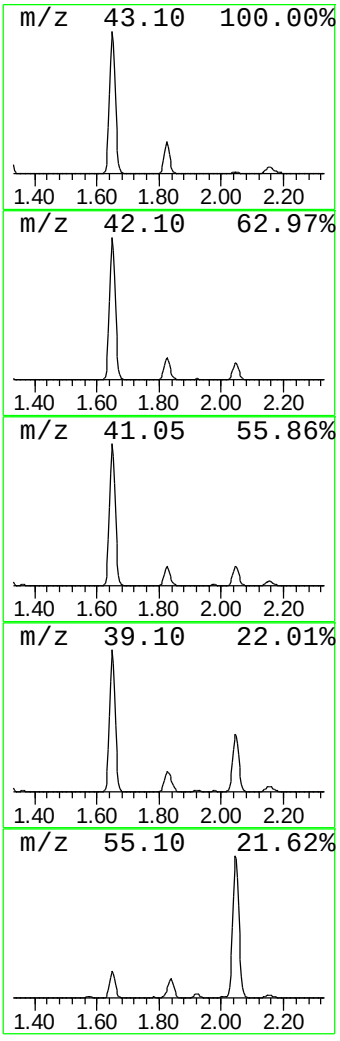
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.83	3.88 ug/L	7742310	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	80
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	38





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

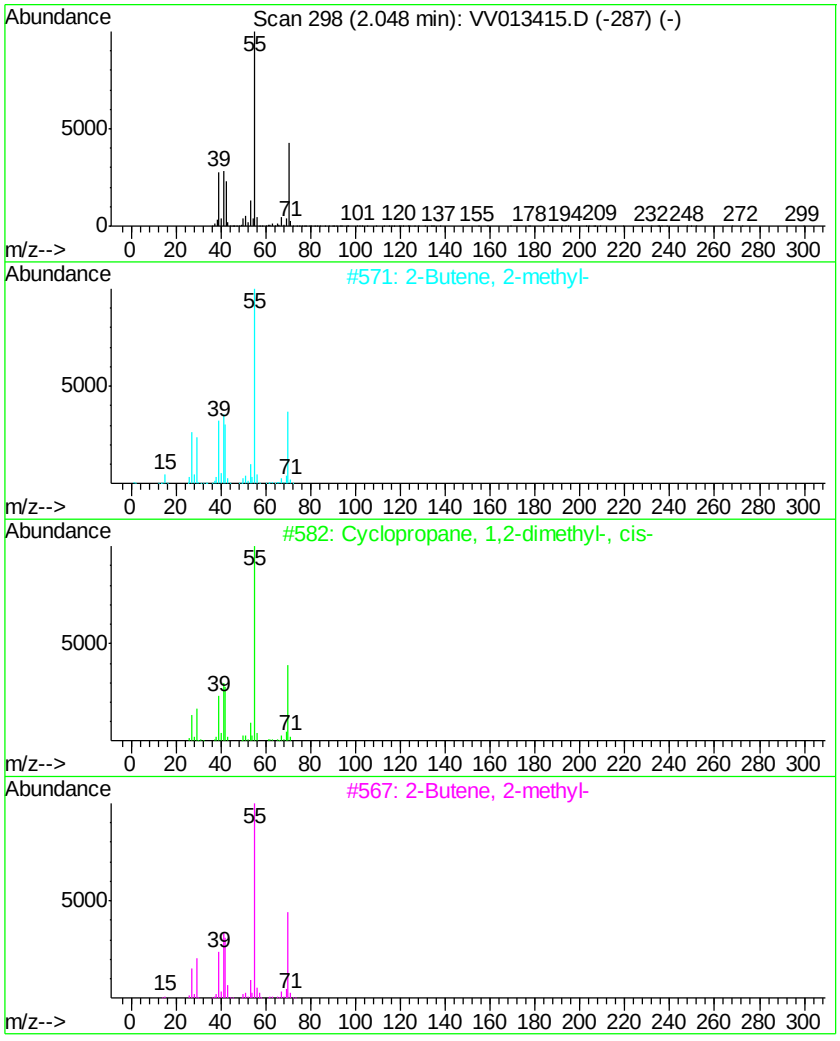
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

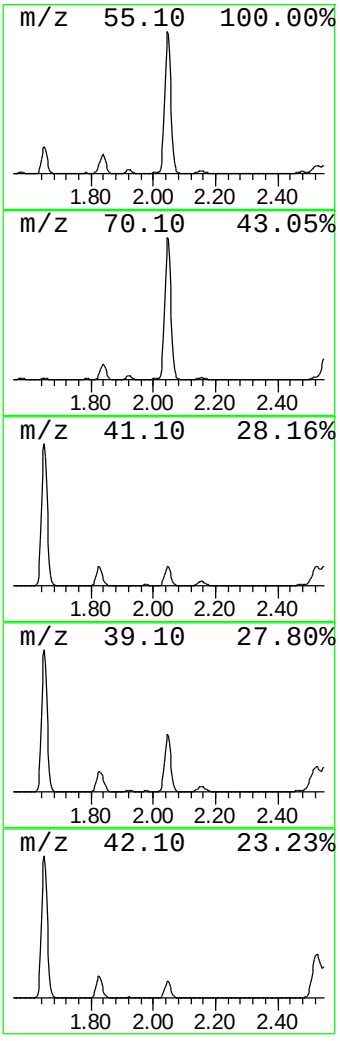
****

Peak Number 4 (DEL) Alkane: Cyclic2.05 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	6.64 ug/L	13265500	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	80
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

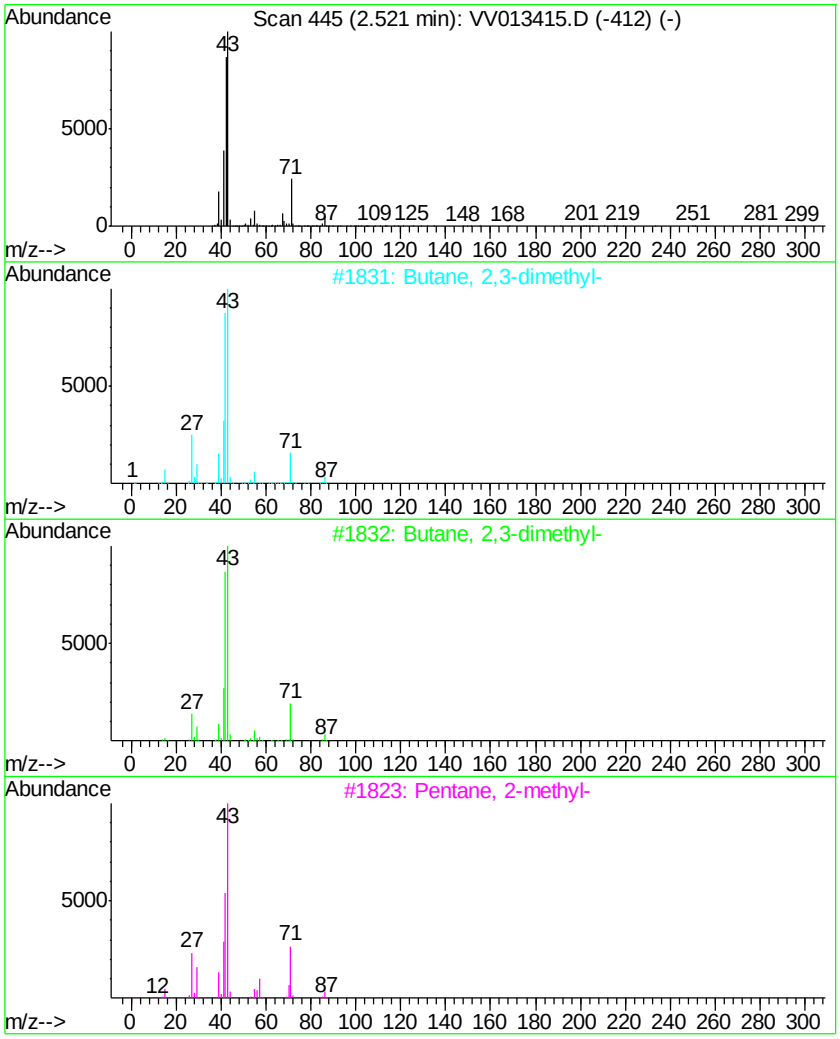
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

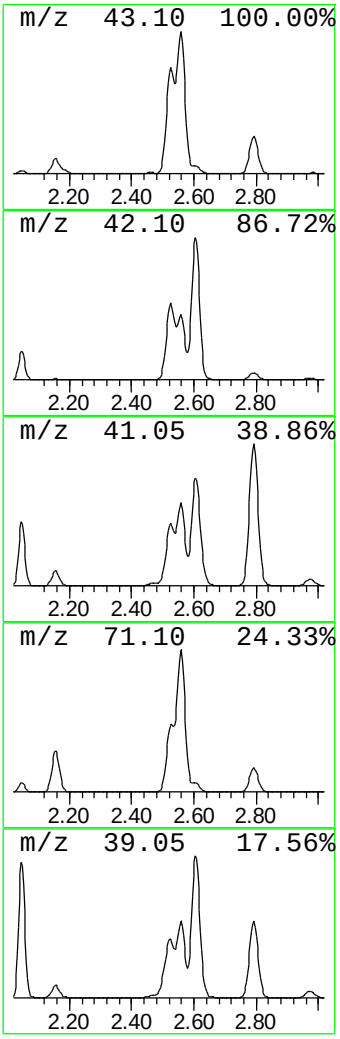
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.52	7.58 ug/L	15141800	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	49





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

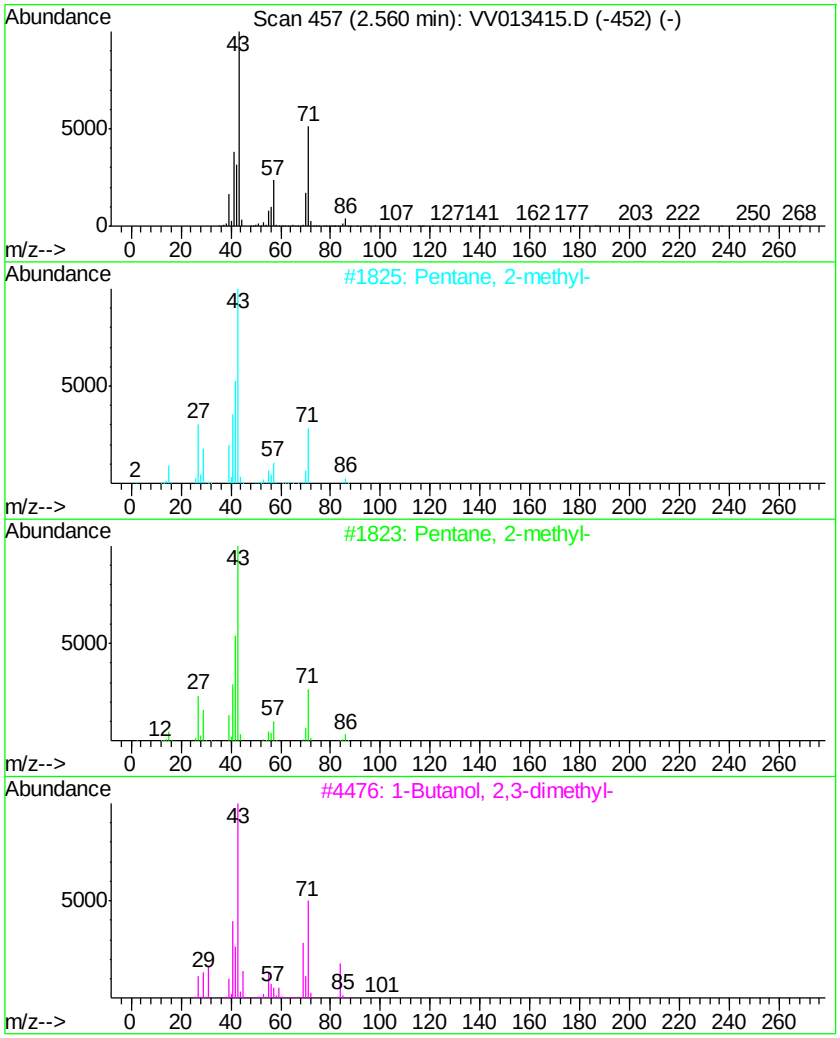
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

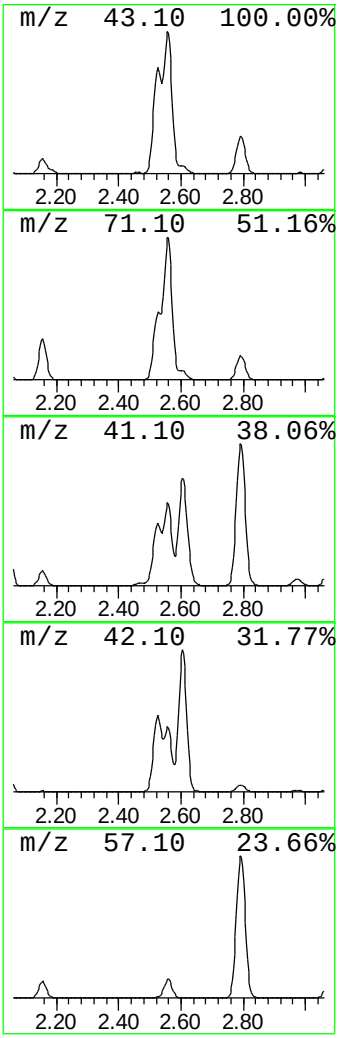
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.56	8.46 ug/L	16891400	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	72
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	43
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	42
5	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	38





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Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

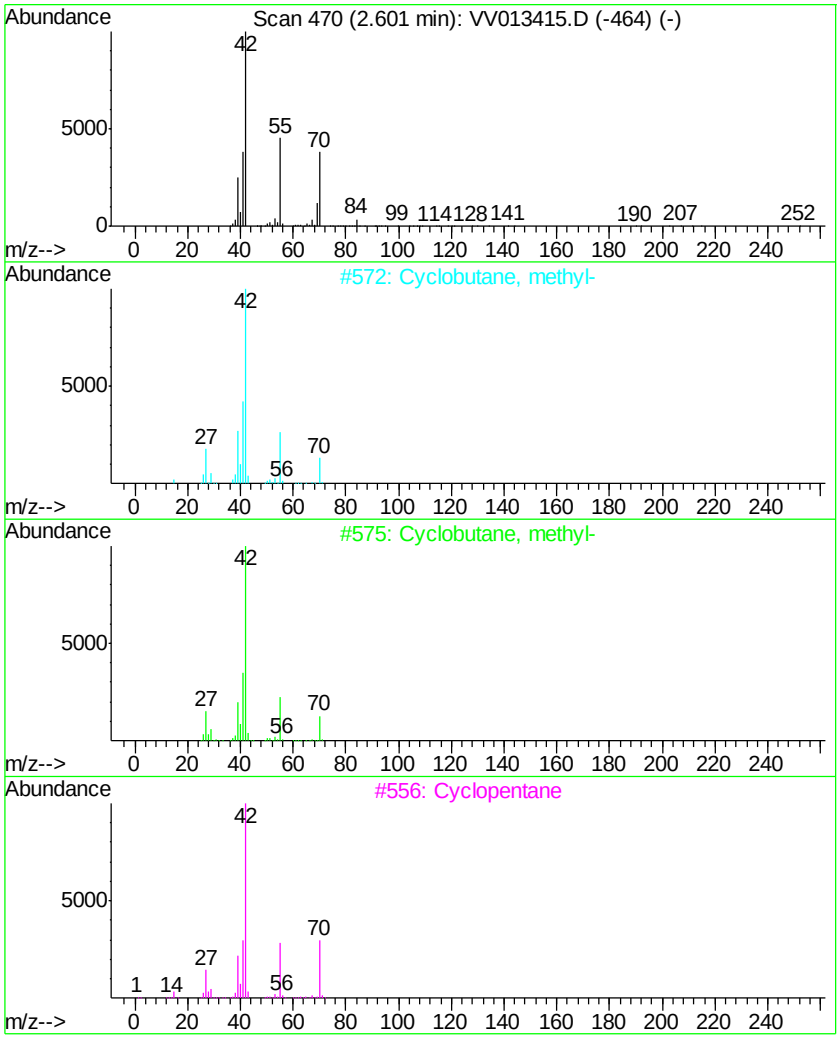
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

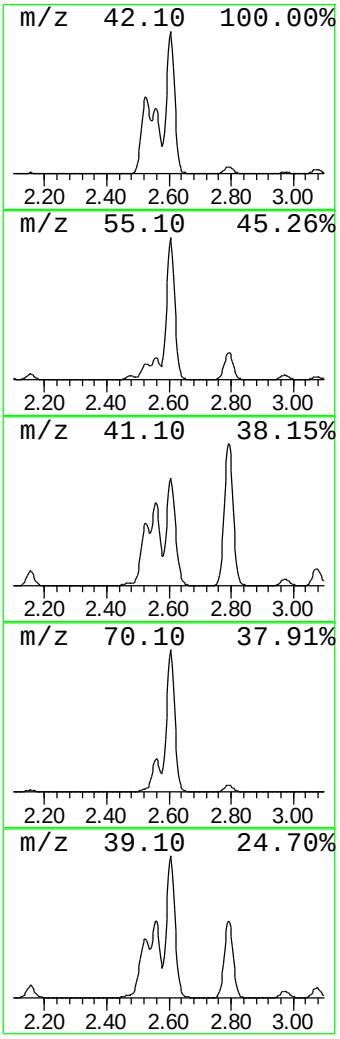
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic2.60 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	11.21 ug/L	22382900	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
3	Cyclopentane	70	C5H10	000287-92-3	72
4	Cyclopentane	70	C5H10	000287-92-3	56
5	1-Pentene	70	C5H10	000109-67-1	50





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Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

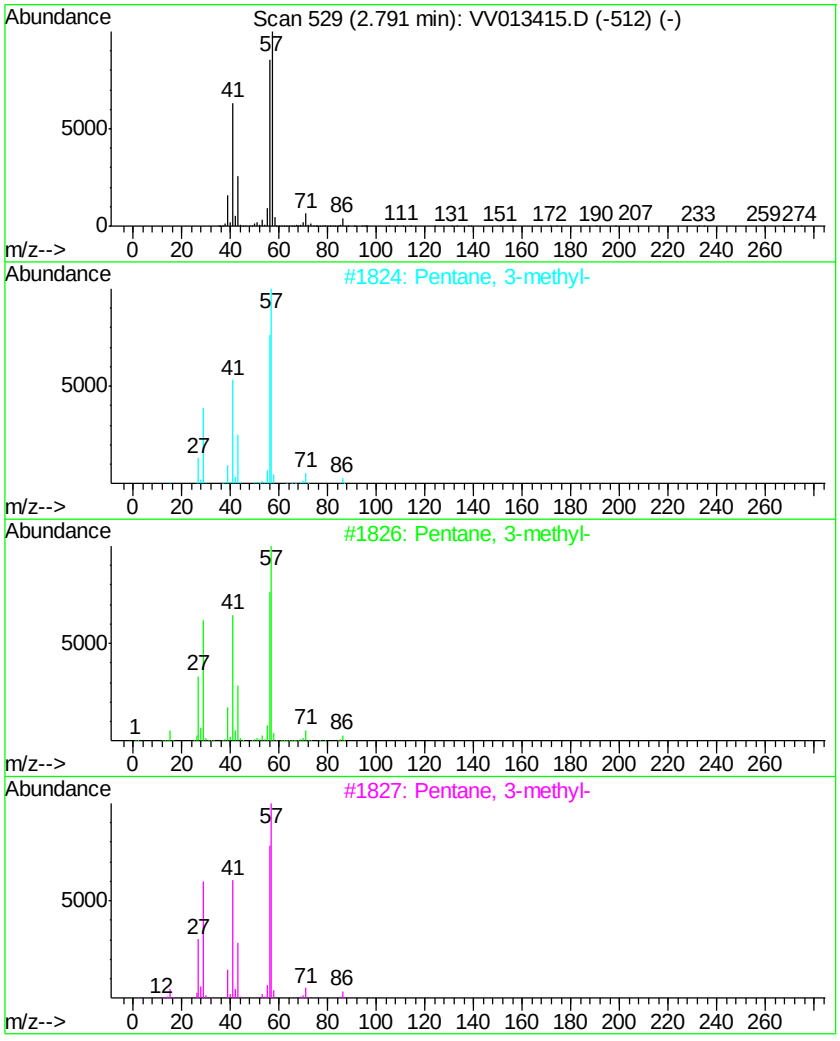
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

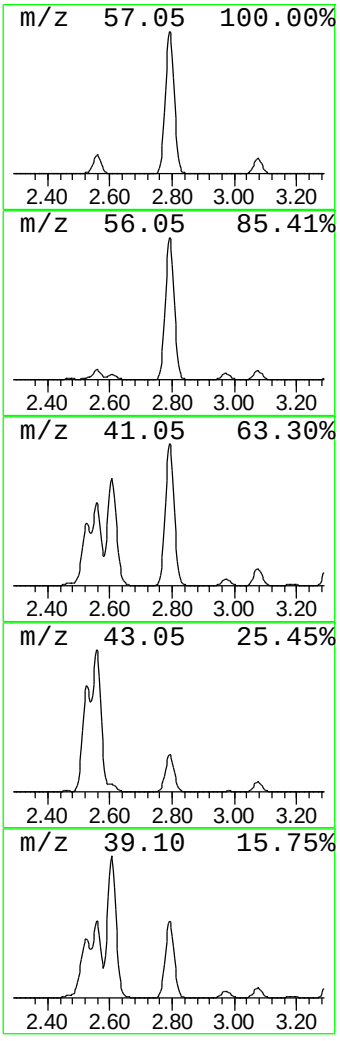
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	11.63 ug/L	23223300	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	64
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64





Library Search Compound Report

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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

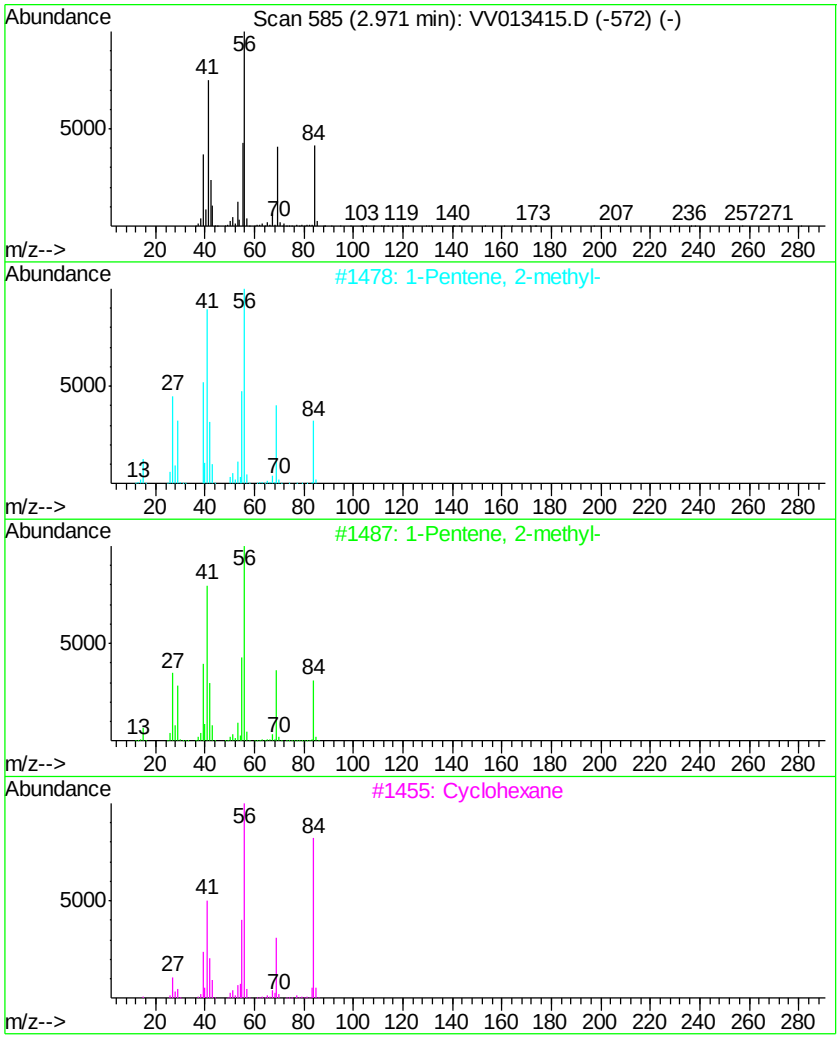
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

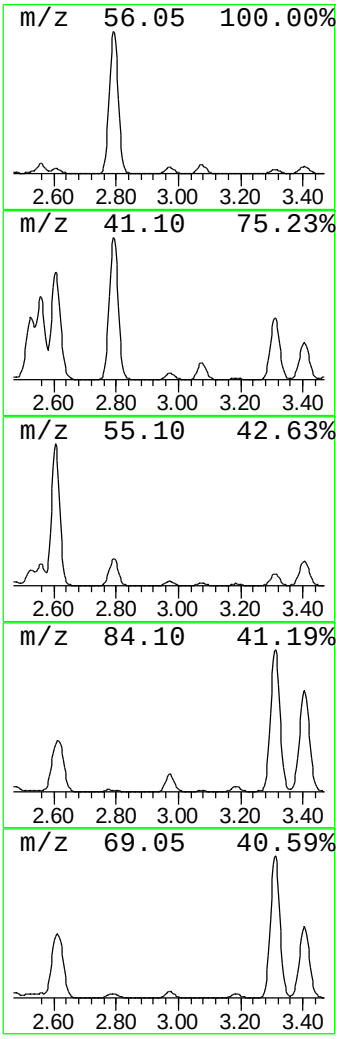
****

Peak Number 9 (DEL) Alkane: Cyclic2.97 Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	0.57 ug/L	1130160	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
3	Cyclohexane	84	C6H12	000110-82-7	90
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
5	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	72





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Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

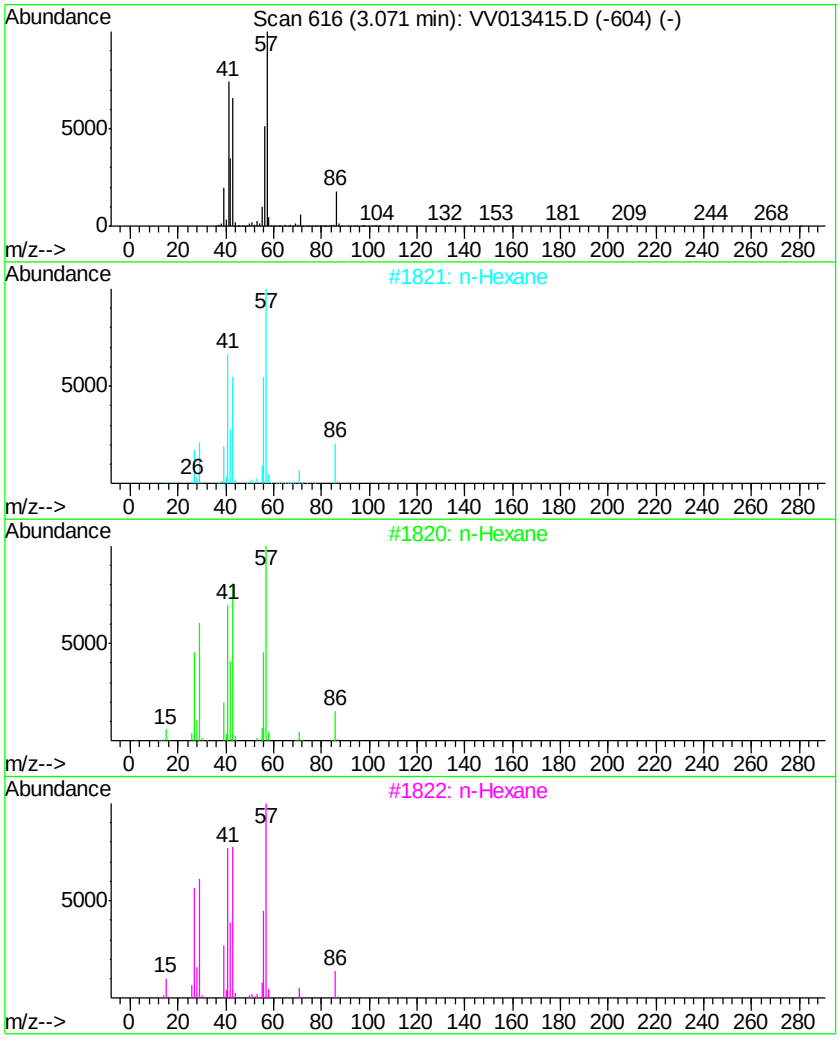
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

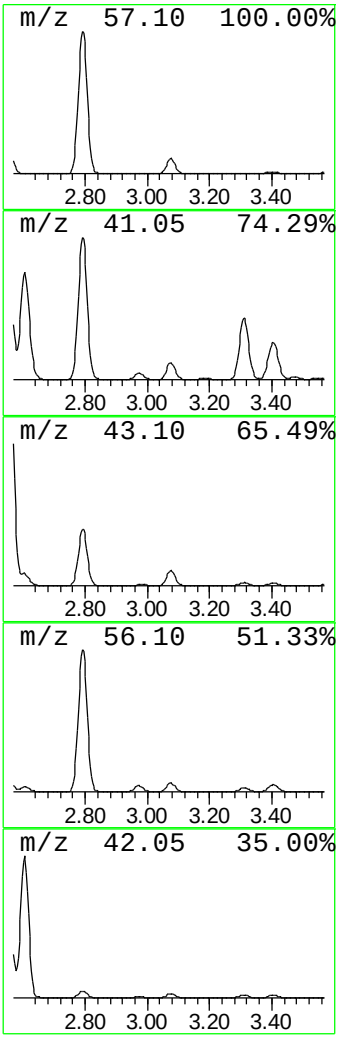
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	1.40 ug/L	2802780	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	78
4	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	50
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	47





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

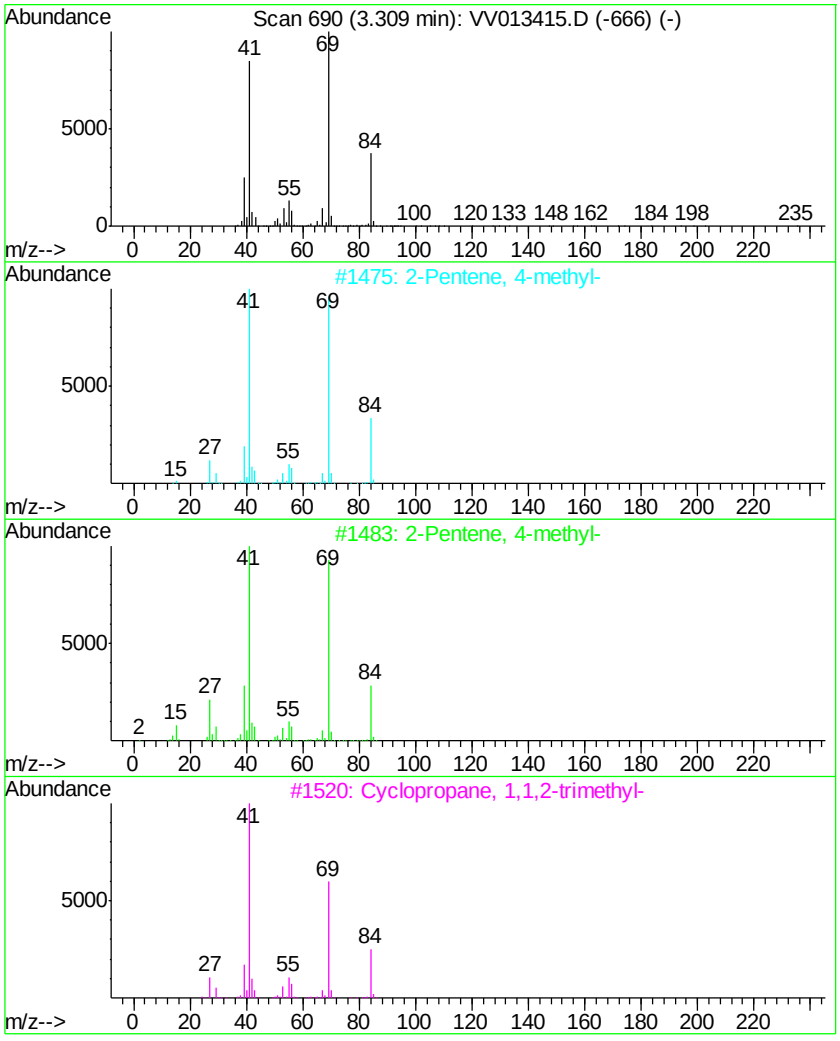
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

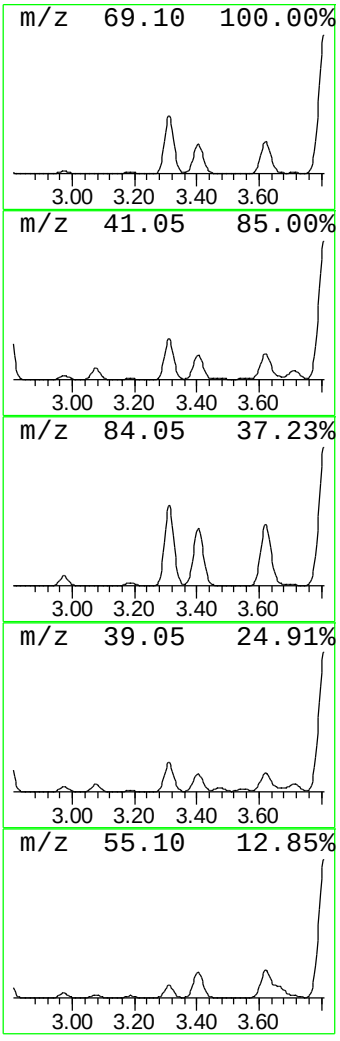
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic3.31 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.31	3.93 ug/L	7851240	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91
2	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91
3	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	91
4	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91





Library Search Compound Report

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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

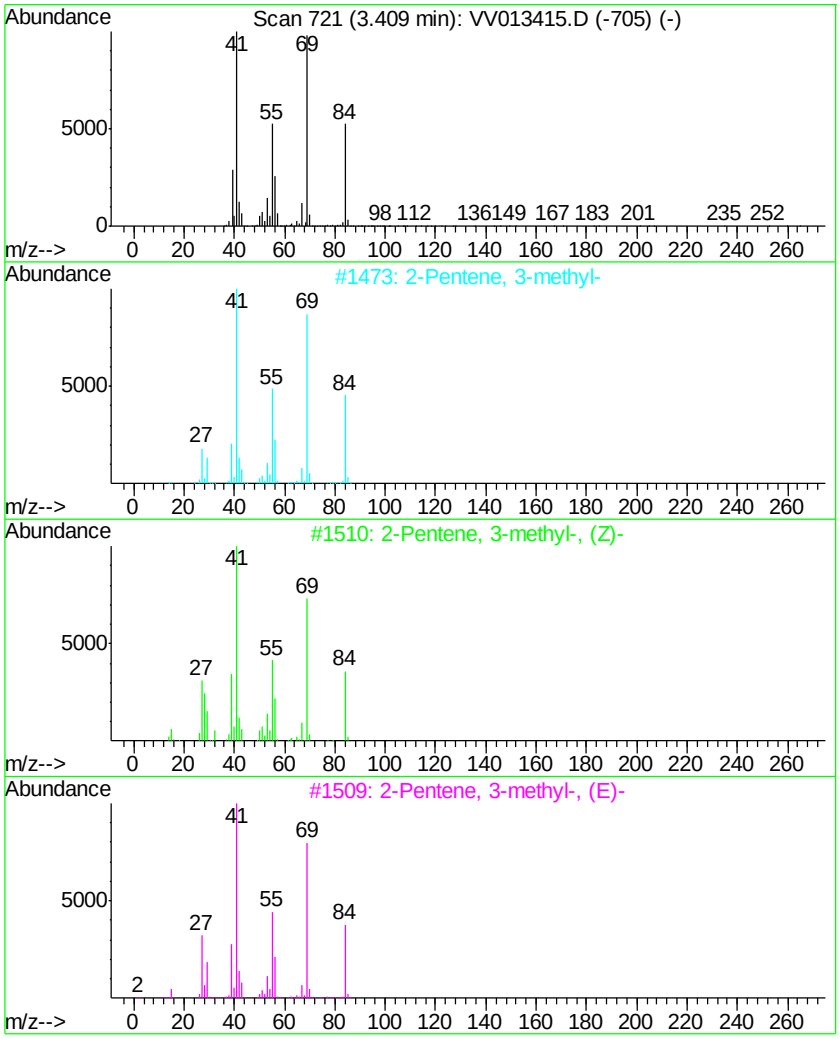
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

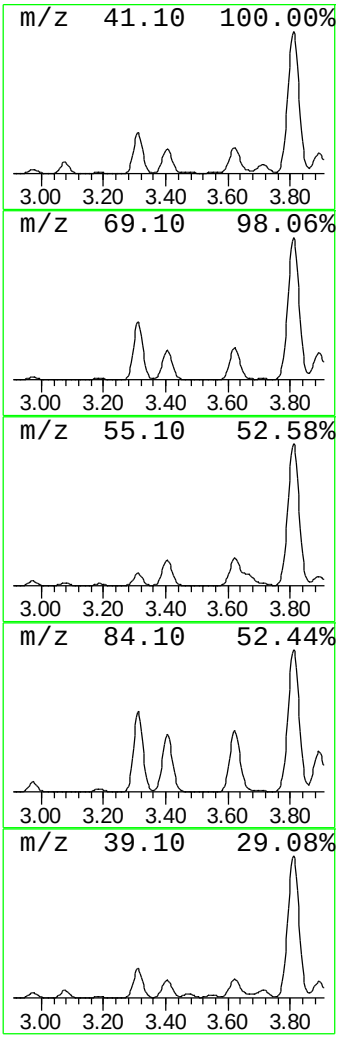
****

Peak Number 12 (DEL) Alkane: Cyclic3.41 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.41	2.97 ug/L	5933180	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	95
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	95
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	94
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	94





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Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

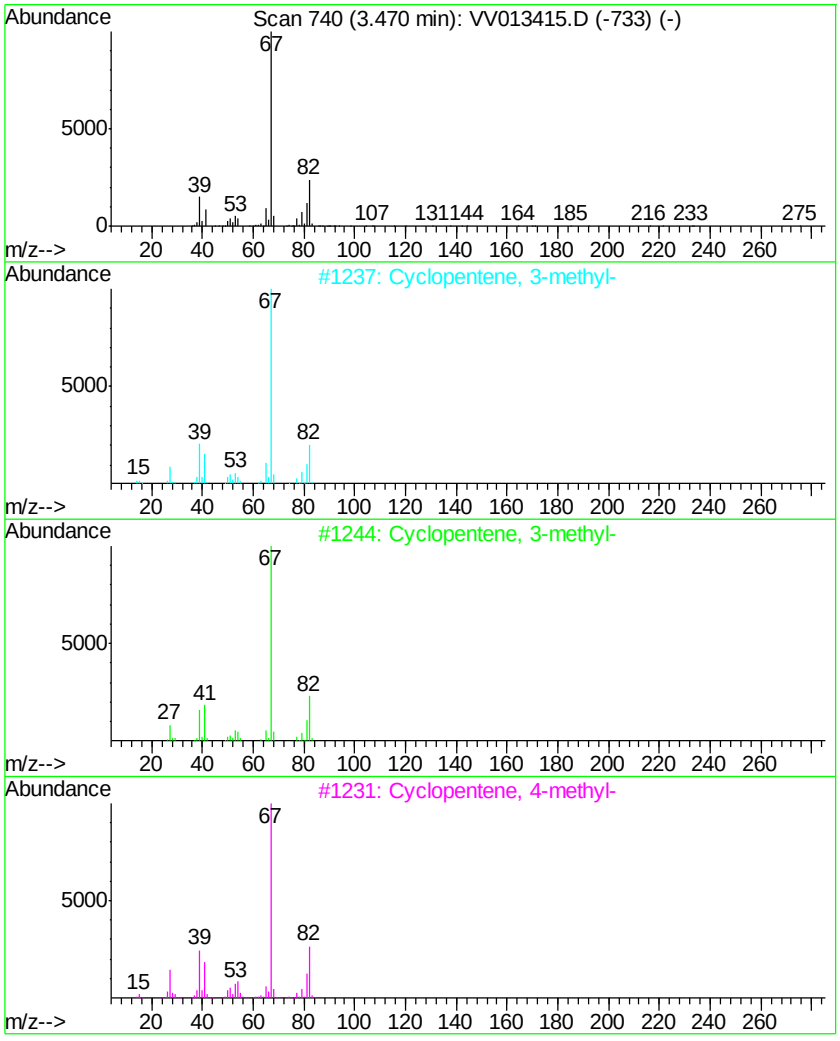
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

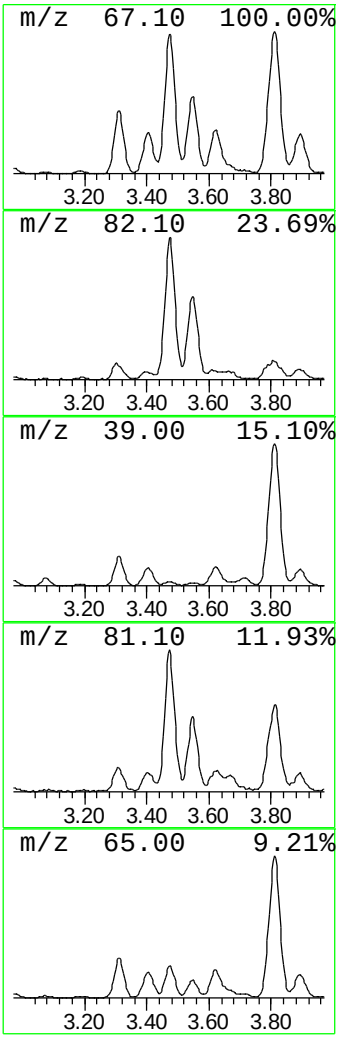
****

Peak Number 13 Cyclopentene, 3-methyl- Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.47	0.55 ug/L	1098000	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
3	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87





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Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

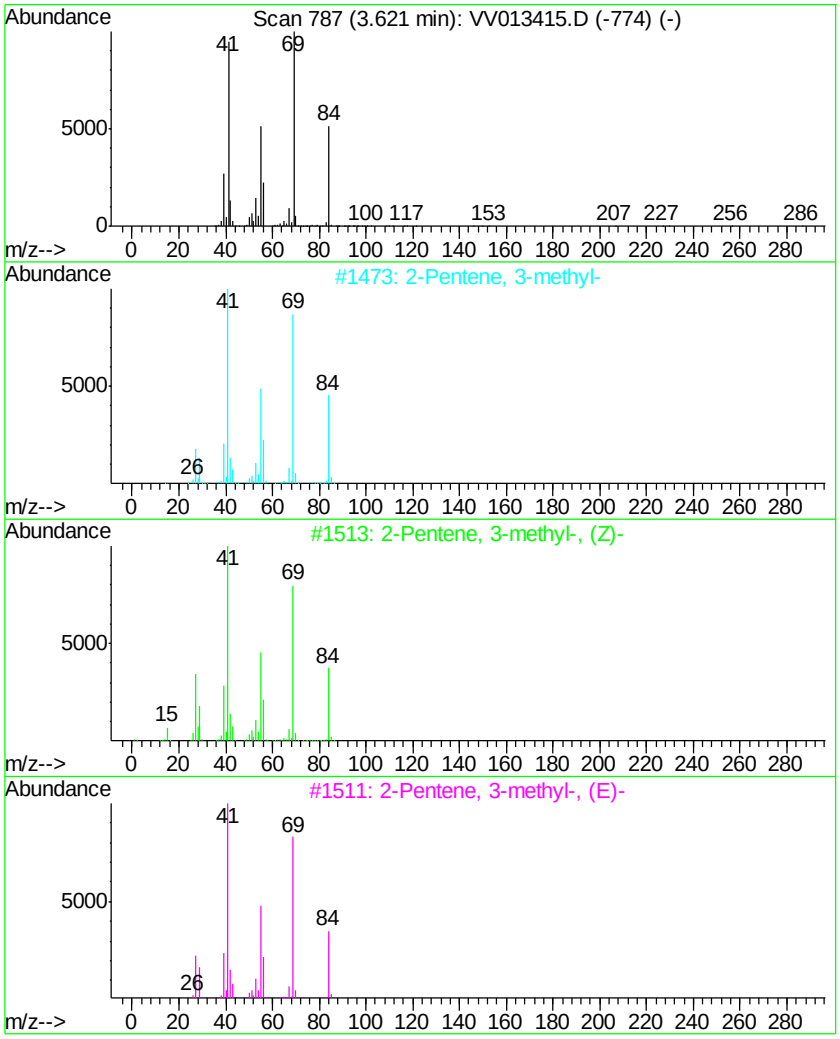
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

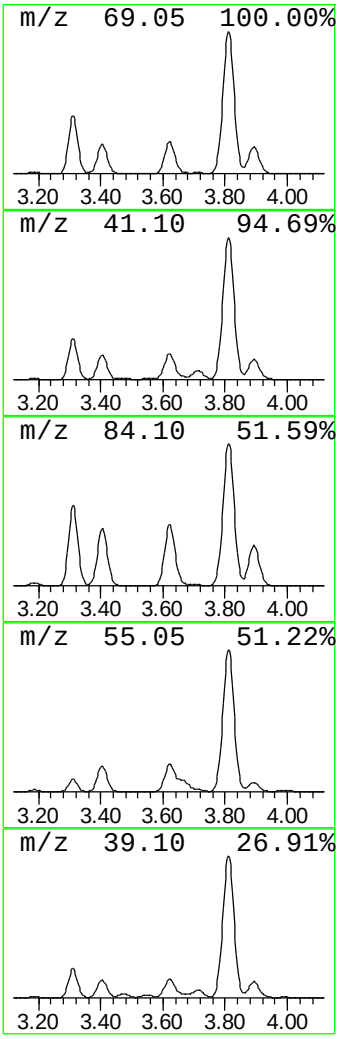
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic3.62 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	3.70 ug/L	7394090	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	94
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
5	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	91





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Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

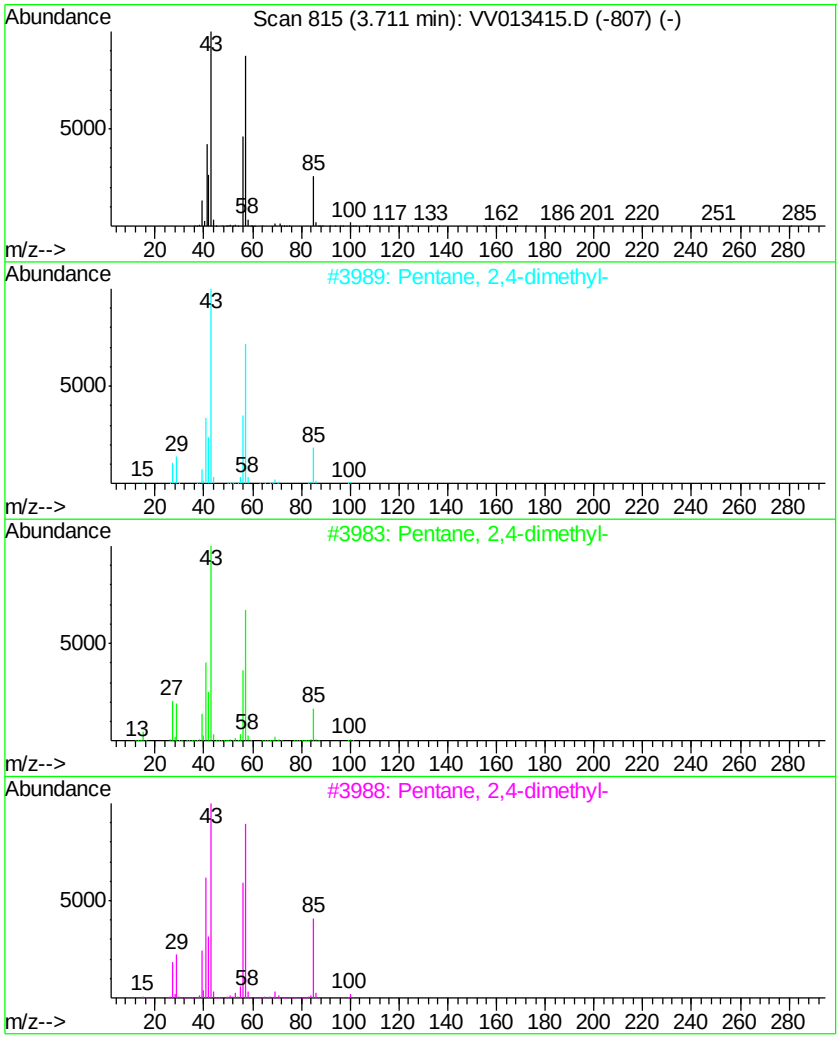
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

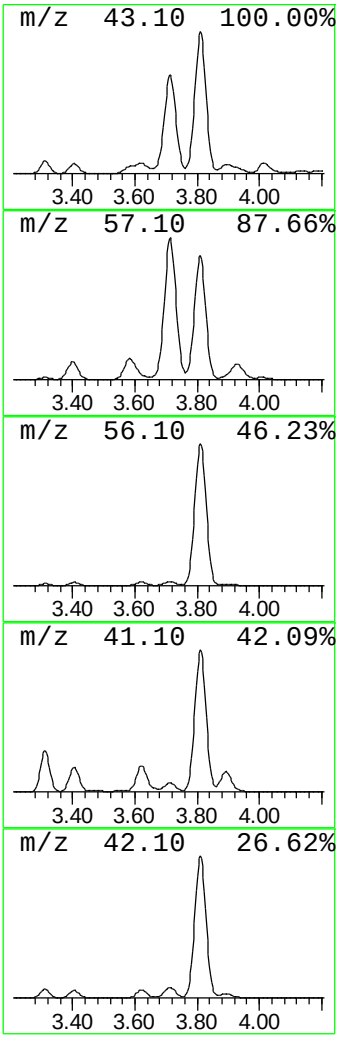
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	1.81 ug/L	3617190	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	80
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





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Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

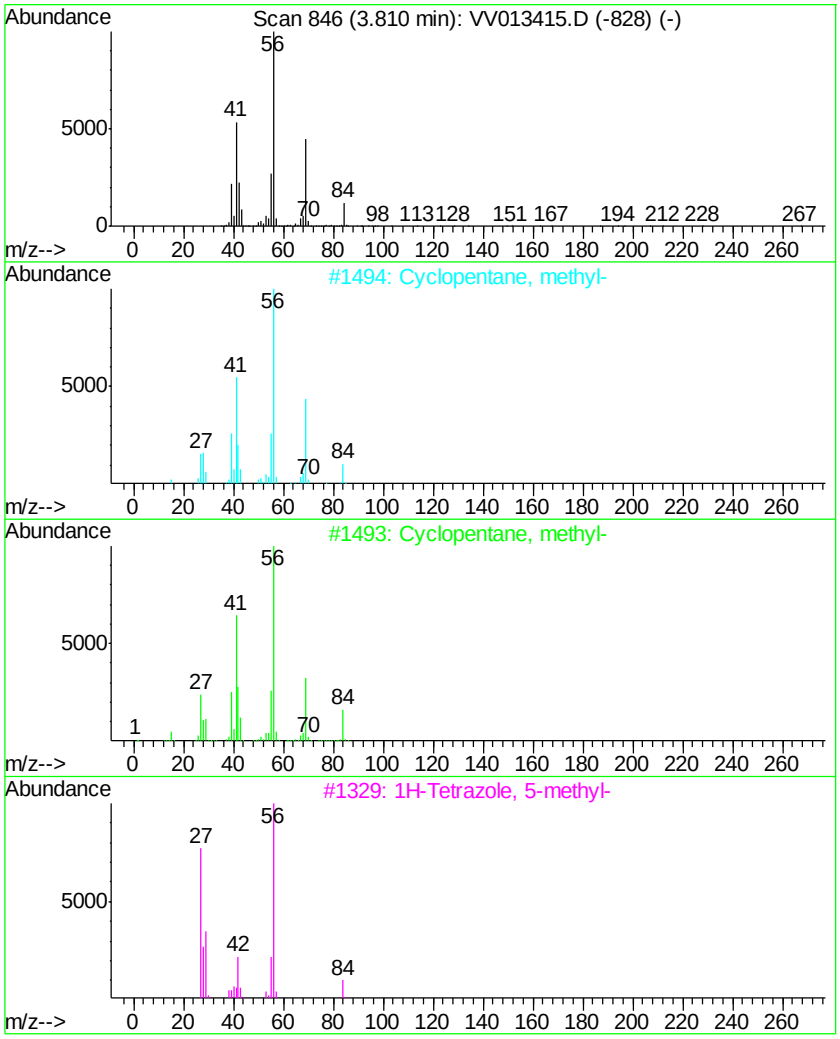
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

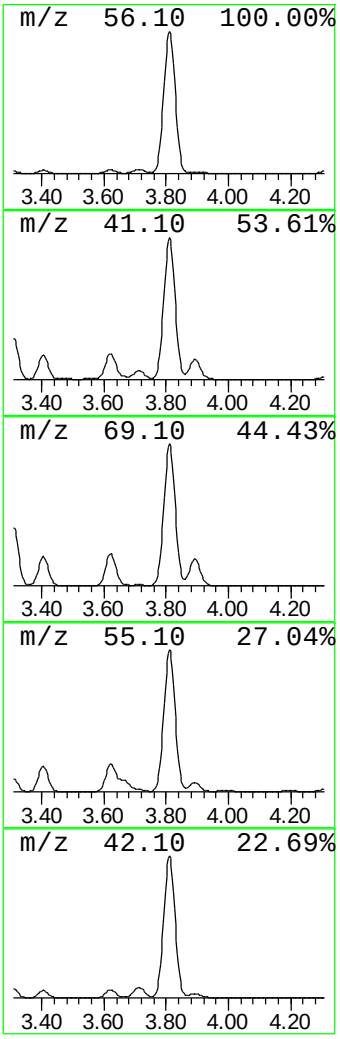
****

Peak Number 16 (DEL) Alkane: Cyclic3.81 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.81	26.09 ug/L	52080100	1,4-Difluorobenzene	5.66

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	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	64





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

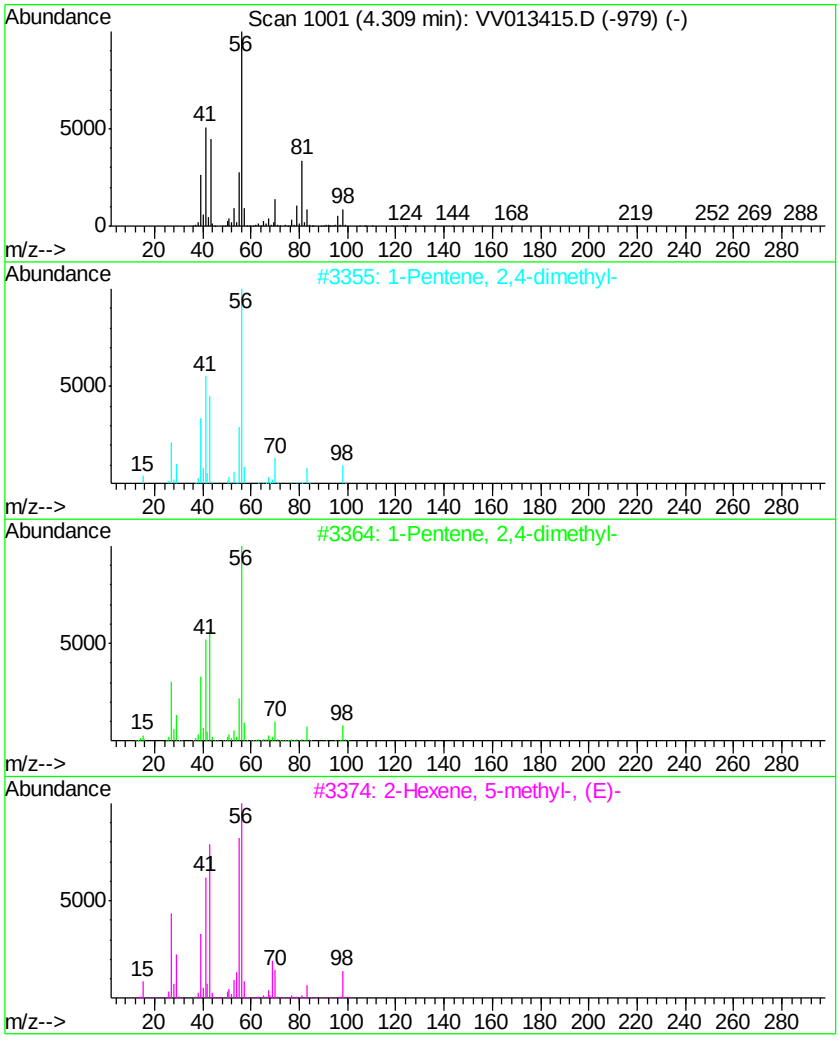
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

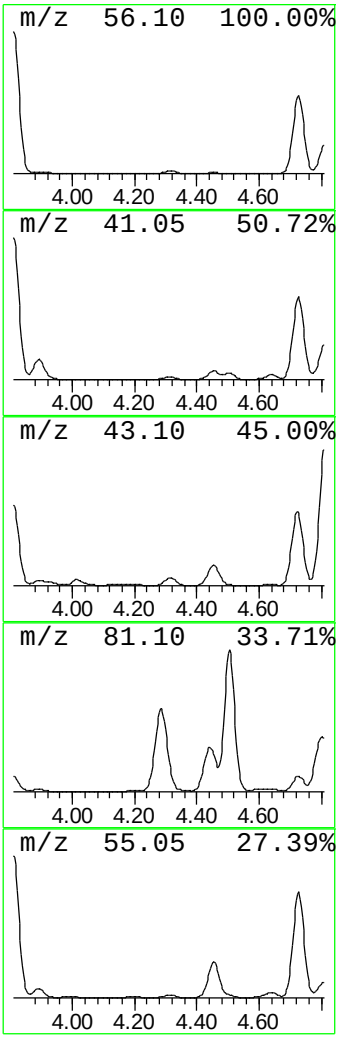
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic4.31 Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.31	0.78 ug/L	1547470	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	87
2	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	87
3	2-Hexene, 5-methyl-, (E)-	98	C7H14	007385-82-2	80
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	72
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

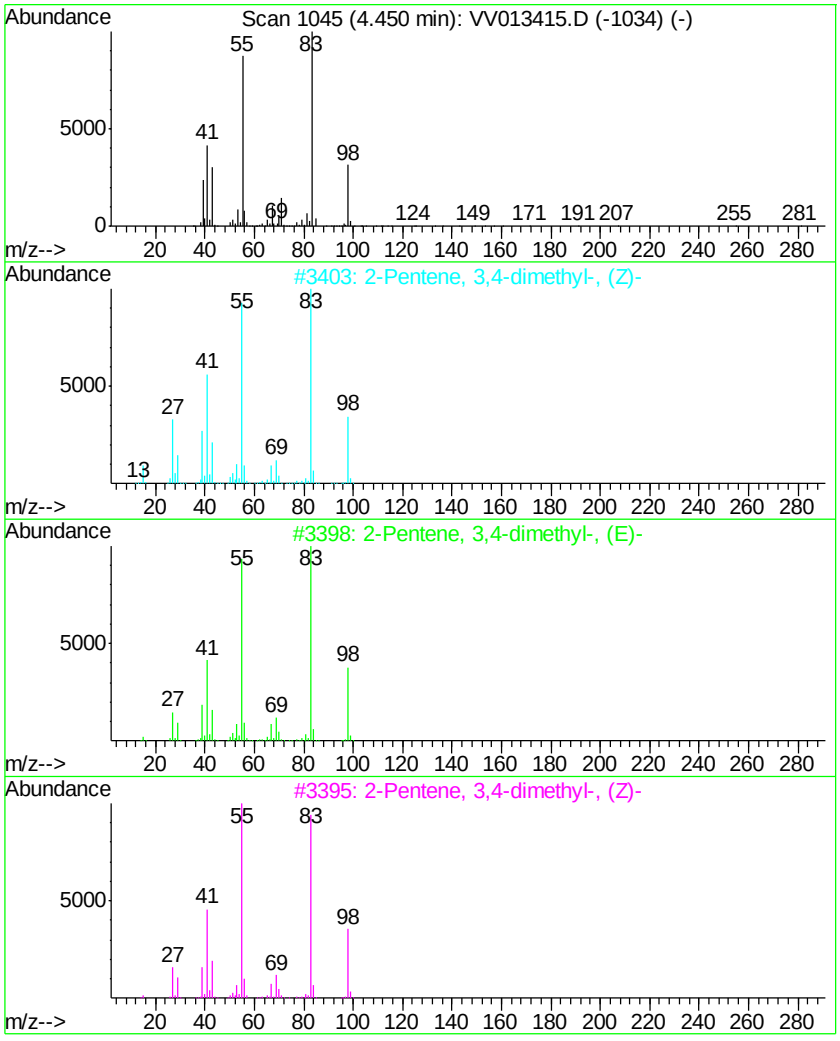
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

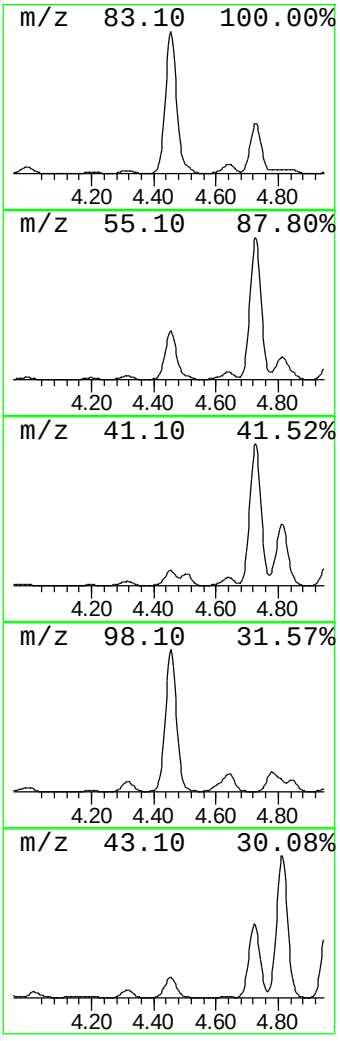
****

Peak Number 18 (DEL) Alkane: Cyclic4.45 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.45	1.85 ug/L	3697800	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	87
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	87
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	83
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	83
5	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

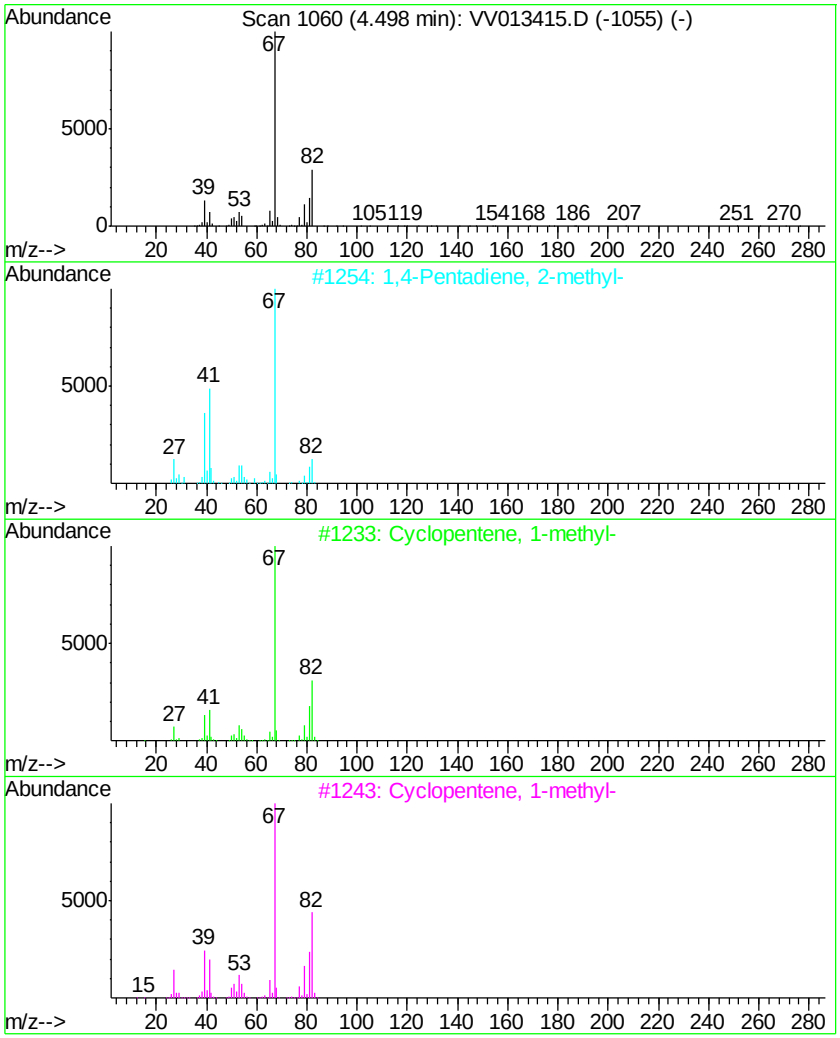
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

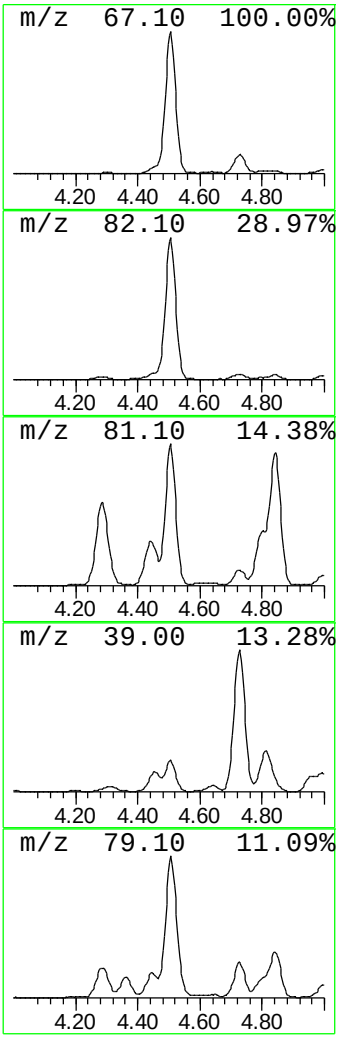
****

Peak Number 19 1,4-Pentadiene, 2-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.50	2.98 ug/L	5946260	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	91
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
4	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

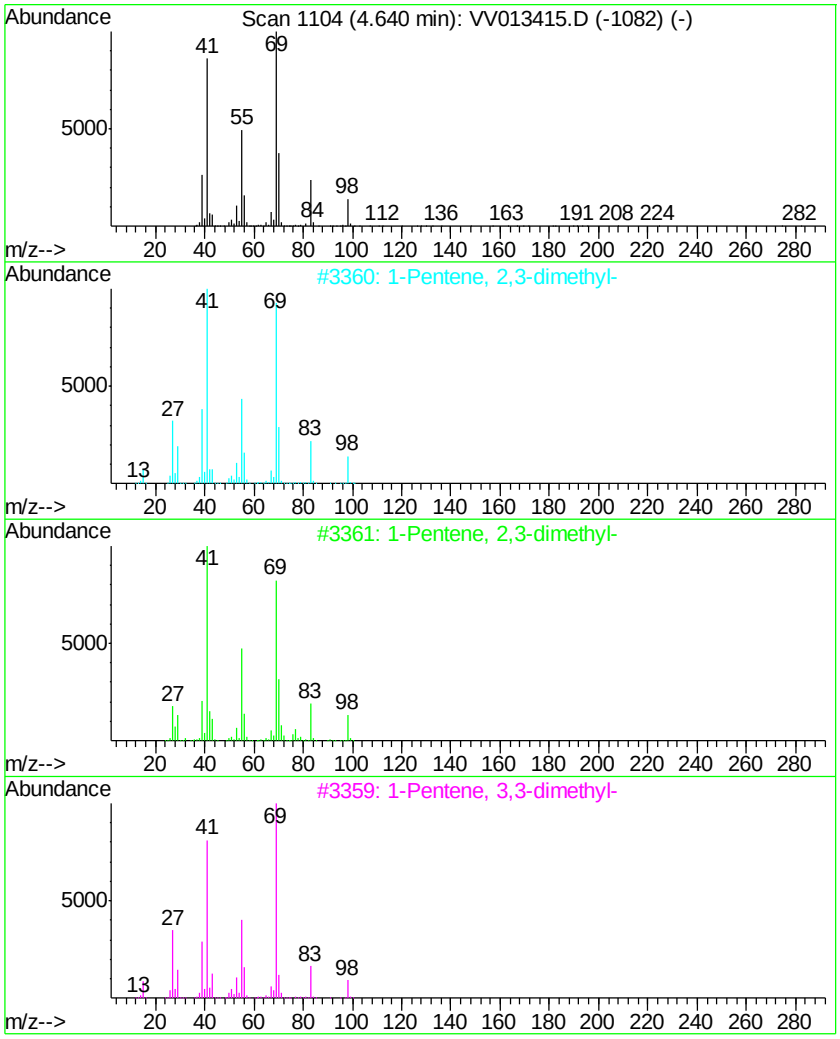
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

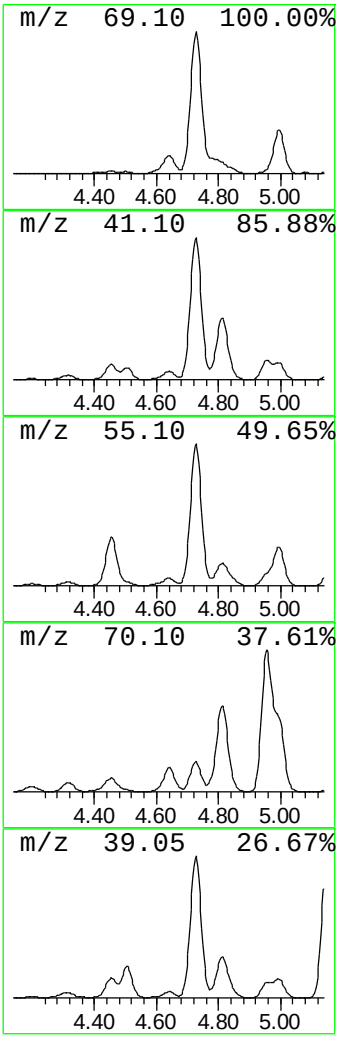
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic4.64 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.64	0.74 ug/L	1472880	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	91
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	91
3	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	90
4	1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	86
5	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

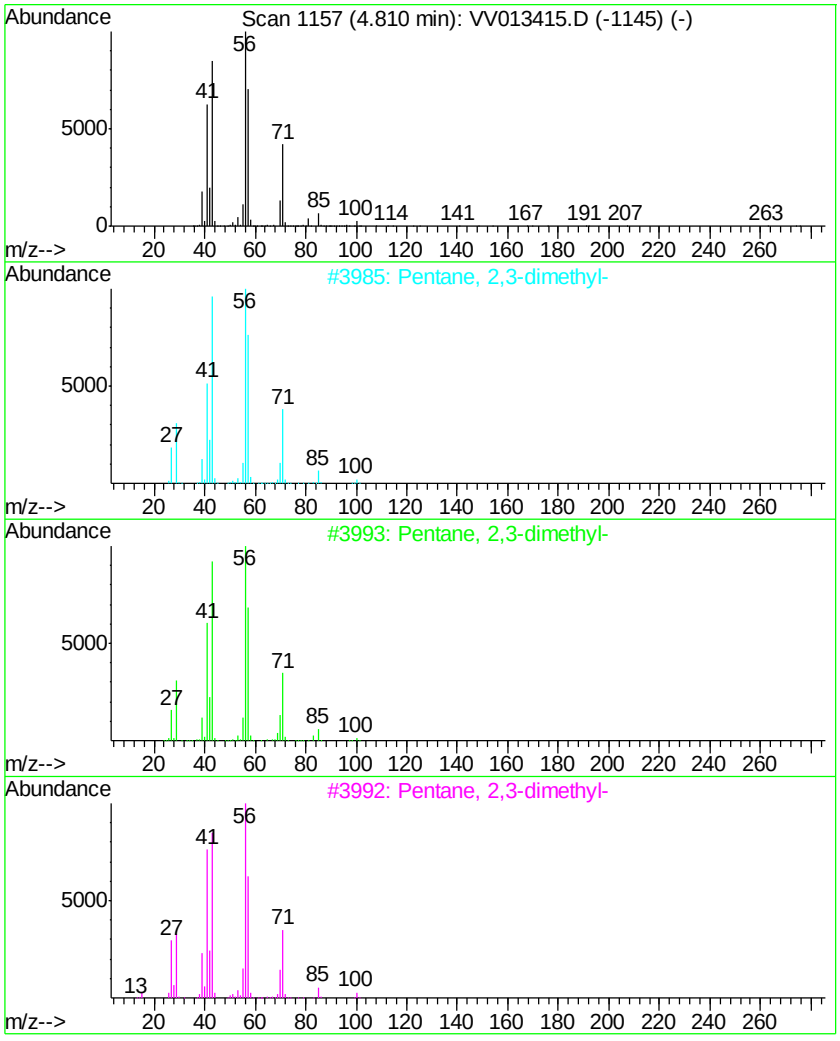
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

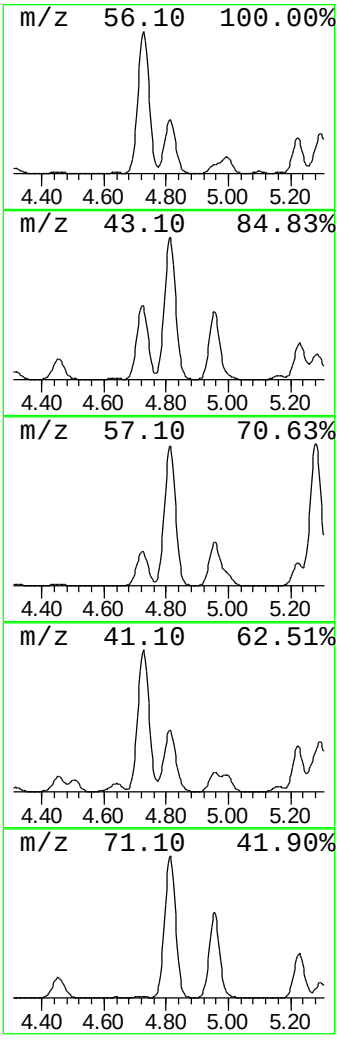
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	8.20 ug/L	16363000	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

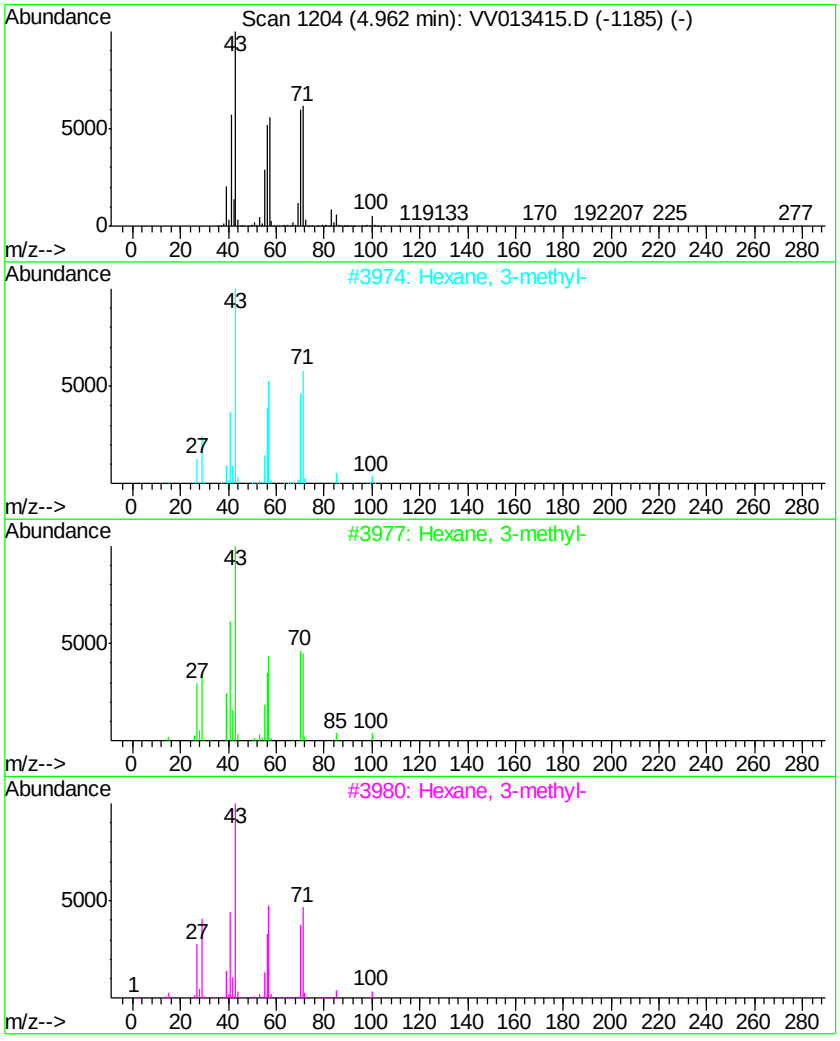
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

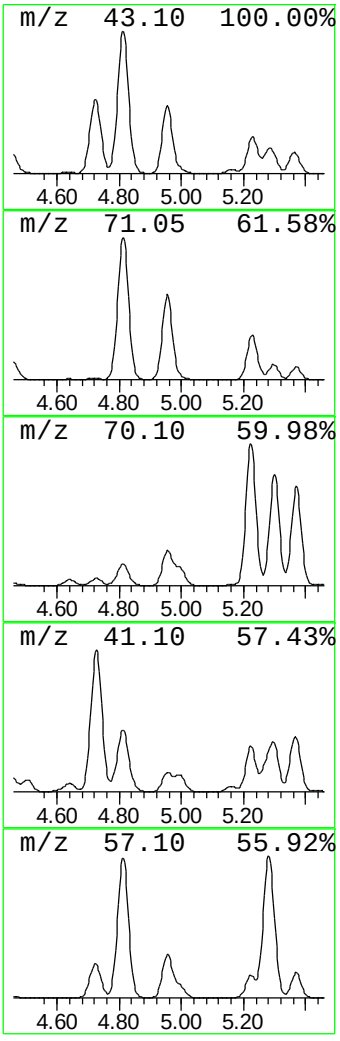
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	2.61 ug/L	5215660	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

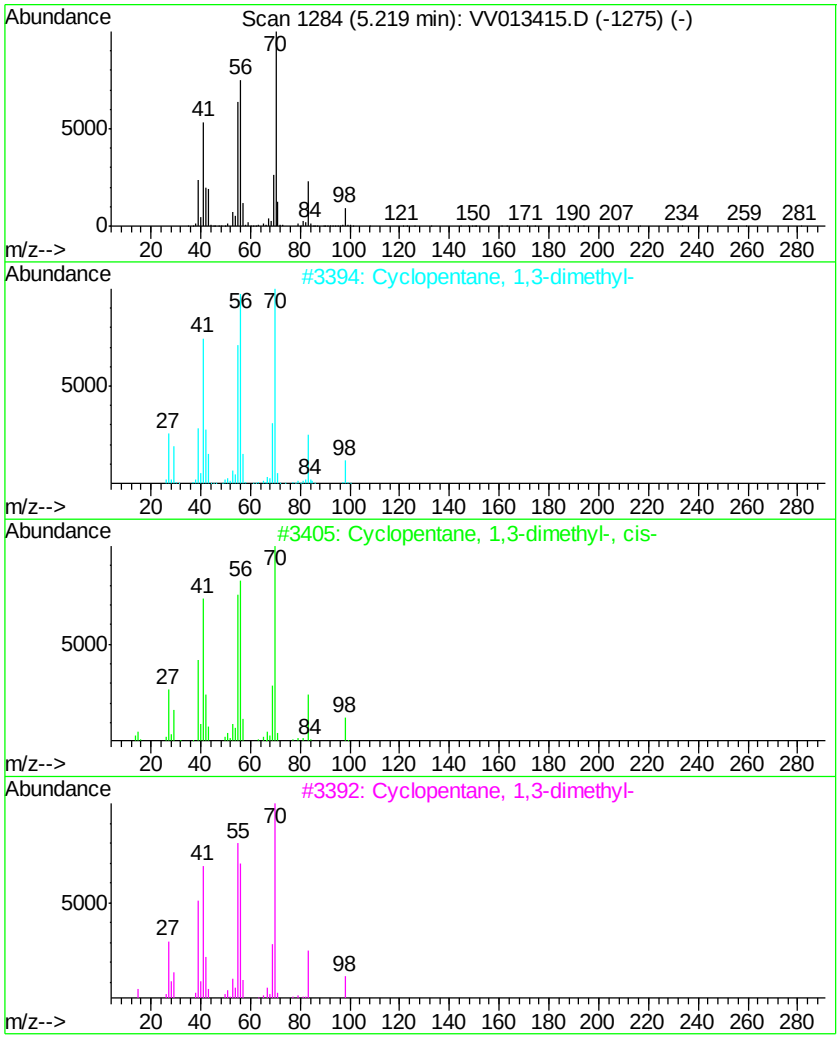
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

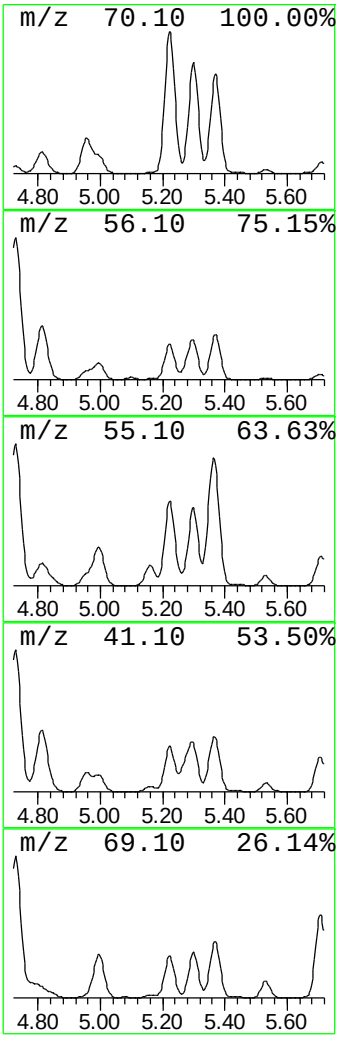
****

Peak Number 23 (DEL) Alkane: Cyclic5.22 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	5.11 ug/L	10202600	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	95
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	81
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

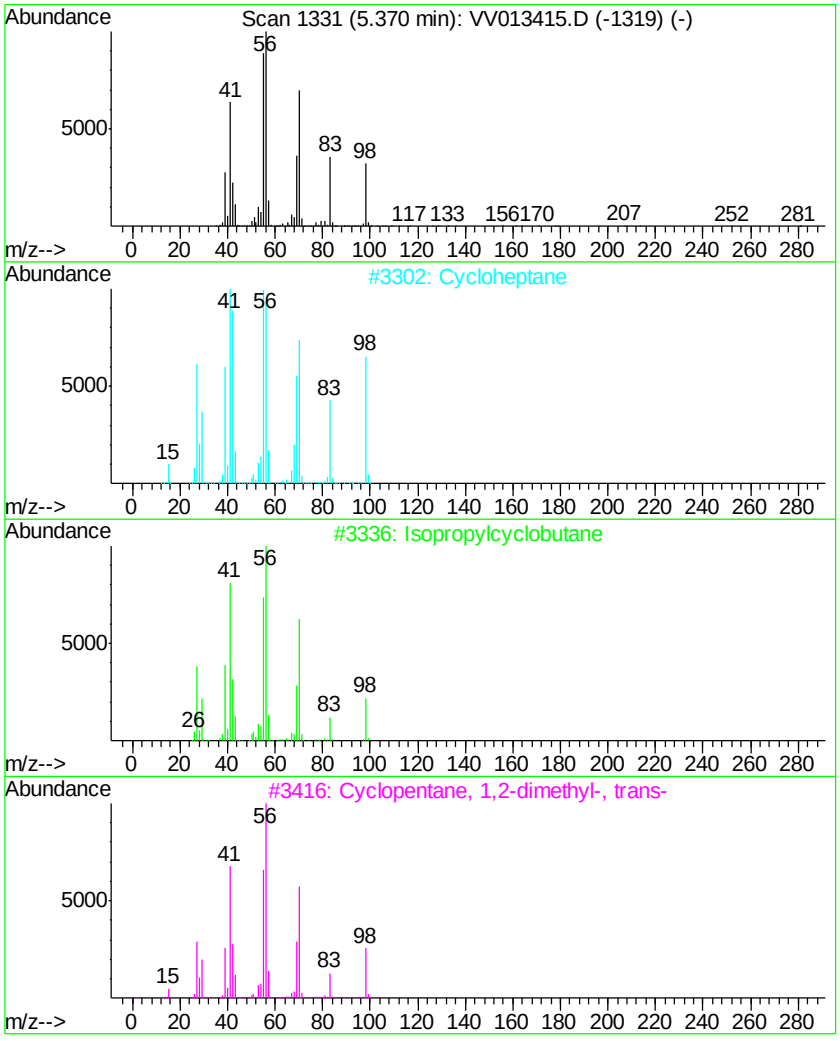
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

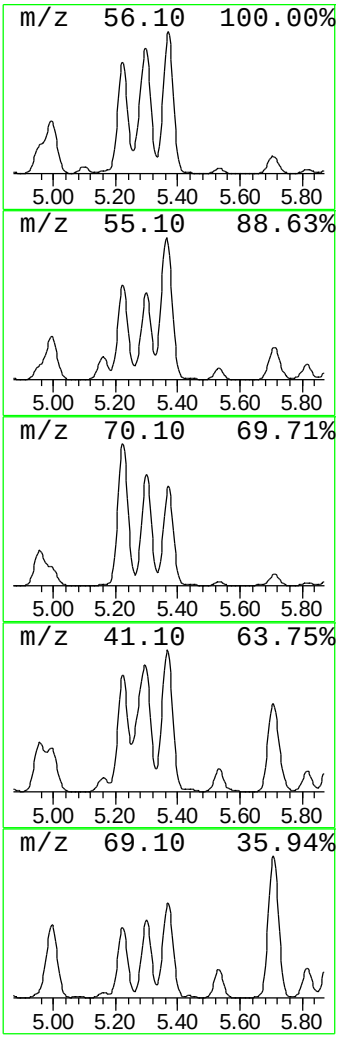
****

Peak Number 24 (DEL) Alkane: Cyclic5.37 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	7.92 ug/L	15810600	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane	98	C7H14	000291-64-5	86
2	Isopropylcyclobutane	98	C7H14	000872-56-0	81
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	76
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

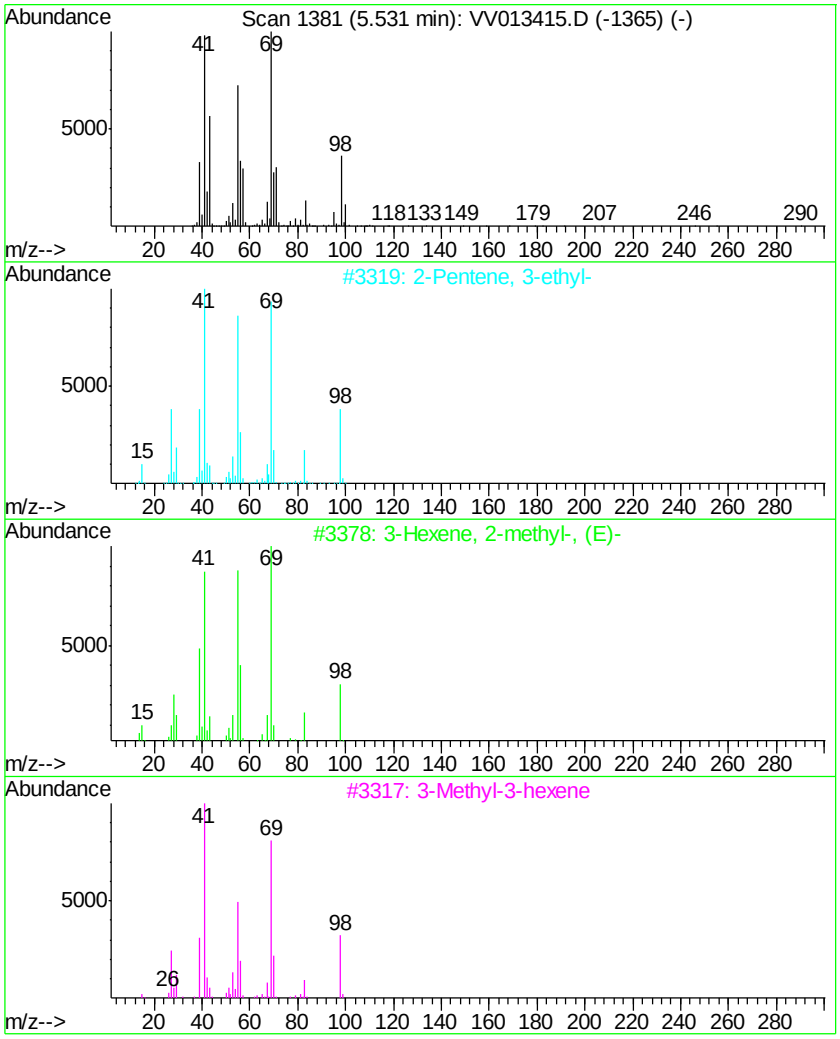
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

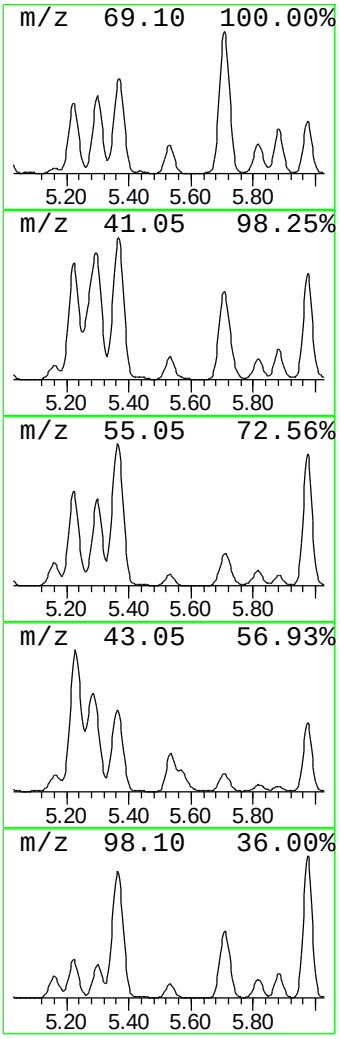
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic5.53 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	0.89 ug/L	1779920	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	76
2	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	76
3	3-Methyl-3-hexene	98	C7H14	003404-65-7	76
4	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	76
5	3-Hexene, 3-methyl-, (E)-	98	C7H14	003899-36-3	70





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

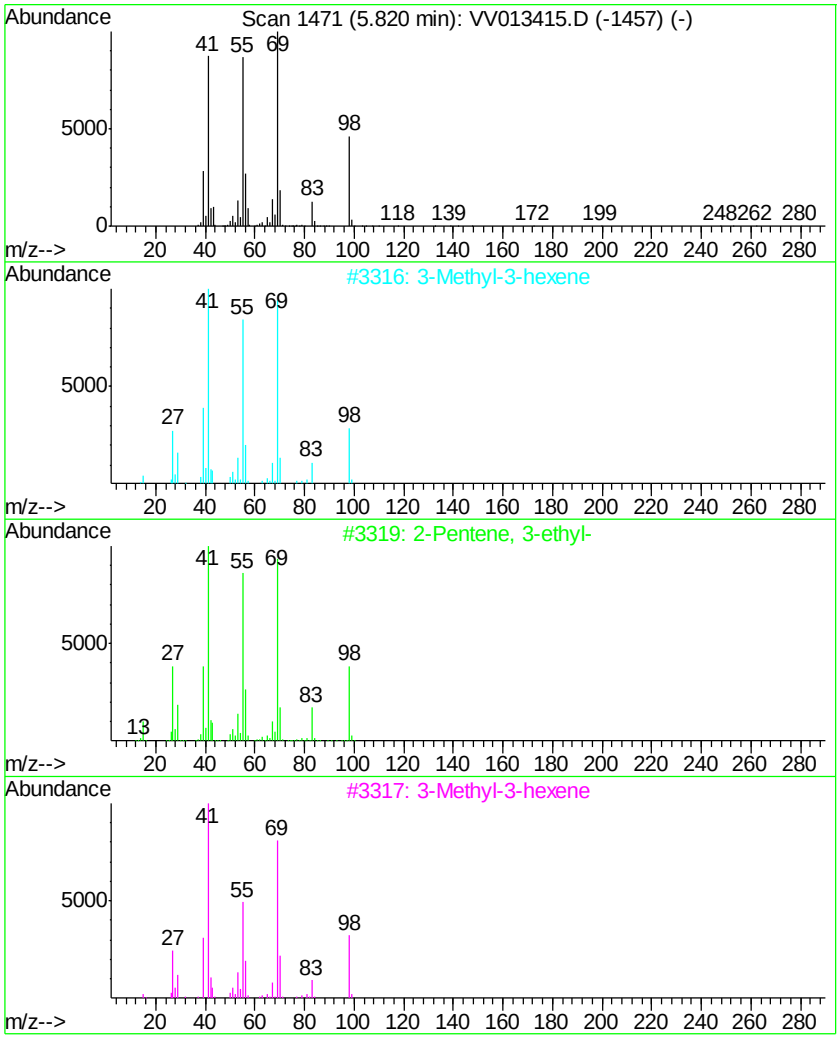
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

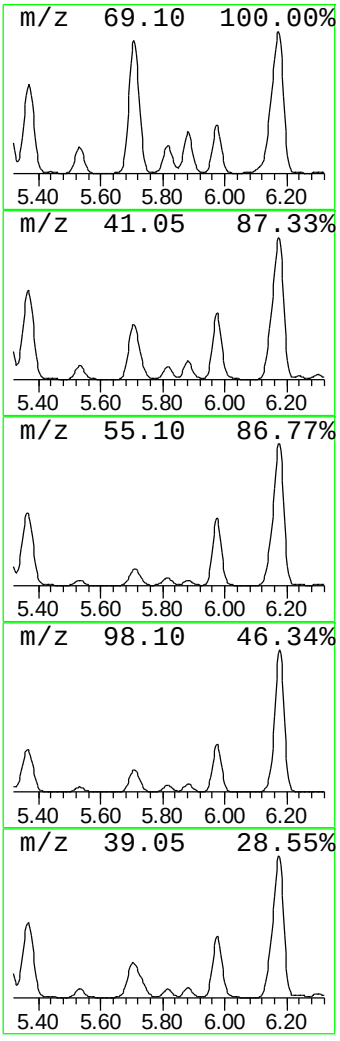
****

Peak Number 26 (DEL) Alkane: Cyclic5.82 Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	0.59 ug/L	1187170	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-3-hexene	98	C7H14	003404-65-7	91
2	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	91
3	3-Methyl-3-hexene	98	C7H14	003404-65-7	90
4	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	90
5	3-Methyl-3-hexene	98	C7H14	003404-65-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

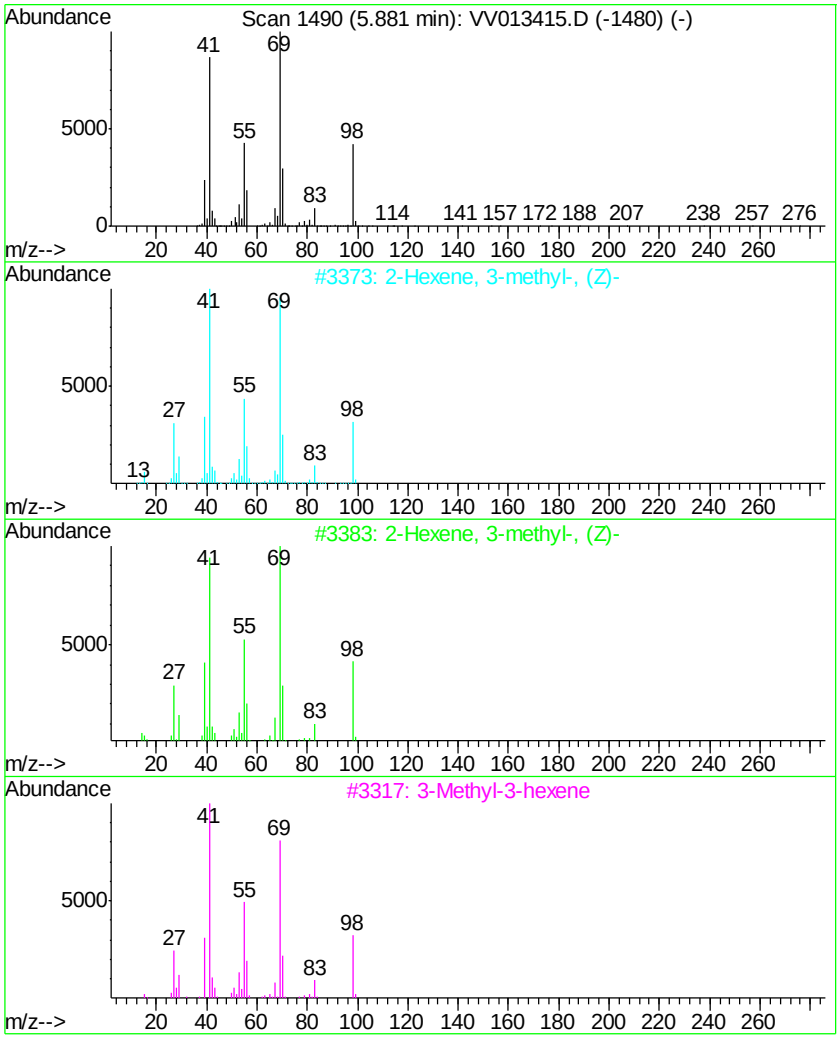
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

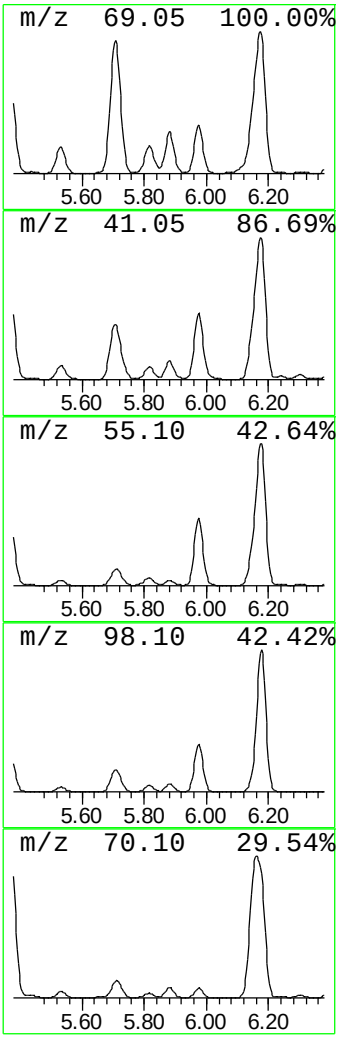
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic5.88 Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.88	0.68 ug/L	1350340	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	94
2	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	91
3	3-Methyl-3-hexene	98	C7H14	003404-65-7	91
4	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	86
5	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	80





Library Search Compound Report

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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

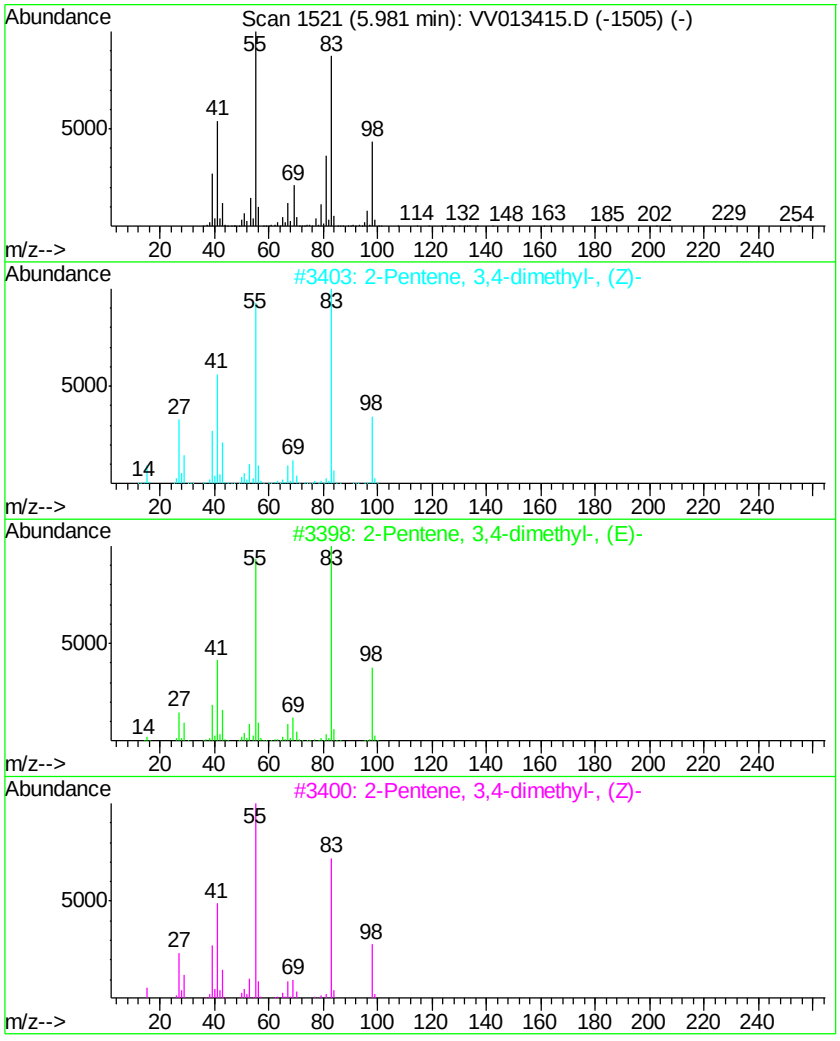
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

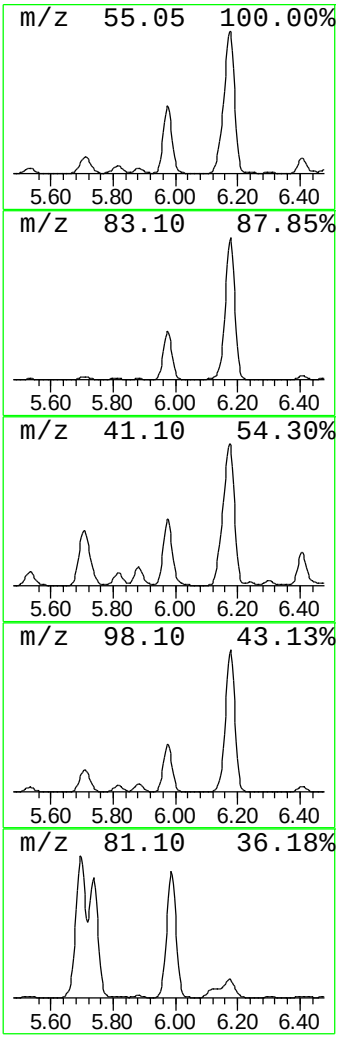
****

Peak Number 28 (DEL) Alkane: Cyclic5.98 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	5.28 ug/L	10538600	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
3	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	90
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
5	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	87





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

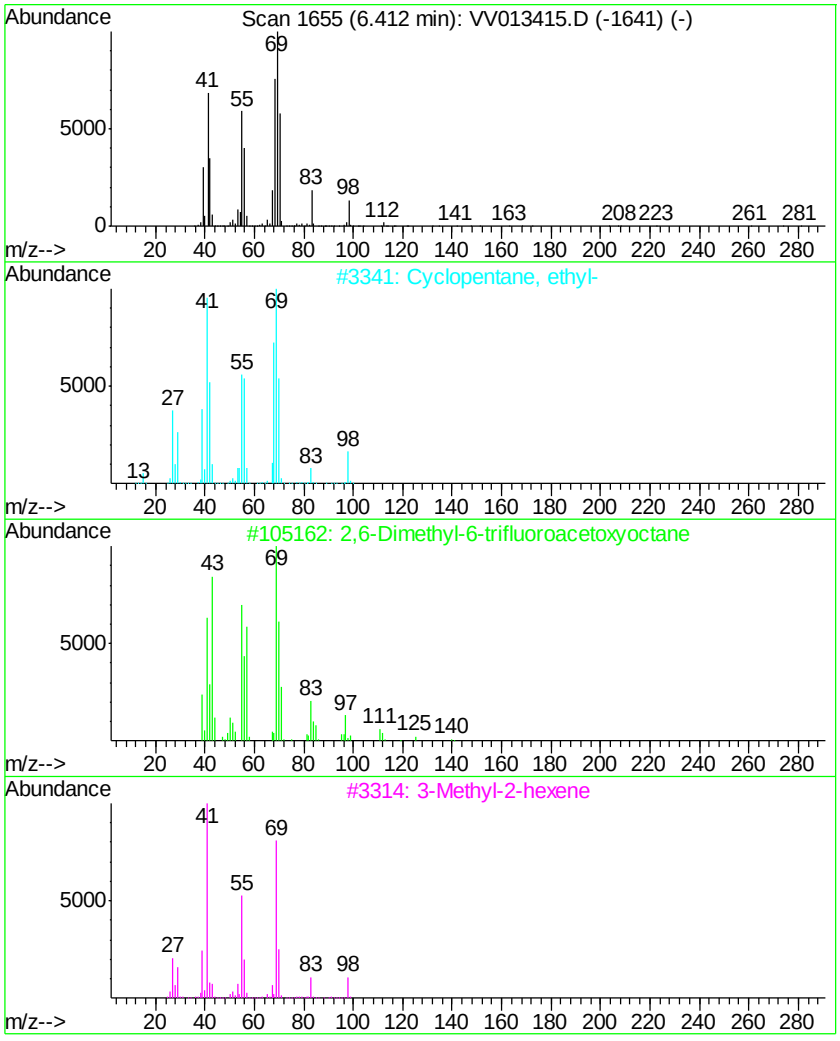
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

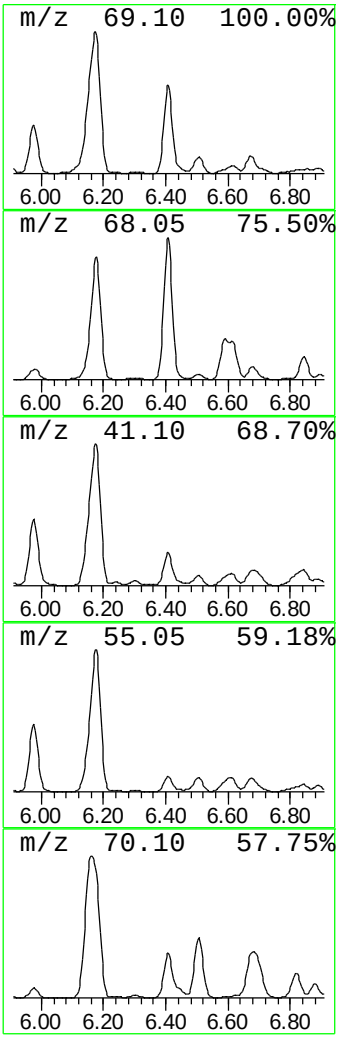
****

Peak Number 29 (DEL) Alkane: Cyclic6.41 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	2.22 ug/L	4429110	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	80
2	2,6-Dimethyl-6-trifluoroacetoxyo...	254	C12H21F3O2	061986-67-2	47
3	3-Methyl-2-hexene	98	C7H14	017618-77-8	38
4	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	38
5	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	38





Library Search Compound Report

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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

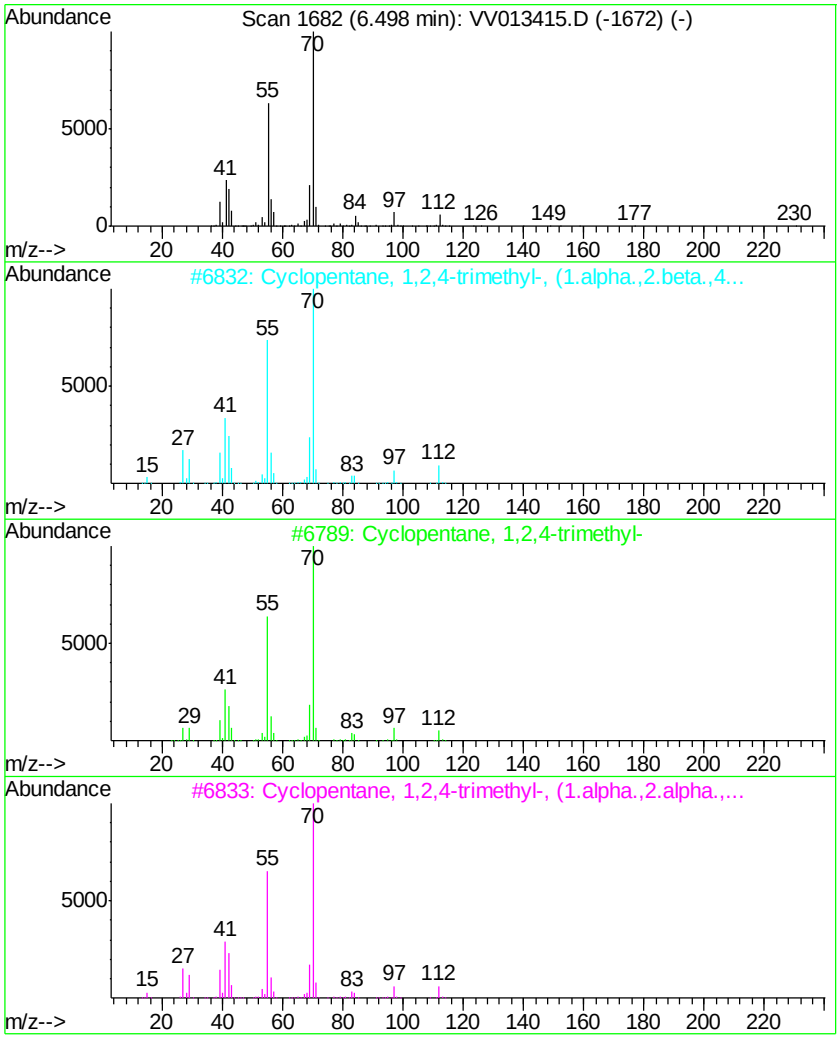
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

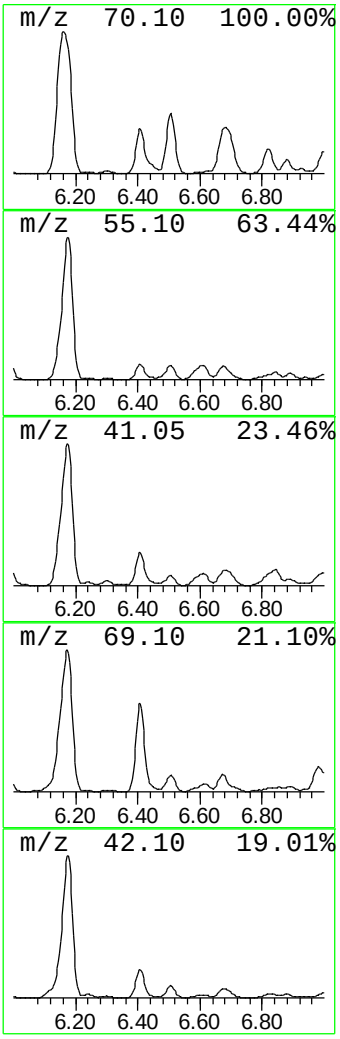
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Cyclic6.50 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	1.17 ug/L	2334940	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	91
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	91
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
5	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	74





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

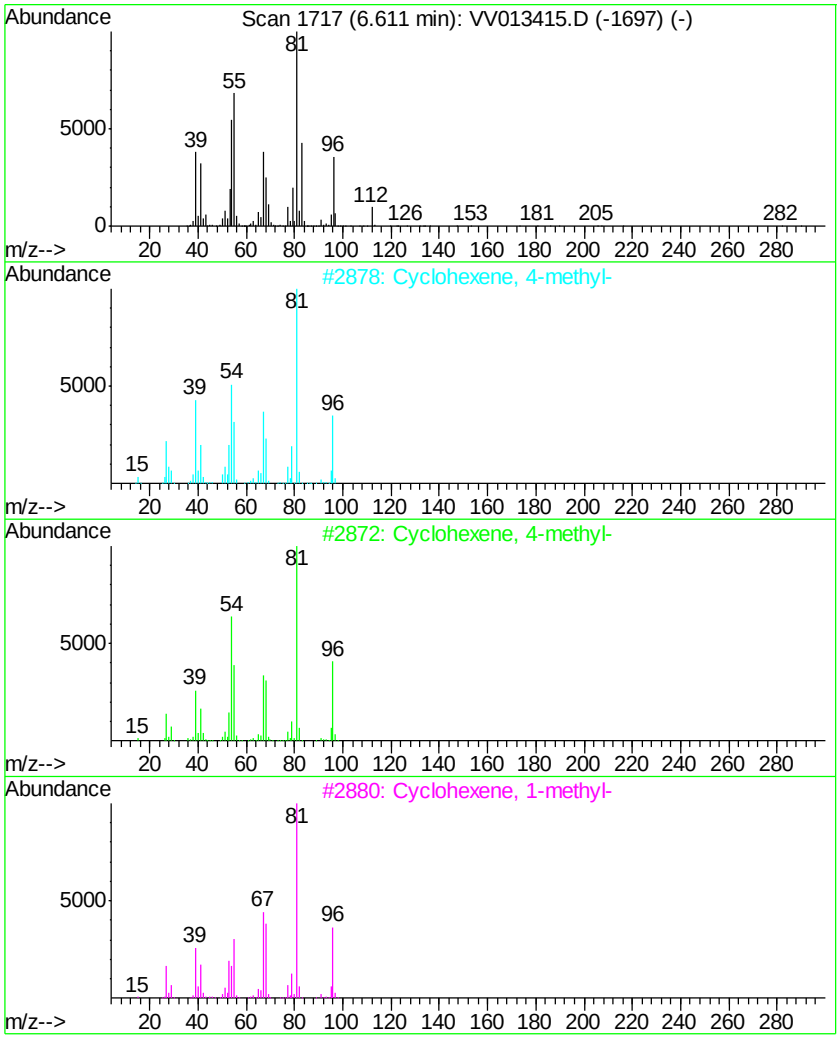
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

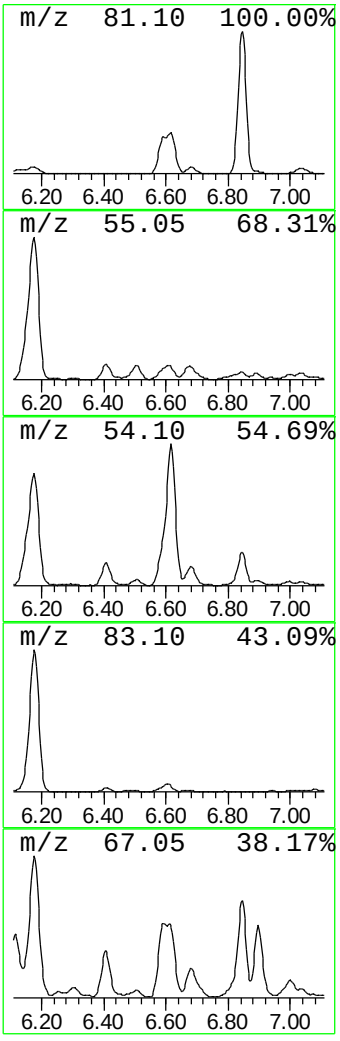
****

Peak Number 31 Cyclohexene, 4-methyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	2.93 ug/L	5849700	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	95
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	58
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	55
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	55
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	55





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

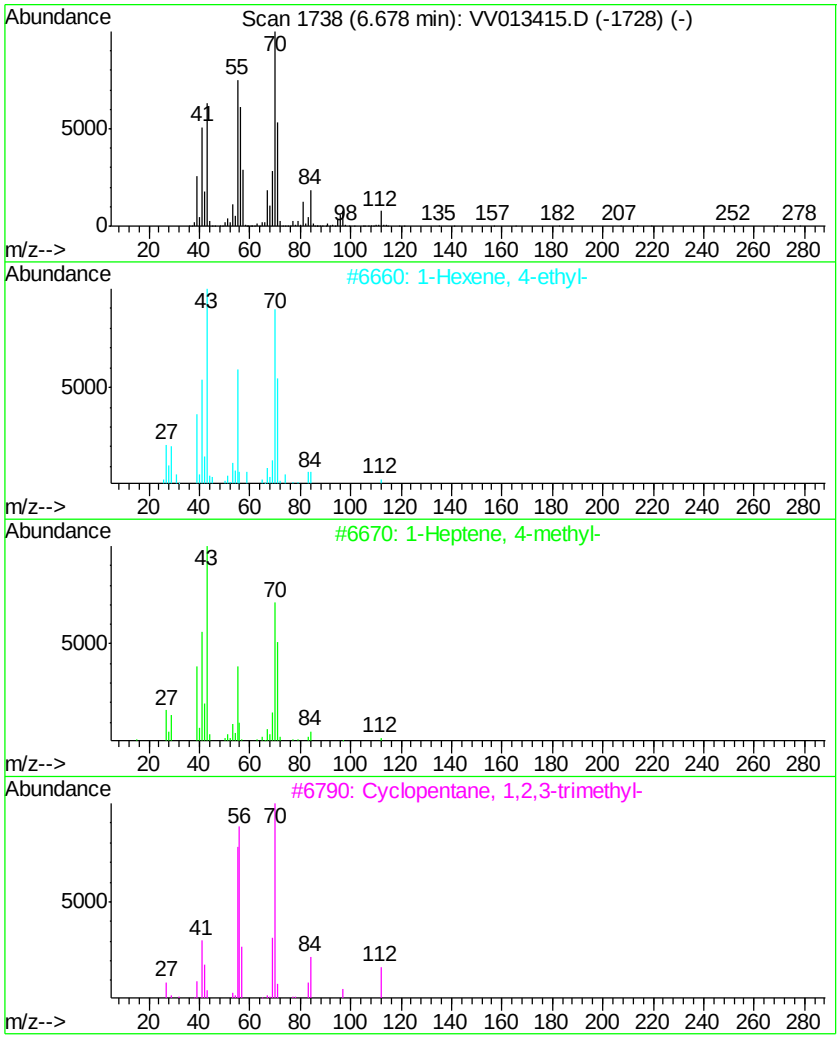
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

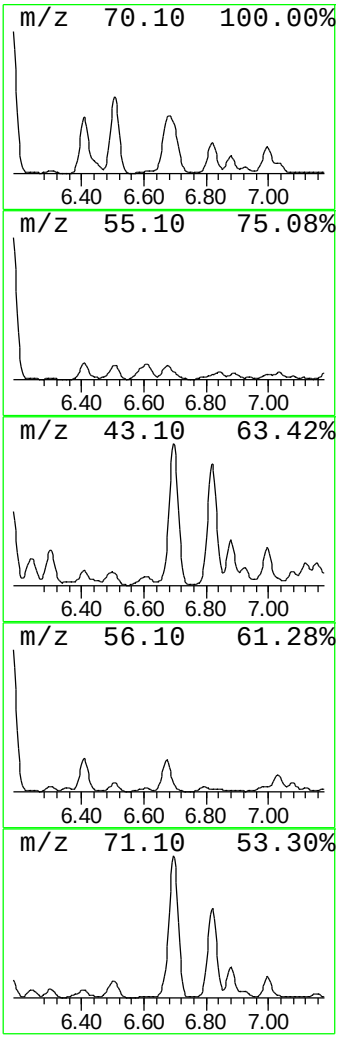
****

Peak Number 32 (DEL) Alkane: Cyclic6.68 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	2.42 ug/L	4822810	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	58
2	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	53
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	53
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	53
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	50





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Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

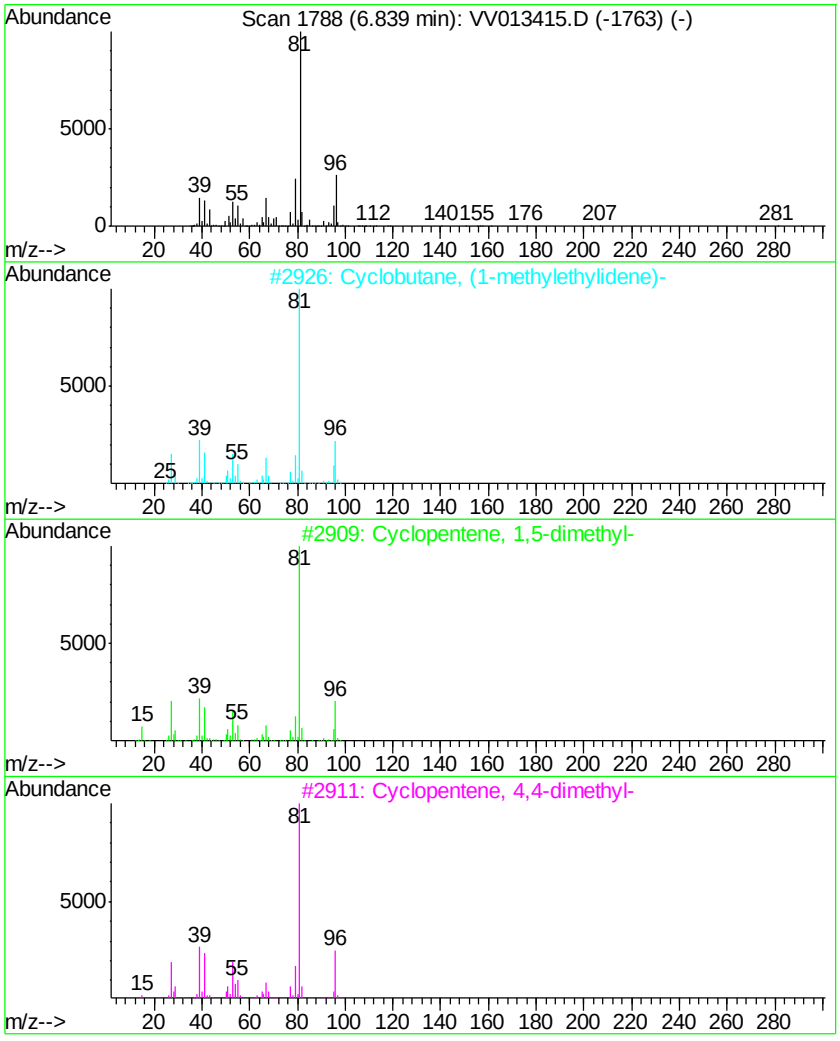
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

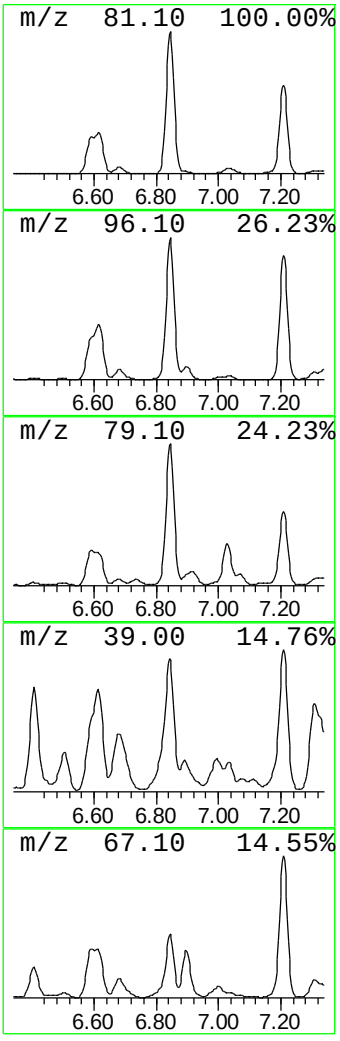
****

Peak Number 33 Cyclobutane, (1-methylethyl... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	4.19 ug/L	8365580	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	90
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	87
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	86
5	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

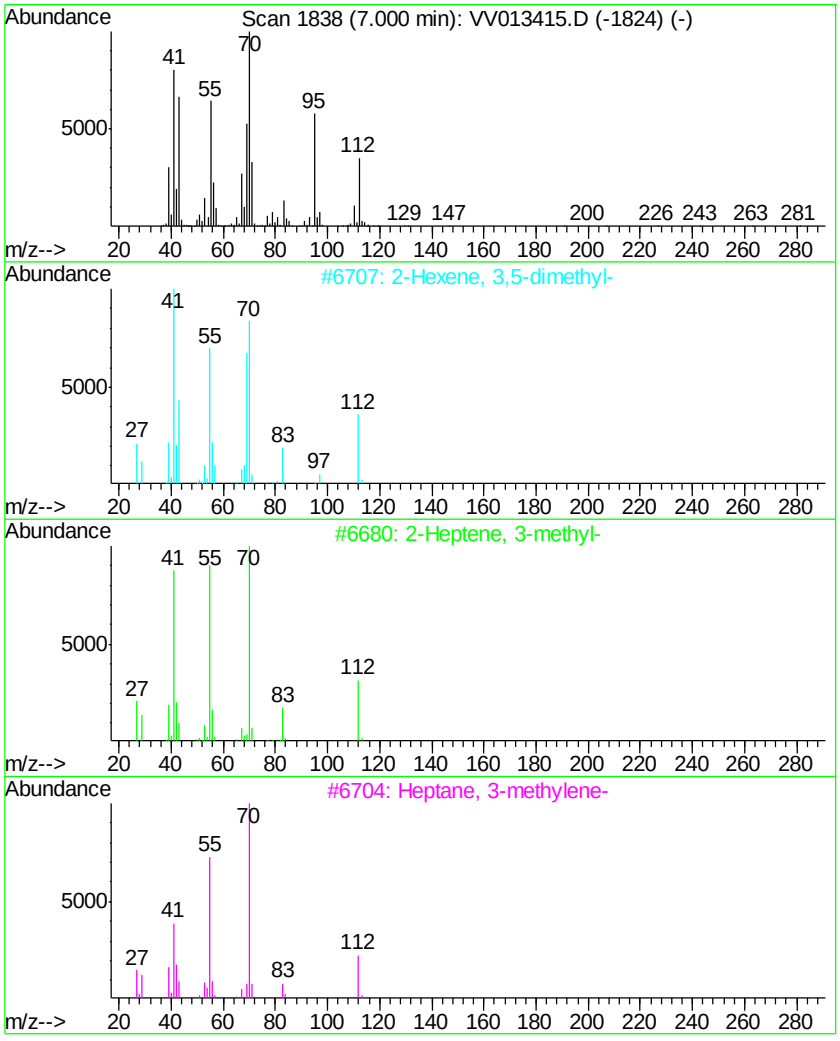
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

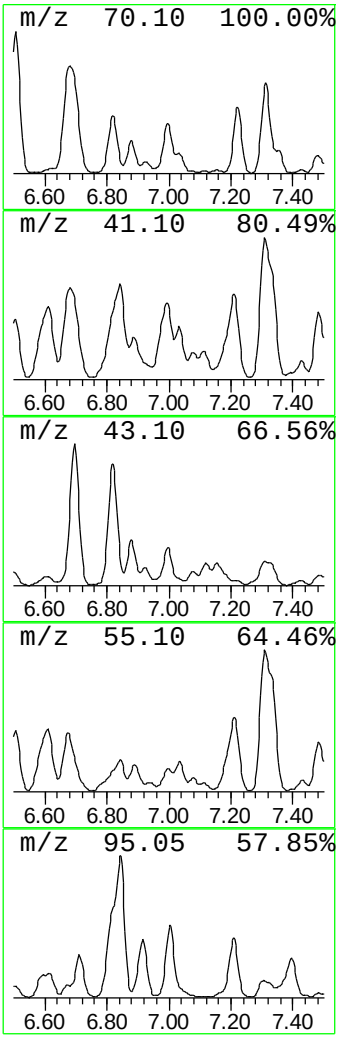
****

Peak Number 34 (DEL) Alkane: Cyclic7.00 Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	0.75 ug/L	1504670	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 3,5-dimethyl-	112	C8H16	003404-79-3	70
2	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	46
3	Heptane, 3-methylene-	112	C8H16	001632-16-2	43
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	38
5	Tridecane, 3-methylene-	196	C14H28	019780-34-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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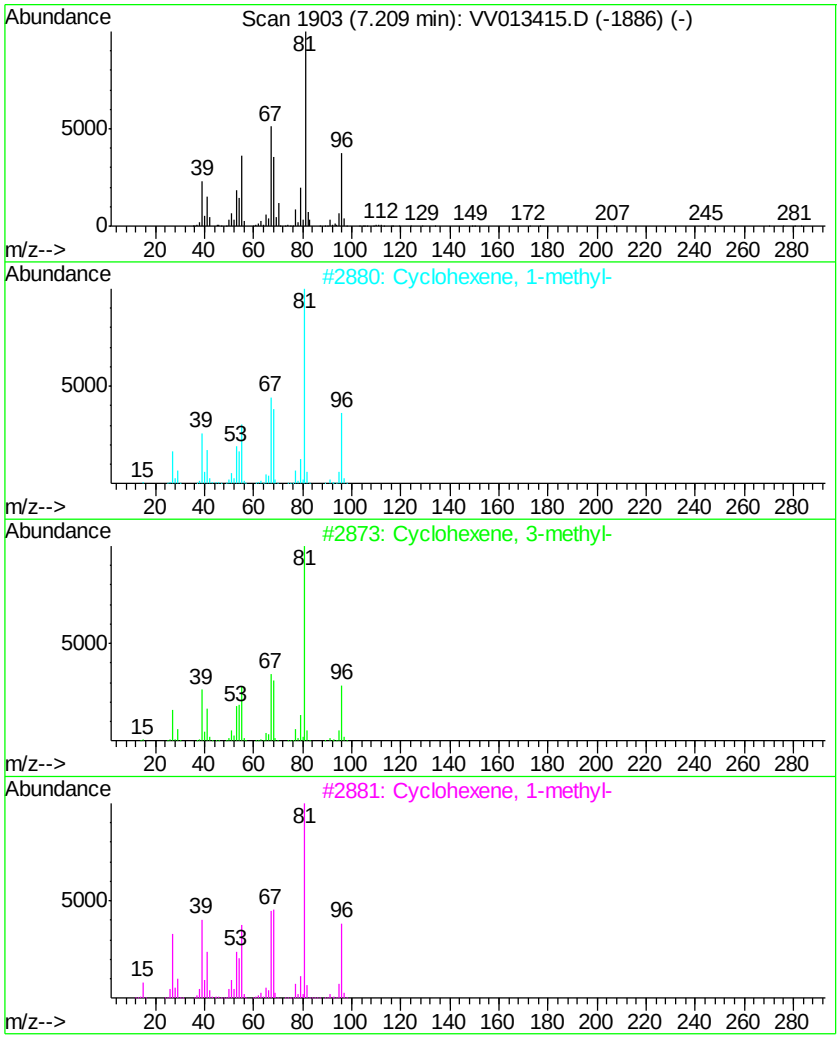
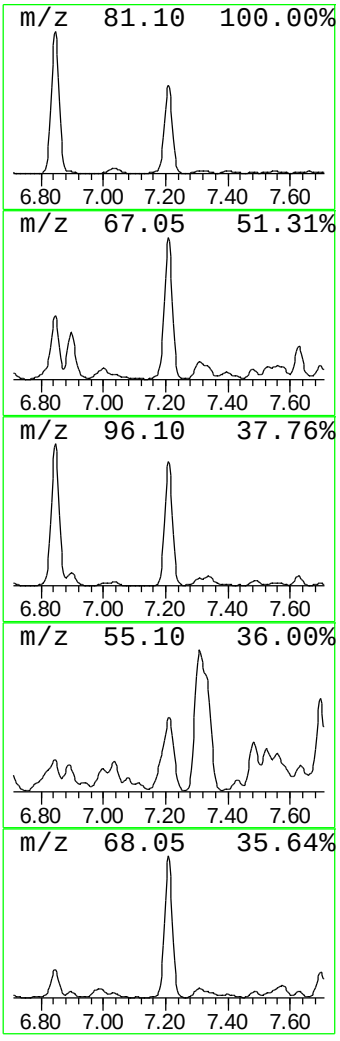
Peak Number 35 Cyclohexene, 1-methyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	3.46 ug/L	6901240	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	94
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	93
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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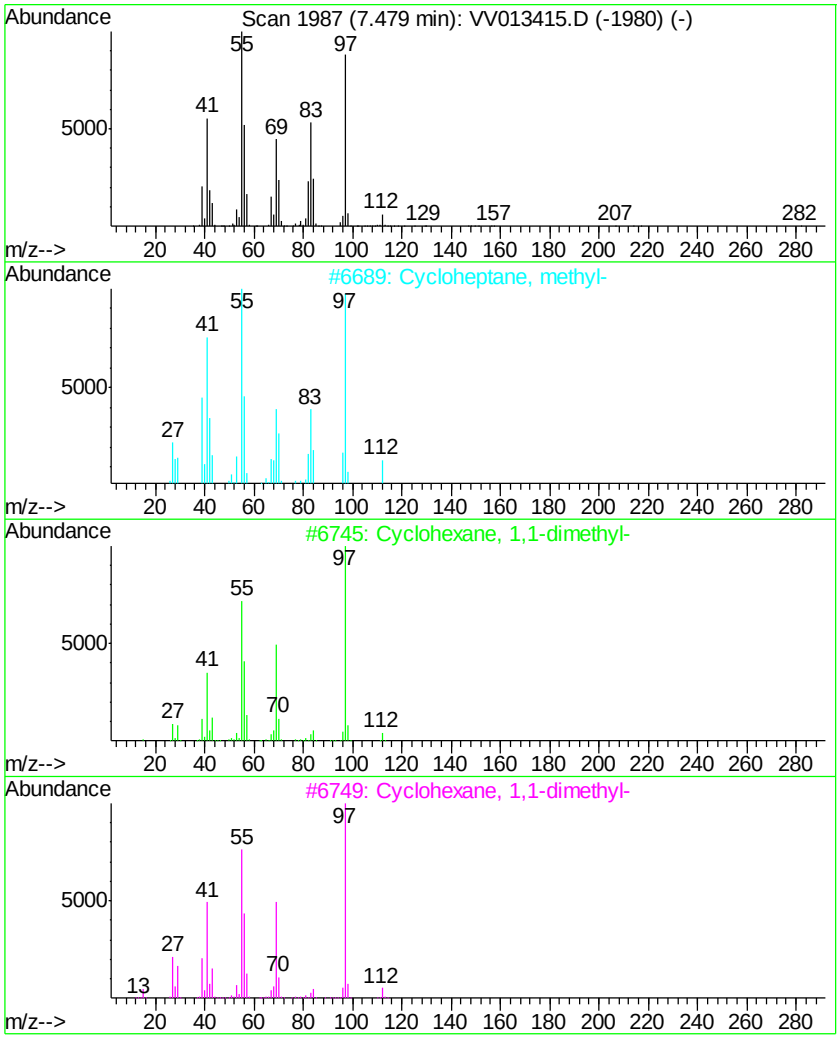
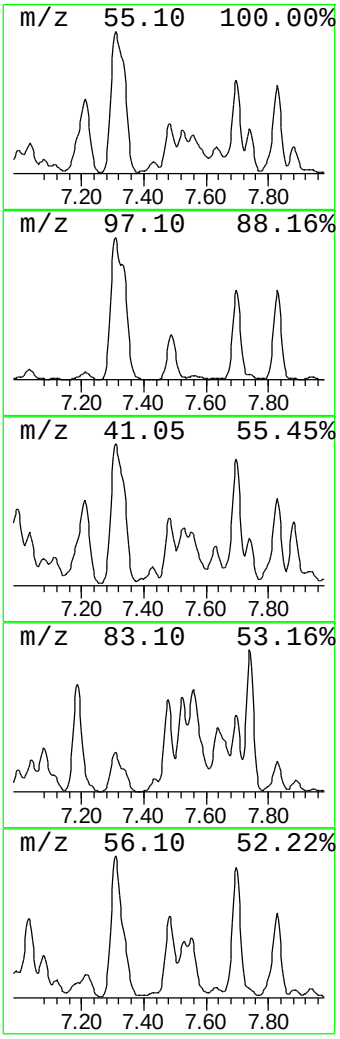
Peak Number 36 (DEL) Alkane: Cyclic7.48 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	6.20 ug/L	1330250	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	87
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	62
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	52





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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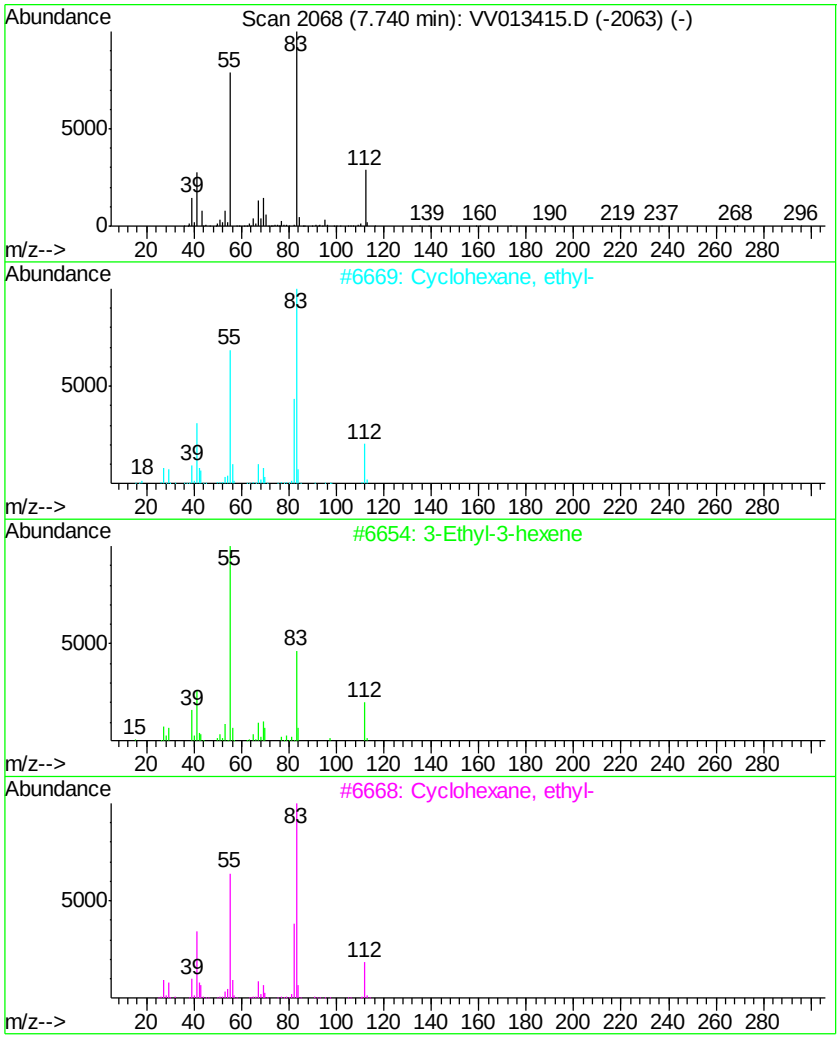
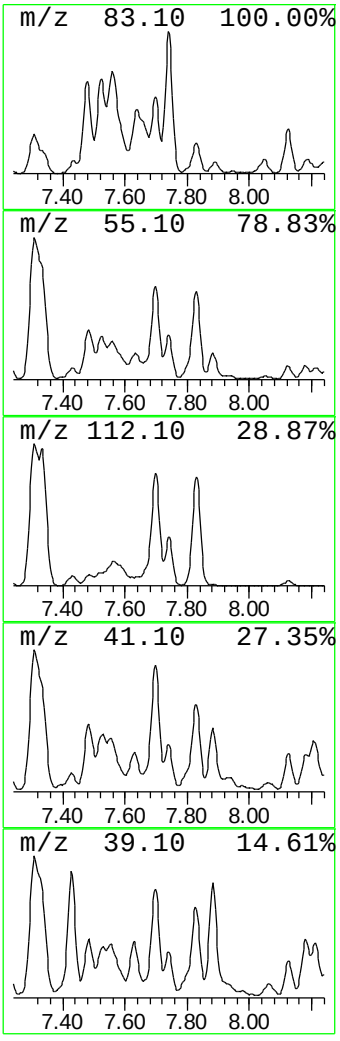
Peak Number 37 (DEL) Alkane: Cyclic7.74 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	4.46 ug/L	957617	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	3-Ethyl-3-hexene	112	C8H16	016789-51-8	78
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	4-Ethyl-2-hexene	112	C8H16	019780-46-2	78
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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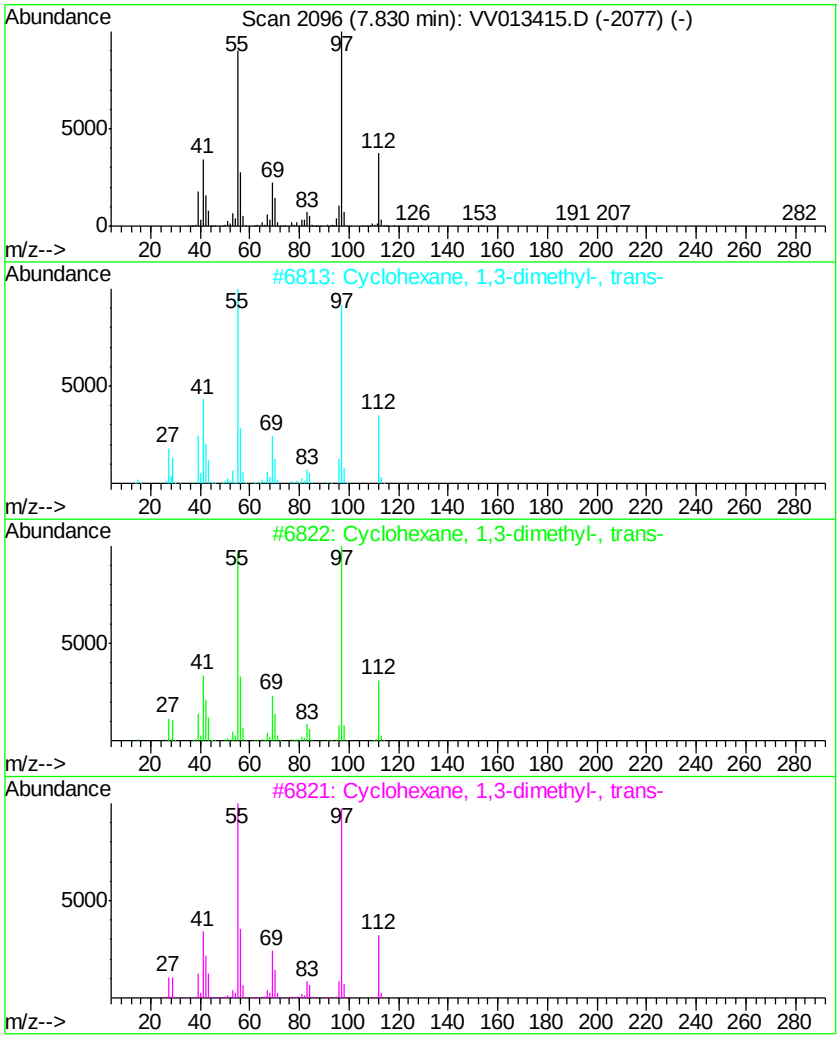
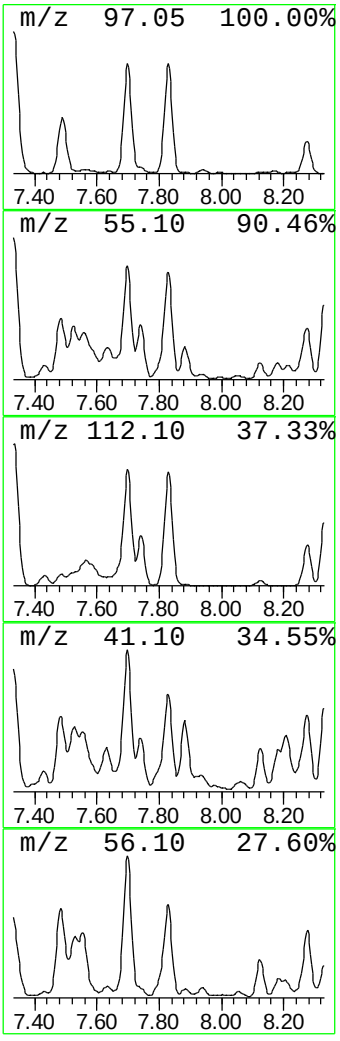
Peak Number 38 (DEL) Alkane: Cyclic7.83 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	14.31 ug/L	3069610	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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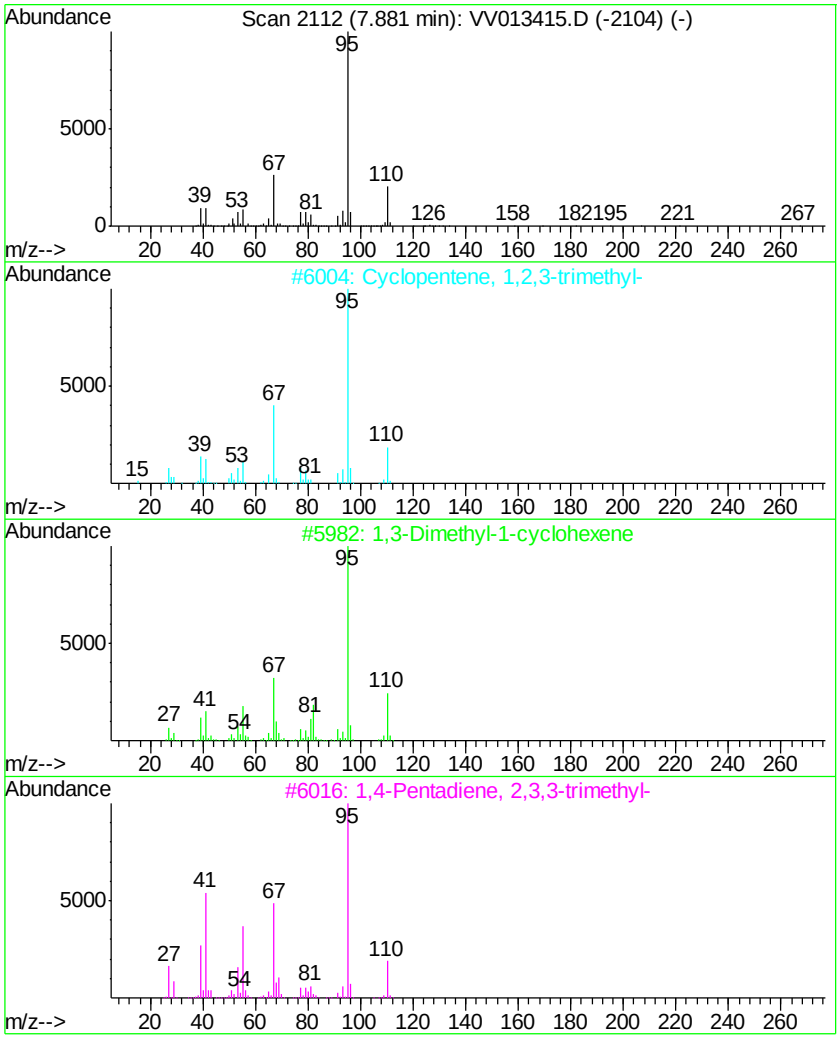
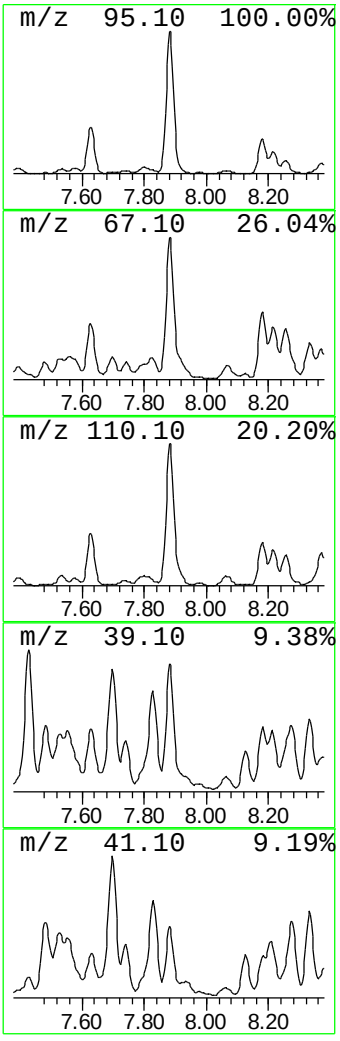
Peak Number 39 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	18.38 ug/L	3943400	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	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	91
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	90
4	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	87
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	78





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

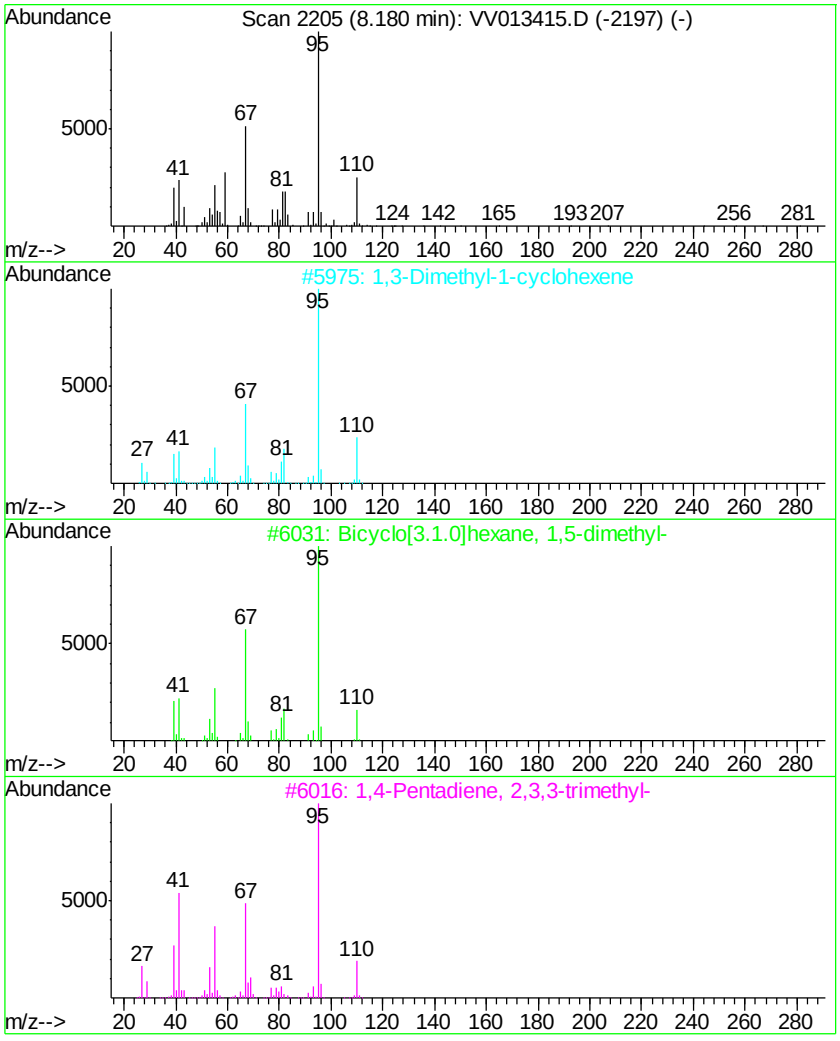
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

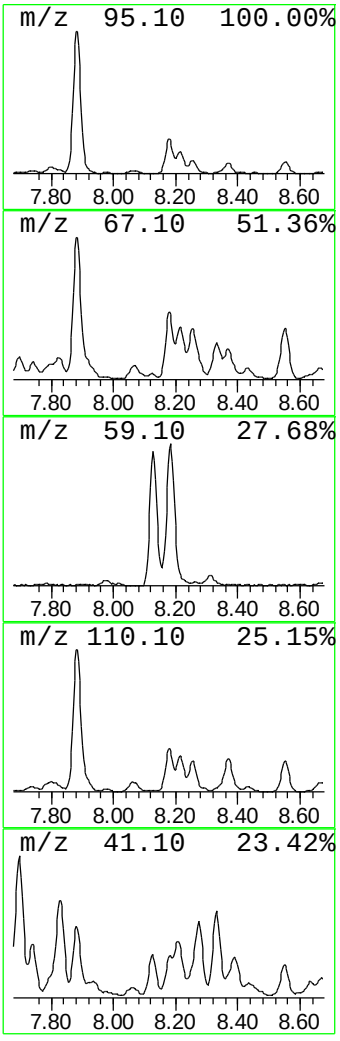
****

Peak Number 40 1,3-Dimethyl-1-cyclohexene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	5.42 ug/L	1163880	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	87
2	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	83
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	81
4	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	72
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72





Library Search Compound Report

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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

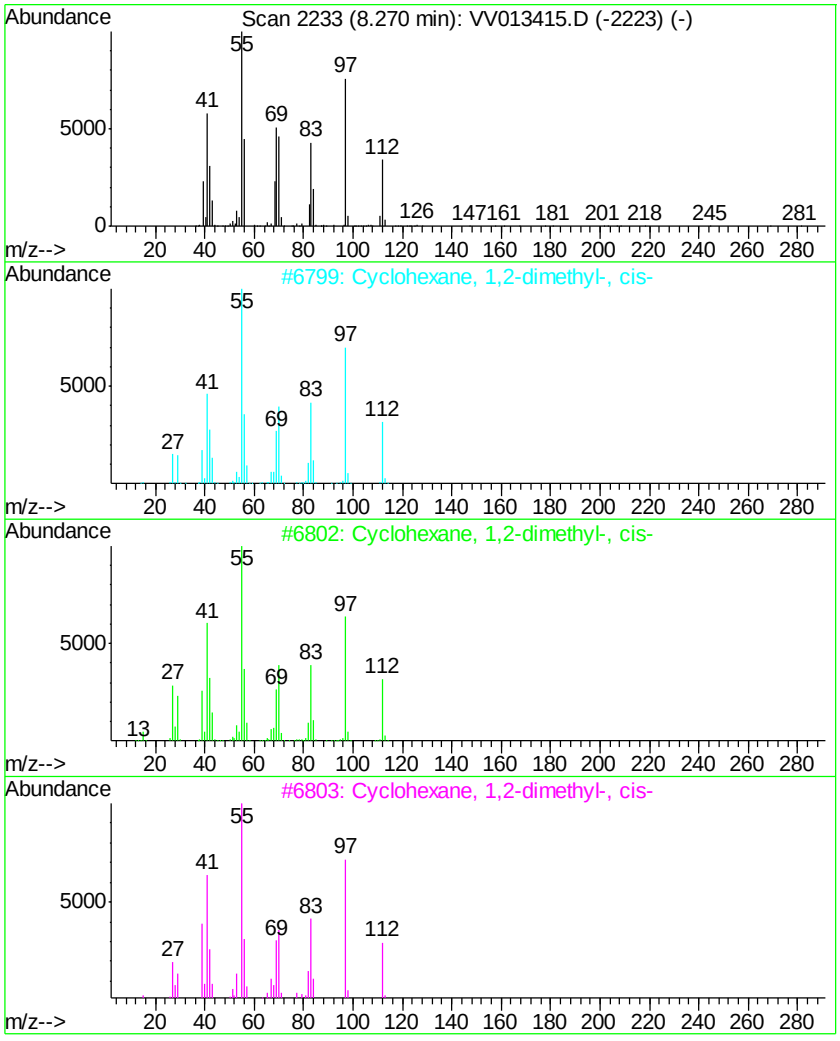
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

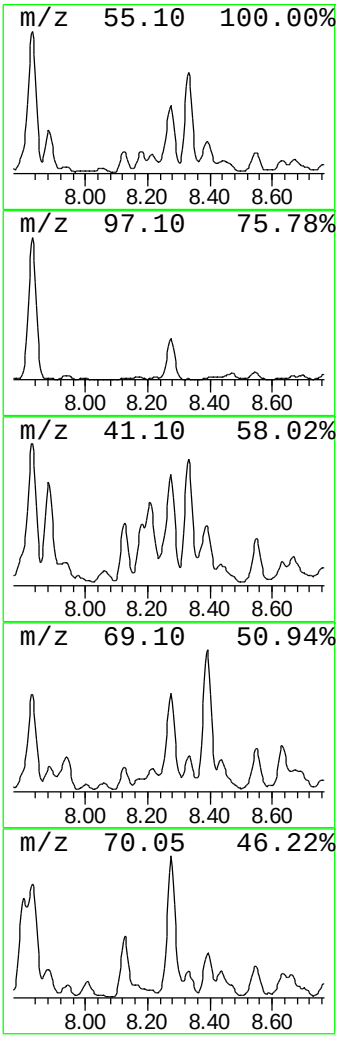
****

Peak Number 41 (DEL) Alkane: Cyclic8.27 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	9.15 ug/L	1962870	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	94
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	83
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	58
5	Cyclooctane	112	C8H16	000292-64-8	53





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

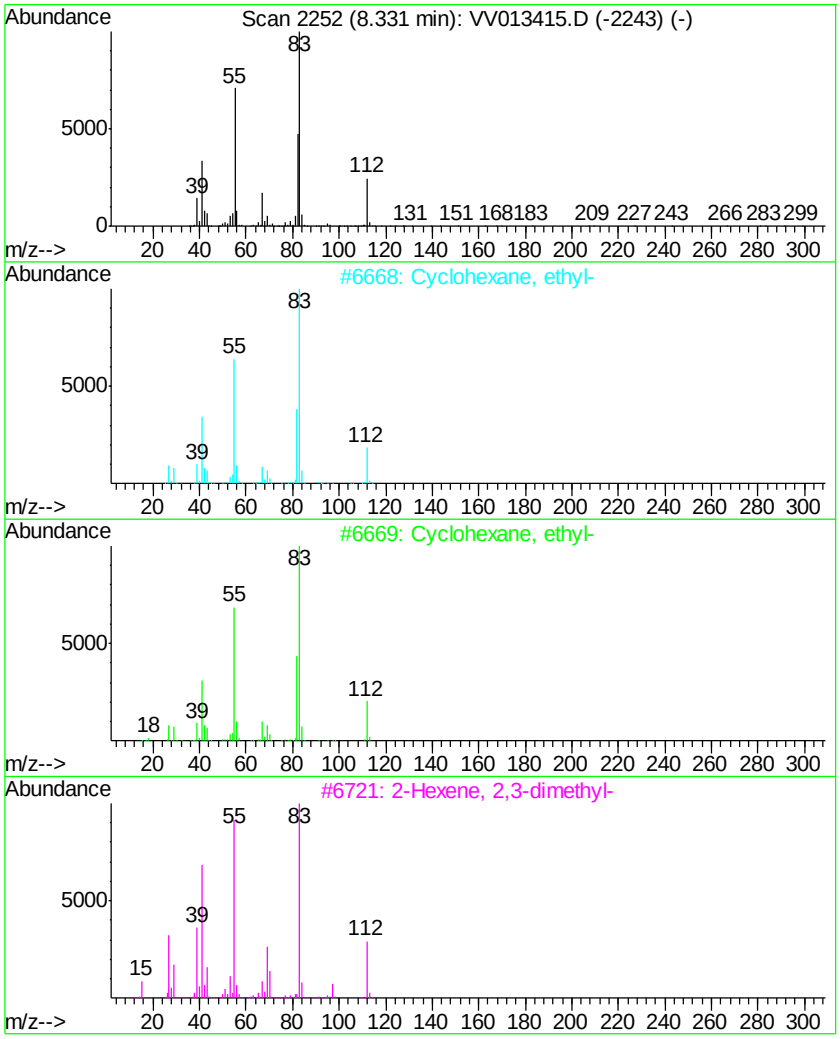
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

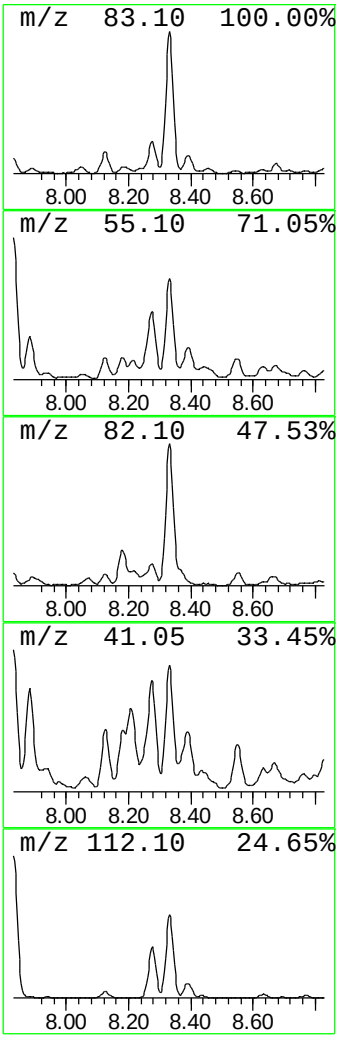
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Cyclic8.33 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	8.27 ug/L	1774660	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	58
4	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	50
5	2H-Pyran-2-carboxaldehyde, 3,4-d...	112	C6H8O2	000100-73-2	50





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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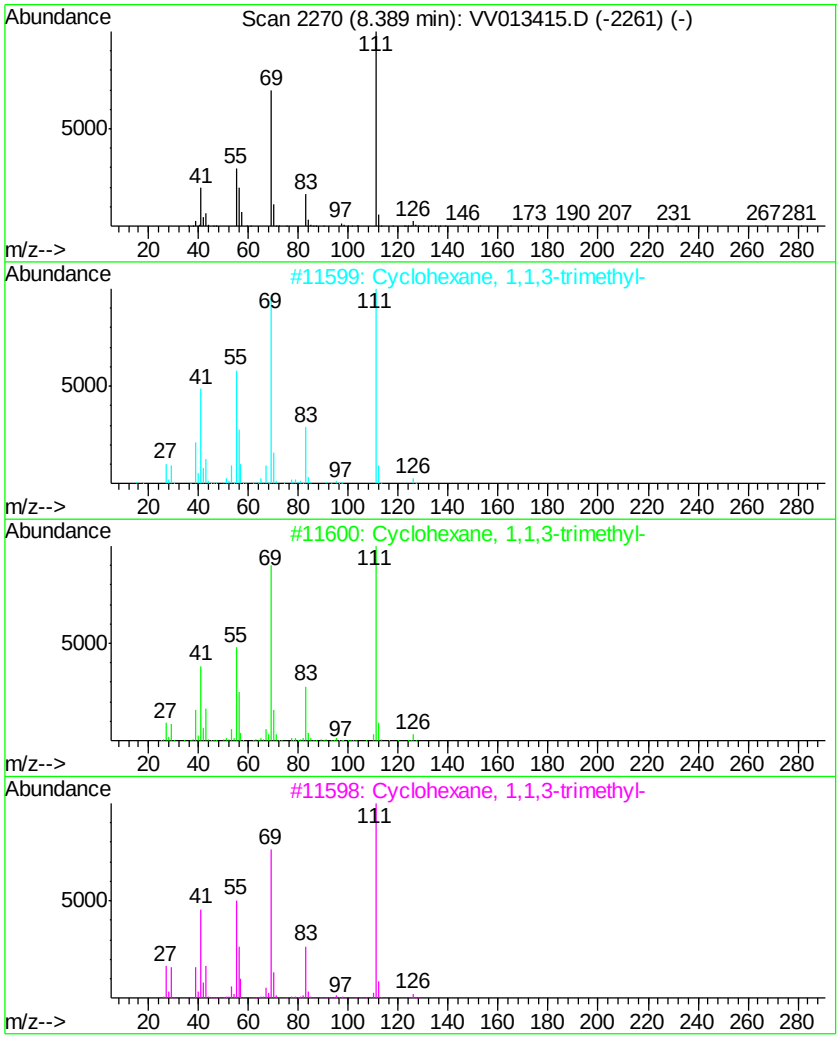
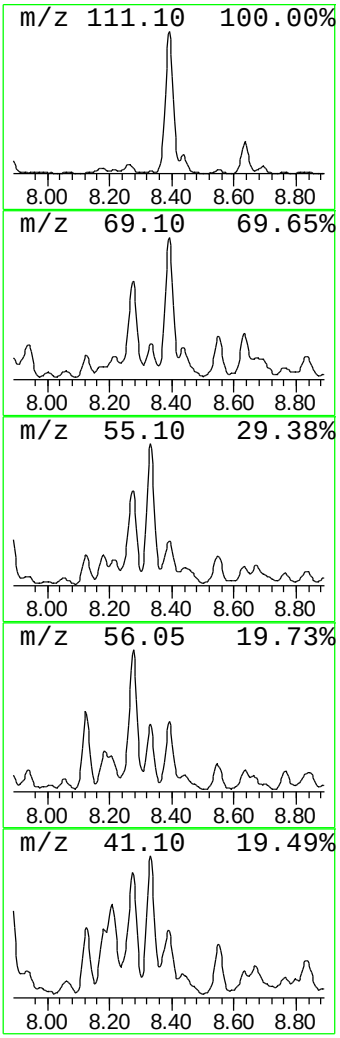
Peak Number 43 (DEL) Alkane: Cyclic8.39 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	5.09 ug/L	1092790	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	52
5	5-Amino-1,3-dimethylpyrazole	111	C5H9N3	003524-32-1	42





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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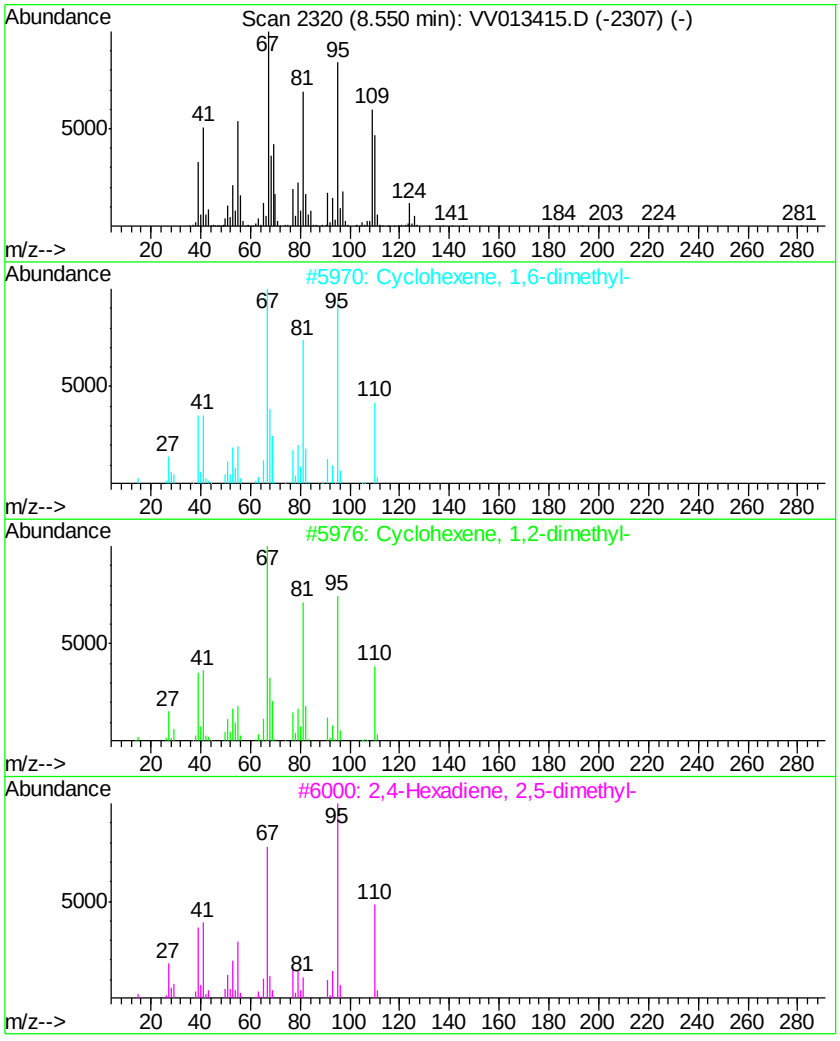
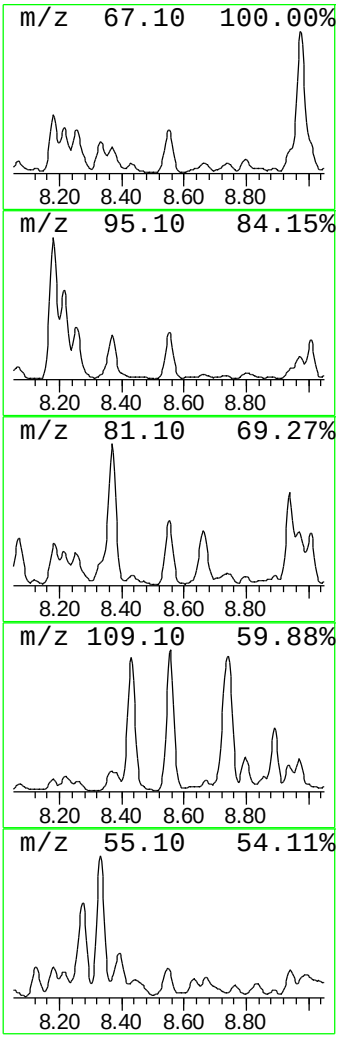
Peak Number 44 Cyclohexene, 1,6-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	5.75 ug/L	1234120	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	98
2	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	96
3	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	94
4	2,4-Hexadiene, 2,3-dimethyl-	110	C8H14	005678-98-8	94
5	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	81





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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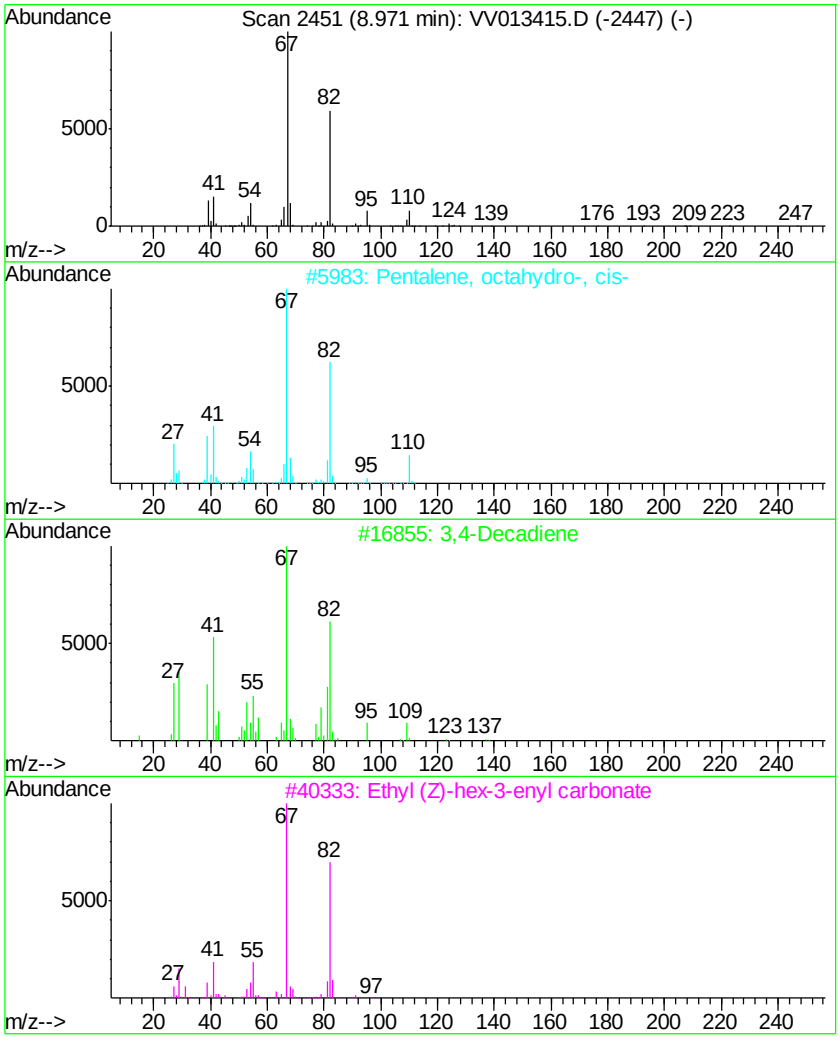
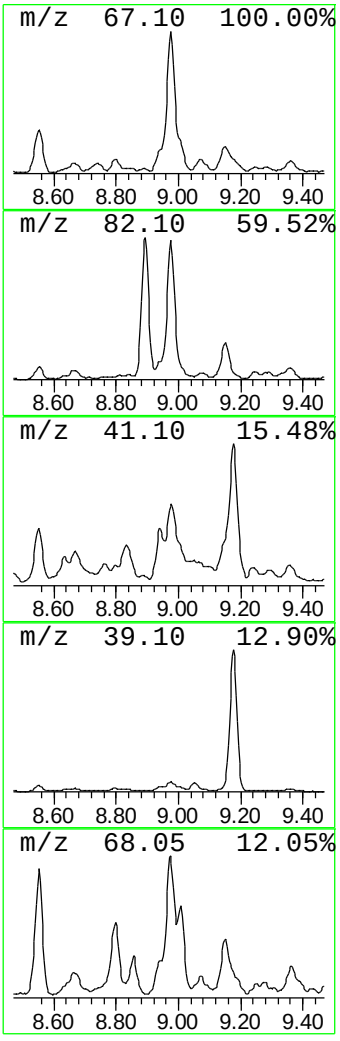
Peak Number 45 Pentalene, octahydro-, cis- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	9.19 ug/L	1971070	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	83
2	3,4-Decadiene	138	C10H18	037050-04-7	64
3	Ethyl (Z)-hex-3-enyl carbonate	172	C9H16O3	1000373-83-6	56
4	Butanoic acid,4-hexen-1-yl ester	170	C10H18O2	1000159-22-7	56
5	Cyclopentene, 3-propyl-	110	C8H14	034067-75-9	53





Library Search Compound Report

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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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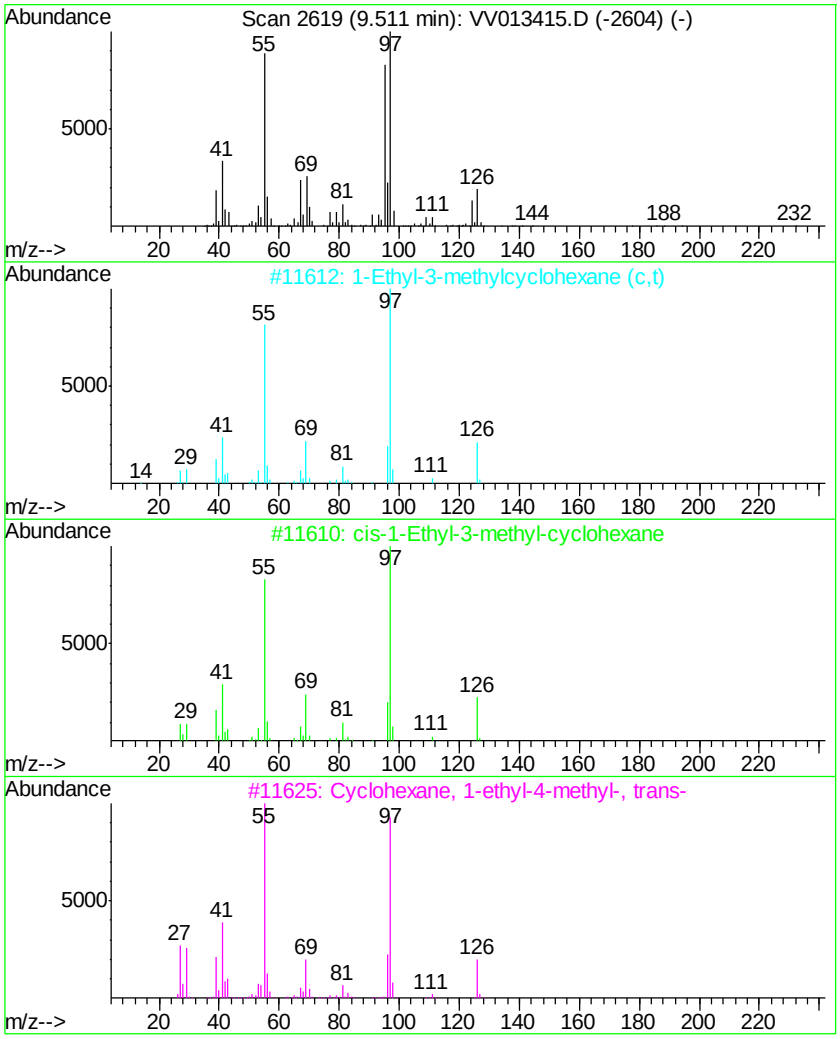
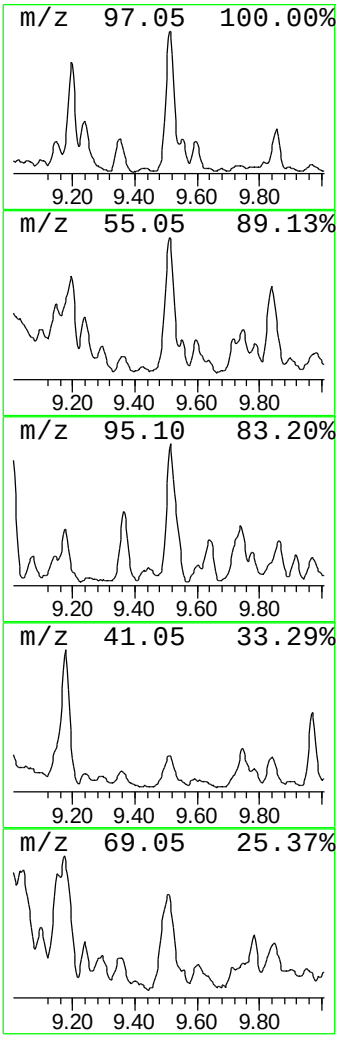
Peak Number 46 (DEL) Alkane: Cyclic9.51 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	4.62 ug/L	990455	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	87
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	87
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	55
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	55
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	49





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Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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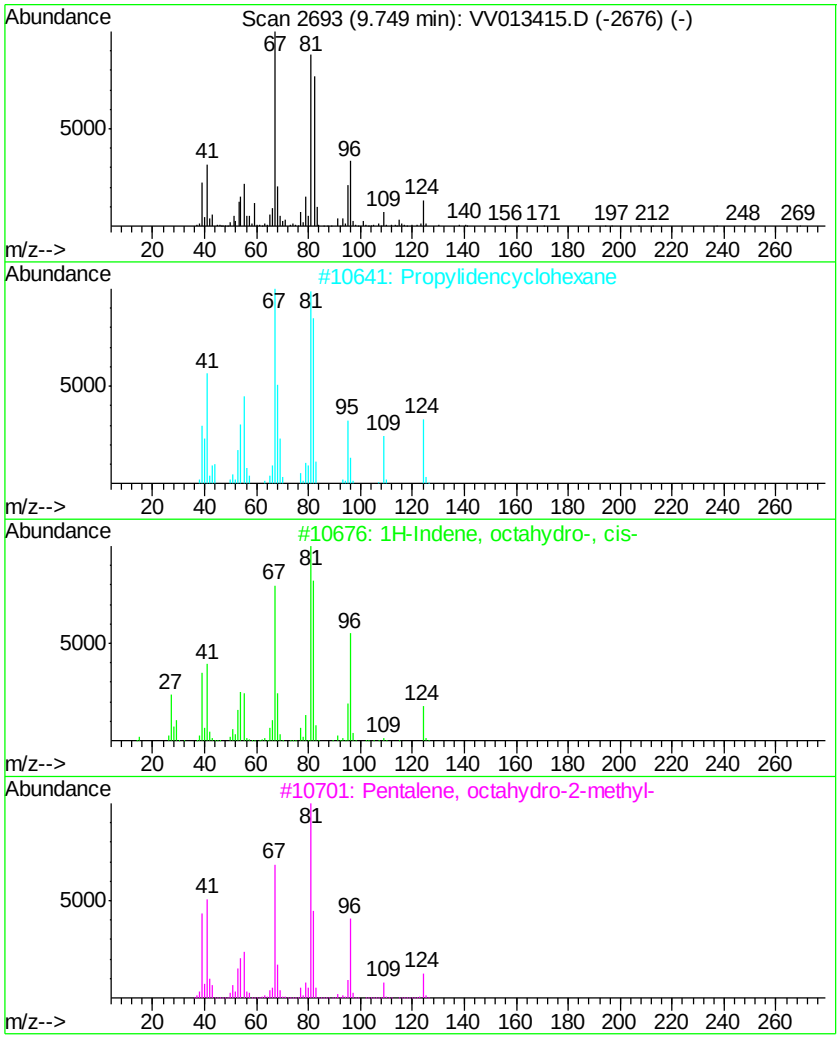
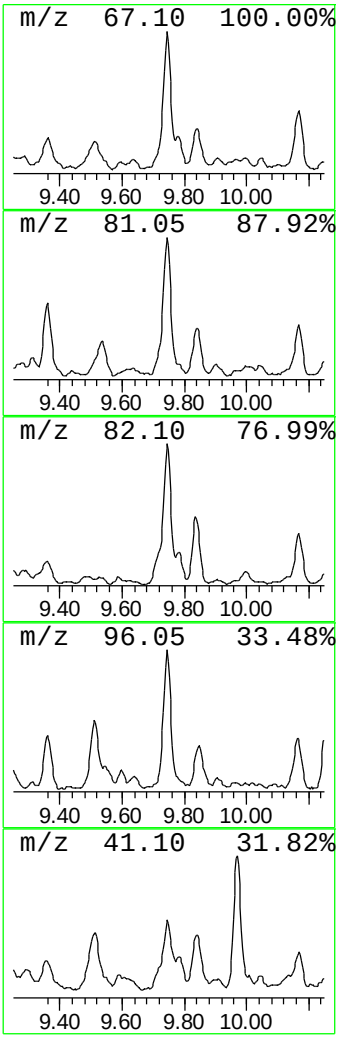
Peak Number 47 Propylidencyclohexane Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	5.01 ug/L	1075210	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propylidencyclohexane	124	C9H16	002129-93-3	68
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	64
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	49
4	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	49
5	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	43





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Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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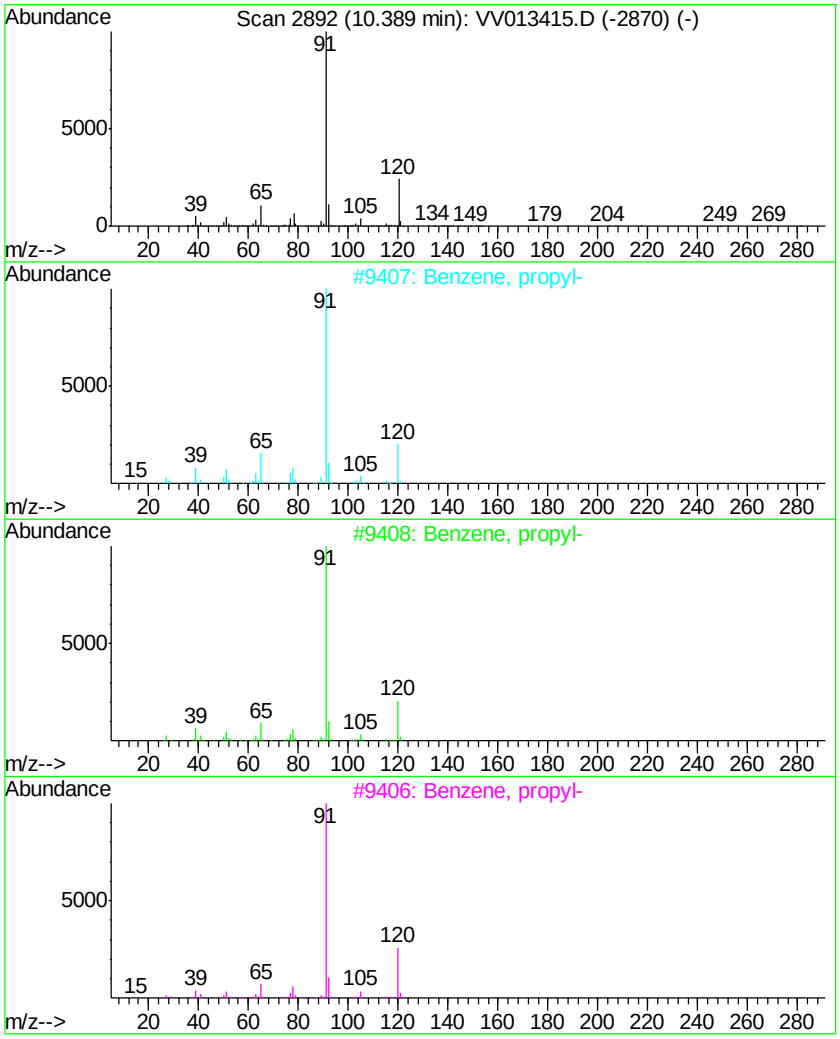
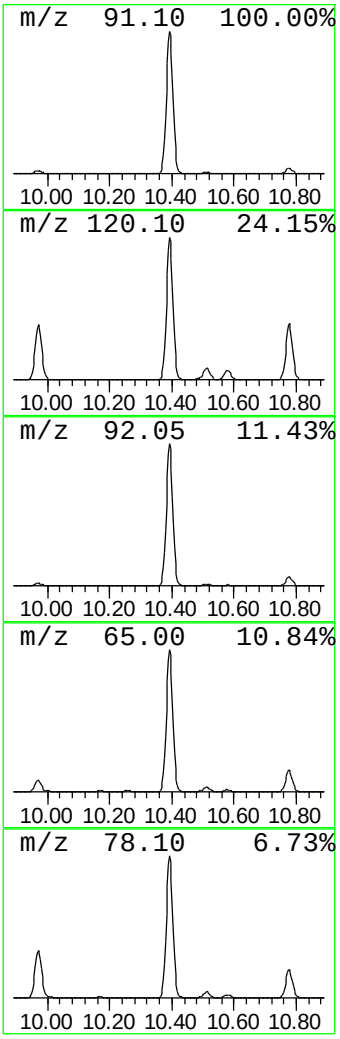
Peak Number 48 Benzene, propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	47.45 ug/L	18390800	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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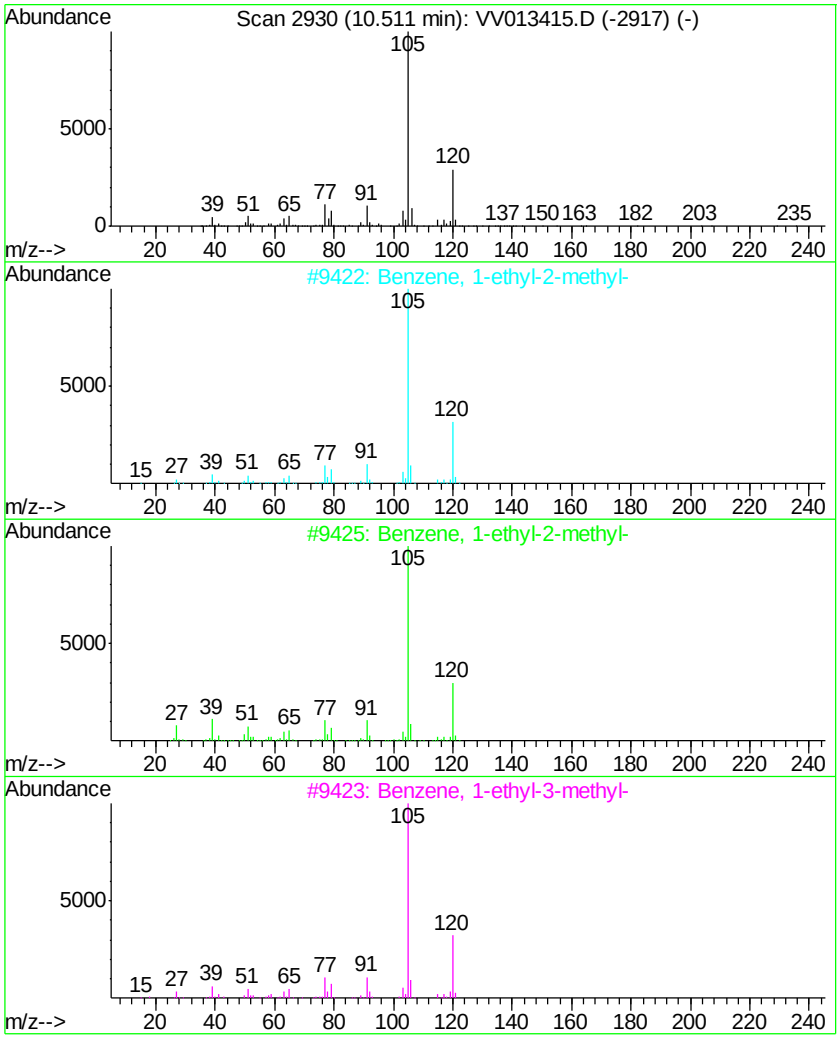
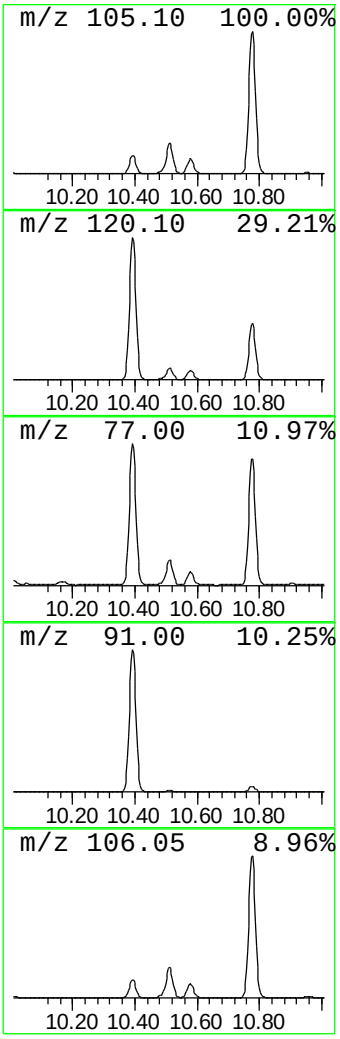
Peak Number 49 Benzene, 1-ethyl-2-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	3.94 ug/L	1526090	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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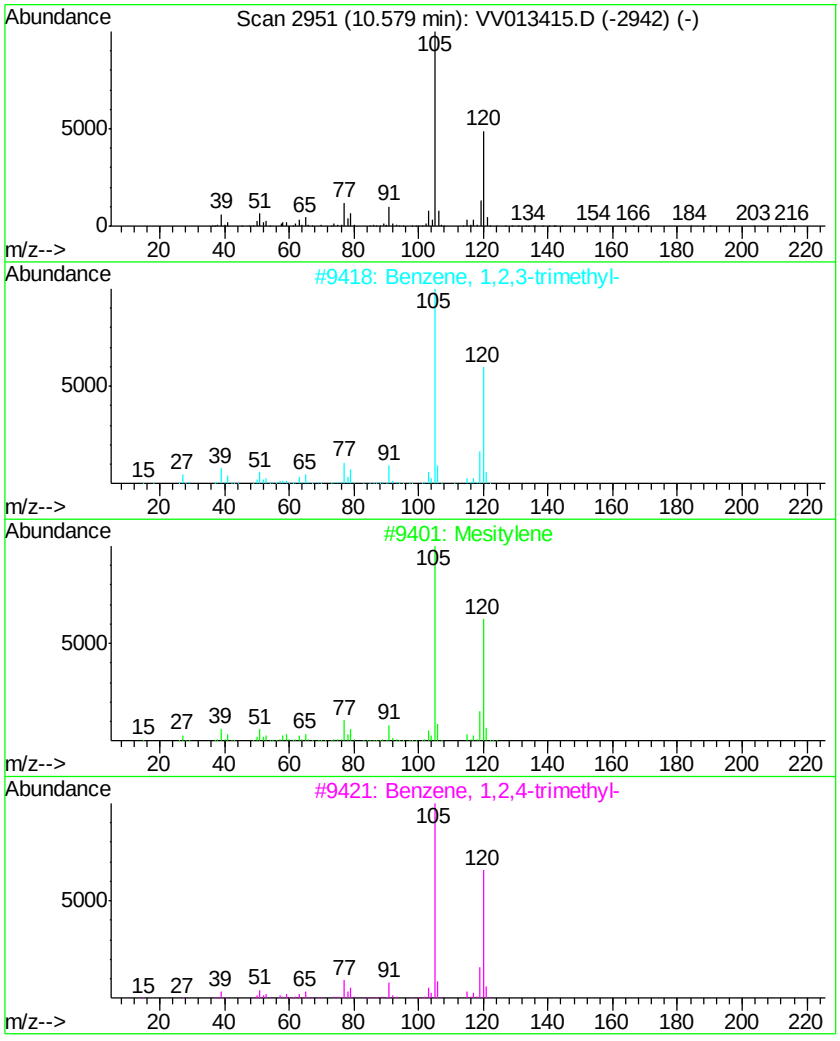
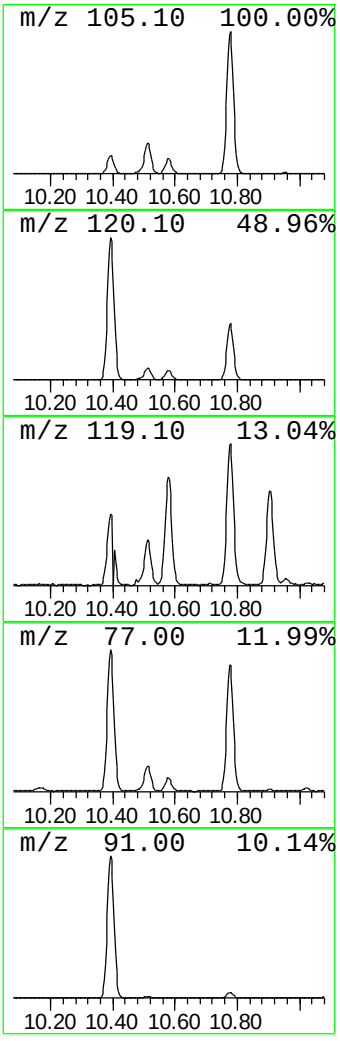
Peak Number 50 Benzene, 1,2,3-trimethyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	2.20 ug/L	850807	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

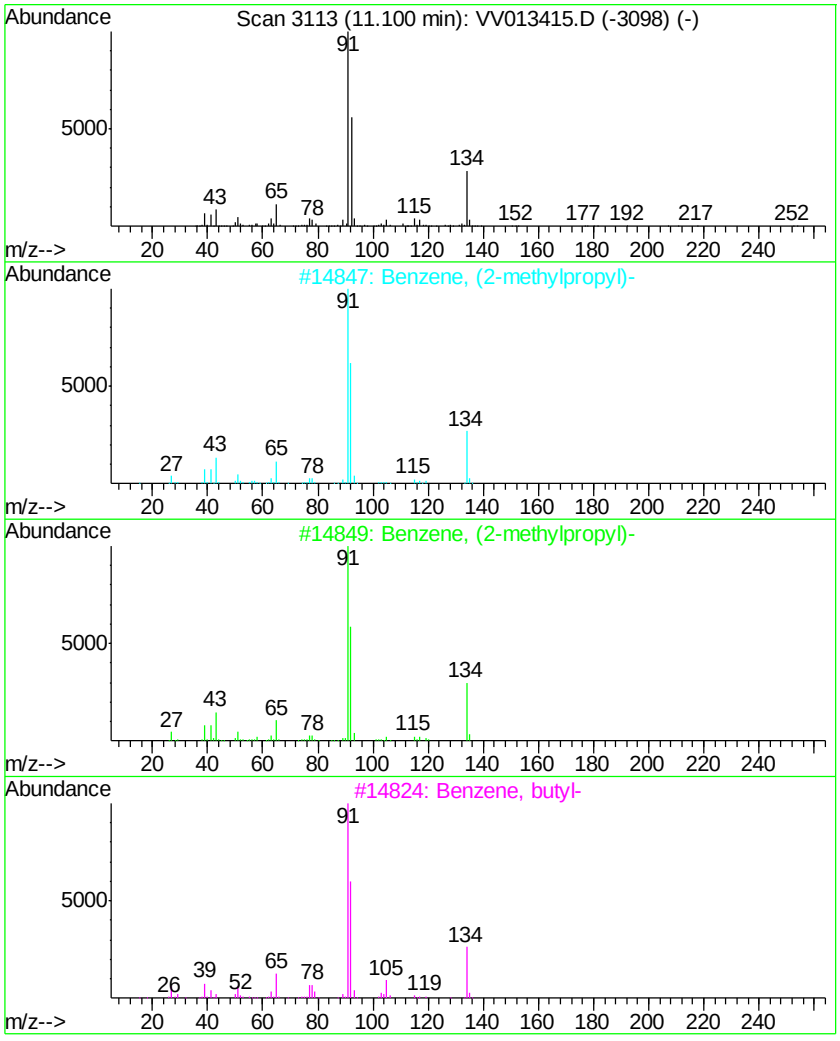
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

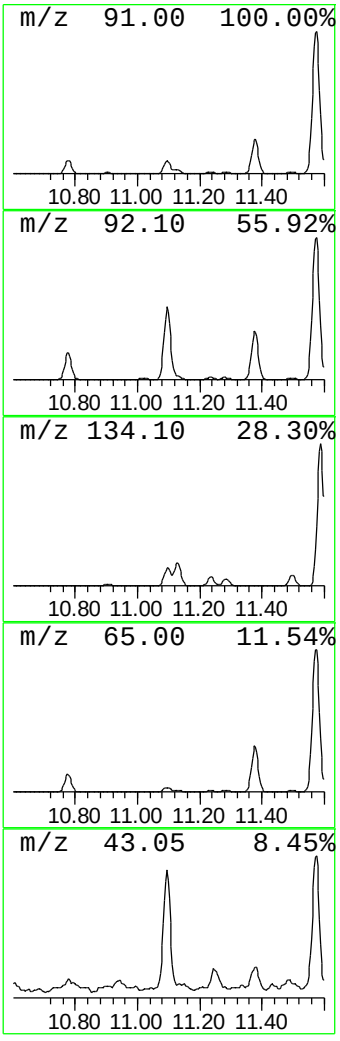
****

Peak Number 52 Benzene, (2-methylpropyl)- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	2.40 ug/L	932003	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
3	Benzene, butyl-	134	C10H14	000104-51-8	80
4	Benzene, butyl-	134	C10H14	000104-51-8	72
5	Benzene, butyl-	134	C10H14	000104-51-8	72





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

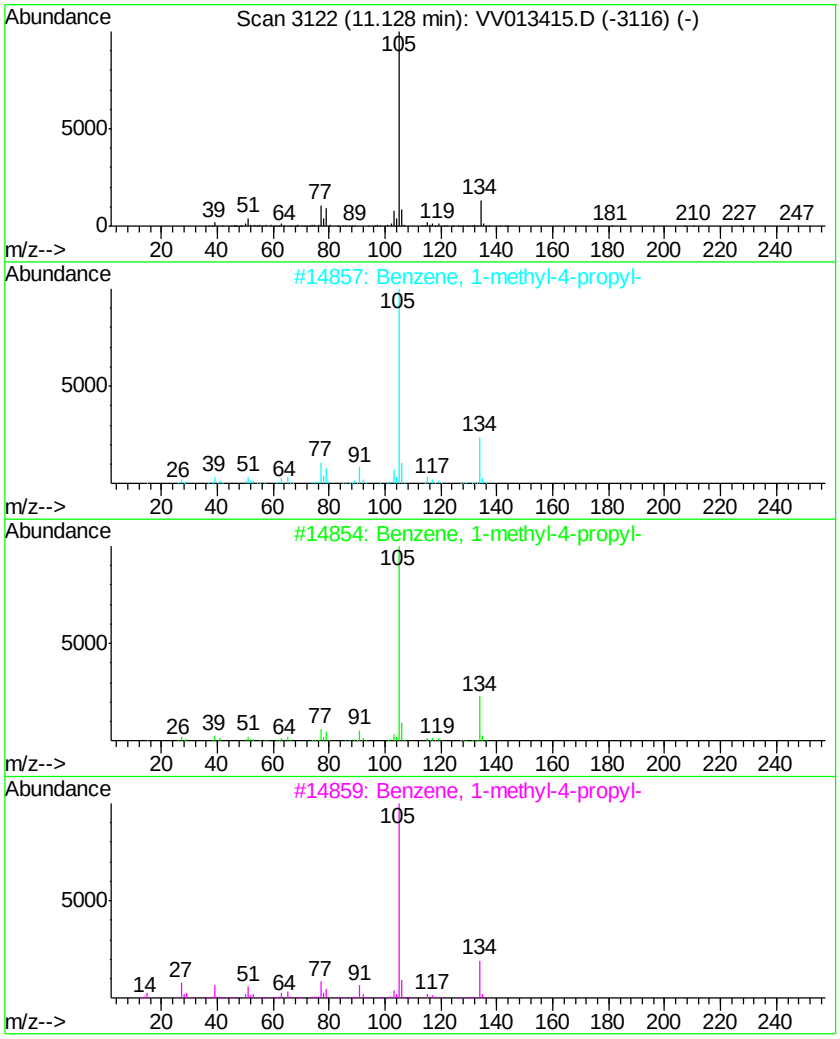
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

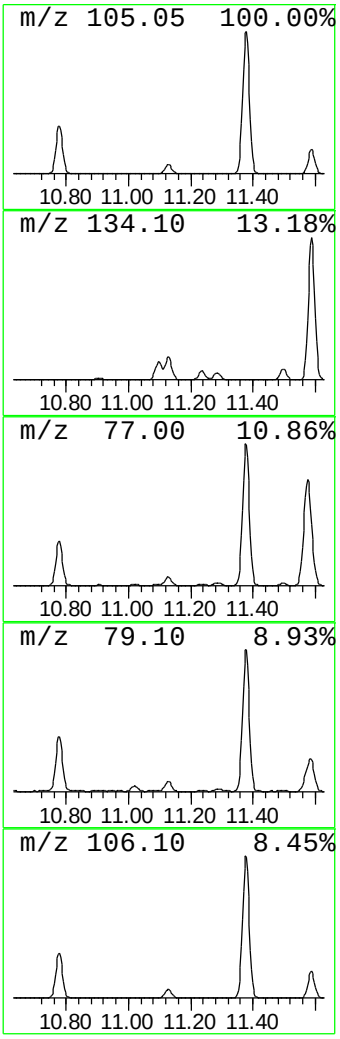
****

Peak Number 53 Benzene, 1-methyl-4-propyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	3.28 ug/L	1269600	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
4	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	80
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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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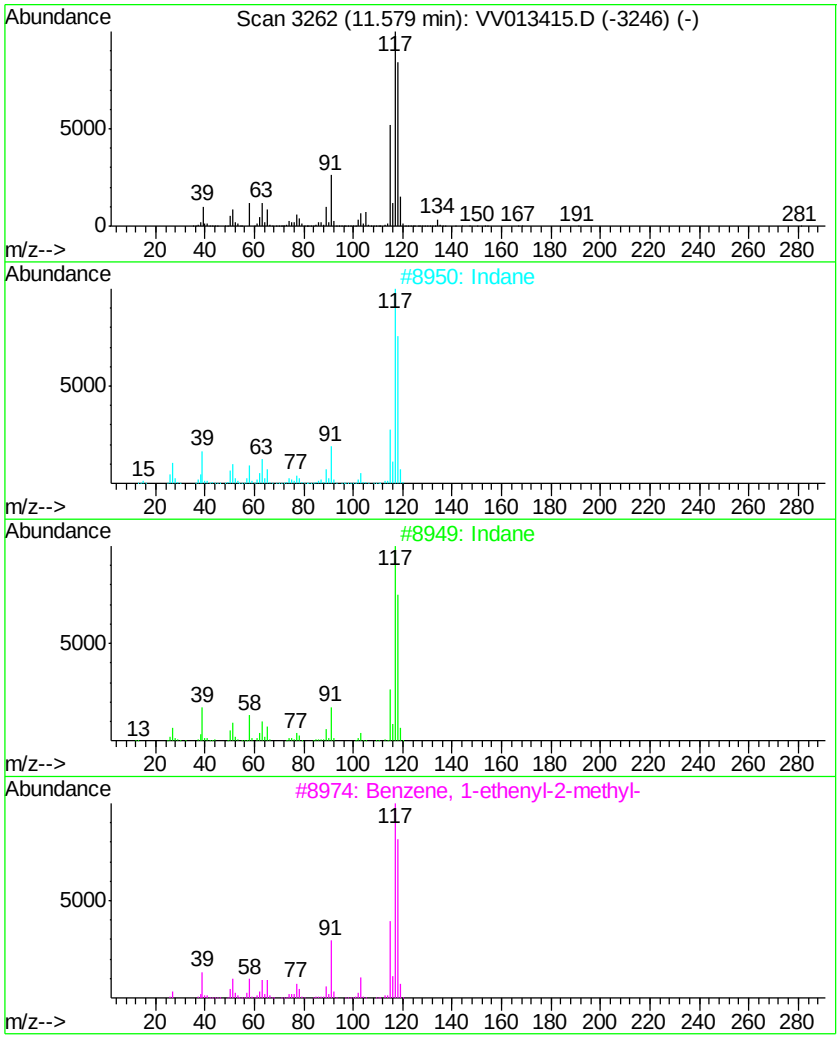
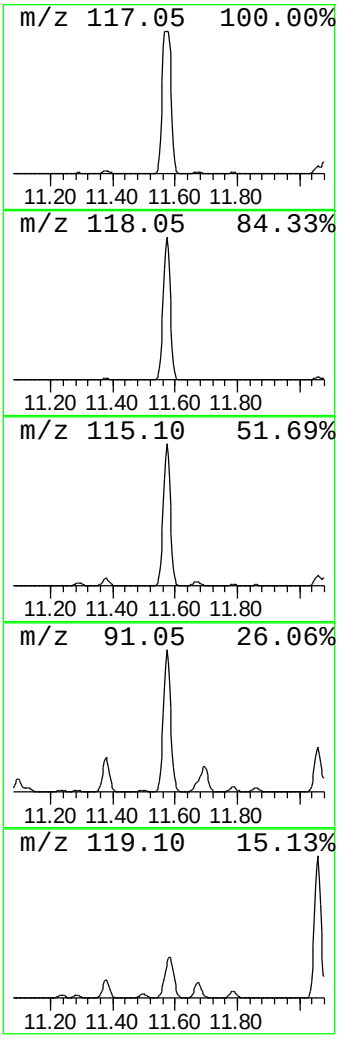
Peak Number 55 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	179.10 ug/L	69418300	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	94
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	81
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	81





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

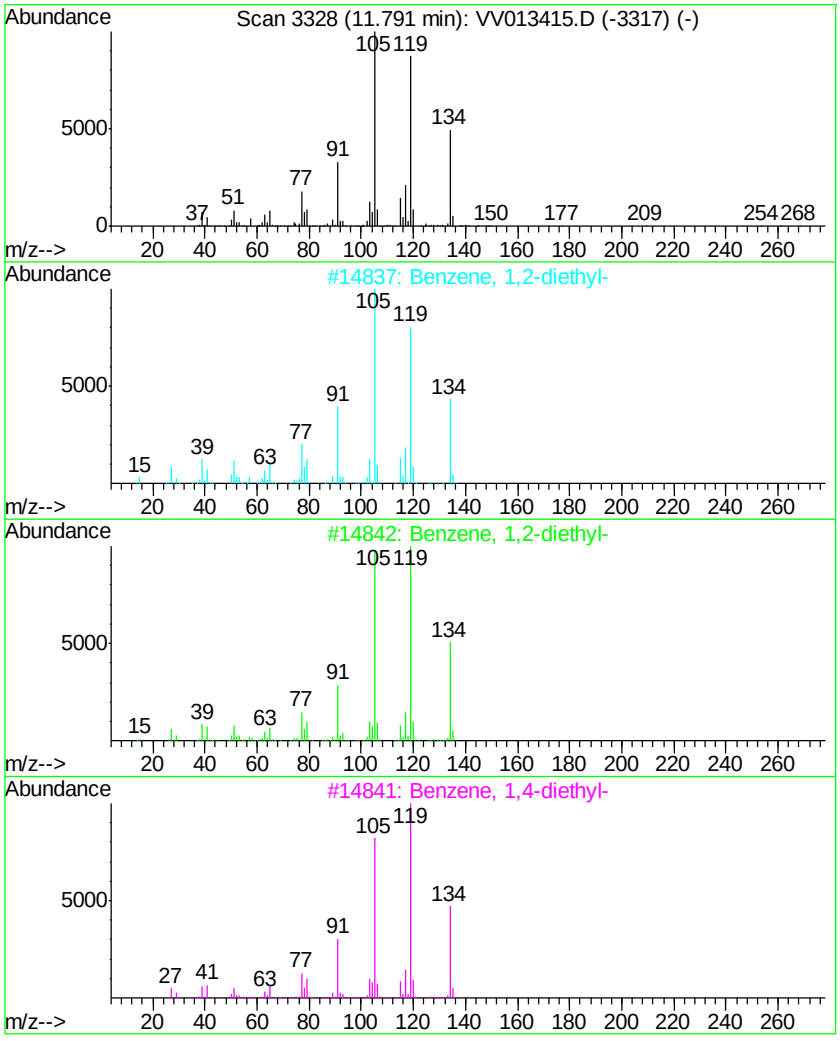
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

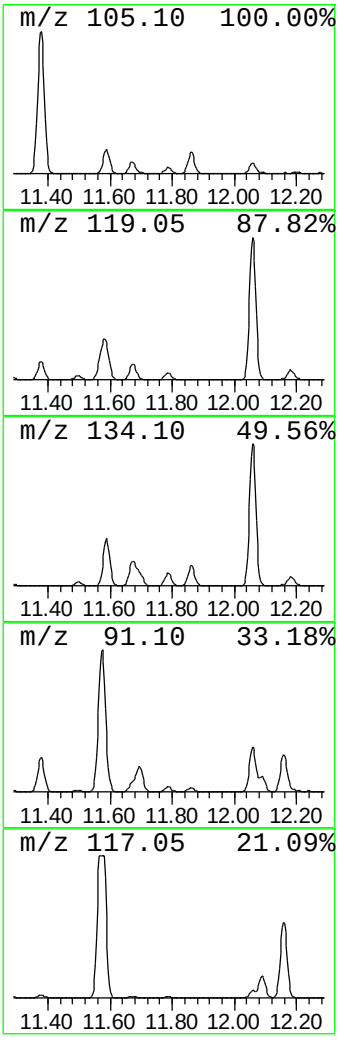
****

Peak Number 56 Benzene, 1,2-diethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	4.62 ug/L	1789690	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

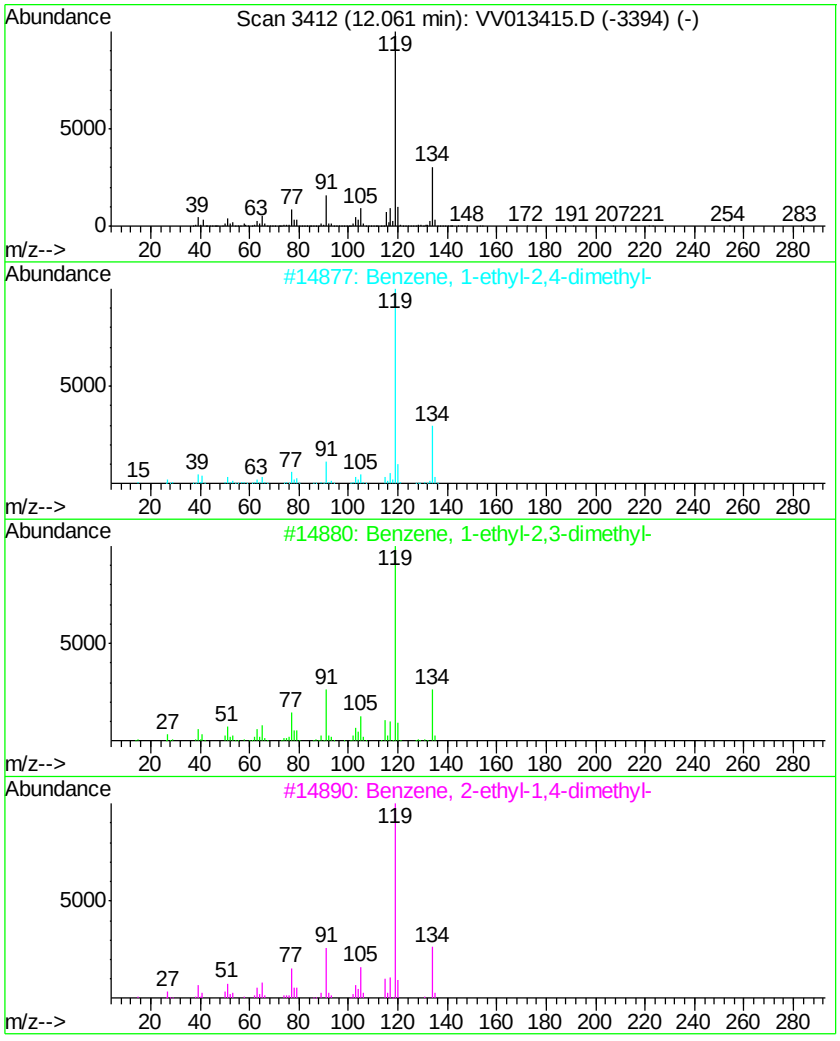
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

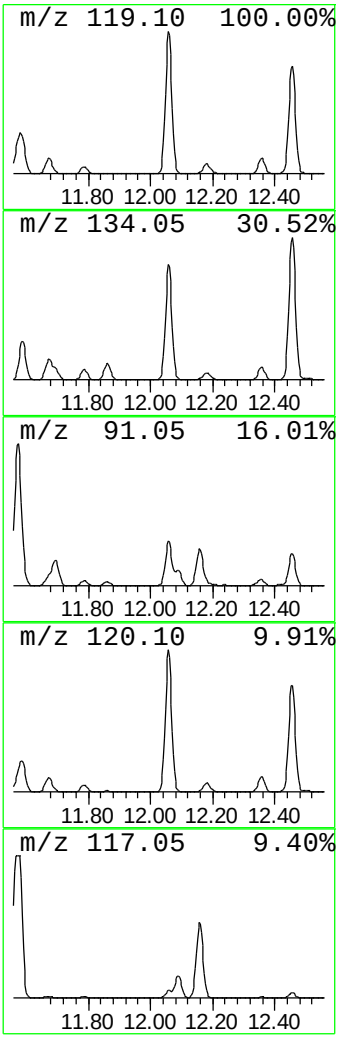
****

Peak Number 58 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	49.04 ug/L	19008500	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

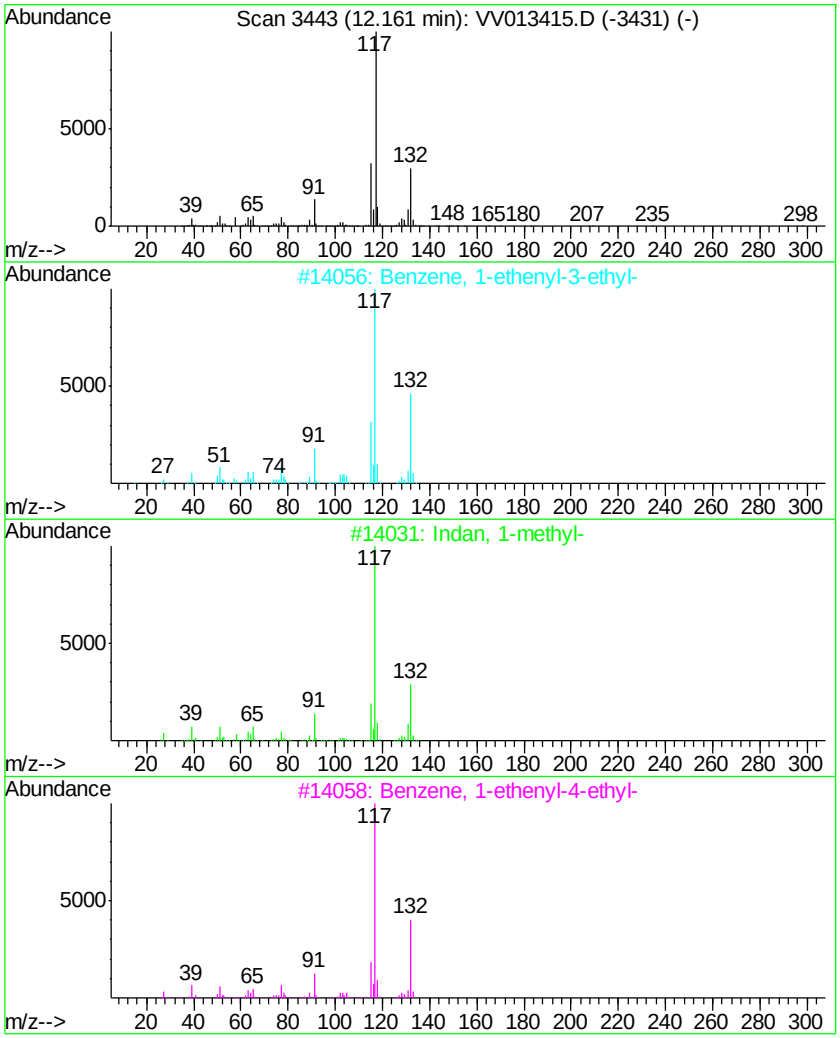
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

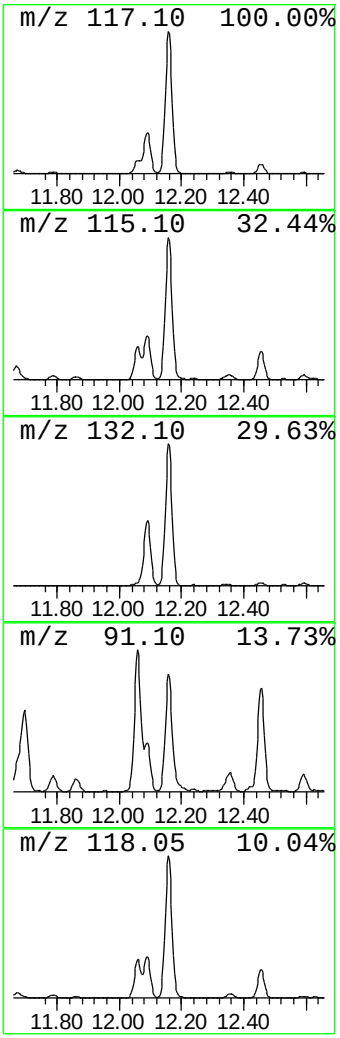
****

Peak Number 59 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	52.18 ug/L	20222900	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	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

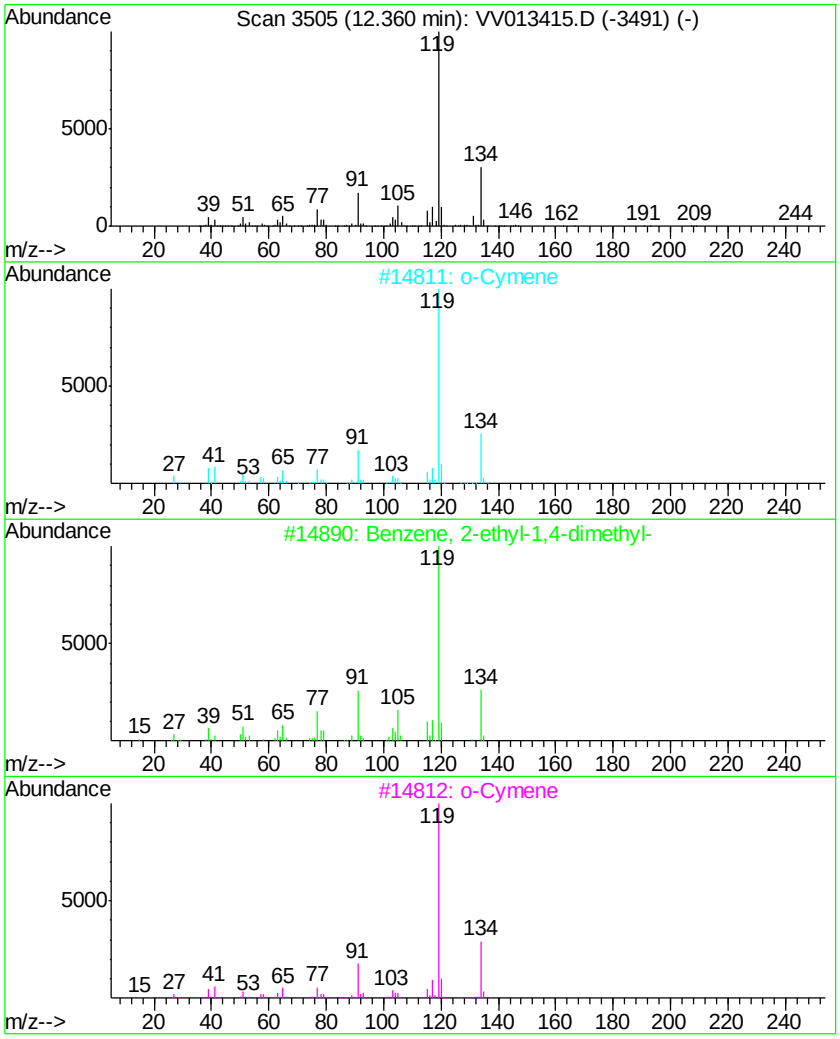
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

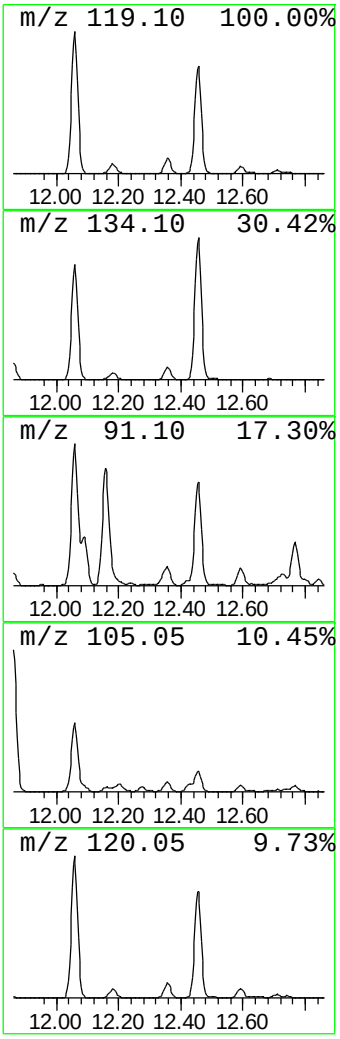
****

Peak Number 60 o-Cymene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	6.80 ug/L	2636920	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

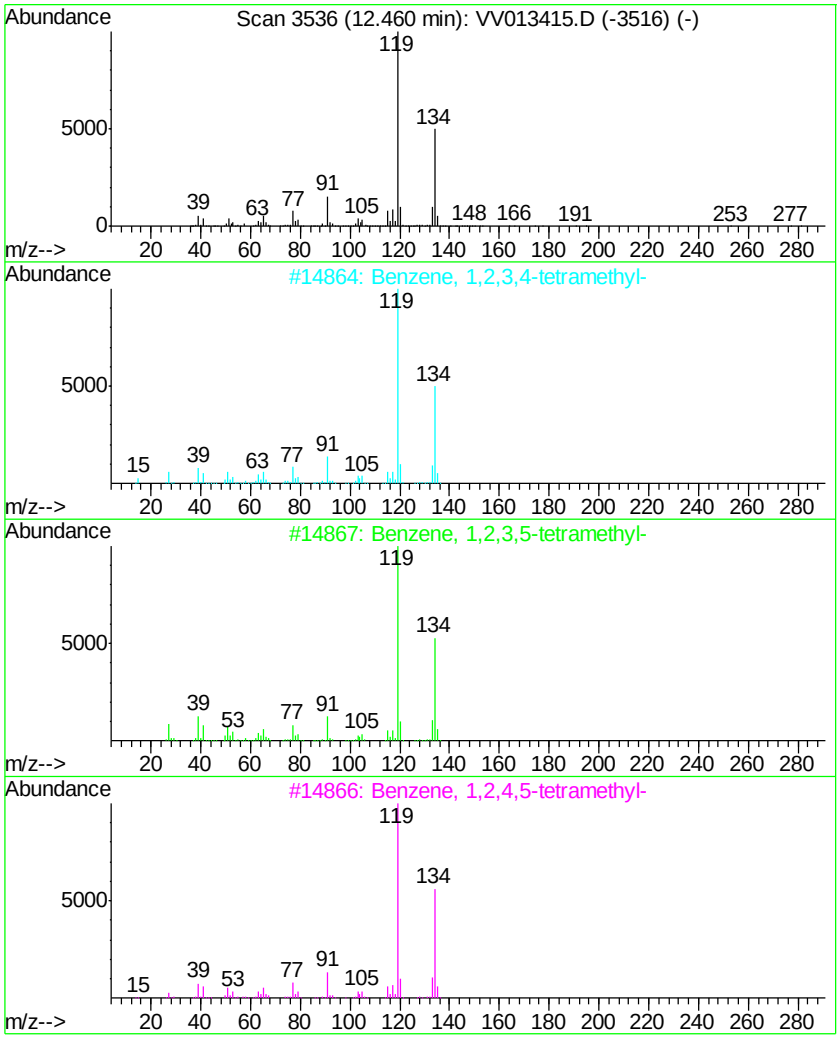
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

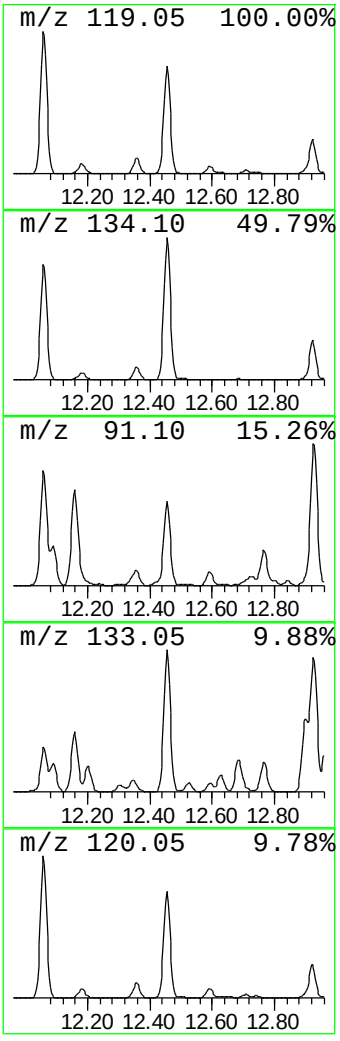
****

Peak Number 61 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	39.11 ug/L	15157400	1,4-Dichlorobenzene-d4	11.29

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





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

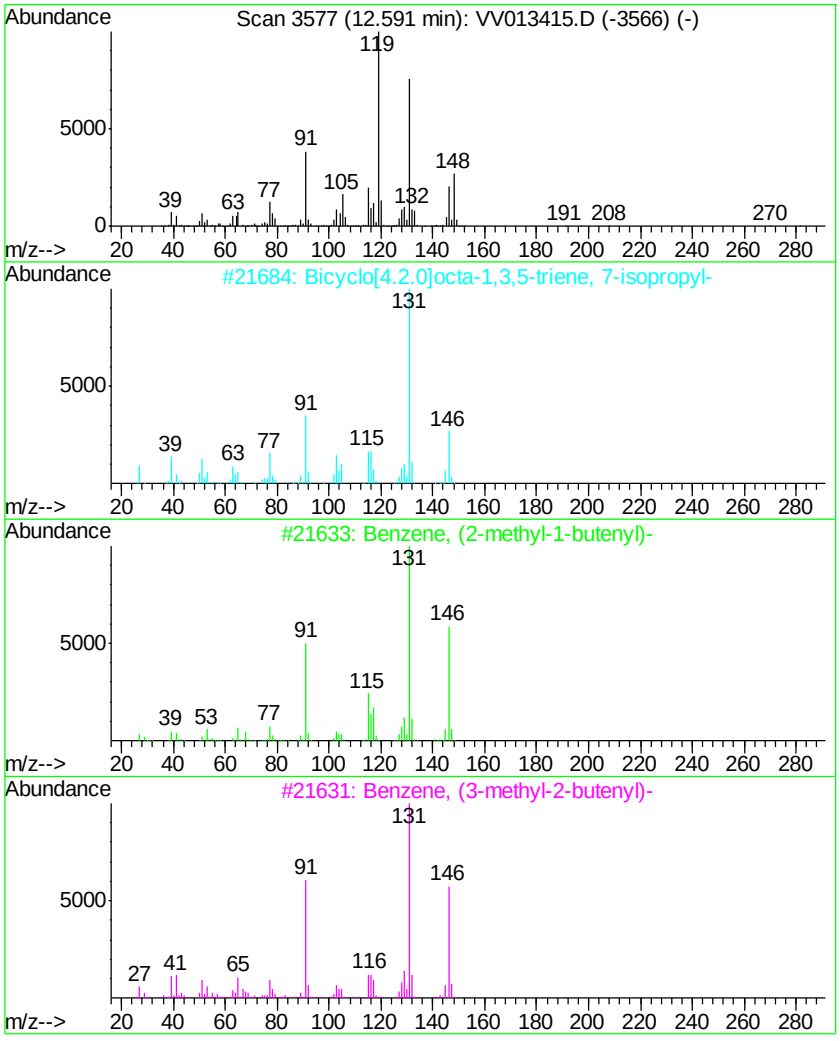
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

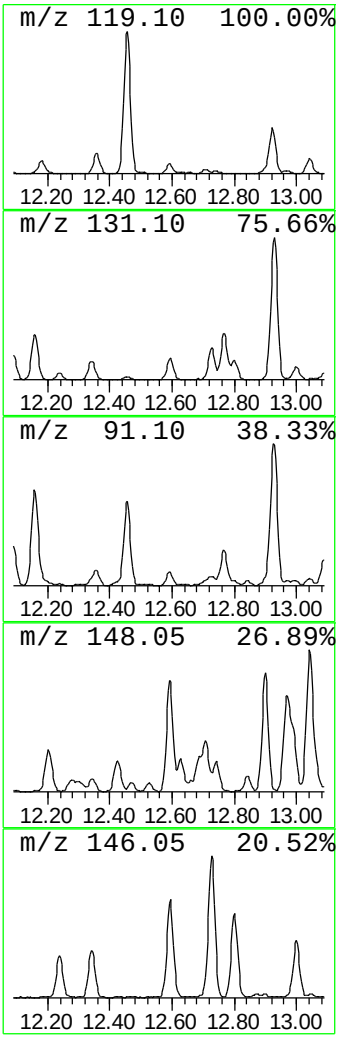
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	4.66 ug/L	1805590	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	86
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64





Library Search Compound Report

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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

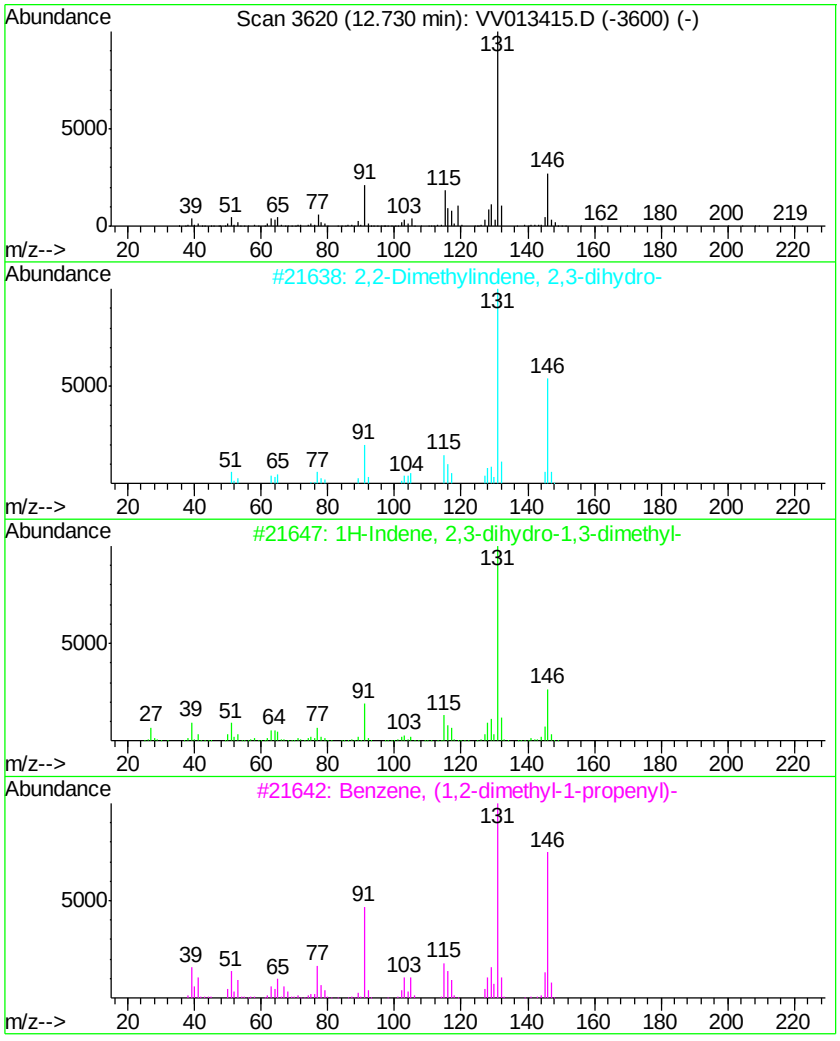
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

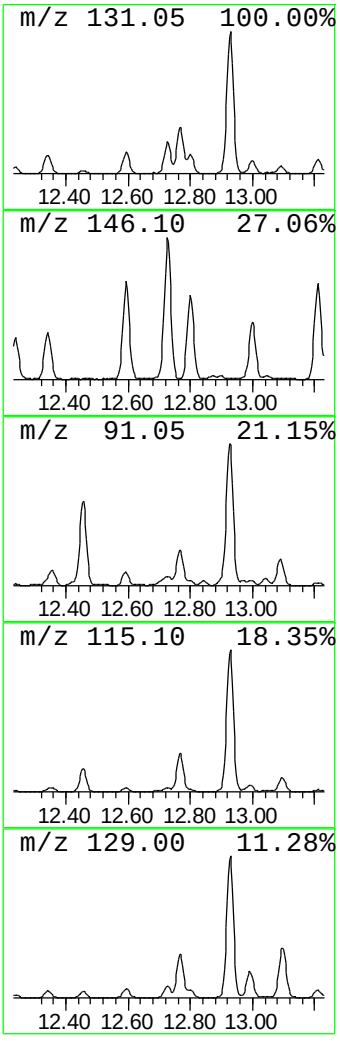
****

Peak Number 63 2,2-Dimethylindene, 2,3-dih... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	4.40 ug/L	1705010	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	90
5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	90





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

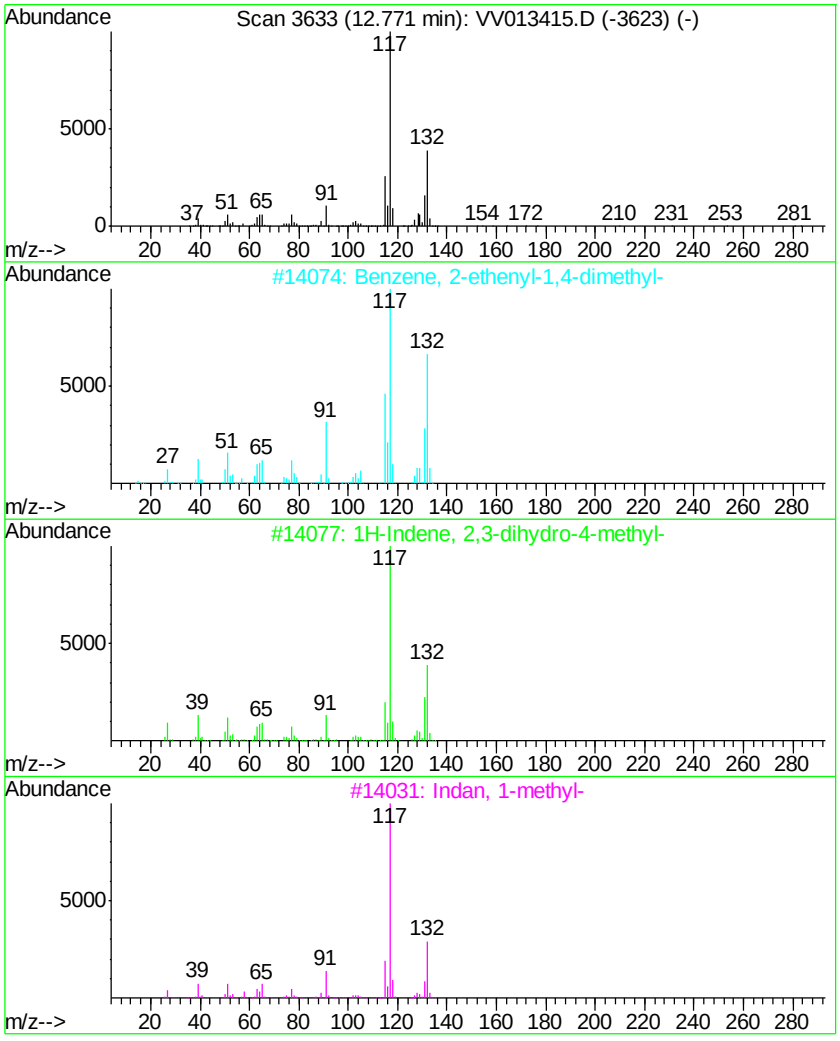
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

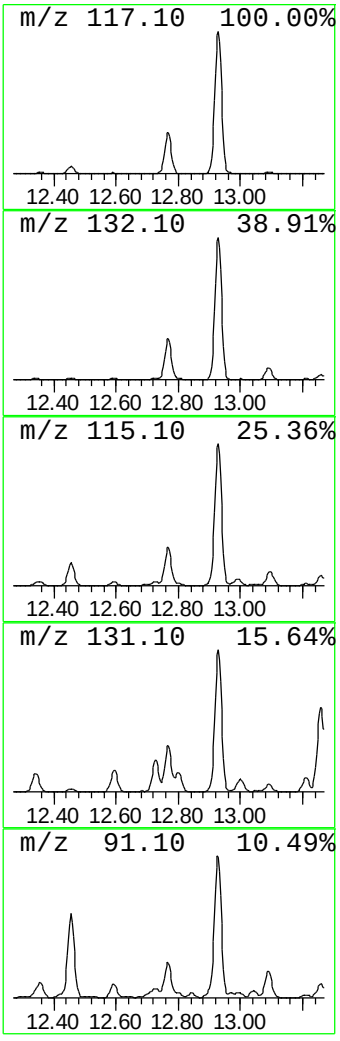
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	23.54 ug/L	9122780	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

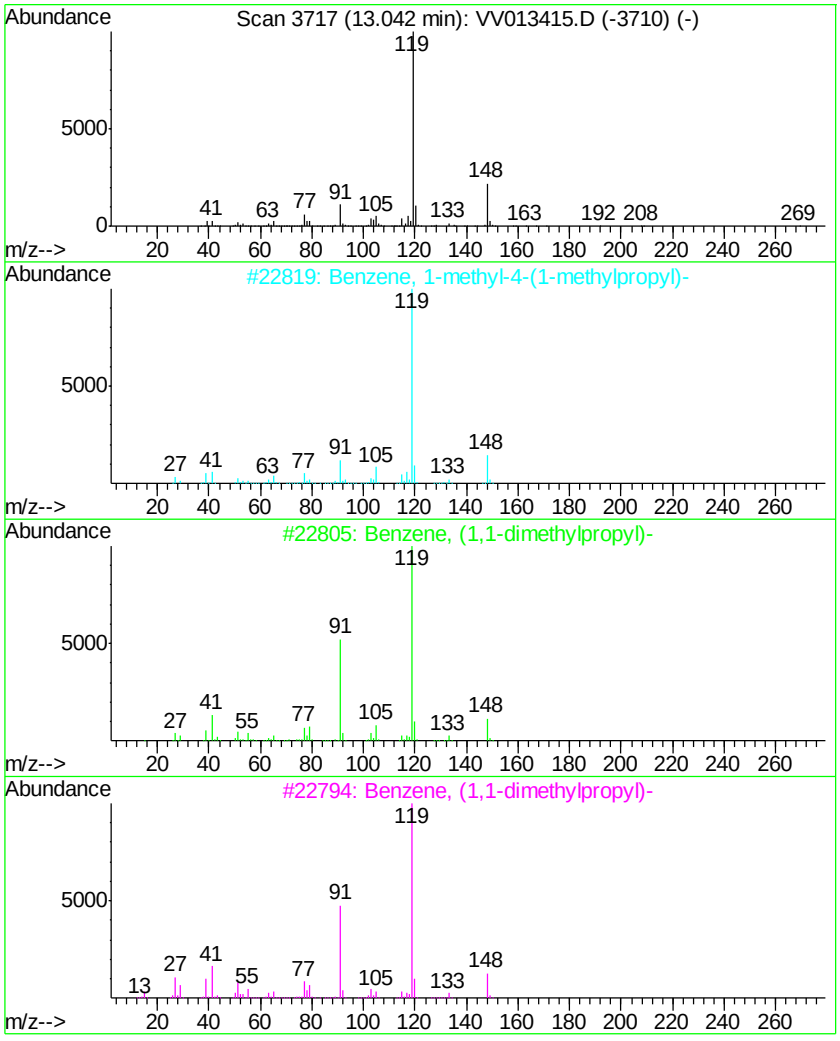
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

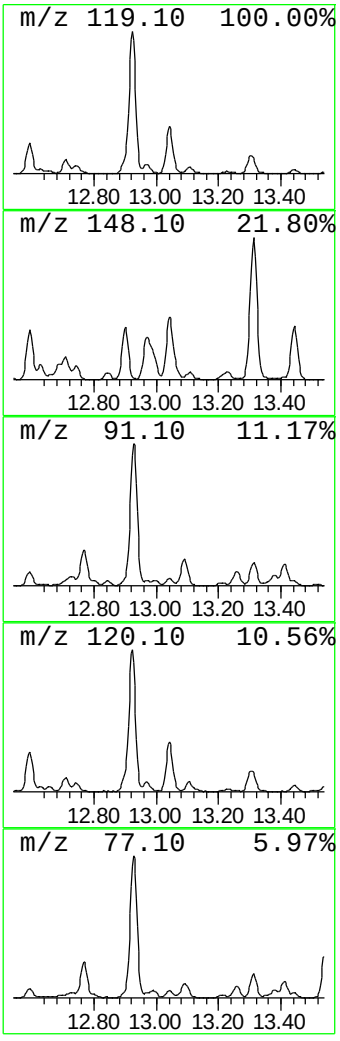
****

Peak Number 66 Benzene, 1-methyl-4-(1-meth... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.51 ug/L	971411	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	90
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	72
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

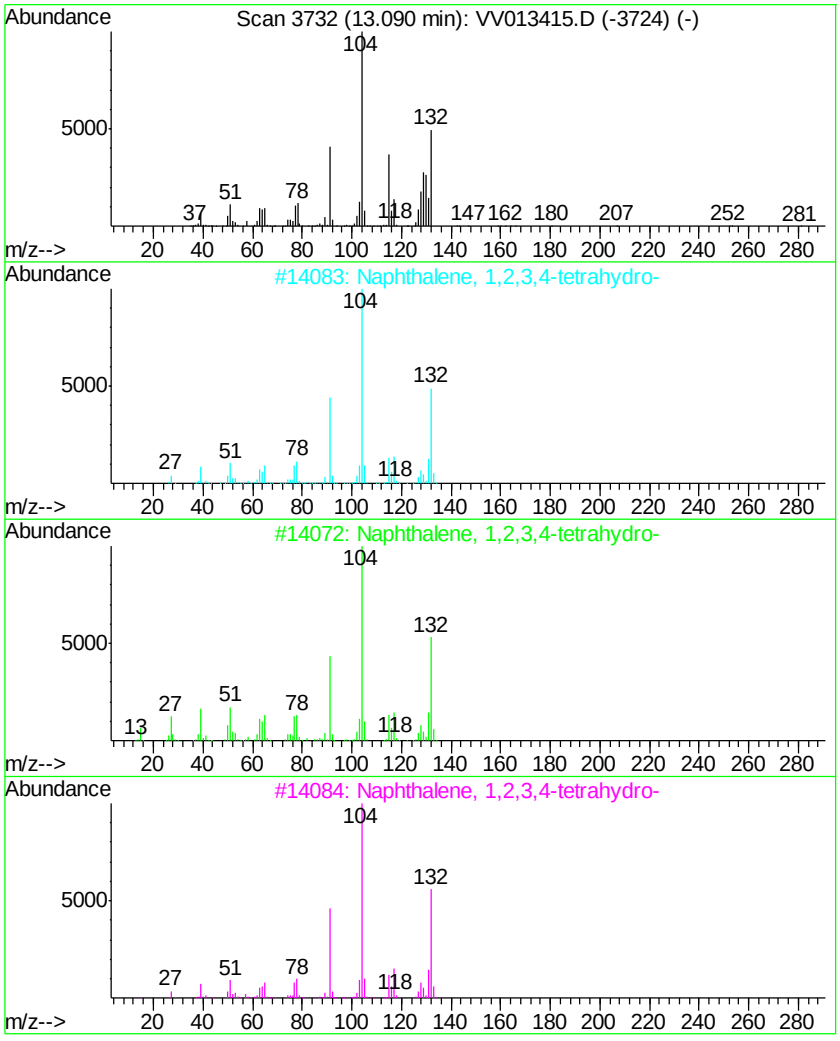
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

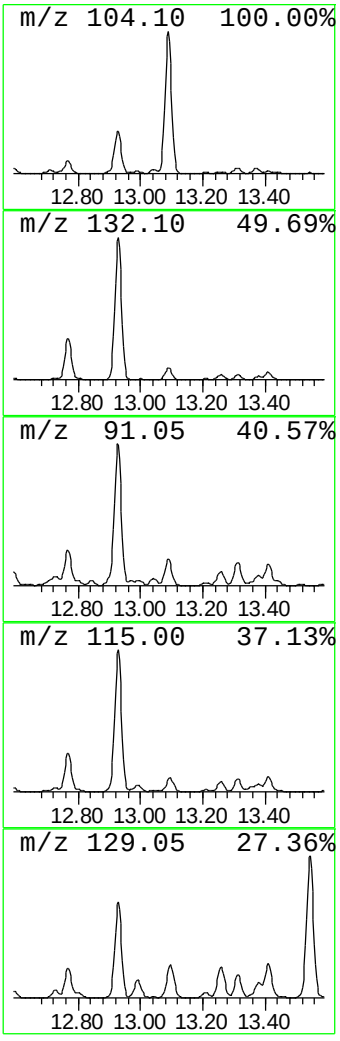
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	9.44 ug/L	3657350	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
5	Indan, epoxide	132	C9H8O	000768-22-9	43





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Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

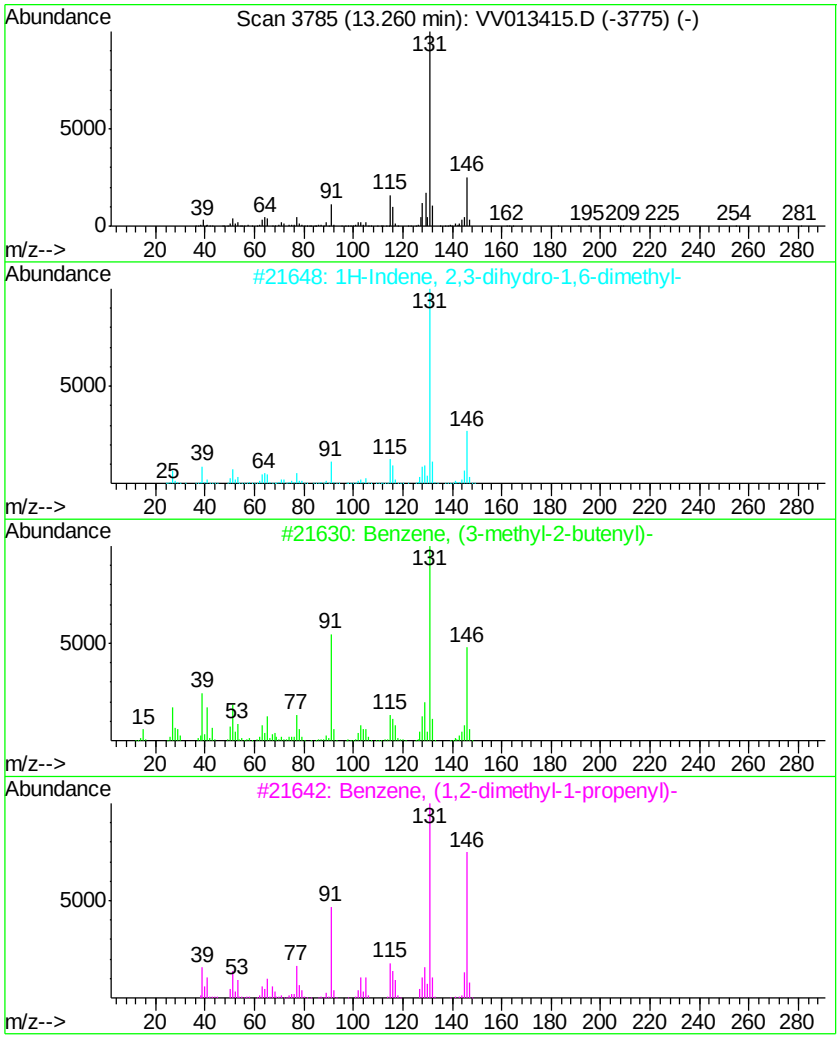
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

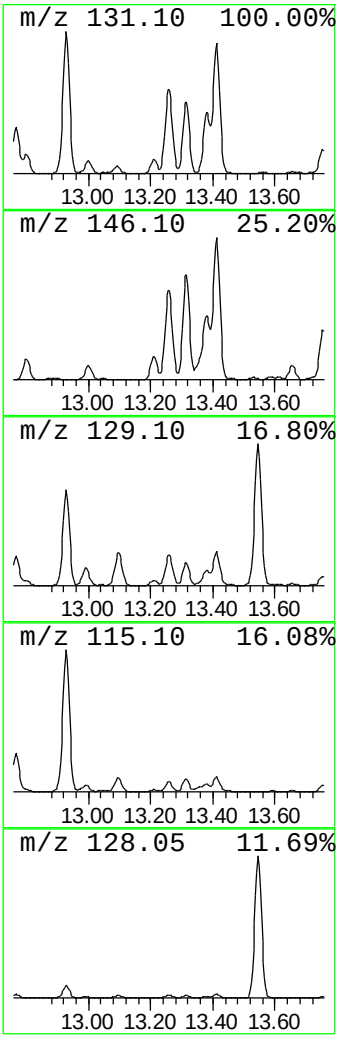
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	7.33 ug/L	2842530	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	95
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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

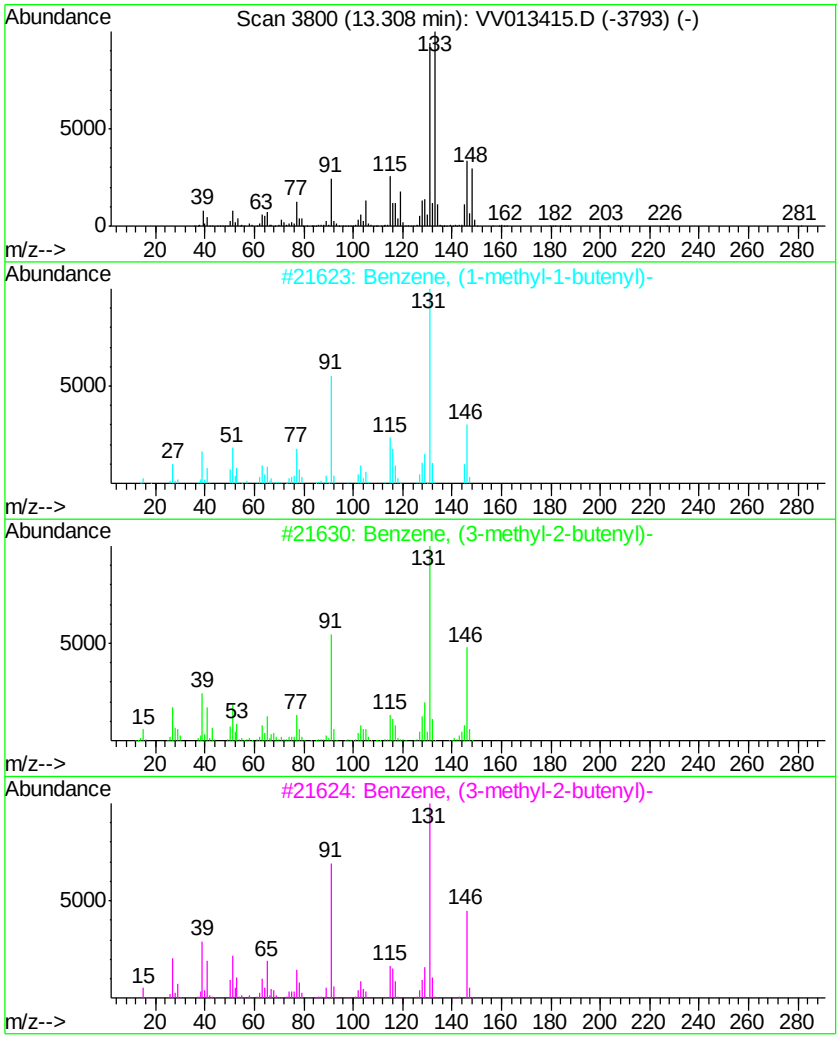
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

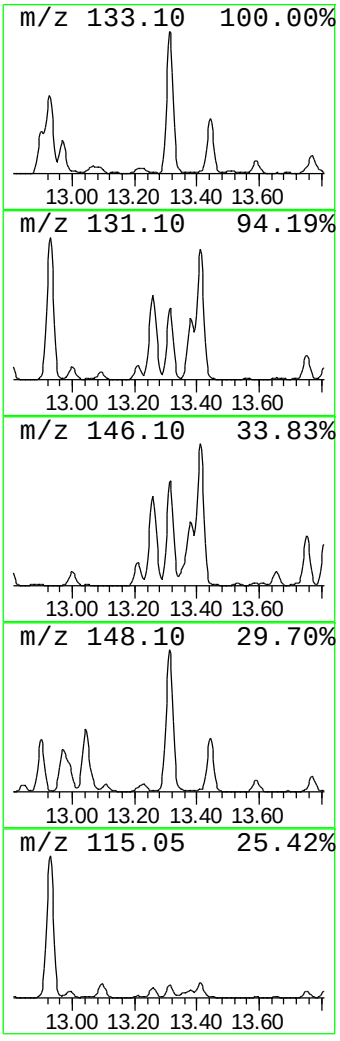
****

Peak Number 69 Benzene, (1-methyl-1-butenyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	12.31 ug/L	4772190	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

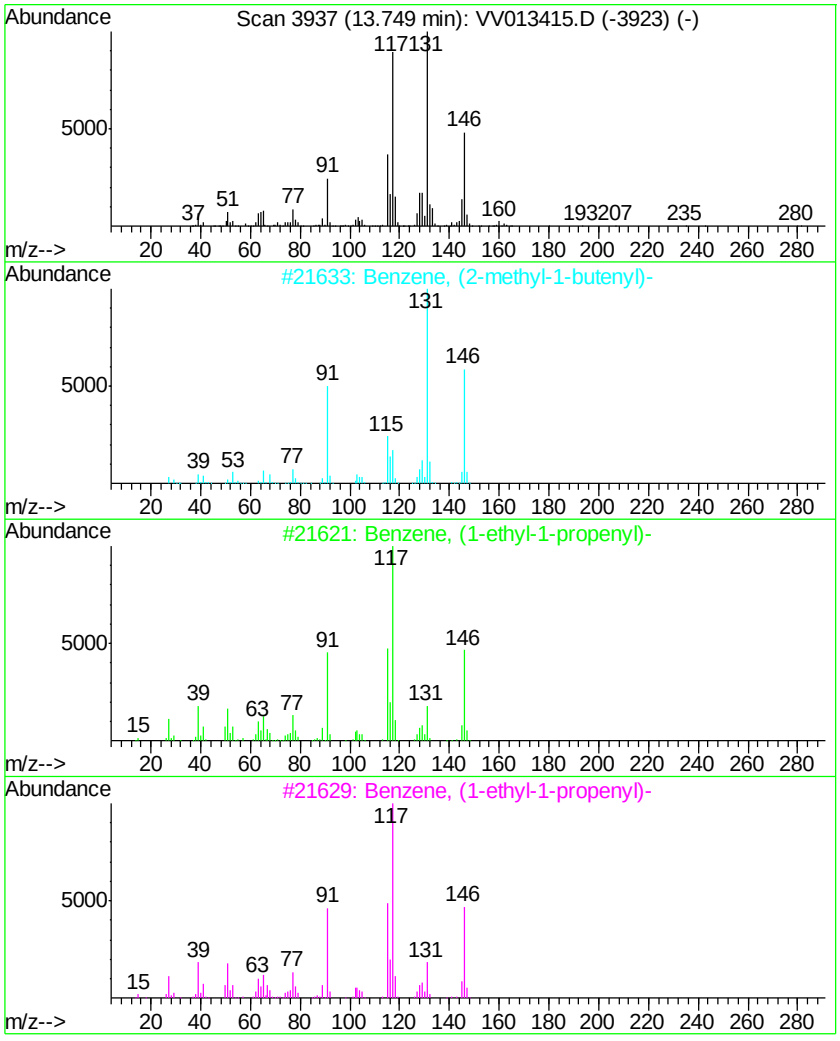
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

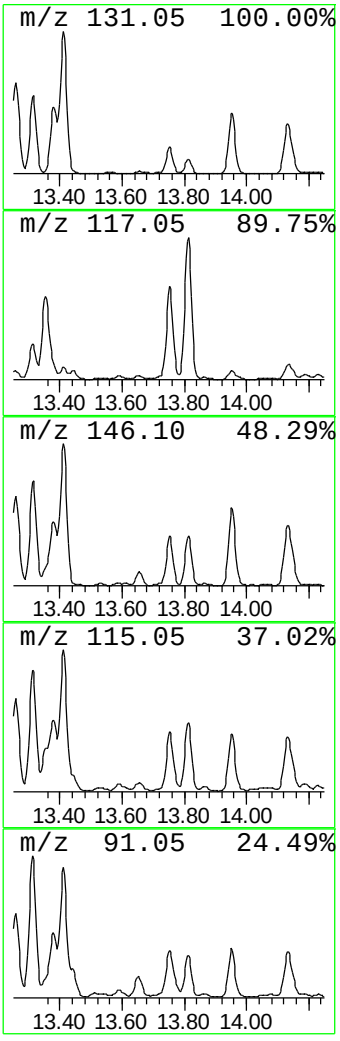
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 73 Benzene, (2-methyl-1-butenyl)- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	5.03 ug/L	1950550	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	78
3	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	78
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	68
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102919\
Data File : VV013415.D
Acq On : 29 Oct 2019 23:53
Operator : SY/MD
Sample : K5597-16
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAQE5

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...	1.23	0.8	ug/L	1675030	1	5.66	9982060	5.0
(DEL) Alkane: Str...	1.65	22.9	ug/L	45793100	1	5.66	9982060	5.0
(DEL) Alkane: Str...	1.83	3.9	ug/L	7742310	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	2.05	6.6	ug/L	13265500	1	5.66	9982060	5.0
(DEL) Alkane: Str...	2.52	7.6	ug/L	15141800	1	5.66	9982060	5.0
(DEL) Alkane: Str...	2.56	8.5	ug/L	16891400	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	2.60	11.2	ug/L	22382900	1	5.66	9982060	5.0
(DEL) Alkane: Str...	2.79	11.6	ug/L	23223300	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	2.97	0.6	ug/L	1130160	1	5.66	9982060	5.0
(DEL) Alkane: Str...	3.07	1.4	ug/L	2802780	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	3.31	3.9	ug/L	7851240	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	3.41	3.0	ug/L	5933180	1	5.66	9982060	5.0
Cyclopentene, 3-m...	3.47	0.6	ug/L	1098000	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	3.62	3.7	ug/L	7394090	1	5.66	9982060	5.0
(DEL) Alkane: Str...	3.71	1.8	ug/L	3617190	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	3.81	26.1	ug/L	52080100	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	4.31	0.8	ug/L	1547470	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	4.45	1.9	ug/L	3697800	1	5.66	9982060	5.0
1,4-Pentadiene, 2...	4.50	3.0	ug/L	5946260	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	4.64	0.7	ug/L	1472880	1	5.66	9982060	5.0
(DEL) Alkane: Str...	4.81	8.2	ug/L	16363000	1	5.66	9982060	5.0
(DEL) Alkane: Str...	4.96	2.6	ug/L	5215660	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	5.22	5.1	ug/L	10202600	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	5.37	7.9	ug/L	15810600	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	5.53	0.9	ug/L	1779920	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	5.82	0.6	ug/L	1187170	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	5.88	0.7	ug/L	1350340	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	5.98	5.3	ug/L	10538600	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	6.41	2.2	ug/L	4429110	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	6.50	1.2	ug/L	2334940	1	5.66	9982060	5.0
Cyclohexene, 4-me...	6.61	2.9	ug/L	5849700	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	6.68	2.4	ug/L	4822810	1	5.66	9982060	5.0
Cyclobutane, (1-m...	6.84	4.2	ug/L	8365580	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	7.00	0.8	ug/L	1504670	1	5.66	9982060	5.0
Cyclohexene, 1-me...	7.21	3.5	ug/L	6901240	1	5.66	9982060	5.0
(DEL) Alkane: Cyc...	7.48	6.2	ug/L	1330250	2	8.89	1072760	5.0
(DEL) Alkane: Cyc...	7.74	4.5	ug/L	957617	2	8.89	1072760	5.0
(DEL) Alkane: Cyc...	7.83	14.3	ug/L	3069610	2	8.89	1072760	5.0
Cyclopentene, 1,2...	7.88	18.4	ug/L	3943400	2	8.89	1072760	5.0
1,3-Dimethyl-1-cy...	8.18	5.4	ug/L	1163880	2	8.89	1072760	5.0
(DEL) Alkane: Cyc...	8.27	9.2	ug/L	1962870	2	8.89	1072760	5.0
(DEL) Alkane: Cyc...	8.33	8.3	ug/L	1774660	2	8.89	1072760	5.0
(DEL) Alkane: Cyc...	8.39	5.1	ug/L	1092790	2	8.89	1072760	5.0
Cyclohexene, 1,6-...	8.55	5.8	ug/L	1234120	2	8.89	1072760	5.0
Pentalene, octahy...	8.97	9.2	ug/L	1971070	2	8.89	1072760	5.0
(DEL) Alkane: Cyc...	9.51	4.6	ug/L	990455	2	8.89	1072760	5.0
Propylidencyclohe...	9.75	5.0	ug/L	1075210	2	8.89	1072760	5.0
Benzene, propyl-	10.39	47.5	ug/L	18390800	3	11.29	1937950	5.0
Benzene, 1-ethyl-...	10.51	3.9	ug/L	1526090	3	11.29	1937950	5.0

Benzene, 1,2,3-tr...	10.58	2.2	ug/L	850807	3	11.29	1937950	5.0
Benzene, (2-methy...	11.10	2.4	ug/L	932003	3	11.29	1937950	5.0
Benzene, 1-methyl...	11.13	3.3	ug/L	1269600	3	11.29	1937950	5.0
Indane	11.58	179.1	ug/L	69418300	3	11.29	1937950	5.0
Benzene, 1,2-diet...	11.79	4.6	ug/L	1789690	3	11.29	1937950	5.0
Benzene, 1-ethyl-...	12.06	49.0	ug/L	19008500	3	11.29	1937950	5.0
Benzene, 1-etheny...	12.16	52.2	ug/L	20222900	3	11.29	1937950	5.0
o-Cymene	12.36	6.8	ug/L	2636920	3	11.29	1937950	5.0
Benzene, 1,2,3,4-...	12.46	39.1	ug/L	15157400	3	11.29	1937950	5.0
Bicyclo[4.2.0]oct...	12.59	4.7	ug/L	1805590	3	11.29	1937950	5.0
2,2-Dimethylinden...	12.73	4.4	ug/L	1705010	3	11.29	1937950	5.0
Benzene, 2-etheny...	12.77	23.5	ug/L	9122780	3	11.29	1937950	5.0
Benzene, 1-methyl...	13.04	2.5	ug/L	971411	3	11.29	1937950	5.0
Naphthalene, 1,2,...	13.09	9.4	ug/L	3657350	3	11.29	1937950	5.0
1H-Indene, 2,3-di...	13.26	7.3	ug/L	2842530	3	11.29	1937950	5.0
Benzene, (1-methy...	13.31	12.3	ug/L	4772190	3	11.29	1937950	5.0
Benzene, (2-methy...	13.75	5.0	ug/L	1950550	3	11.29	1937950	5.0

Instrument :
MSVOA_V
ClientSampleId :
GAQE5