LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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	24	rVB	102195	107962	1.44%	0.112%
2	1.225	36	42	48	rVB	201404	164892	2.20%	0.171%
3	1.315	62	70	79	rBV	865325	866908	11.59%	0.897%
4	1.582	146	153	163	rVB	177910	203504	2.72%	0.211%
5	1.647	163	173	186	rBV	4129563	4984757	66.62%	5.161%
6	1.823	218	228	241	rVB3	524315	782959	10.46%	0.811%
7	2.042	286	296	308	rVB	1058732	1430697	19.12%	1.481%
8	2.129	313	323	341	rVB2	365608	781857	10.45%	0.809%
9	2.521	415	445	449	rBV2	815021	1647236	22.01%	1.705%
10	2.553	450	455	462	rVV	1088557	1821968	24.35%	1.886%
11	2.602	462	470	490	rVB2	1232415	2320965	31.02%	2.403%
12	2.788	512	528	545	rBV	1219157	2394640	32.00%	2.479%
13	2.968	570	584	598	rBV2	66248	136736	1.83%	0.142%
14	3.071	602	616	631	rVB2	146205	281804	3.77%	0.292%
15	3.309	675	690	705	rBV	400858	849426	11.35%	0.879%
16	3.402	705	719	732	rVV	280614	638893	8.54%	0.661%
17	3.470	732	740	751	rVV3	48630	107576	1.44%	0.111%
18	3.618	773	786	803	rVV	318796	852745	11.40%	0.883%
19	3.708	805	814	827	rVV	168412	423127	5.65%	0.438%
20	3.804	827	844	860	rVV	2149921	5387442	72.00%	5.577%
21	3.888	861	870	881	rVV2	214107	521021	6.96%	0.539%
22	3.962	881	893	944	rVB	170973	767492	10.26%	0.795%
23	4.309	978	1001	1013	rBV6	49399	160948	2.15%	0.167%
24	4.399	1013	1029	1037	rBV	290063	695203	9.29%	0.720%
25	4.502	1053	1061	1080	rVB2	383123	871784	11.65%	0.903%
26	4.637	1087	1103	1113	rBV3	58565	148799	1.99%	0.154%
27	4.724	1113	1130	1144	rBV2	1475029	3602490	48.15%	3.730%
28	4.807	1144	1156	1182	rVB	633484	1759175	23.51%	1.821%
29	4.955	1186	1202	1207	rBV2	235113	527465	7.05%	0.546%
30	5.093	1229	1245	1251	rBV2	729012	1587736	21.22%	1.644%
31	5.145	1252	1261	1274	rVV	1895686	4093396	54.71%	4.238%
32	5.219	1274	1284	1293	rVV2	563212	1345357	17.98%	1.393%
33	5.289	1295	1306	1317	rVV6	616599	1809978	24.19%	1.874%
34	5.363	1318	1329	1347	rVB4	702110	1682139	22.48%	1.741%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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	5.531	1367	1381	1396	rBV3	79259	164698	2.20%	0.171%
36	5.662	1409	1422	1429	rBV	471336	982887	13.14%	1.018%
37	5.814	1458	1469	1480	rBV3	61275	118579	1.58%	0.123%
38	5.881	1480	1490	1503	rVB2	75795	135832	1.82%	0.141%
39	5.974	1504	1519	1549	rVB3	544683	1224651	16.37%	1.268%
40	6.116	1549	1563	1568	rBV	418031	813325	10.87%	0.842%
41	6.170	1569	1580	1596	rVB3	1326316	3166391	42.32%	3.278%
42	6.405	1641	1653	1671	rBV2	209803	429907	5.75%	0.445%
43	6.505	1671	1684	1696	rVB2	111158	245827	3.29%	0.254%
44	6.611	1696	1717	1728	rBV5	174982	568851	7.60%	0.589%
45	6.682	1728	1739	1760	rVB6	175724	525430	7.02%	0.544%
46	6.842	1762	1789	1798	rBV3	302517	798943	10.68%	0.827%
47	6.888	1799	1803	1822	rVB8	83452	180950	2.42%	0.187%
48	7.029	1825	1847	1857	rBV3	263874	613034	8.19%	0.635%
49	7.209	1889	1903	1917	rVB4	349076	703651	9.40%	0.728%
50	7.309	1920	1934	1939	rBV3	254147	516727	6.91%	0.535%
51	7.357	1940	1949	1962	rVB	868376	1605129	21.45%	1.662%
52	7.428	1963	1971	1981	rBV	184895	292871	3.91%	0.303%
53	7.482	1981	1988	1996	rBV6	68027	109175	1.46%	0.113%
54	7.630	2025	2034	2037	rBV2	62170	91408	1.22%	0.095%
55	7.662	2038	2044	2048	rVV	123874	193947	2.59%	0.201%
56	7.695	2049	2054	2063	rVV2	178924	306144	4.09%	0.317%
57	7.740	2064	2068	2077	rVB3	64481	88014	1.18%	0.091%
58	7.830	2077	2096	2104	rBV2	148872	303260	4.05%	0.314%
59	7.881	2104	2112	2137	rVB	193089	373690	4.99%	0.387%
60	8.135	2179	2191	2210	rBV3	828801	1814829	24.25%	1.879%
61	8.273	2226	2234	2243	rVB5	91969	186772	2.50%	0.193%
62	8.331	2243	2252	2260	rBV	100960	159701	2.13%	0.165%
63	8.550	2307	2320	2334	rBV4	61264	117087	1.56%	0.121%
64	8.894	2416	2427	2437	rBV	713166	1153433	15.42%	1.194%
65	9.055	2469	2477	2493	rVB	119409	199968	2.67%	0.207%
66	9.177	2497	2515	2529	rVV	1974772	3193434	42.68%	3.306%
67	9.511	2603	2619	2635	rBV7	39322	104540	1.40%	0.108%
68	9.746	2675	2692	2699	rBV4	48334	100628	1.34%	0.104%
69	9.971	2751	2762	2779	rBV	432264	695462	9.29%	0.720%
70	10.257	2837	2851	2867	rBV	295639	485453	6.49%	0.503%
71	10.392	2880	2893	2907	rBV	1089091	1661418	22.20%	1.720%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	10.514	2917	2931	2941	rVV	81722	135198	1.81%	0.140%
73	10.778	3002	3013	3032	rBV	391139	609926	8.15%	0.631%
74	11.128	3117	3122	3134	rVB	67578	100264	1.34%	0.104%
75	11.289	3161	3172	3187	rVB	897109	1369513	18.30%	1.418%
76	11.376	3187	3199	3213	rBV	1408830	2110978	28.21%	2.185%
77	11.569	3246	3259	3278	rBV	4612446	7482405	100.00%	7.746%
78	11.669	3278	3290	3309	rVB3	1022315	1770468	23.66%	1.833%
79	11.788	3317	3327	3340	rVB2	105274	165926	2.22%	0.172%
80	11.862	3340	3350	3362	rBV	148951	227673	3.04%	0.236%
81	12.058	3395	3411	3417	rBV	987872	1524226	20.37%	1.578%
82	12.157	3431	3442	3463	rBV	1189202	1899862	25.39%	1.967%
83	12.357	3491	3504	3515	rVB2	114243	212439	2.84%	0.220%
84	12.456	3518	3535	3548	rBV	814250	1214707	16.23%	1.258%
85	12.591	3568	3577	3585	rBV3	95782	145964	1.95%	0.151%
86	12.765	3623	3631	3640	rVV	407209	582524	7.79%	0.603%
87	12.926	3664	3681	3692	rBV2	1986400	3070248	41.03%	3.179%
88	13.093	3724	3733	3752	rVB3	164587	300489	4.02%	0.311%
89	13.257	3776	3784	3792	rVV	144354	219726	2.94%	0.227%
90	13.312	3792	3801	3810	rVV2	254517	364618	4.87%	0.377%
91	13.379	3810	3822	3826	rBV2	97558	158308	2.12%	0.164%
92	13.411	3826	3832	3840	rVB2	199157	266683	3.56%	0.276%
93	13.546	3856	3874	3885	rBV	886663	1384300	18.50%	1.433%
94	13.752	3928	3938	3949	rVV4	86349	149417	2.00%	0.155%
95	13.813	3949	3957	3967	rVB3	86328	134360	1.80%	0.139%
96	13.952	3989	4000	4013	rBV	105913	174113	2.33%	0.180%
97	14.135	4046	4057	4069	rBV2	90565	174502	2.33%	0.181%
98	14.337	4112	4120	4134	rVB3	60910	116759	1.56%	0.121%
99	14.678	4217	4226	4242	rVB	69021	116743	1.56%	0.121%
100	14.861	4273	4283	4295	rBV	138784	225046	3.01%	0.233%

Sum of corrected areas: 96592508

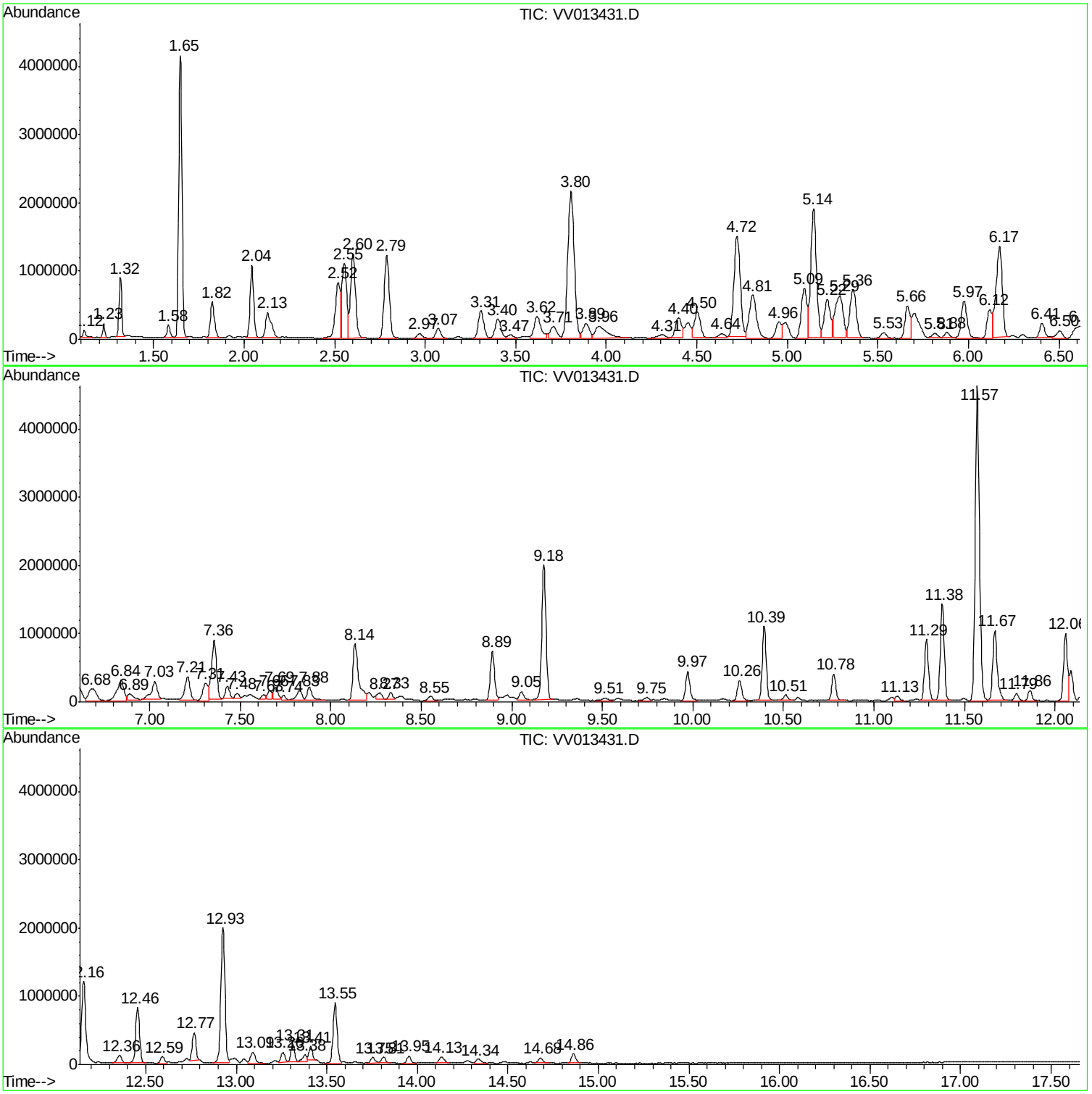
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

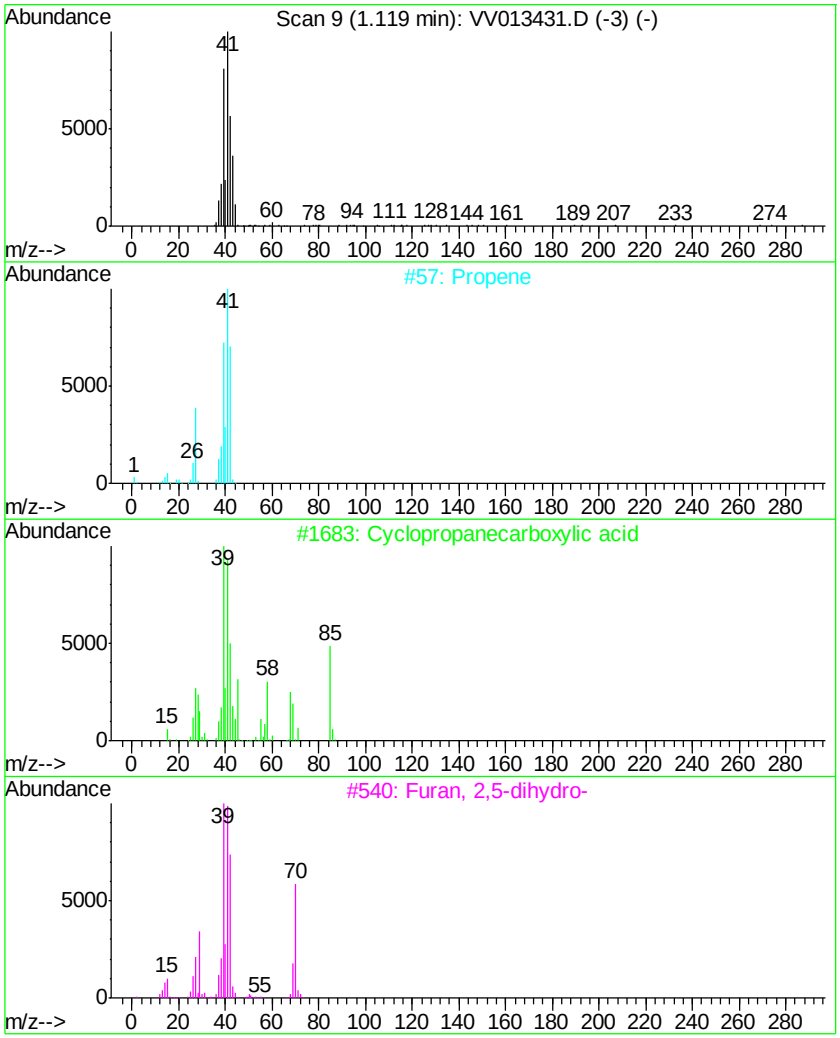
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

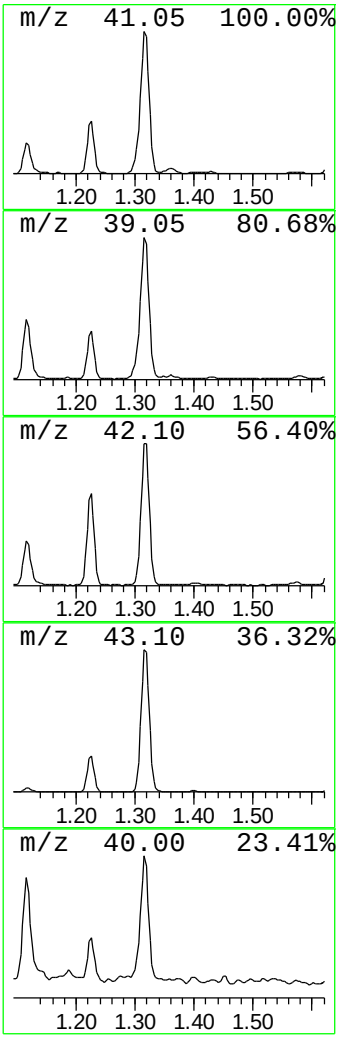
****

Peak Number 1 (DEL) Alkane: Cyclic1.12 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.12	0.55 ug/L	107962	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Cyclopropanecarboxylic acid	86	C4H6O2	001759-53-1	83
3	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	83
4	2-Butenal, (E)-	70	C4H6O	000123-73-9	78
5	Aluminum, tripropyl-	156	C9H21Al	000102-67-0	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

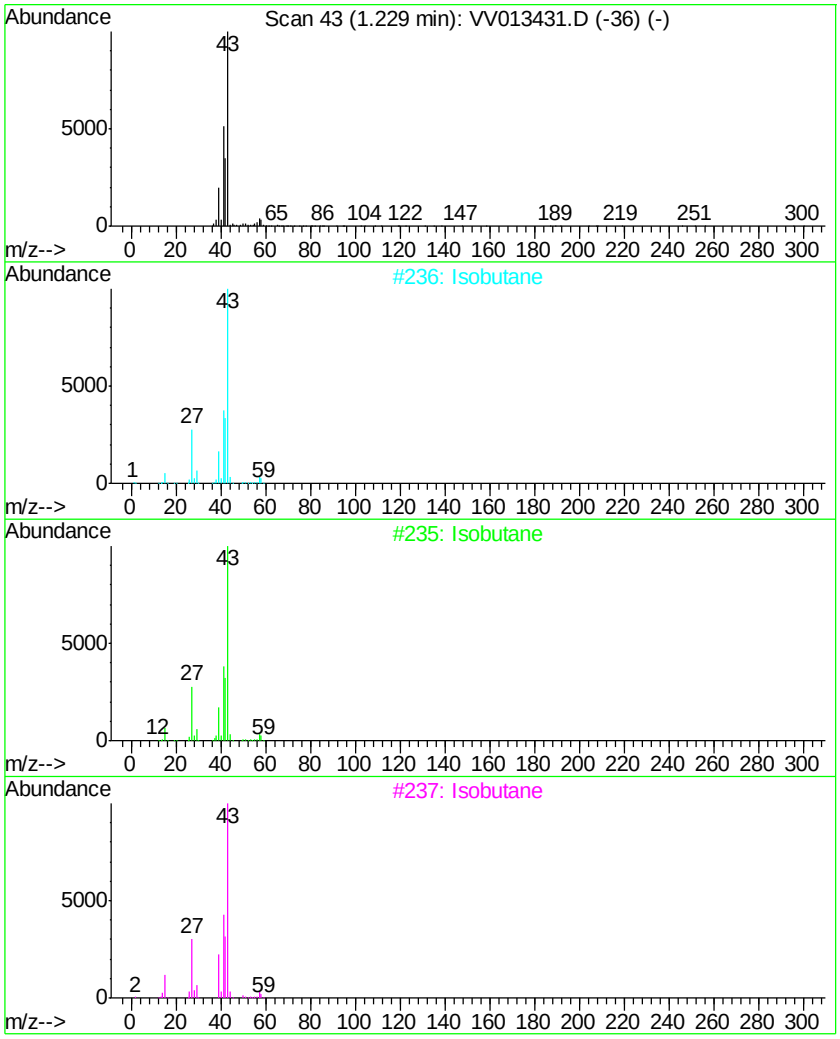
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

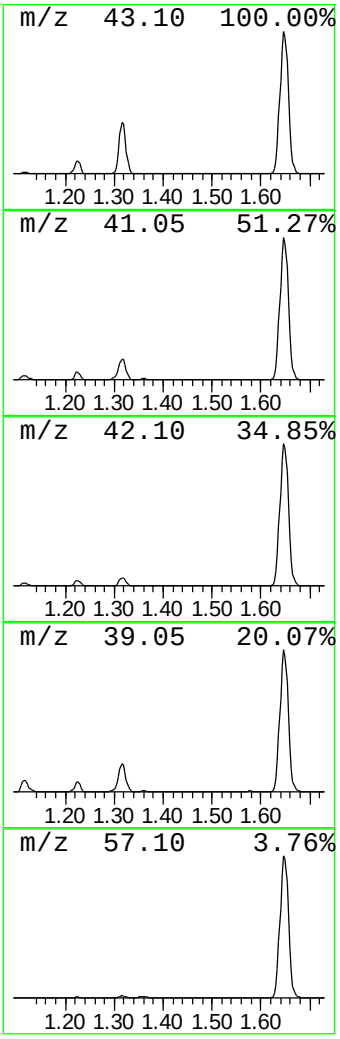
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.23	0.84 ug/L	164892	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	50
4	Isobutane	58	C4H10	000075-28-5	45
5	Isobutyl nitrite	103	C4H9NO2	000542-56-3	25





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

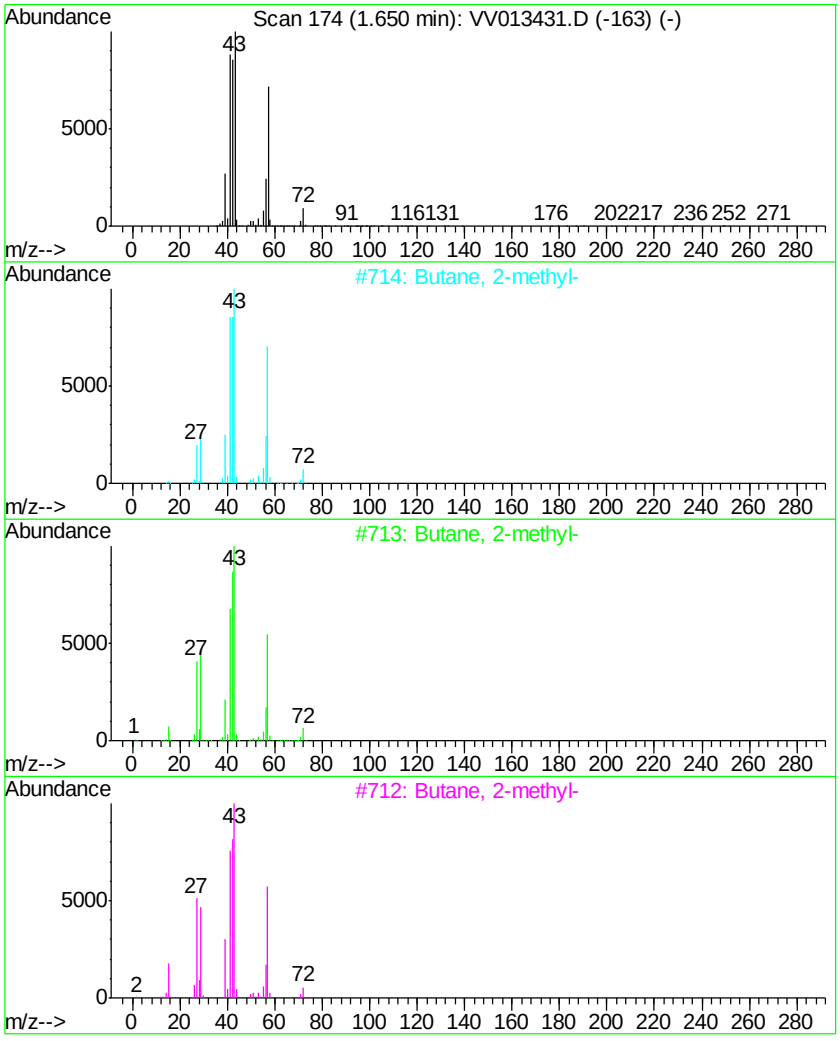
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

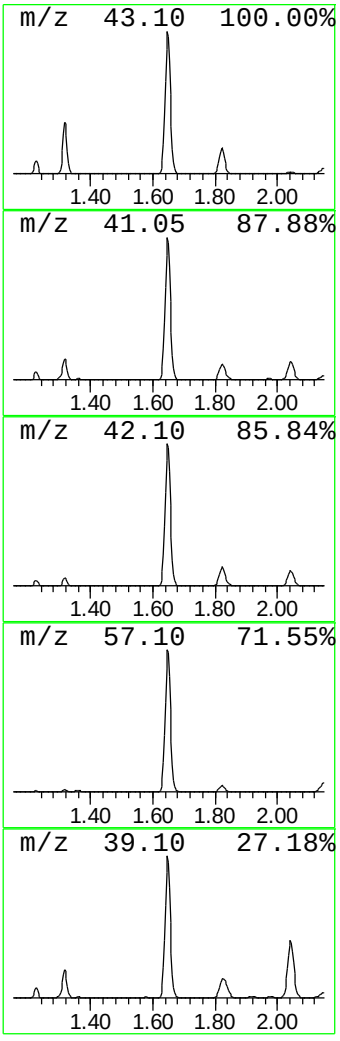
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	25.36 ug/L	4984760	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	90
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

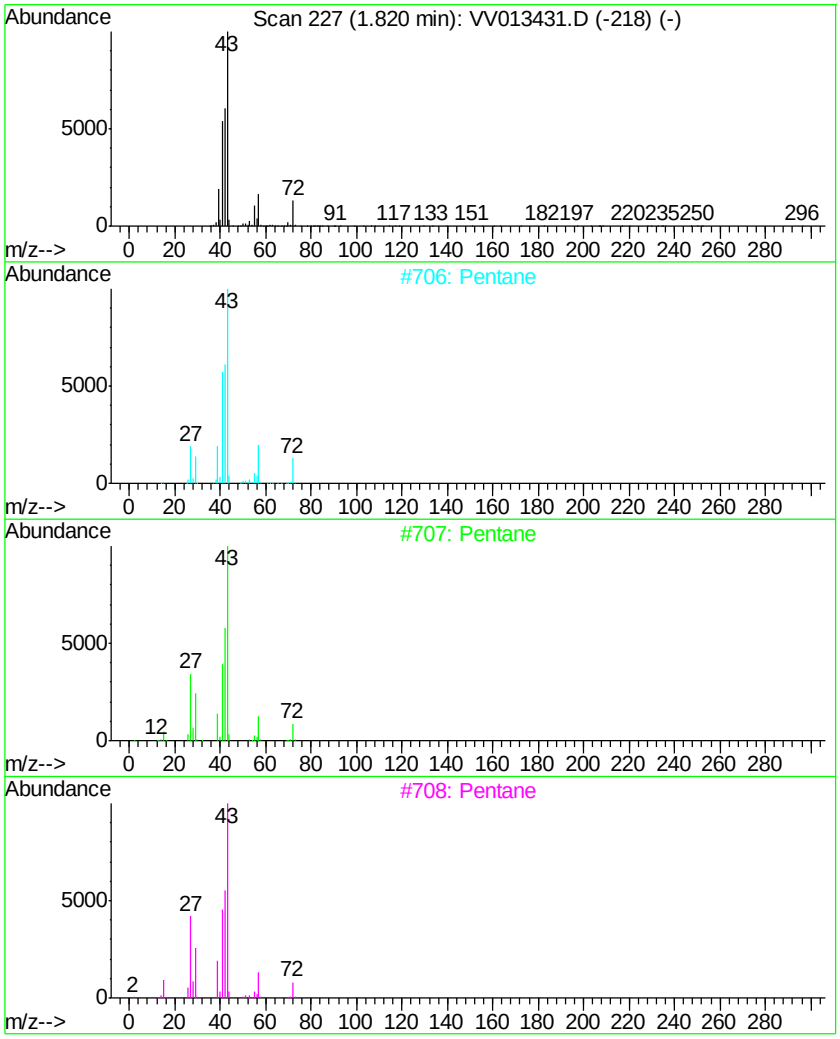
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

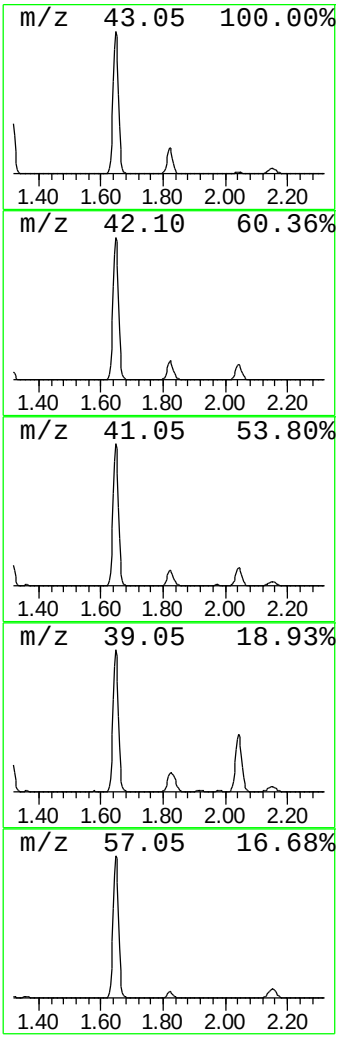
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	3.98 ug/L	782959	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	80
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	72
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

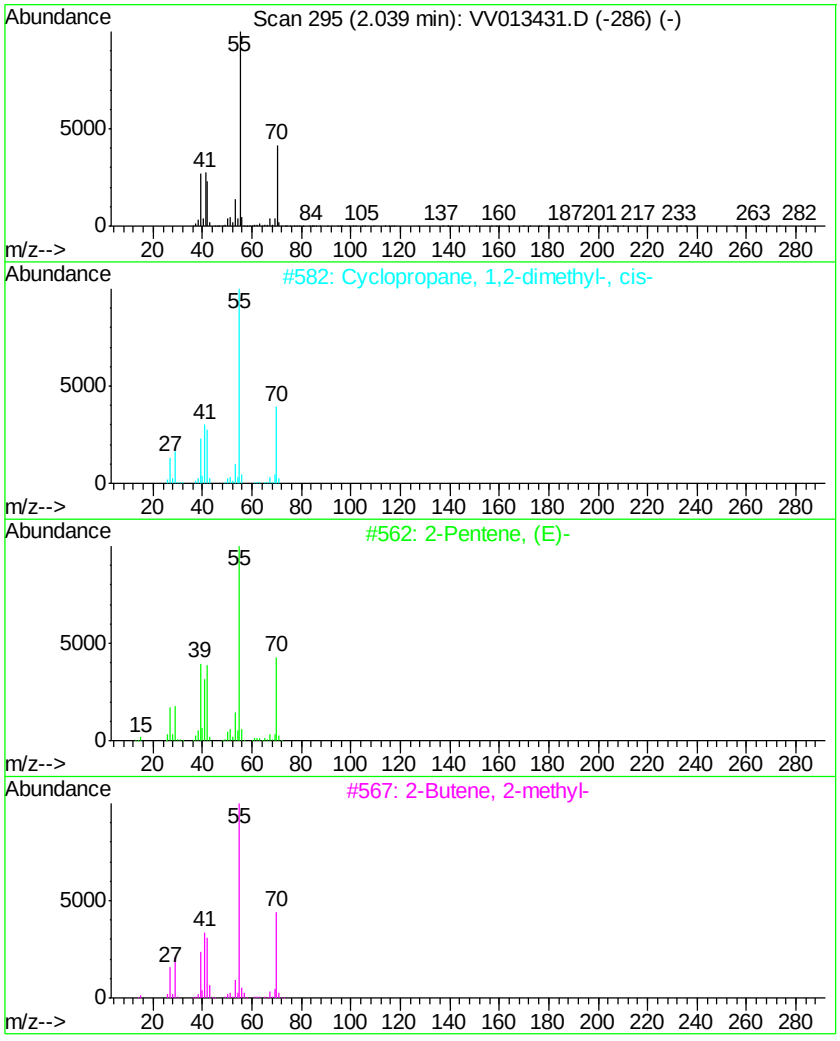
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

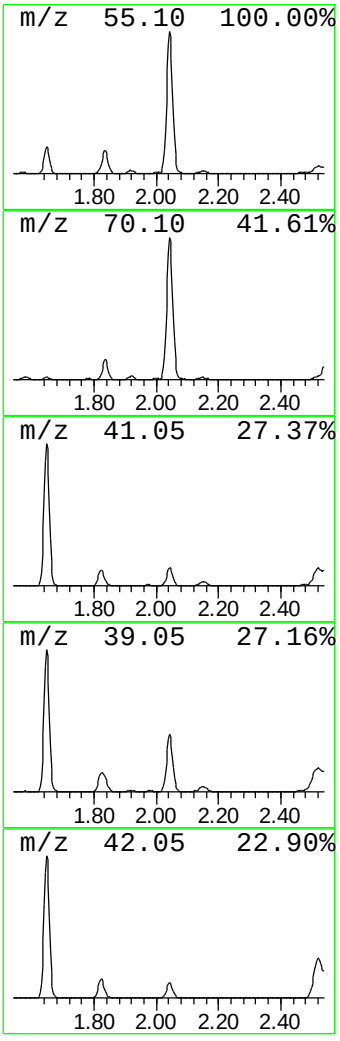
****

Peak Number 5 (DEL) Alkane: Cyclic2.04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	7.28 ug/L	1430700	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Pentene, (E)-	70	C5H10	000646-04-8	87
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	81
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

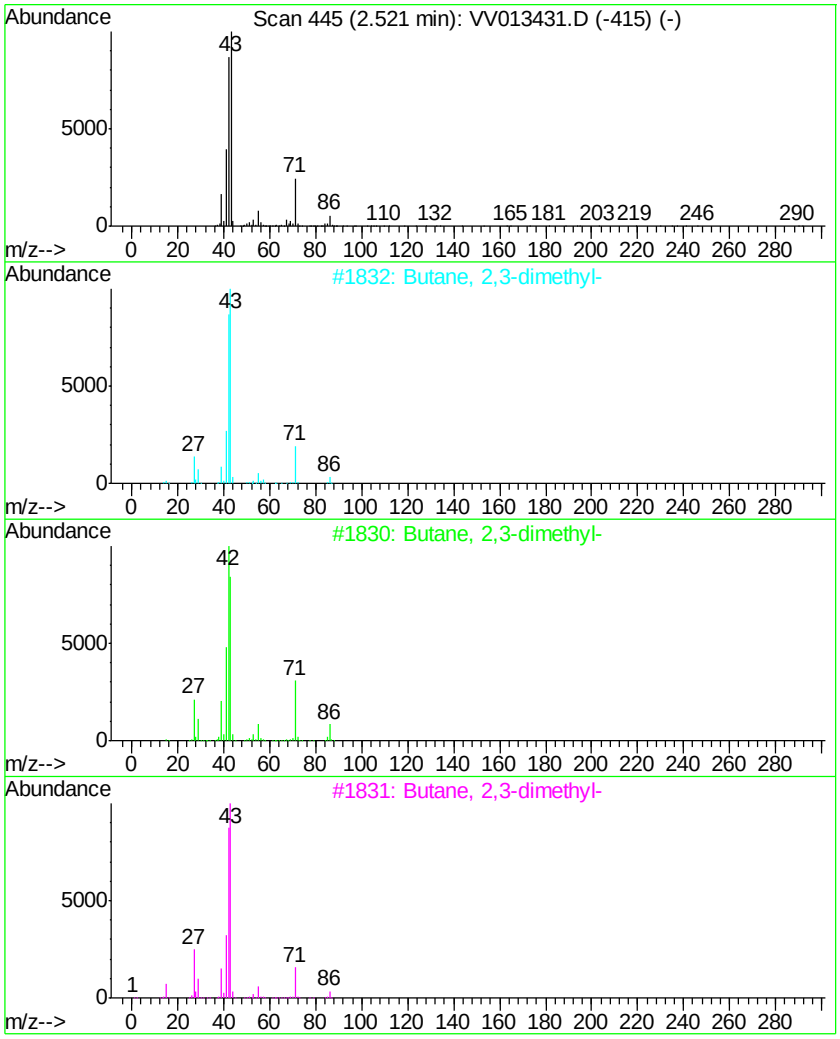
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

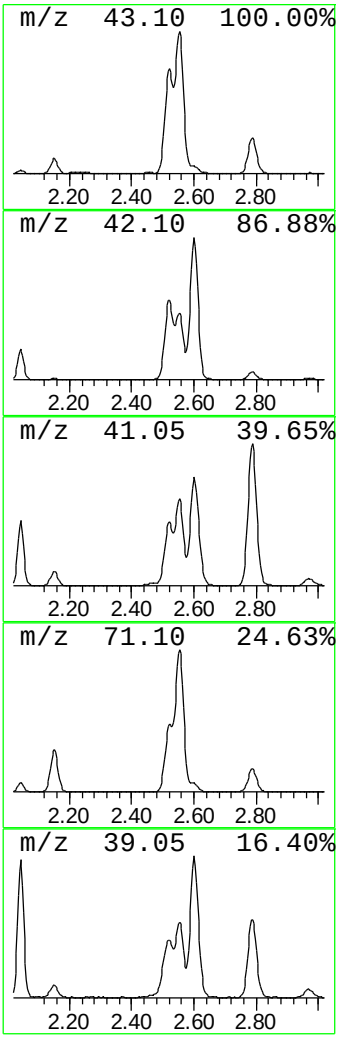
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.52	8.38 ug/L	1647240	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	83
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	38





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

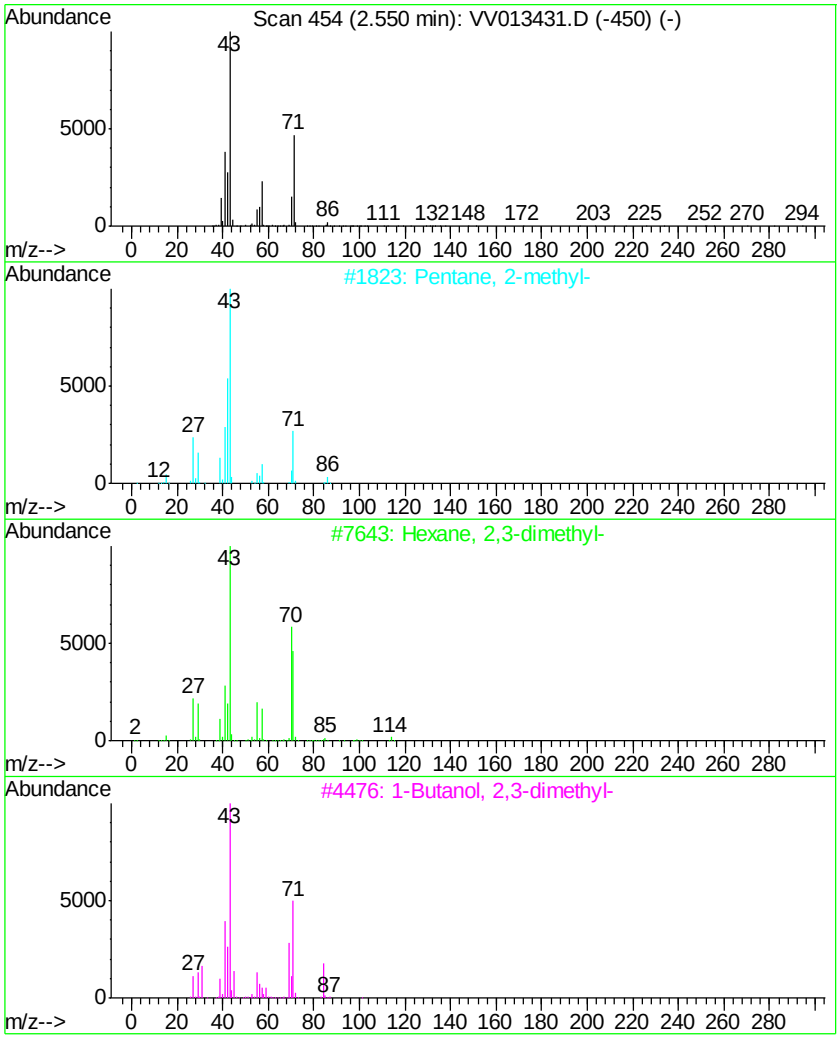
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

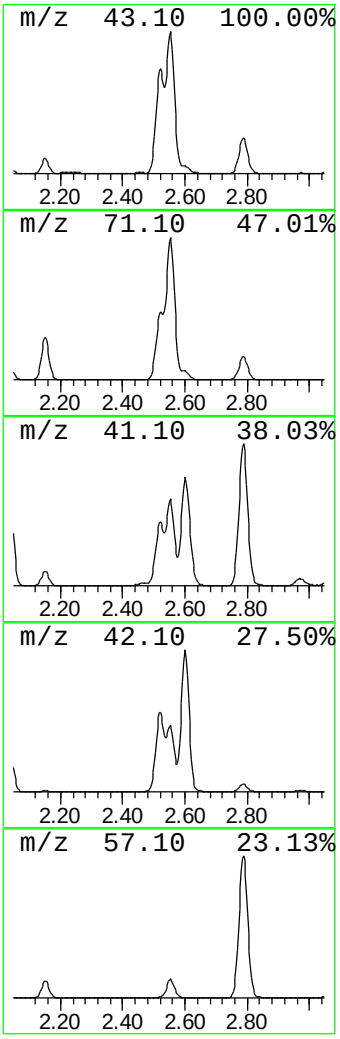
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	9.27 ug/L	1821970	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	45
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	43
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	38
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	33





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

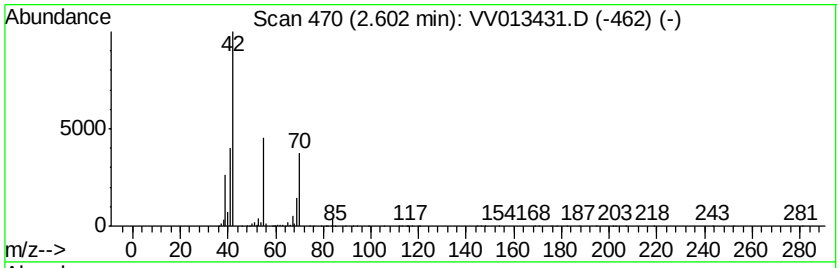
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

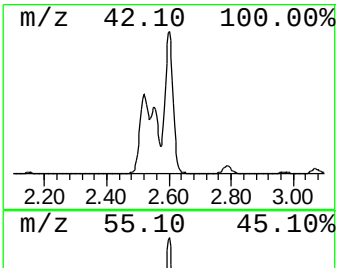
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic2.60 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	11.81 ug/L	2320970	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	80
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
3	Cyclopentane	70	C5H10	000287-92-3	50
4	1-Pentene	70	C5H10	000109-67-1	45
5	1-Pentene	70	C5H10	000109-67-1	45





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

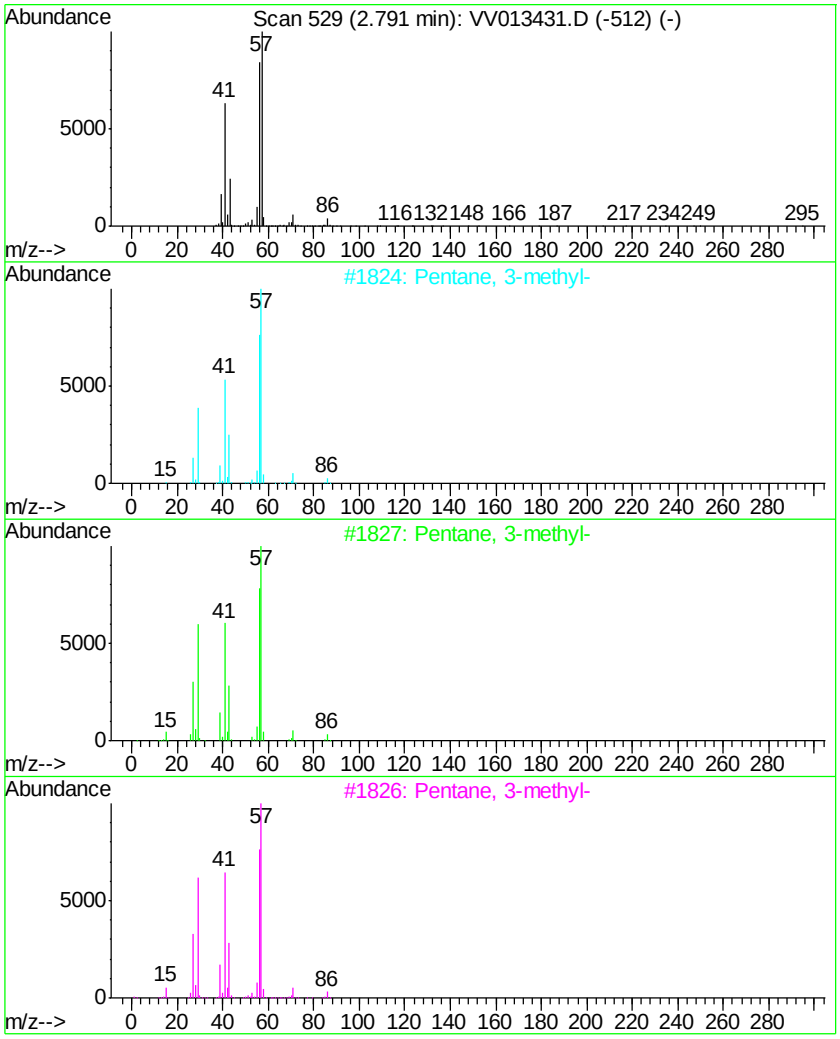
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

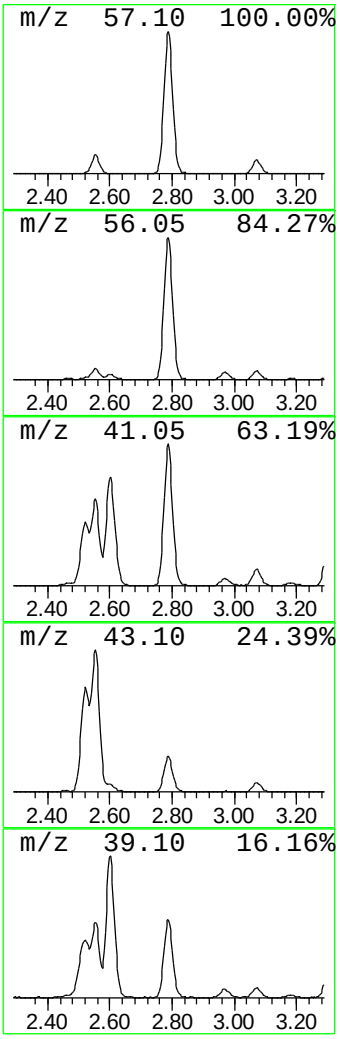
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	12.18 ug/L	2394640	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	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

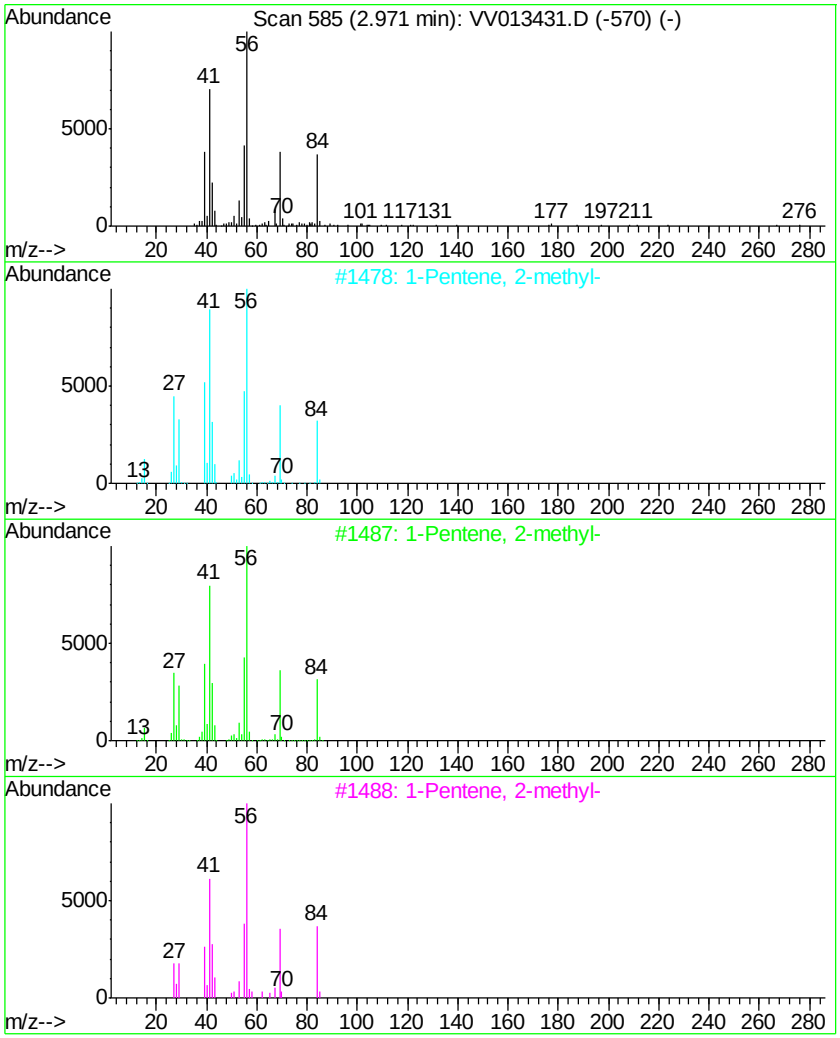
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

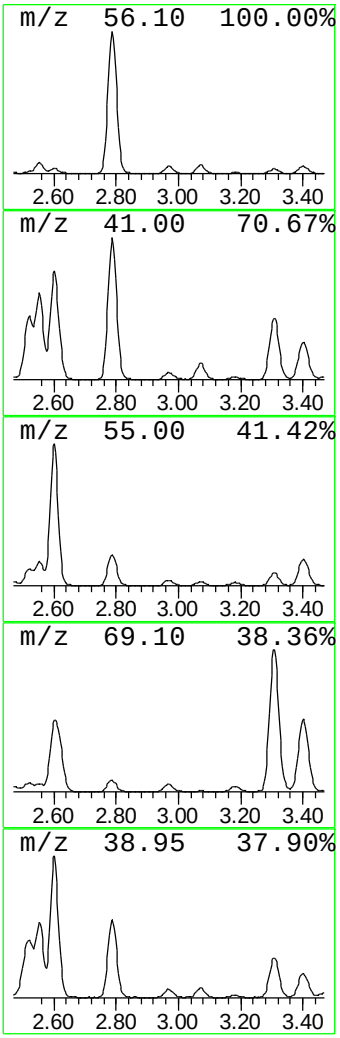
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic2.97 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	0.70 ug/L	136736	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	83
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	76
4	Cyclohexane	84	C6H12	000110-82-7	53
5	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	50





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

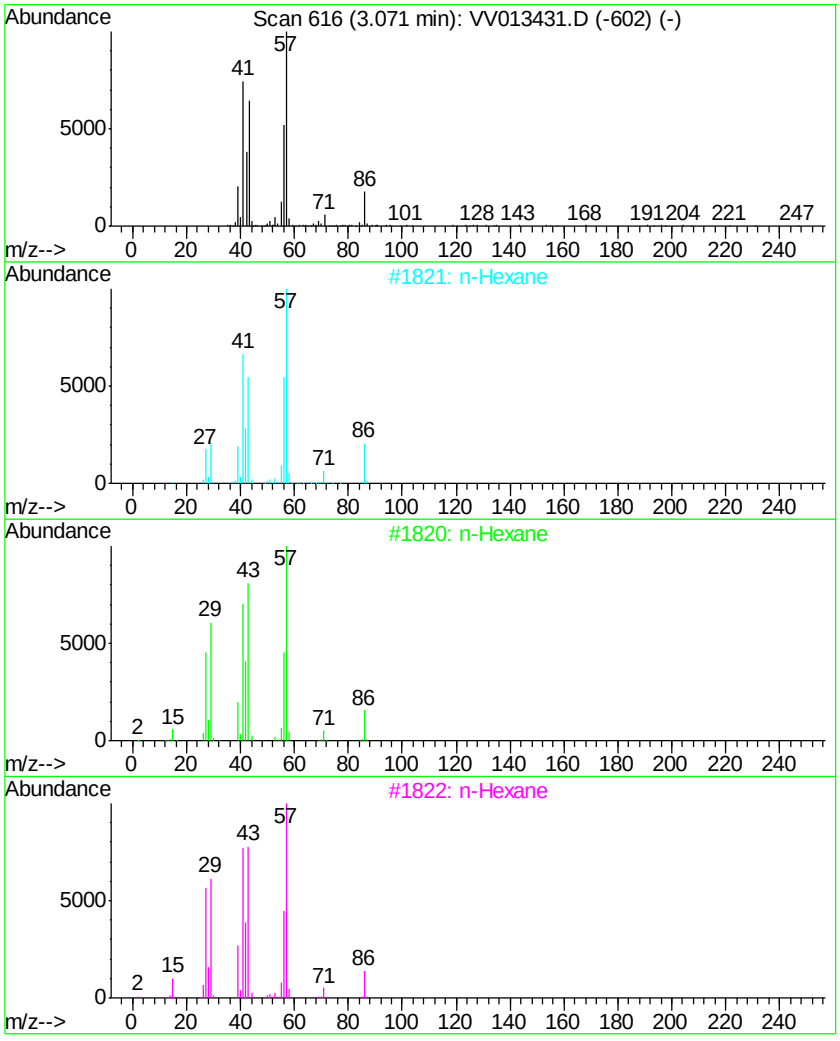
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

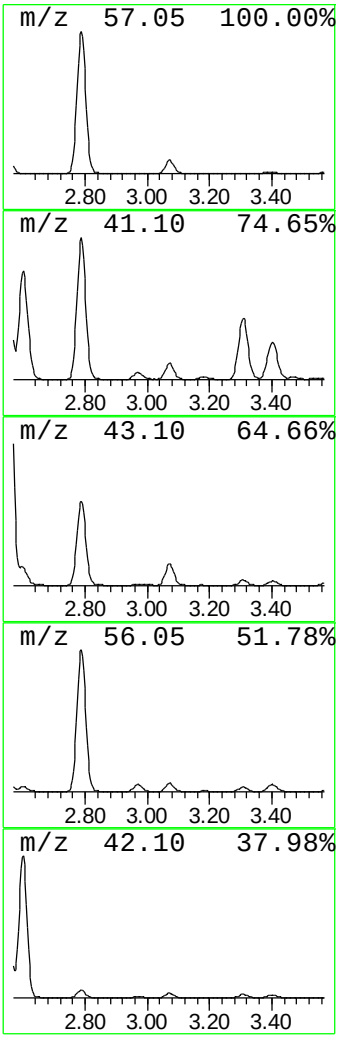
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	1.43 ug/L	281804	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	90
2	n-Hexane	86	C6H14	000110-54-3	86
3	n-Hexane	86	C6H14	000110-54-3	53
4	2H-Pyran-2-one, tetrahydro-5,6-d...	128	C7H12O2	024405-16-1	43
5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	42





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

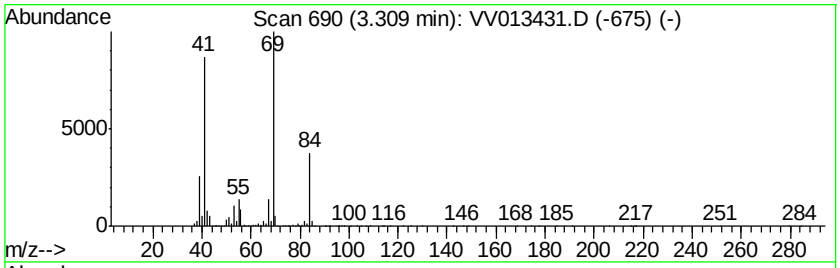
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

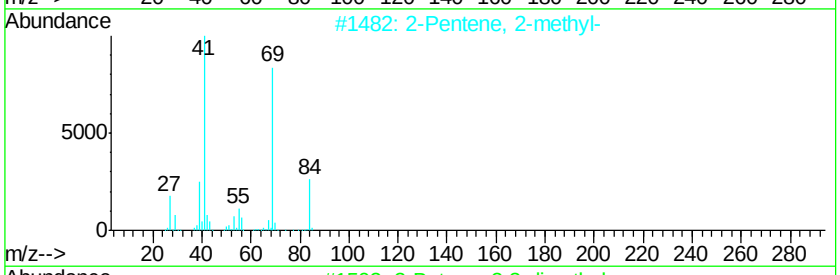
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

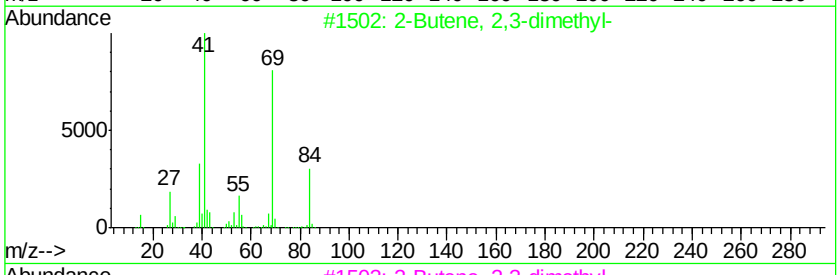
****
Peak Number 12 (DEL) Alkane: Cyclic3.31 Concentration Rank 23

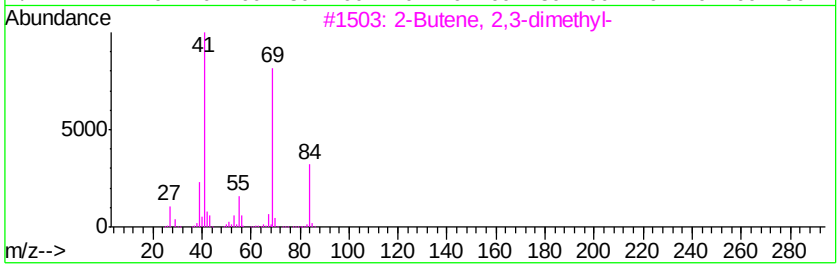
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.31	4.32 ug/L	849426	1,4-Difluorobenzene	5.66

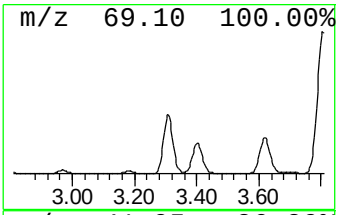
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
3	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91

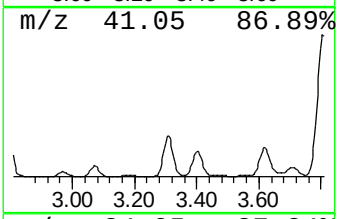


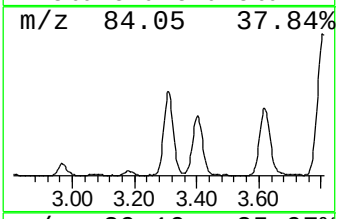


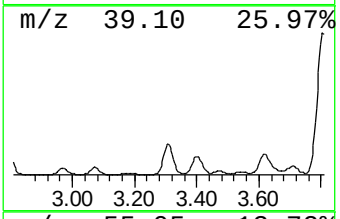


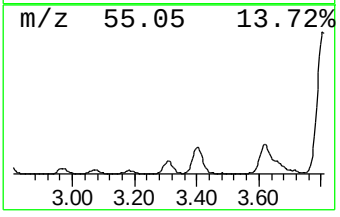












Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

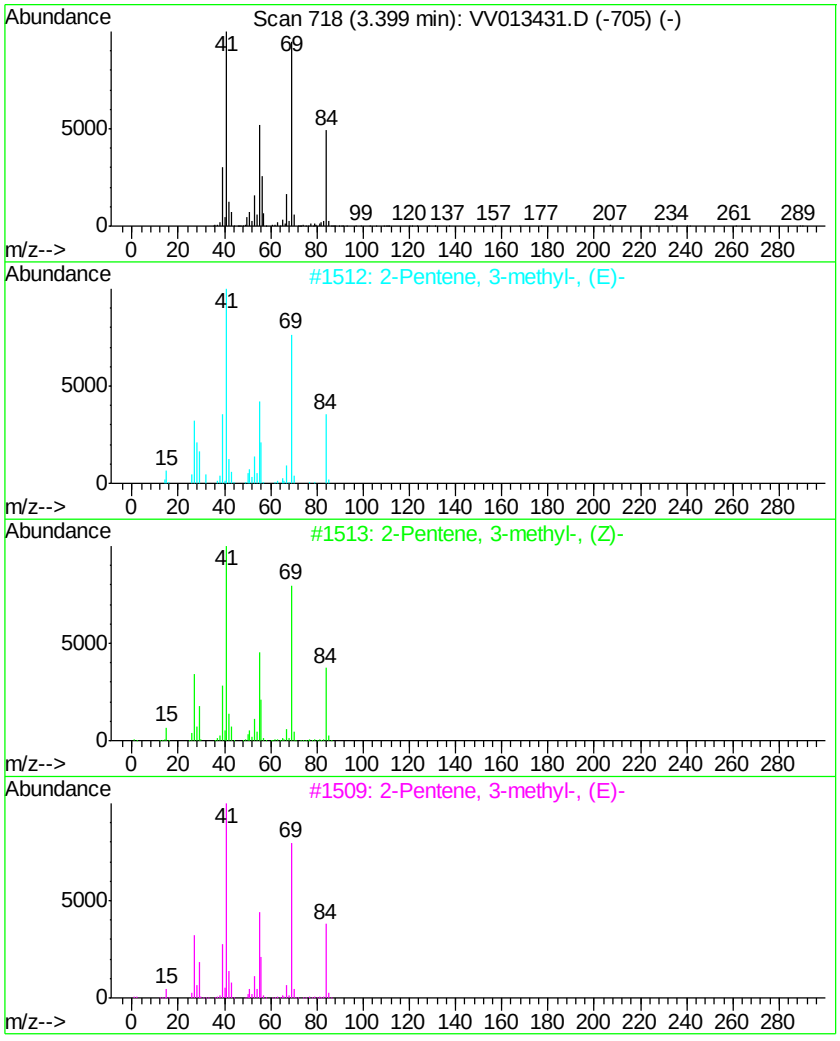
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

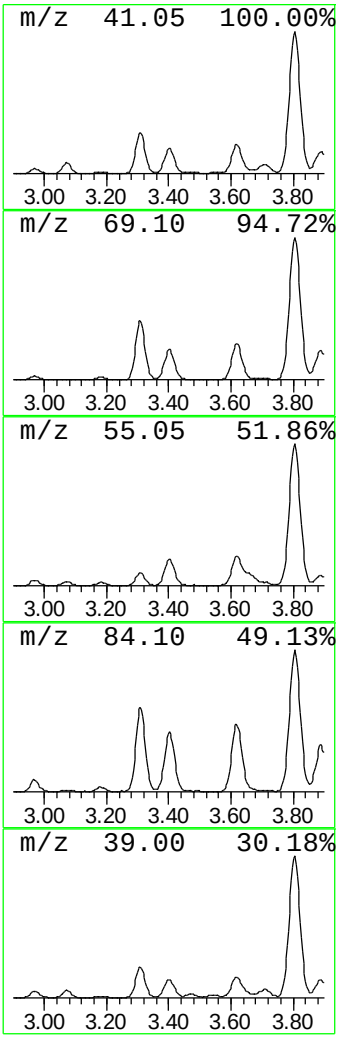
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic3.40 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.40	3.25 ug/L	638893	1,4-Difluorobenzene	5.66

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





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

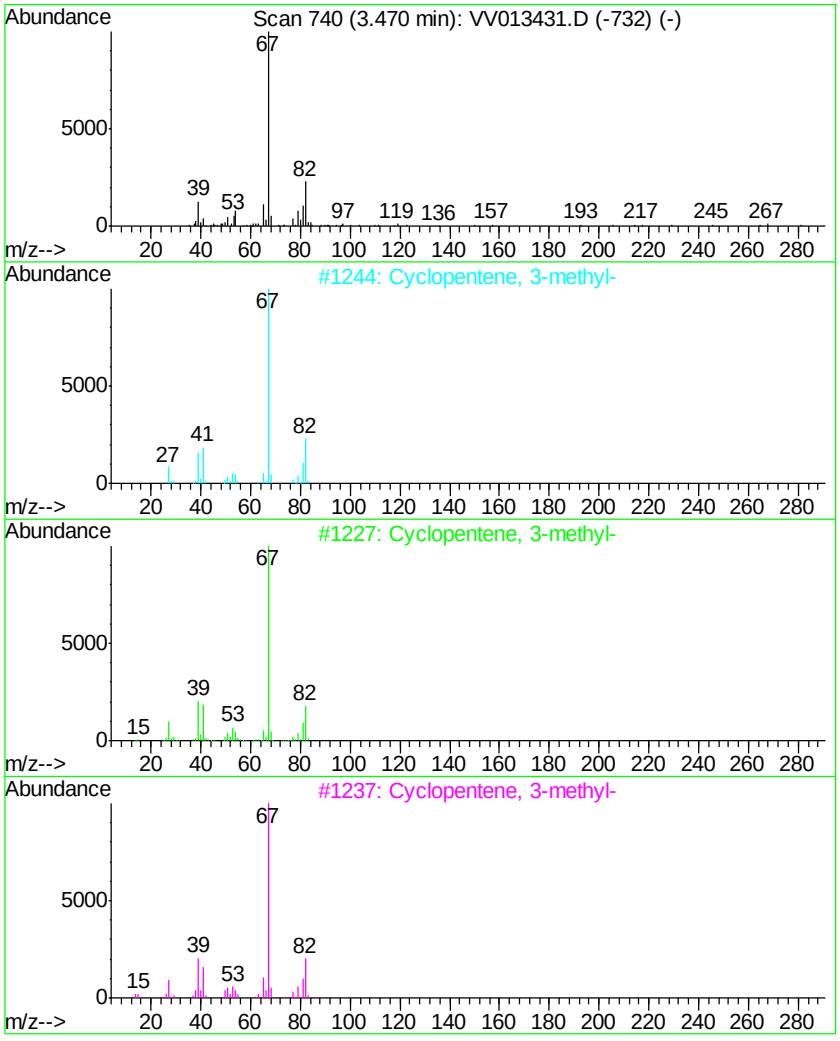
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

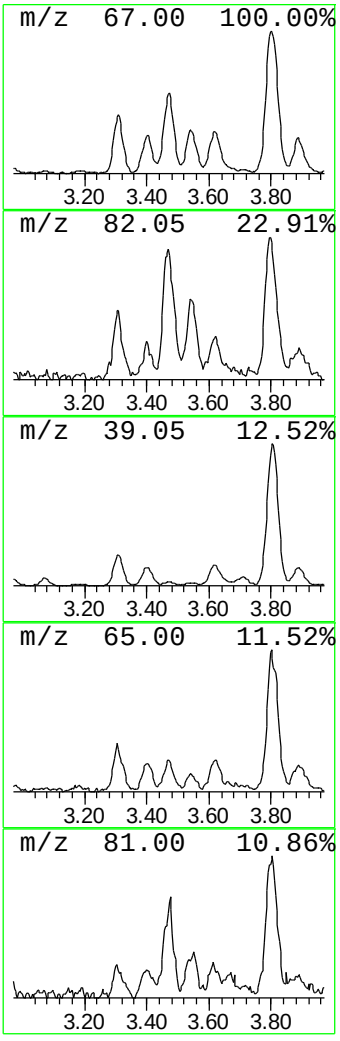
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopentene, 3-methyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.47	0.55 ug/L	107576	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	80
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	80
4	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	80
5	Isopropenylcyclopropane	82	C6H10	004663-22-3	78





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

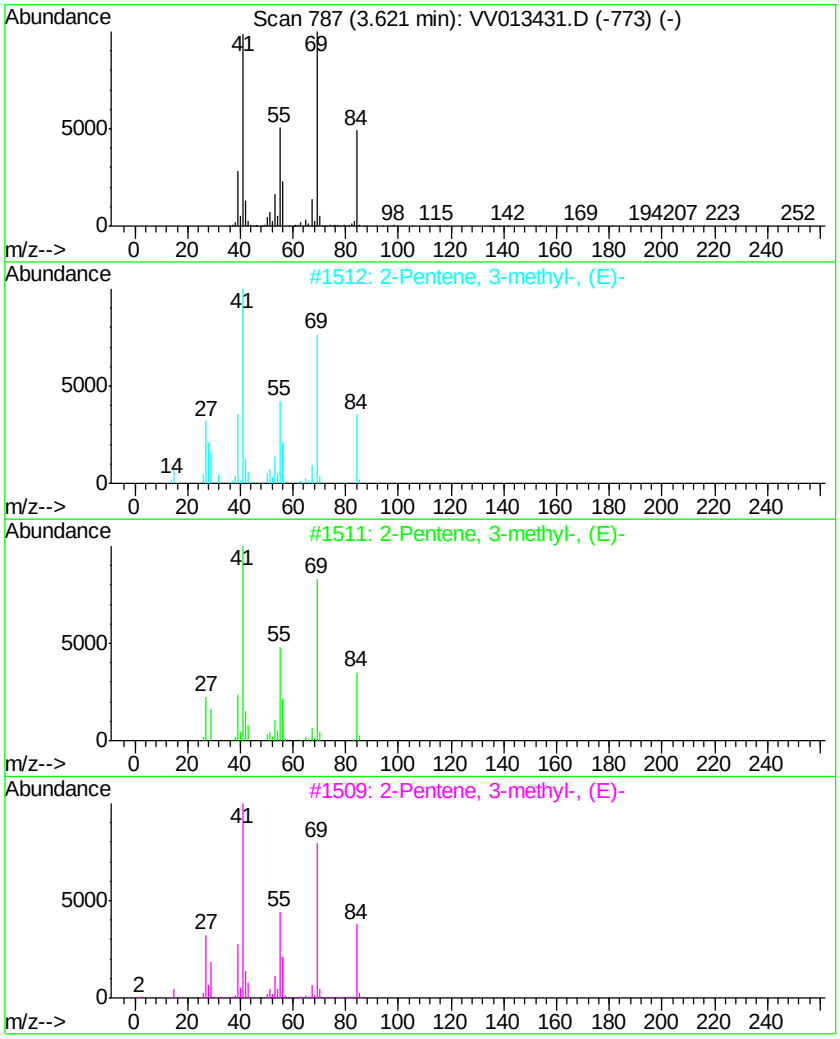
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

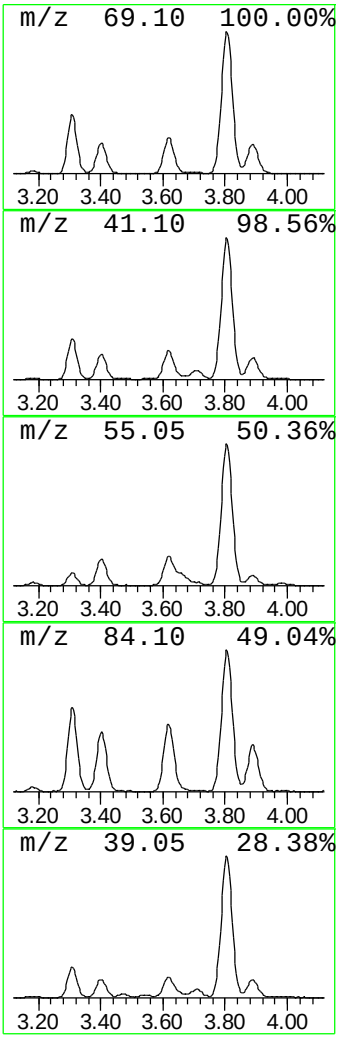
****

Peak Number 15 (DEL) Alkane: Cyclic3.62 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	4.34 ug/L	852745	1,4-Difluorobenzene	5.66

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

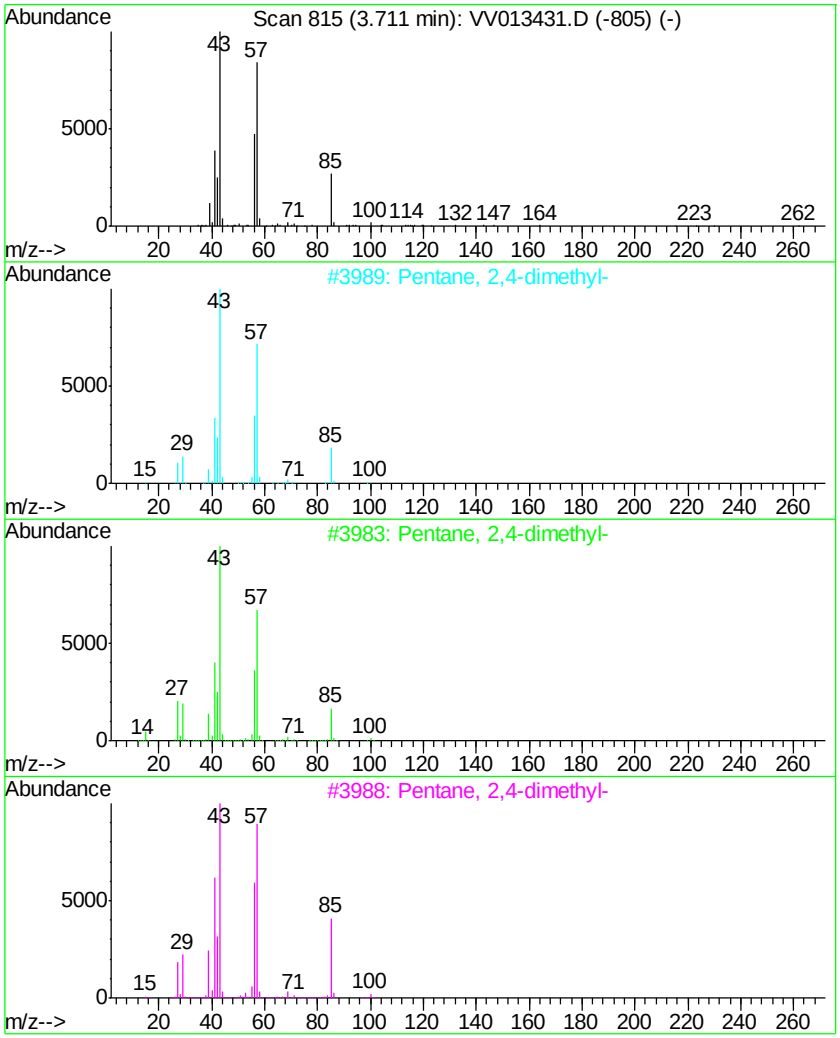
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

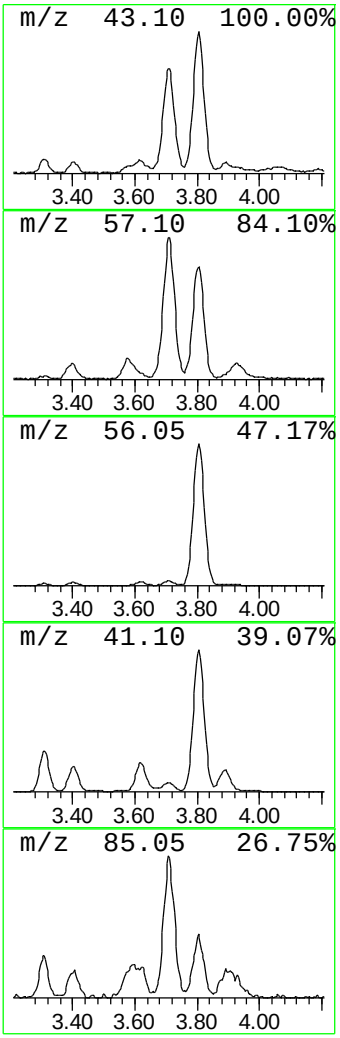
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.71	2.15 ug/L	423127	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	86
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	86
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	72
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	53
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

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

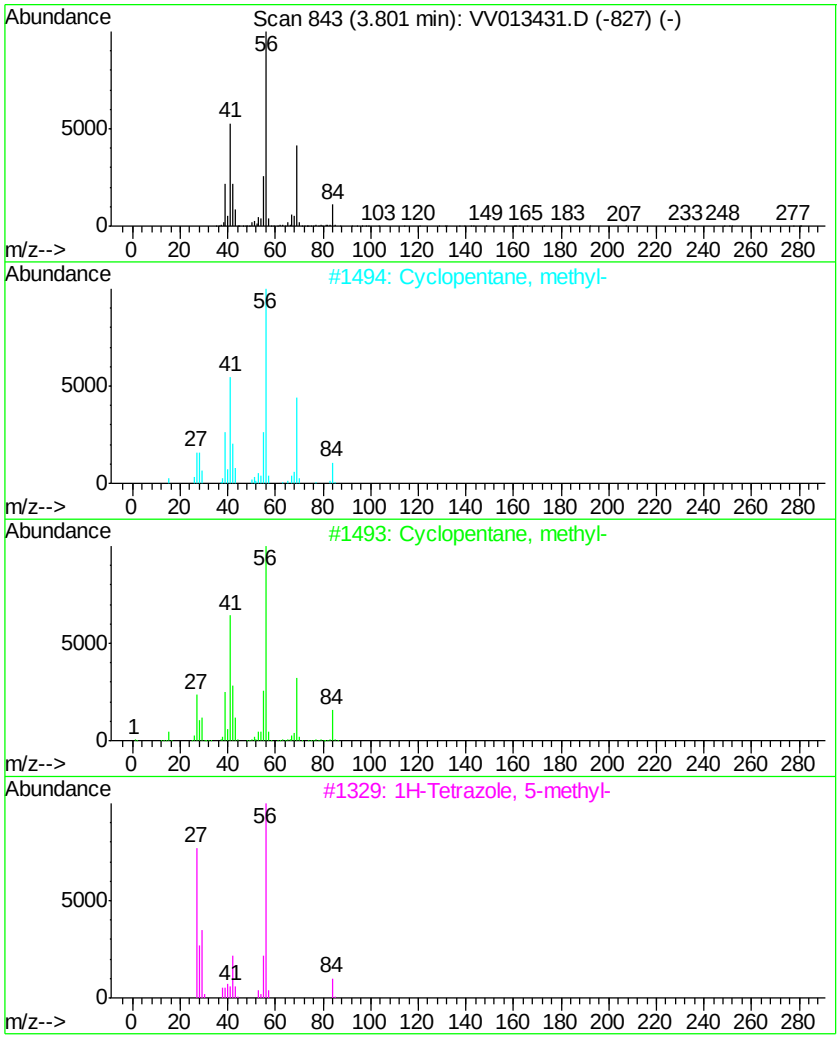
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

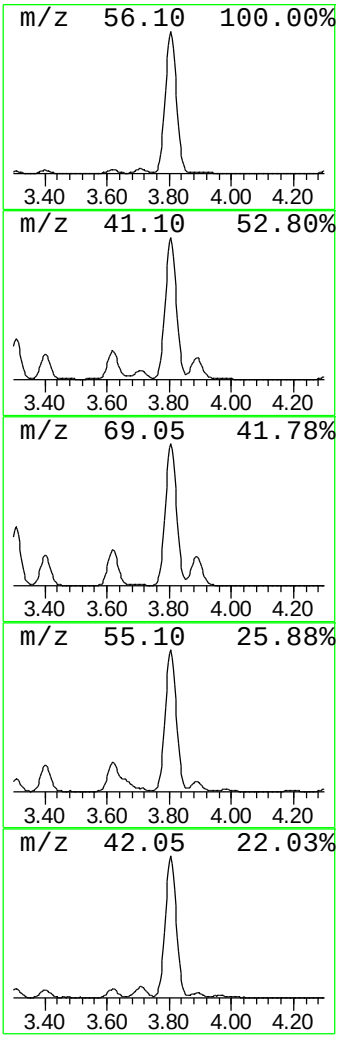
****

Peak Number 17 (DEL) Alkane: Cyclic3.80 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.80	27.41 ug/L	5387440	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	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	80
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

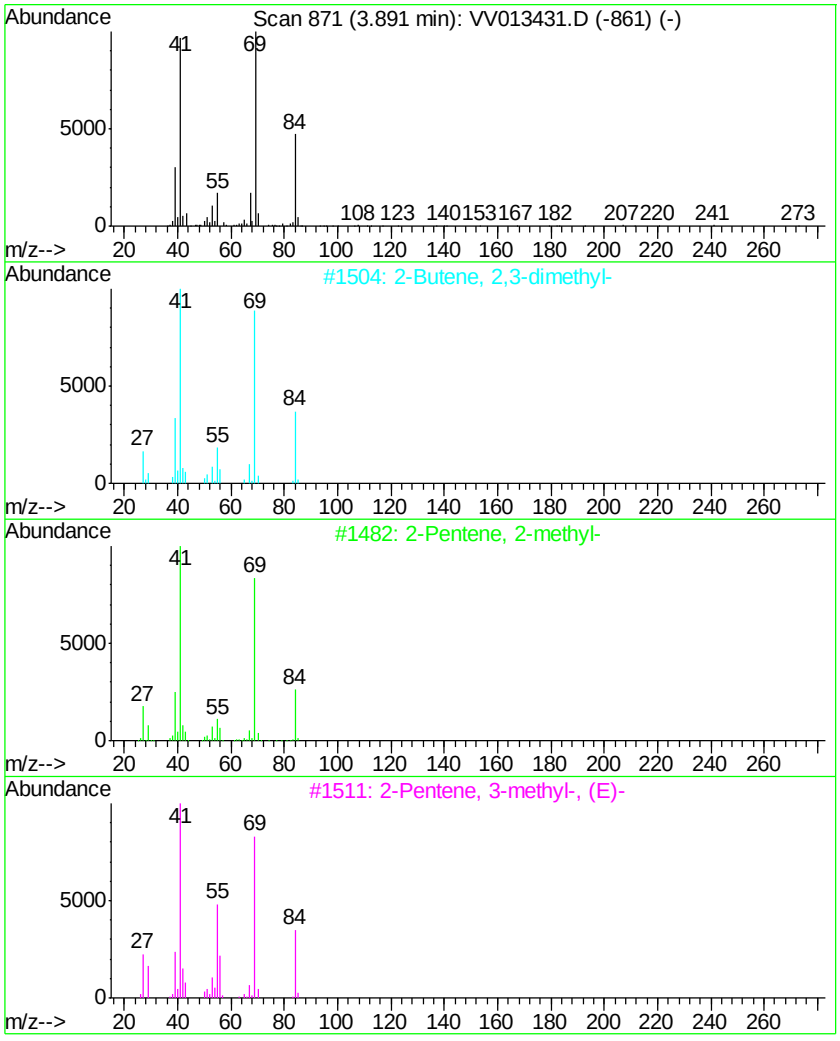
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

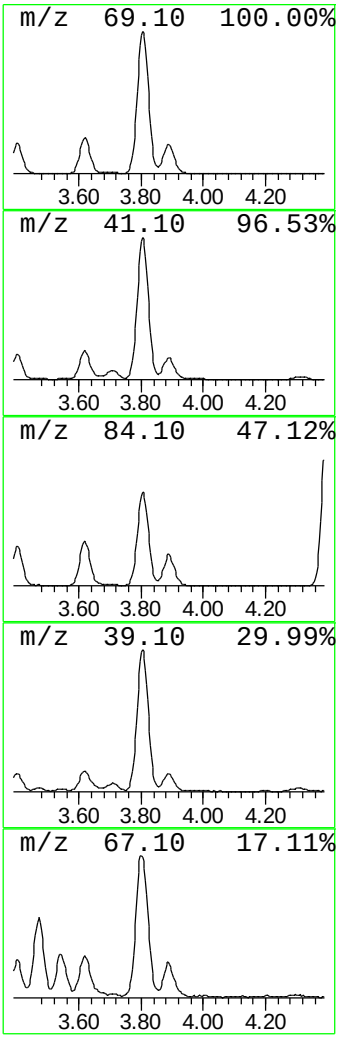
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic3.89 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.89	2.65 ug/L	521021	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
2	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	86
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	86
4	Pentane, 3-methylene-	84	C6H12	000760-21-4	86
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	86





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

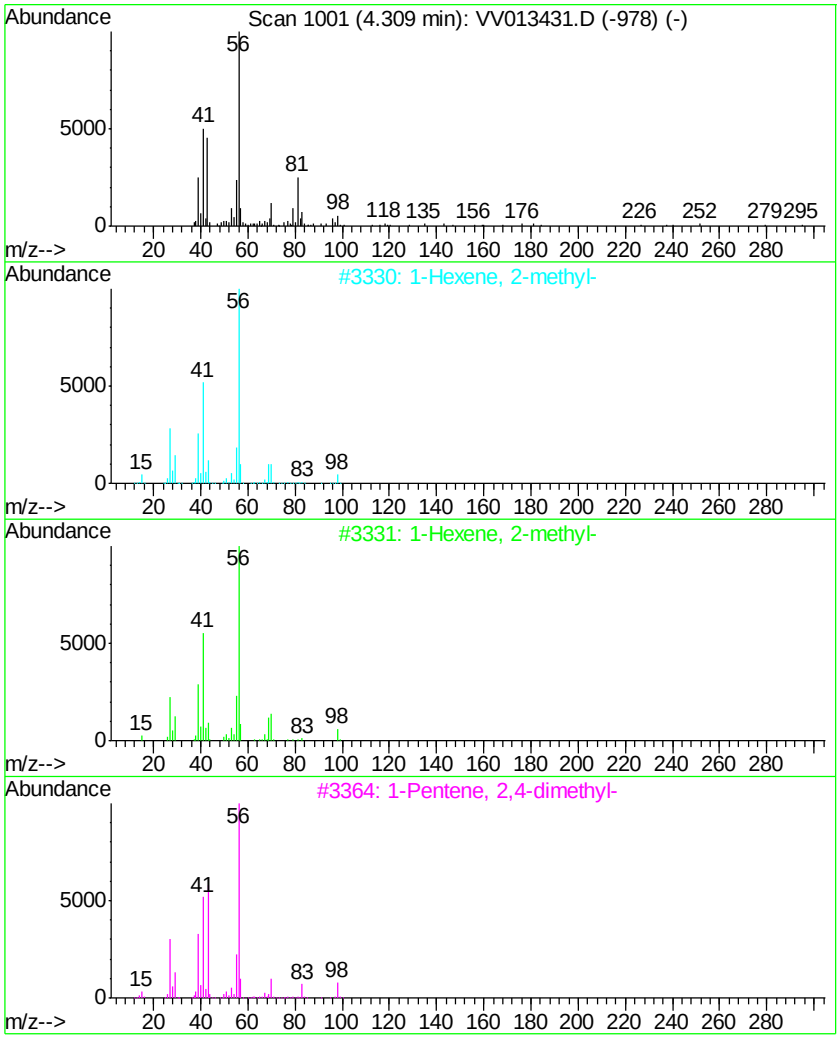
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

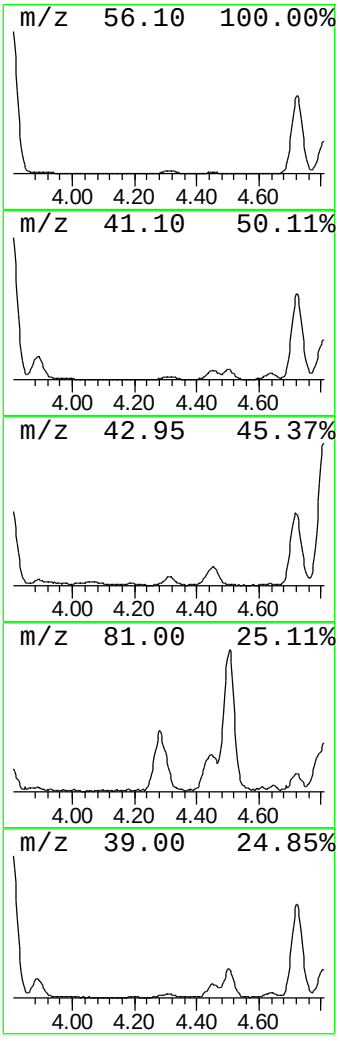
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic4.31 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.31	0.82 ug/L	160948	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	83
2	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	80
3	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	72
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	72
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	64





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

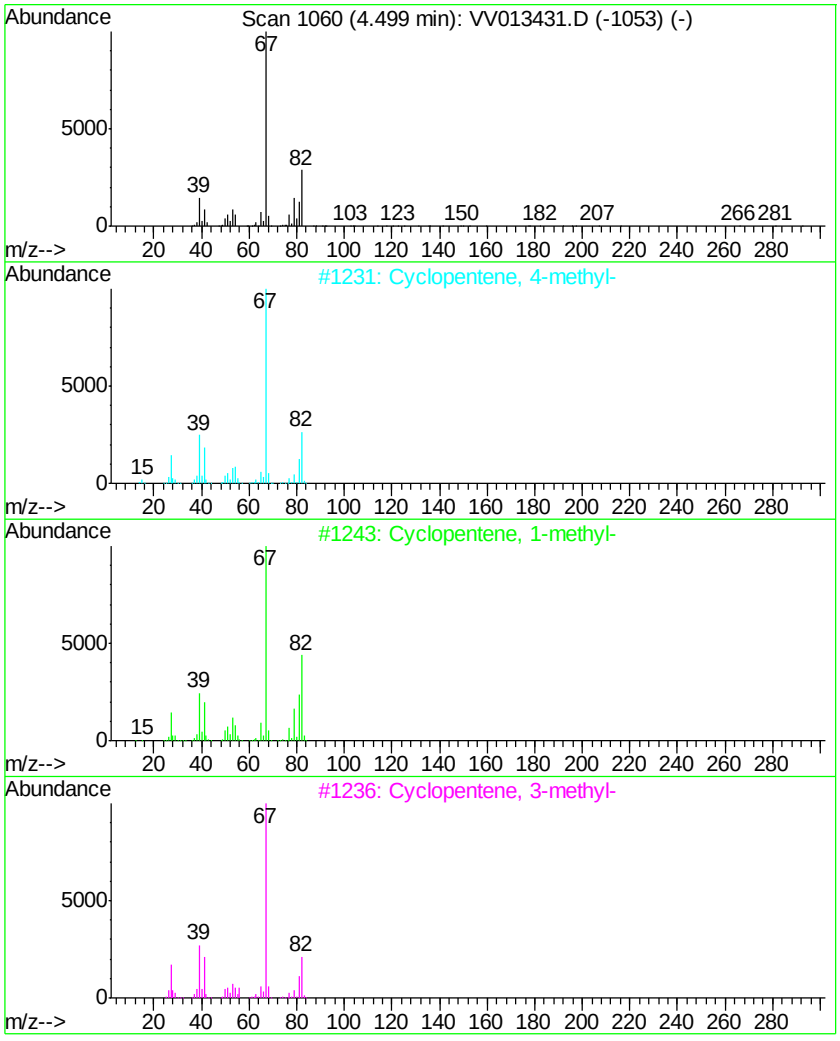
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

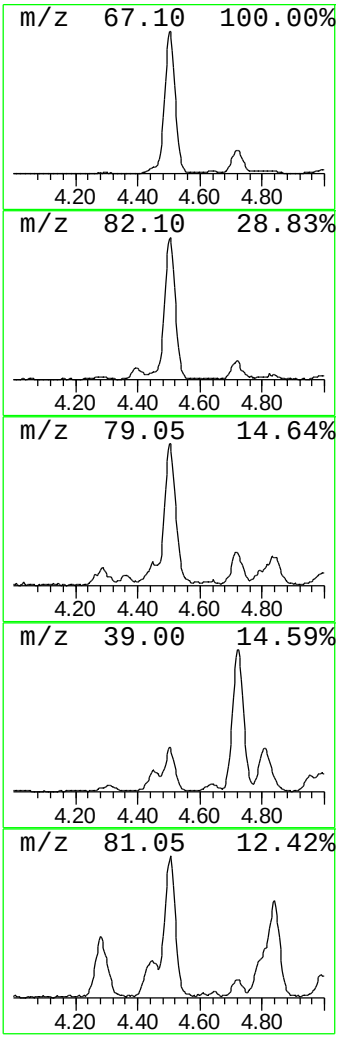
****

Peak Number 20 Cyclopentene, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.50	4.43 ug/L	871784	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	83





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

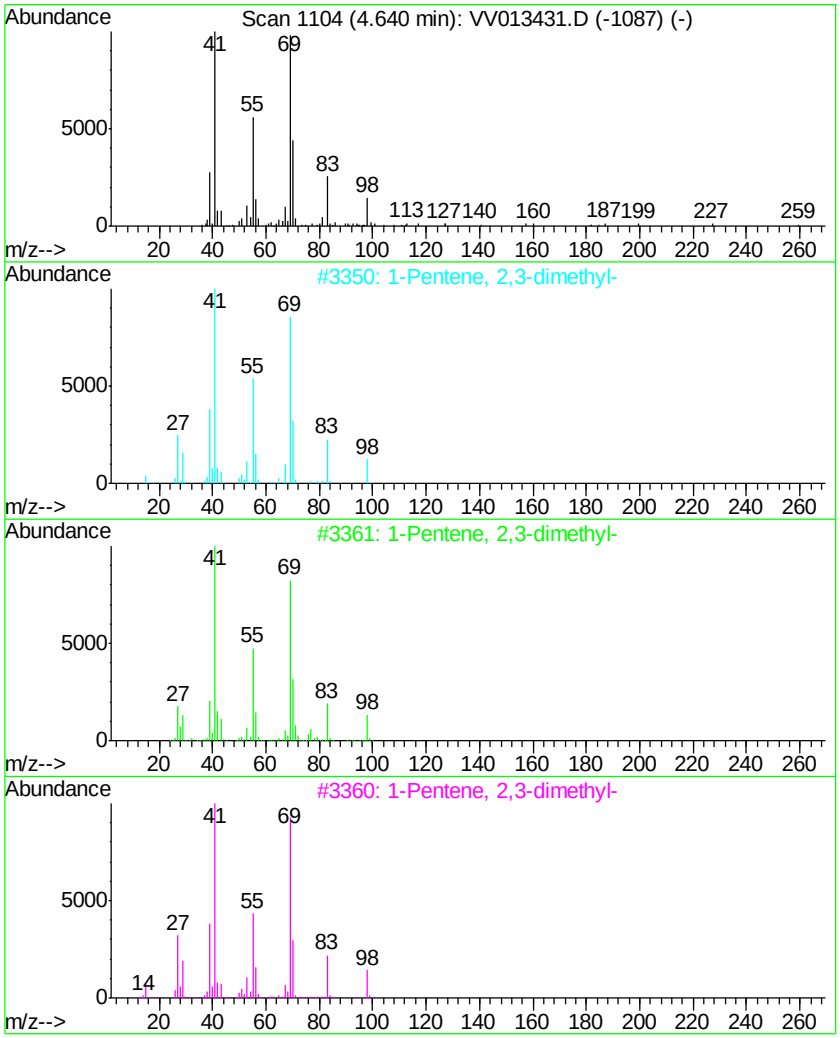
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

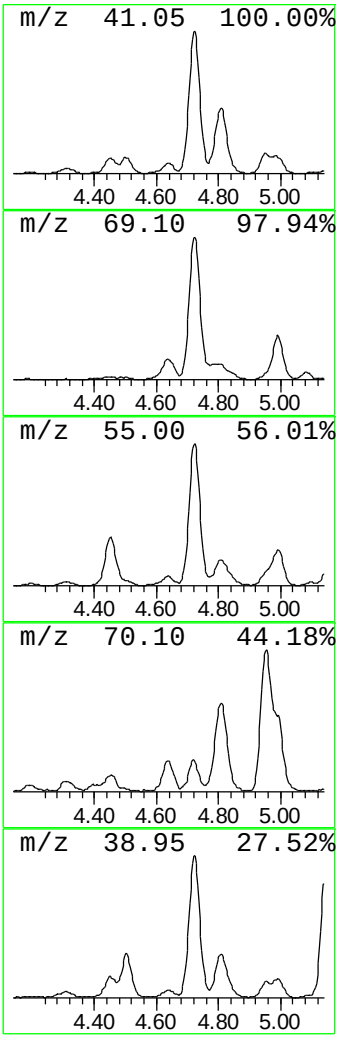
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic4.64 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.64	0.76 ug/L	148799	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, 2,3-dimethyl-	98	C7H14	003404-72-6	90
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	80
5	2-Hexene, 4-methyl-, (E)-	98	C7H14	003683-22-5	64





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

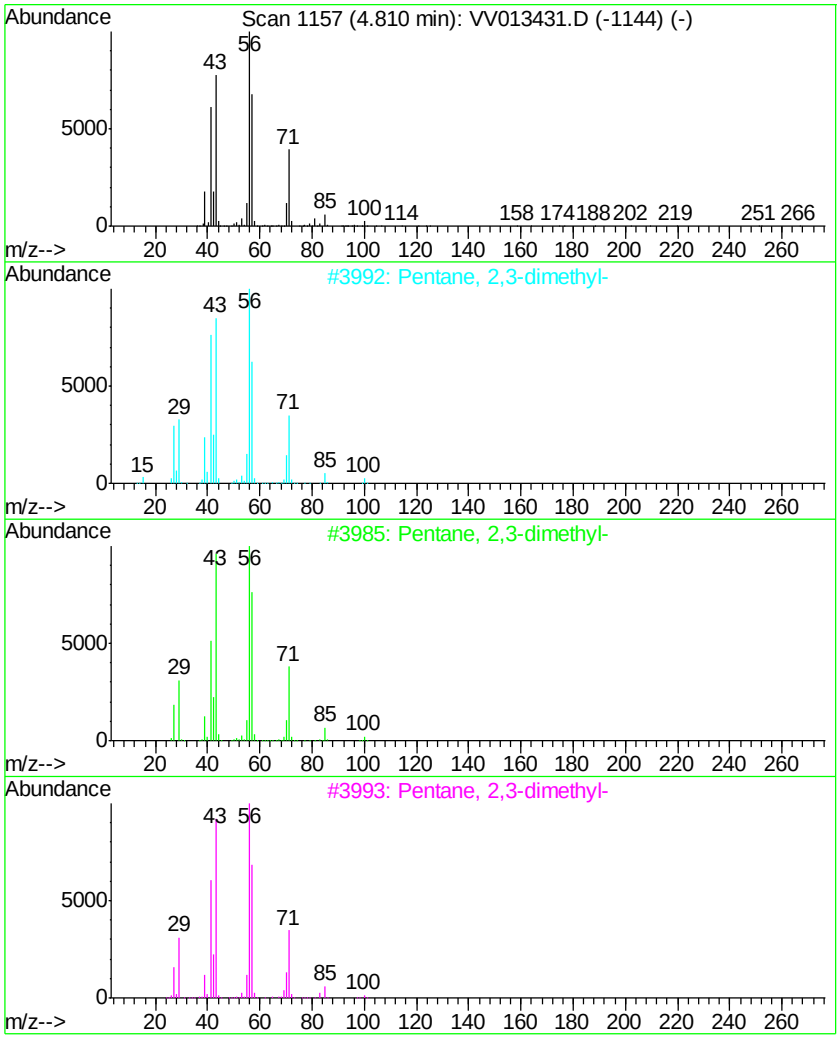
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

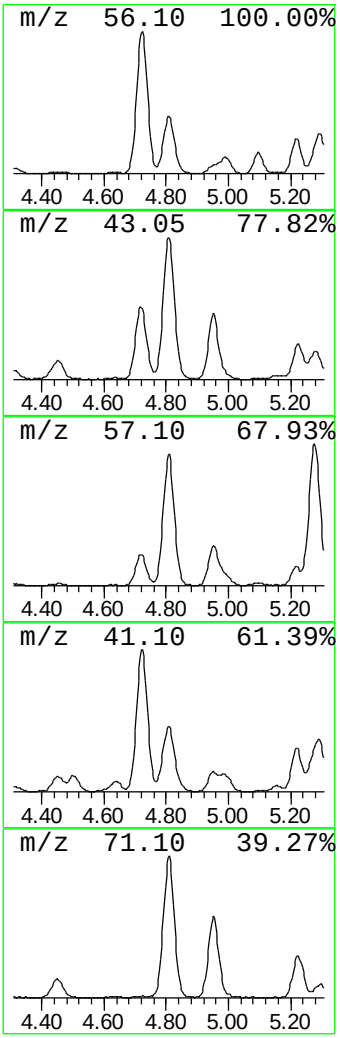
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	8.95 ug/L	1759180	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	94
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	43





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

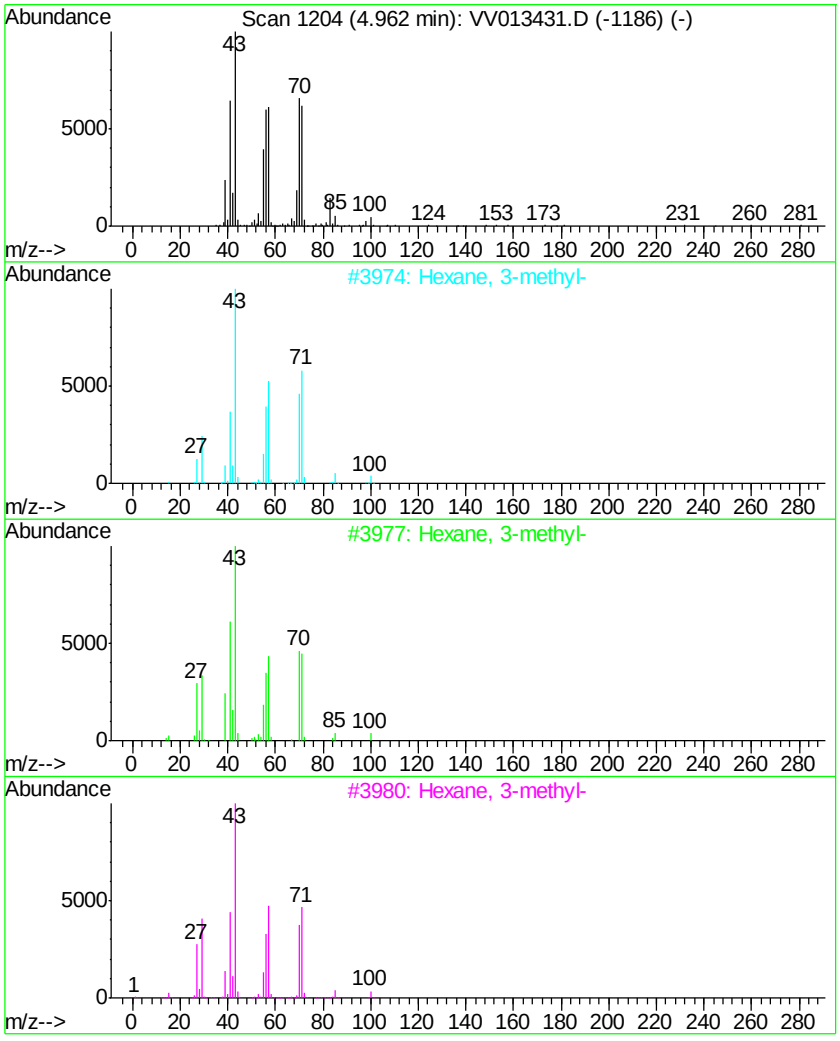
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

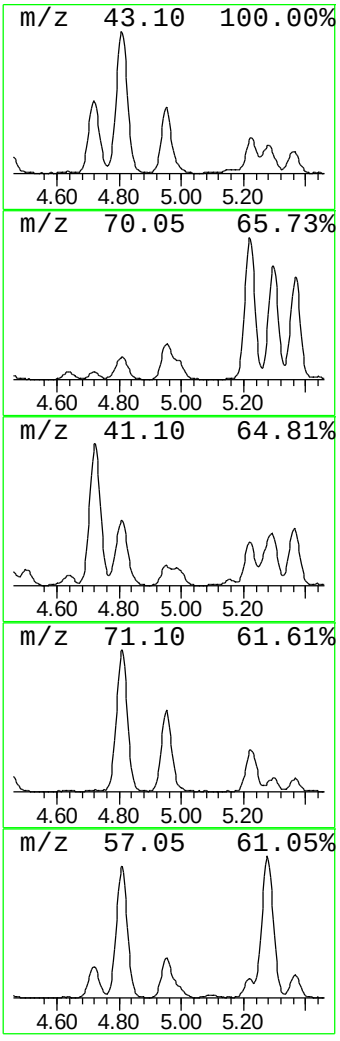
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	2.68 ug/L	527465	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	74
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	53





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Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

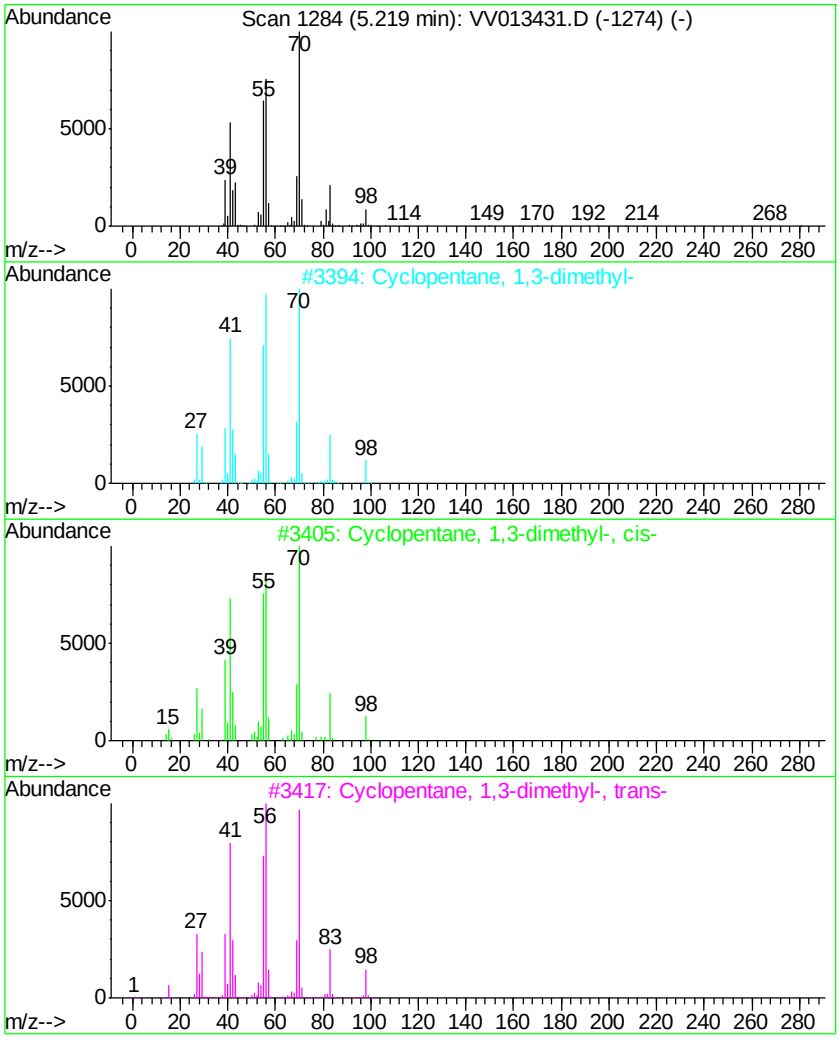
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

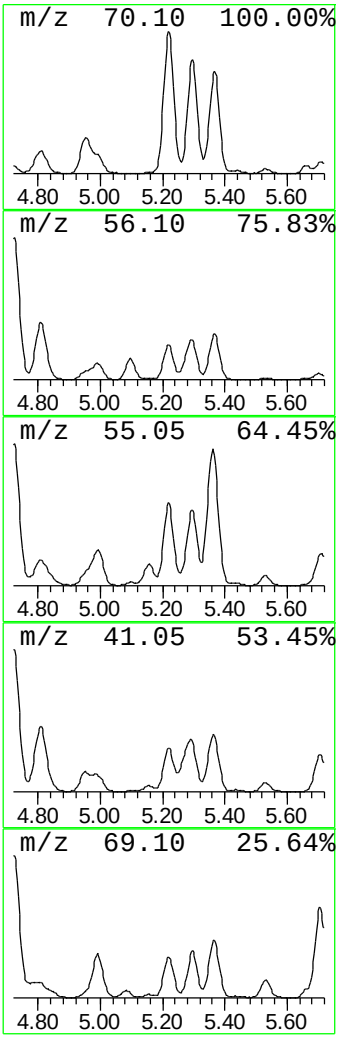
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic5.22 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	6.84 ug/L	1345360	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	91
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

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

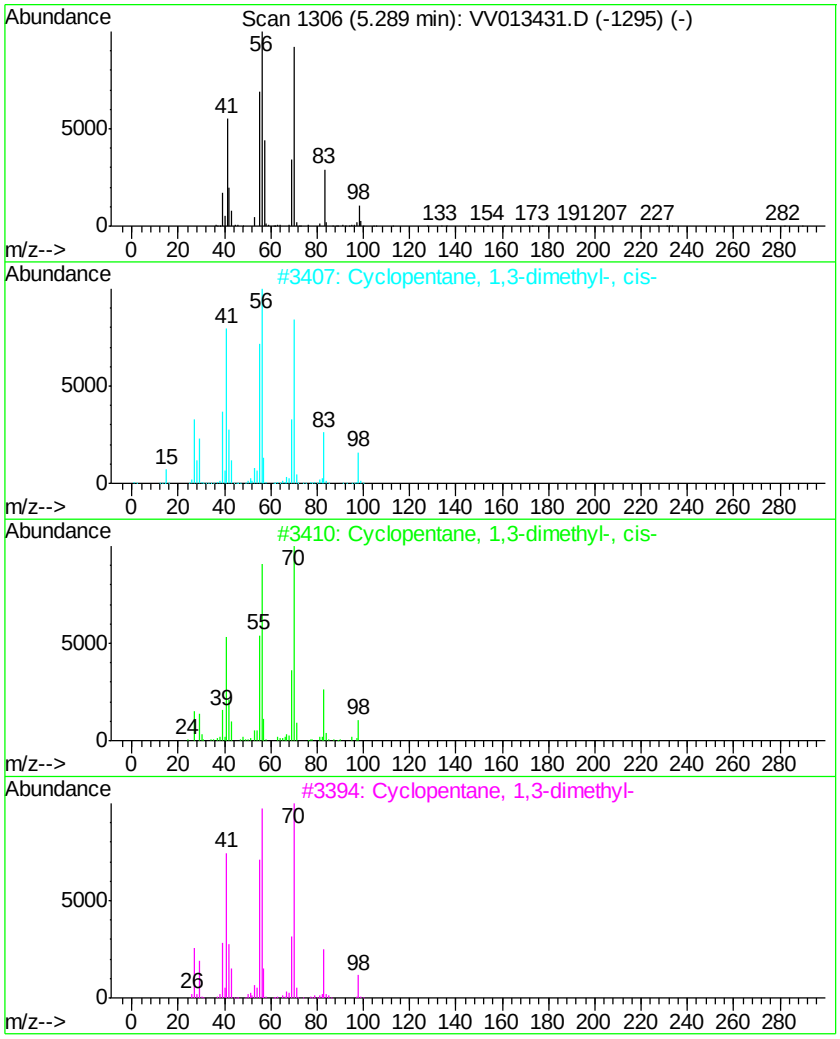
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

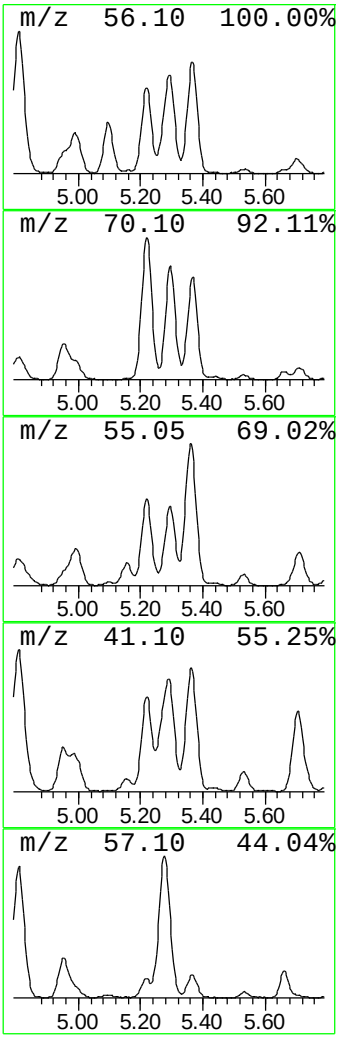
****

Peak Number 25 (DEL) Alkane: Cyclic5.29 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	9.21 ug/L	1809980	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	86
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86





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Data File : VV013431.D
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Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

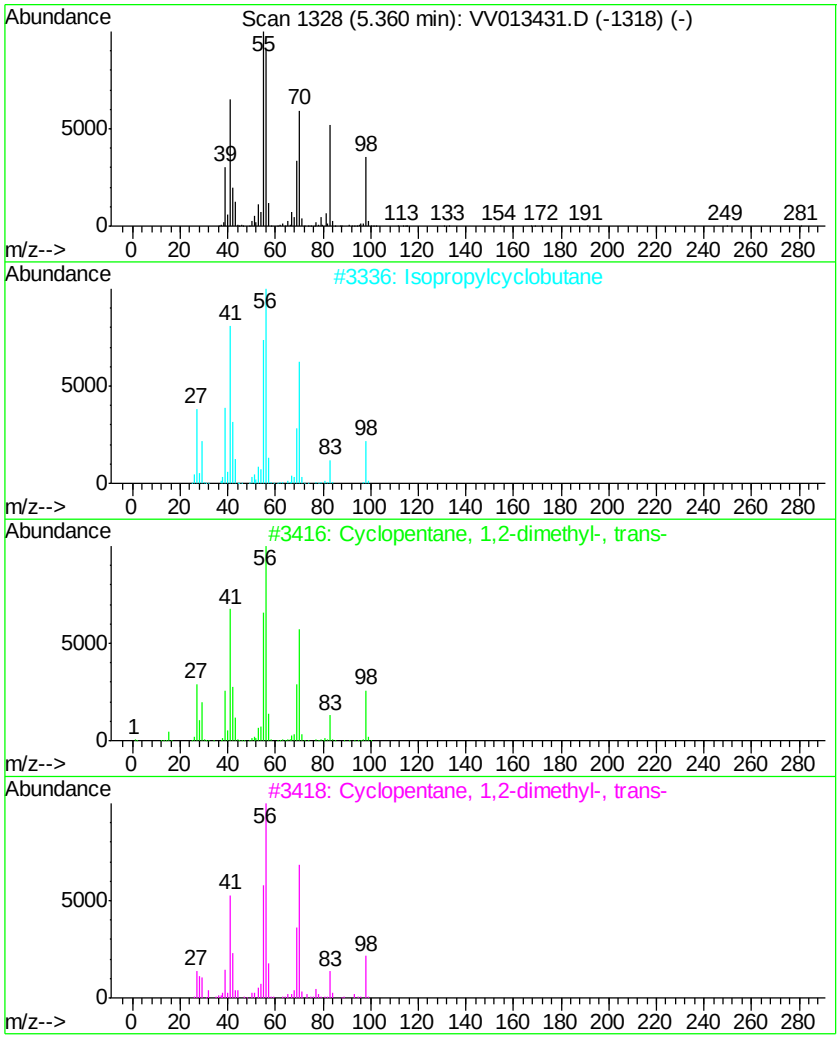
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

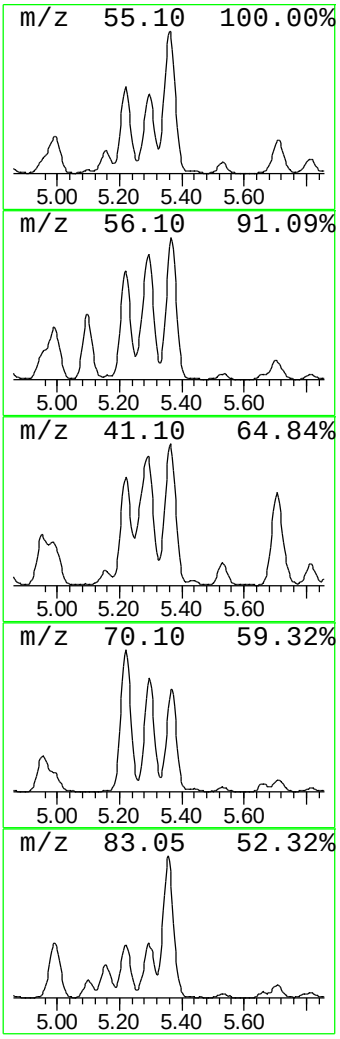
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic5.36 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	8.56 ug/L	1682140	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	76
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	68
3	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64
4	(Z)-2-Heptene	98	C7H14	006443-92-1	64
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

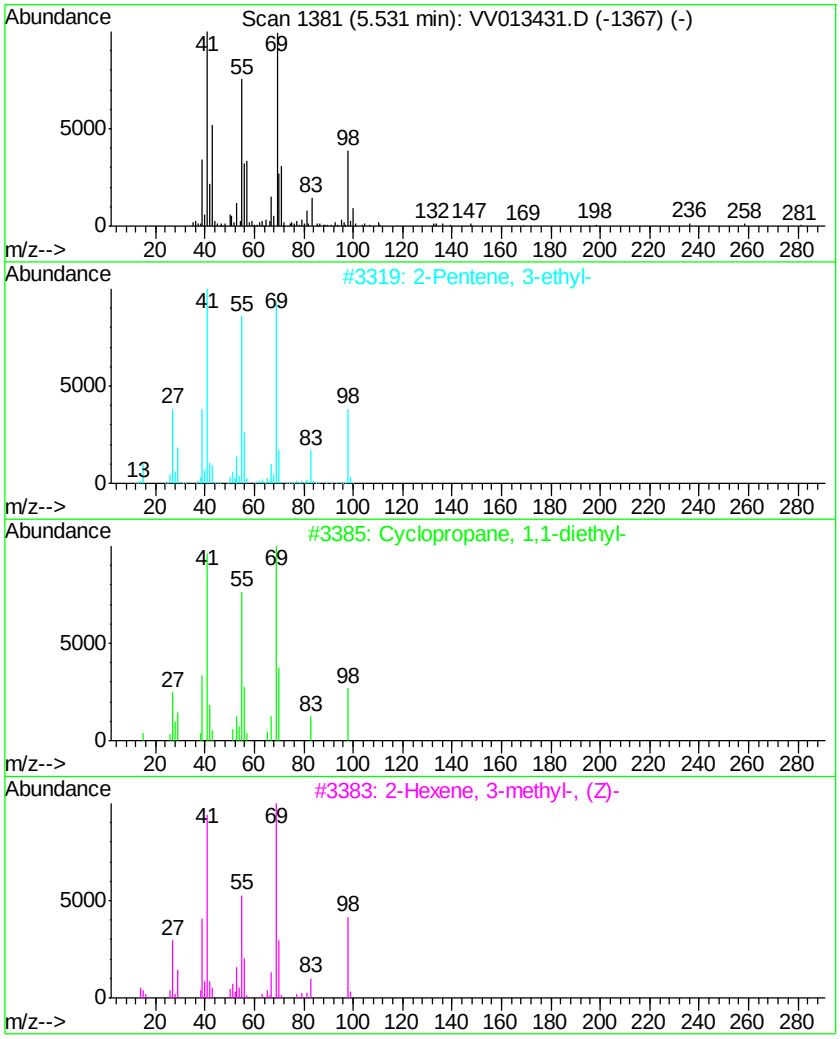
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

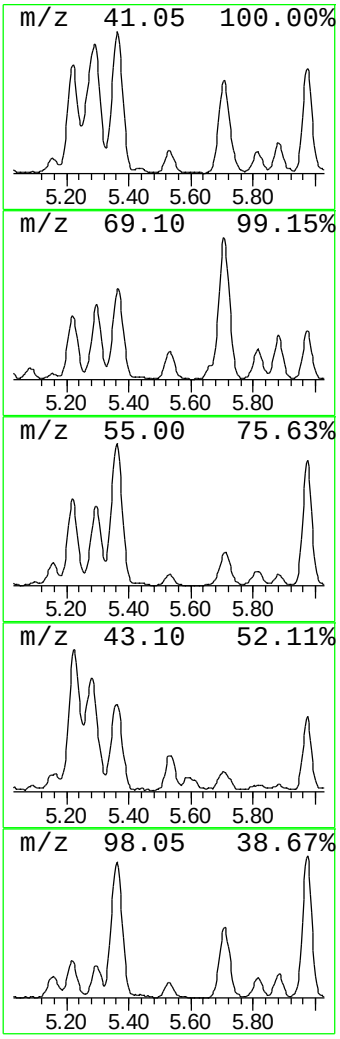
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic5.53 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	0.84 ug/L	164698	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	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	68
3	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	64
4	3-Methyl-3-hexene	98	C7H14	003404-65-7	62
5	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	62





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

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

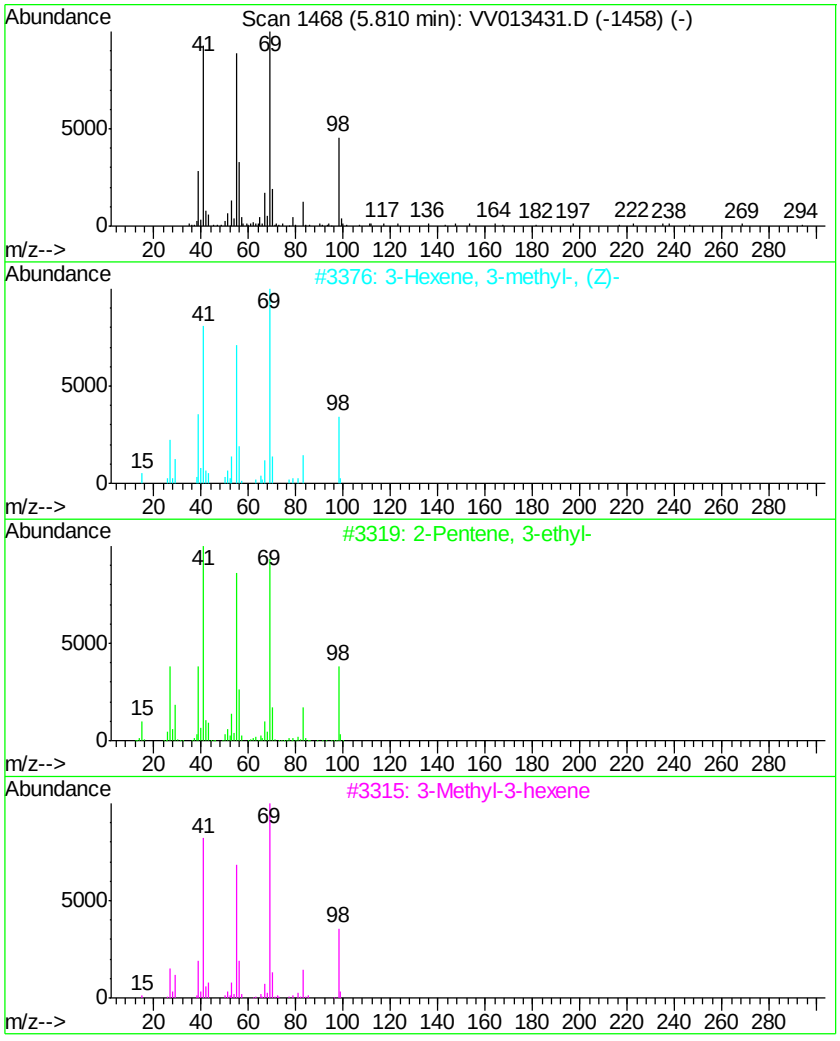
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

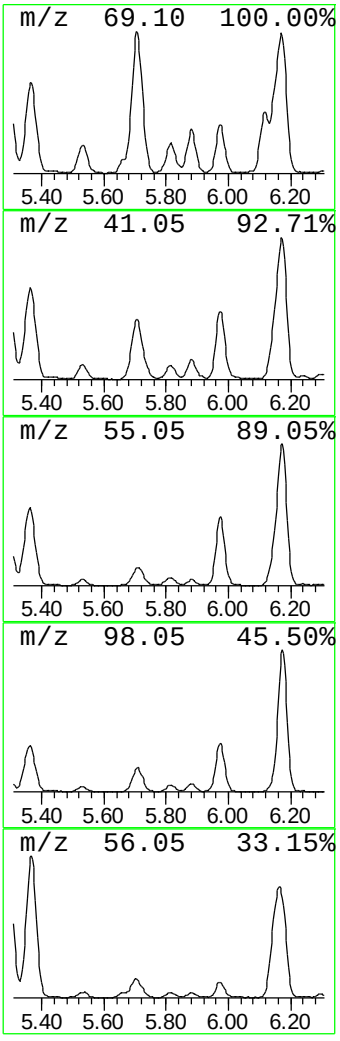
****

Peak Number 28 (DEL) Alkane: Cyclic5.81 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.81	0.60 ug/L	118579	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	87
2	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	86
3	3-Methyl-3-hexene	98	C7H14	003404-65-7	86
4	3-Methyl-3-hexene	98	C7H14	003404-65-7	78
5	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	78





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

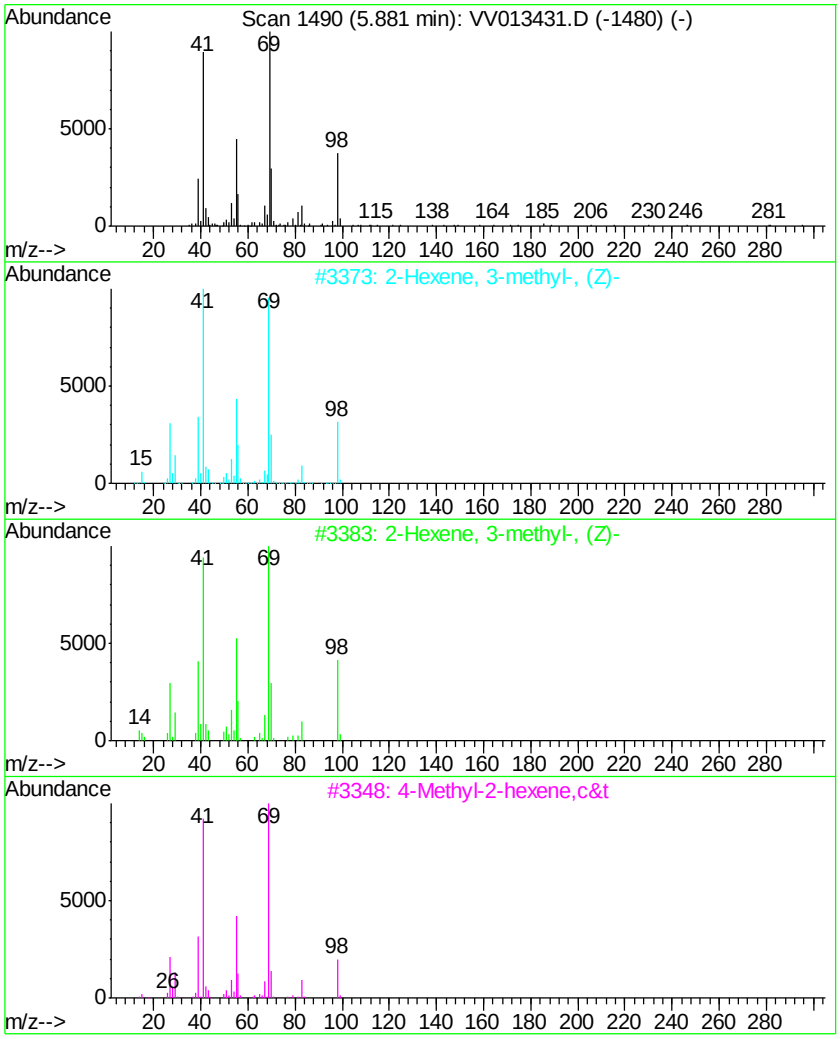
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

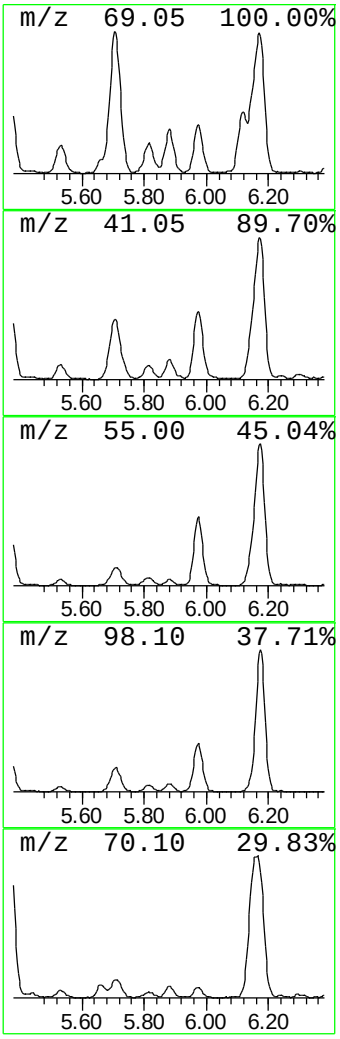
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic5.88 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.88	0.69 ug/L	135832	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	95
2	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	91
3	4-Methyl-2-hexene,c&t	98	C7H14	003404-55-5	90
4	3-Methyl-3-hexene	98	C7H14	003404-65-7	90
5	2-Hexene, 4-methyl-, (E)-	98	C7H14	003683-22-5	86





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

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

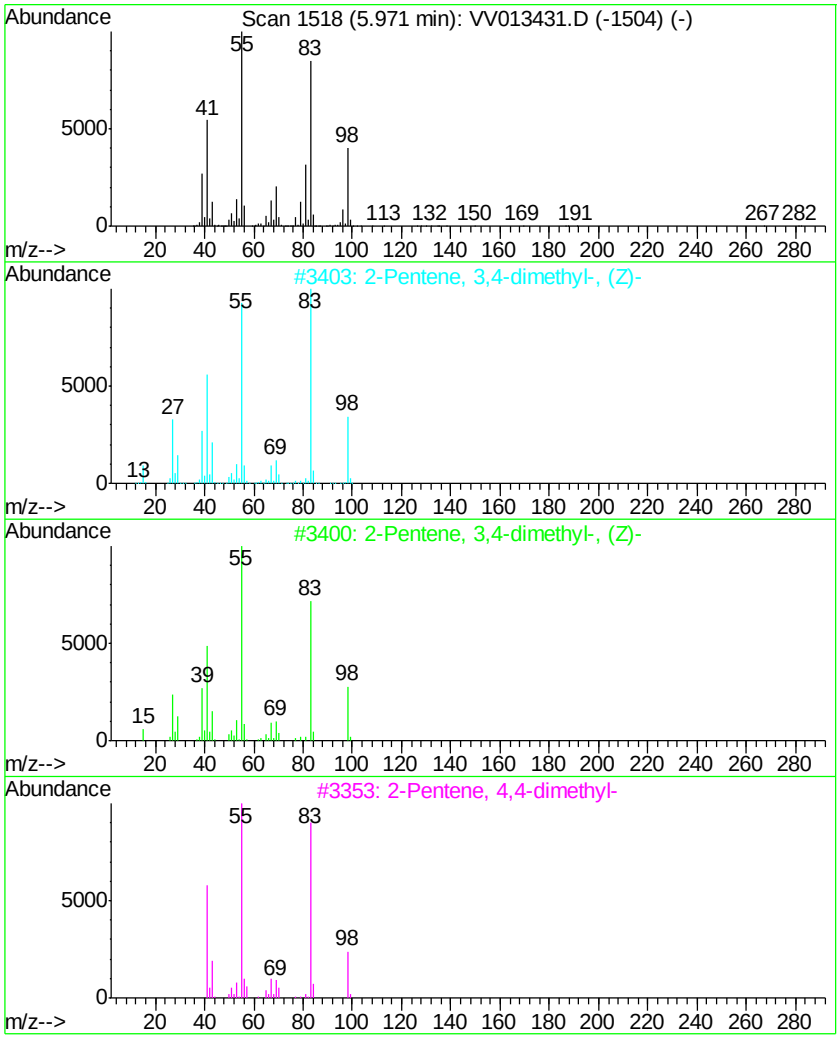
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

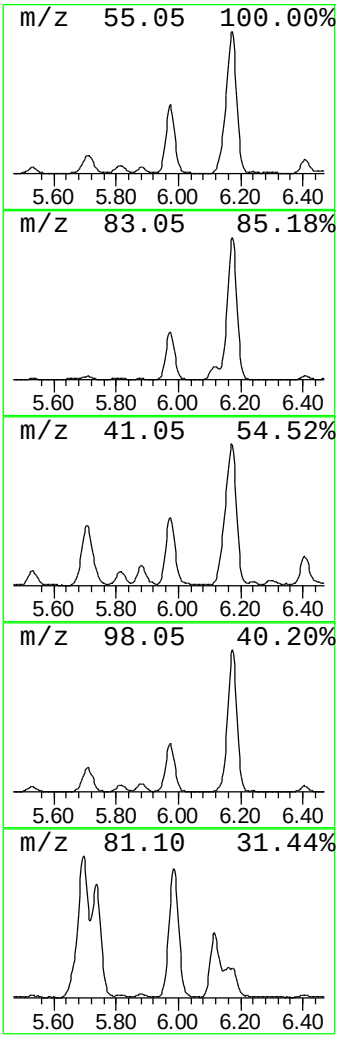
****

Peak Number 30 (DEL) Alkane: Cyclic5.97 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	6.23 ug/L	1224650	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-, (Z)-	98	C7H14	004914-91-4	87
3	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	87
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	87
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	87





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

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

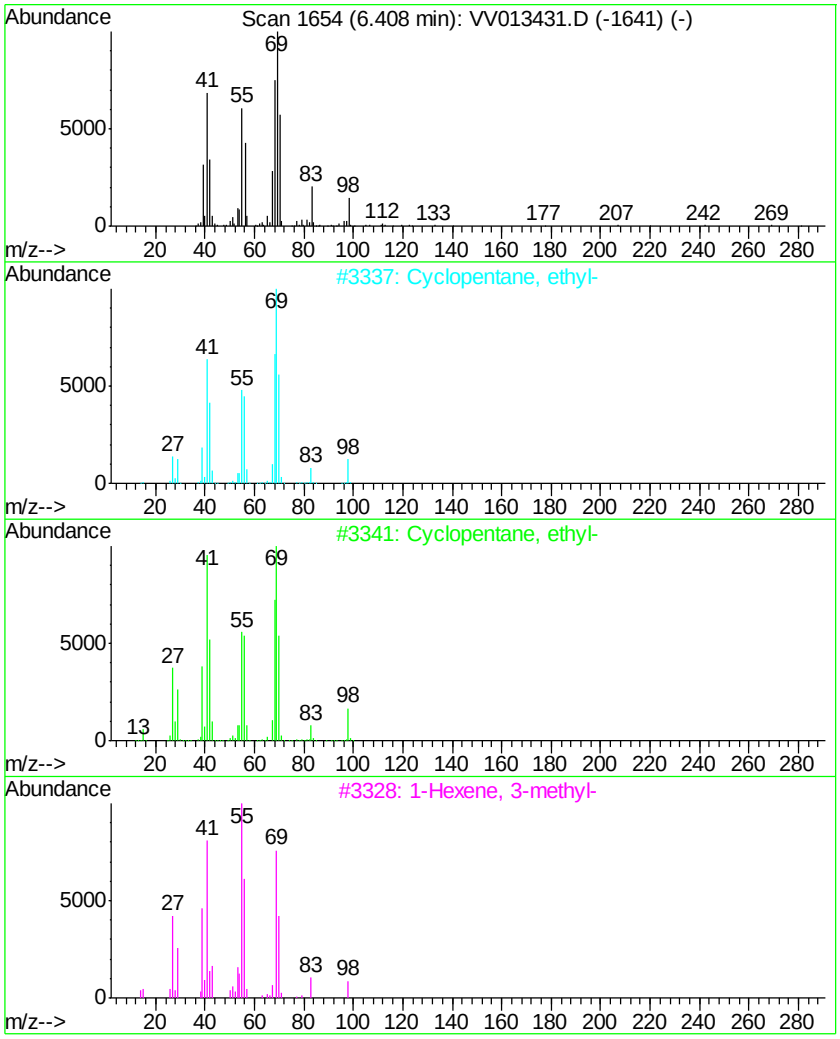
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

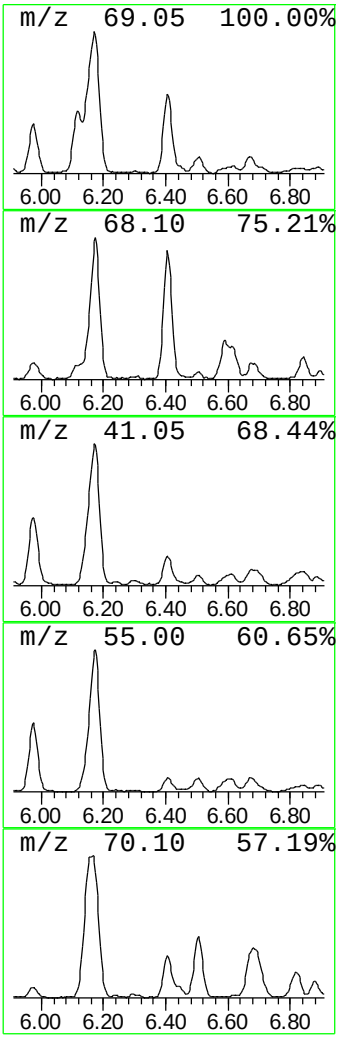
****

Peak Number 31 (DEL) Alkane: Cyclic6.41 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	2.19 ug/L	429907	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	93
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	68
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	58
4	4-Heptenal, (E)-	112	C7H12O	000929-22-6	47
5	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

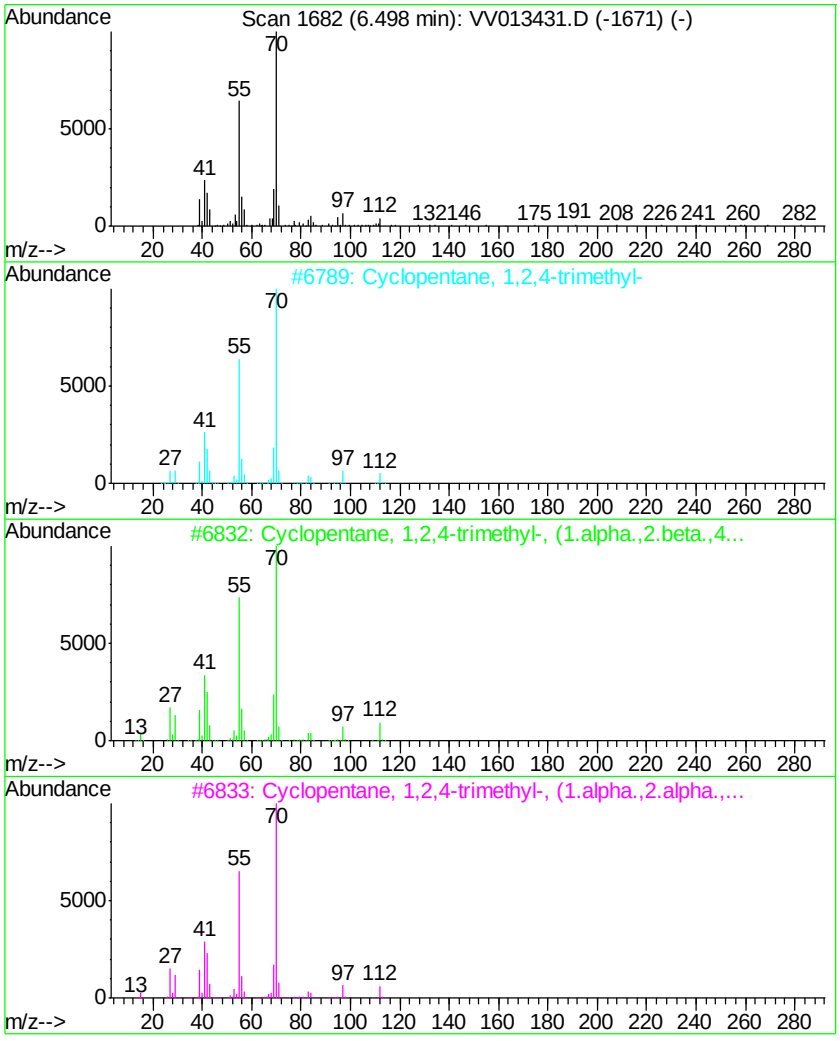
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

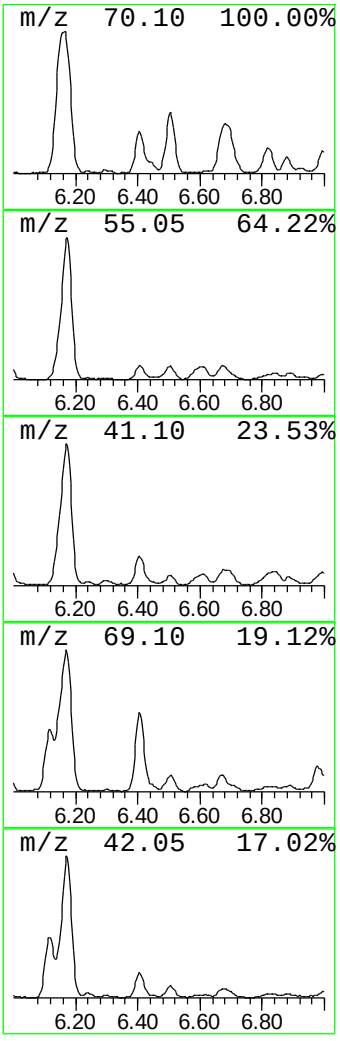
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Cyclic6.50 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	1.25 ug/L	245827	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	90
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	86
4	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78
5	Nonane, 3-methylene-	140	C10H20	051655-64-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

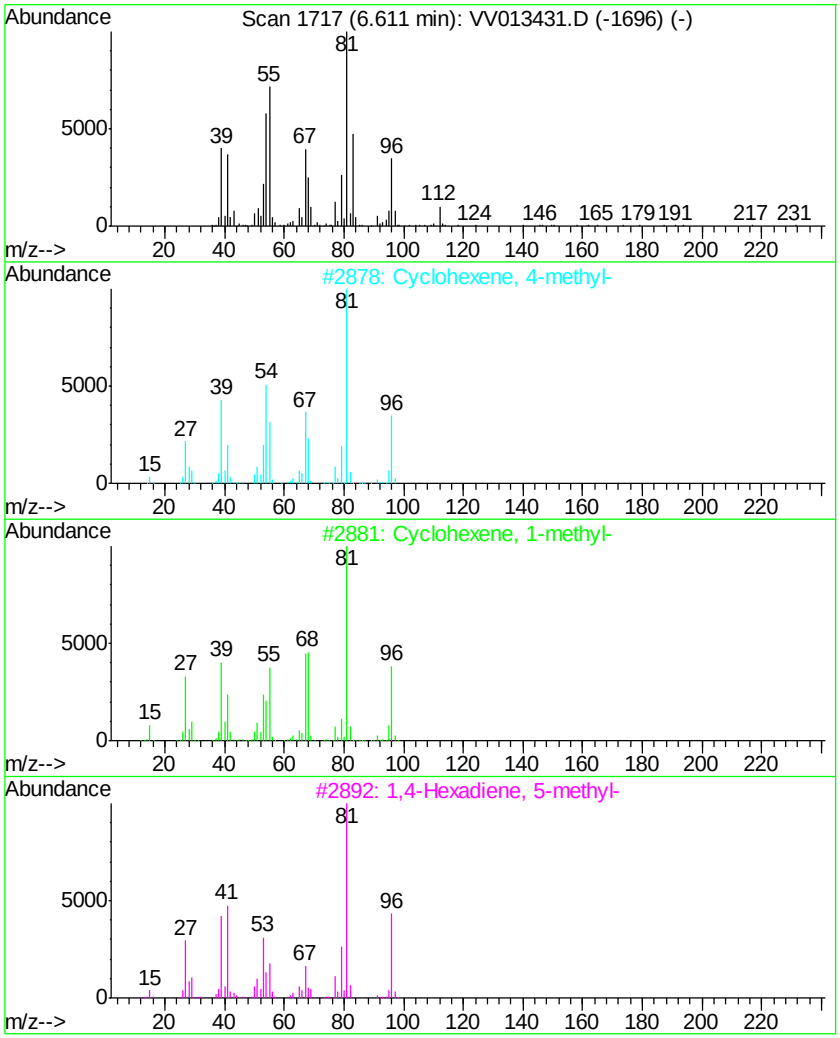
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

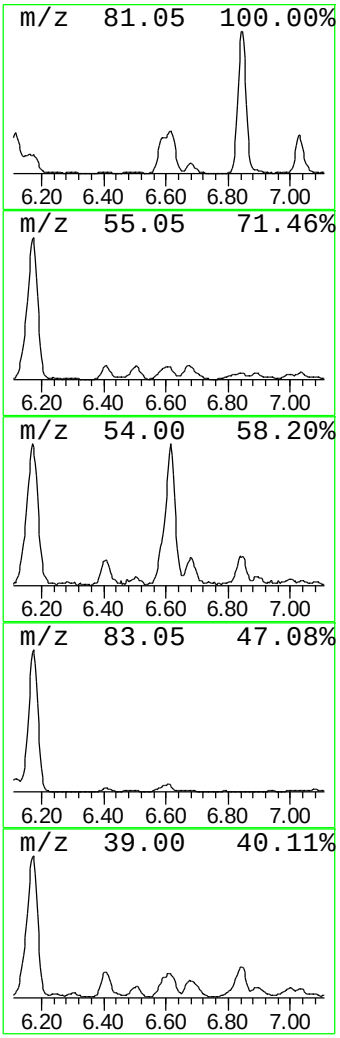
****

Peak Number 33 Cyclohexene, 4-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	2.89 ug/L	568851	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, 1-methyl-	96	C7H12	000591-49-1	64
3	1,4-Hexadiene, 5-methyl-	96	C7H12	000763-88-2	60
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	58
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	52





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

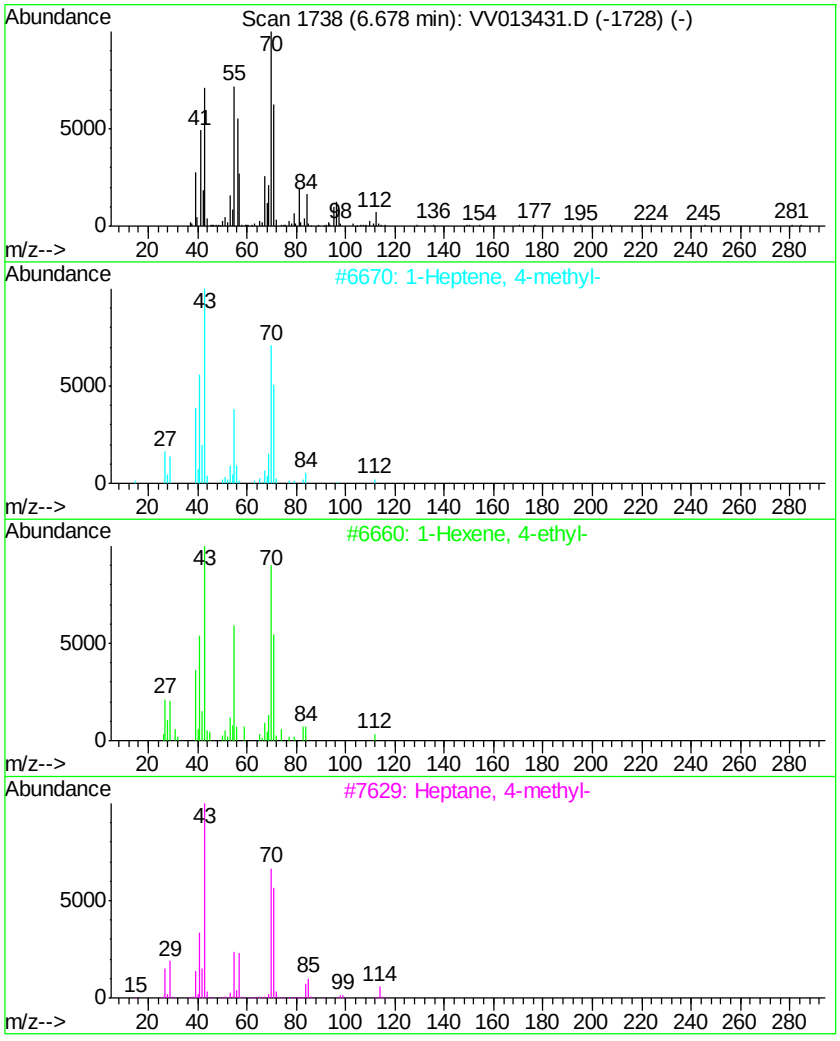
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

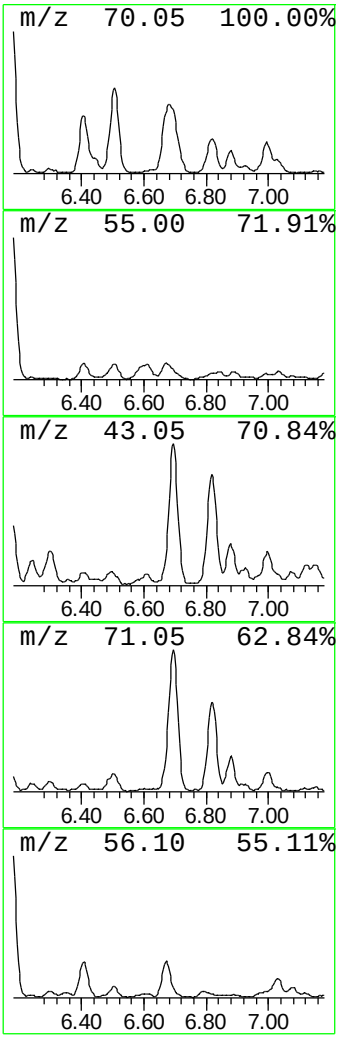
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Cyclic6.68 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	2.67 ug/L	525430	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	64
2	1-Hexene, 4-ethyl-	112	C8H16	016746-85-3	62
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	50
4	Pyrrolidine	71	C4H9N	000123-75-1	47
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	46





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

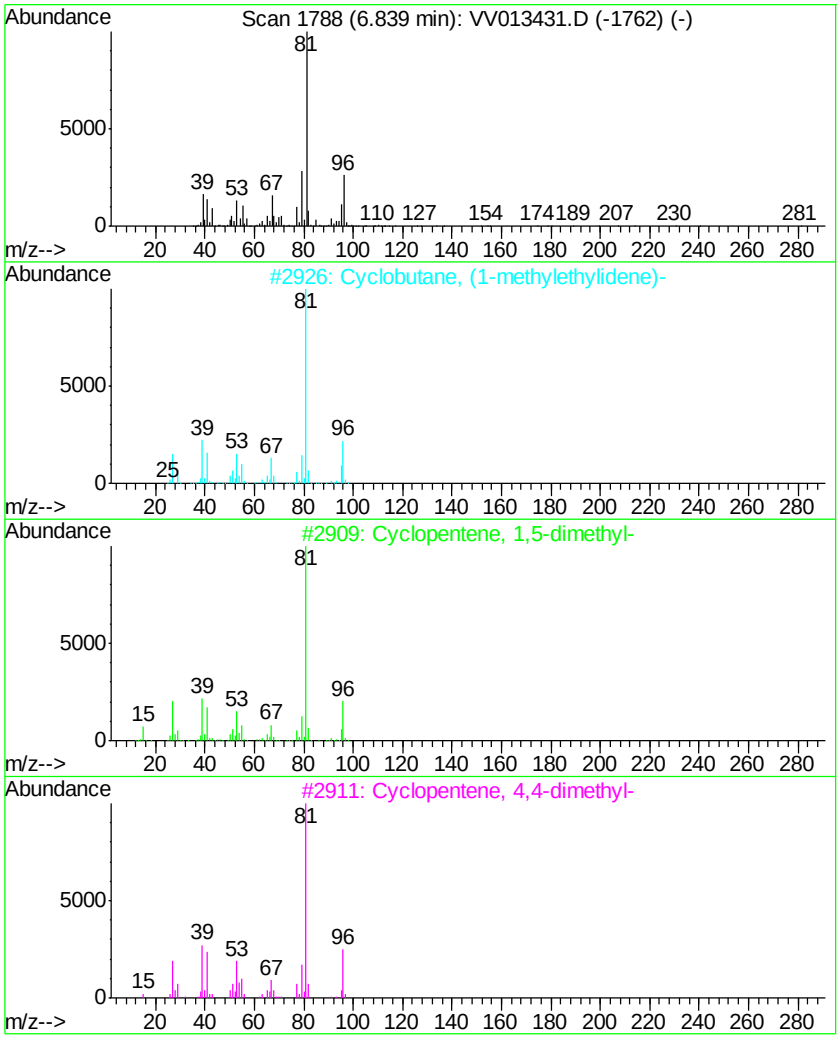
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

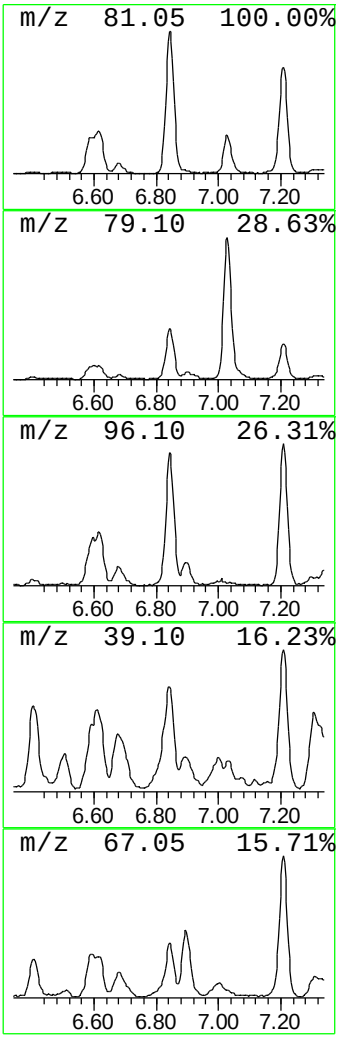
****

Peak Number 35 Cyclobutane, (1-methylethyl... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	4.06 ug/L	798943	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	86
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	86
5	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

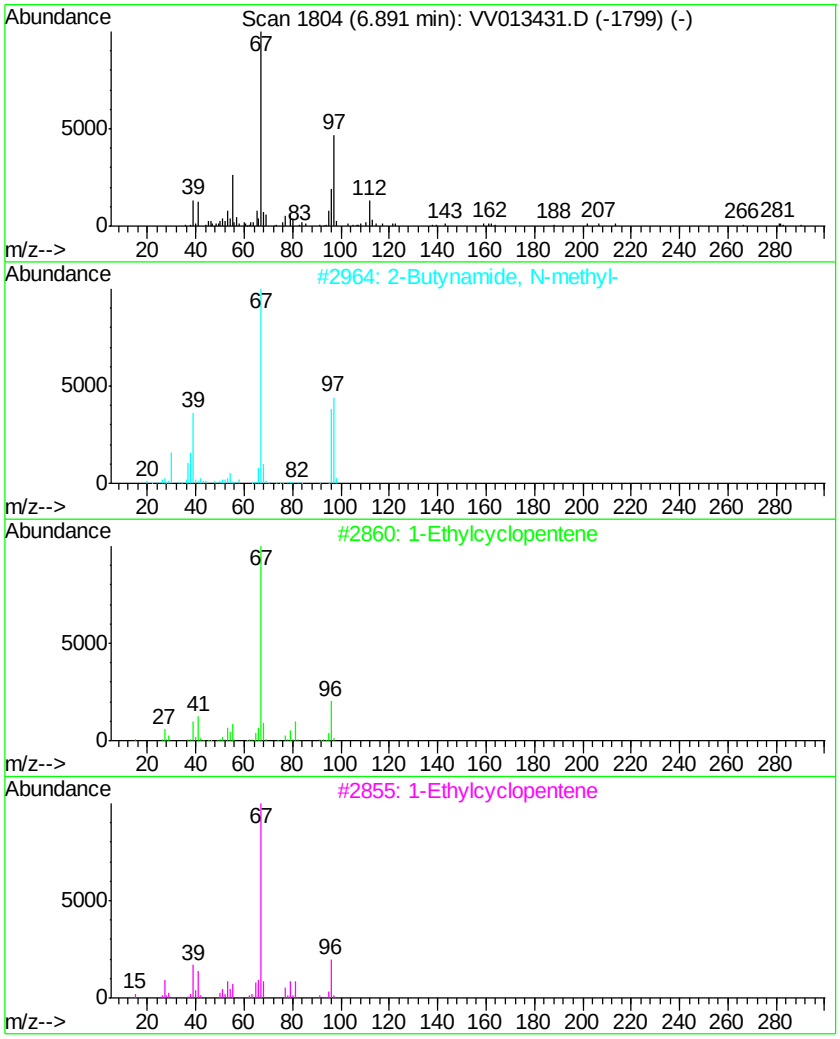
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

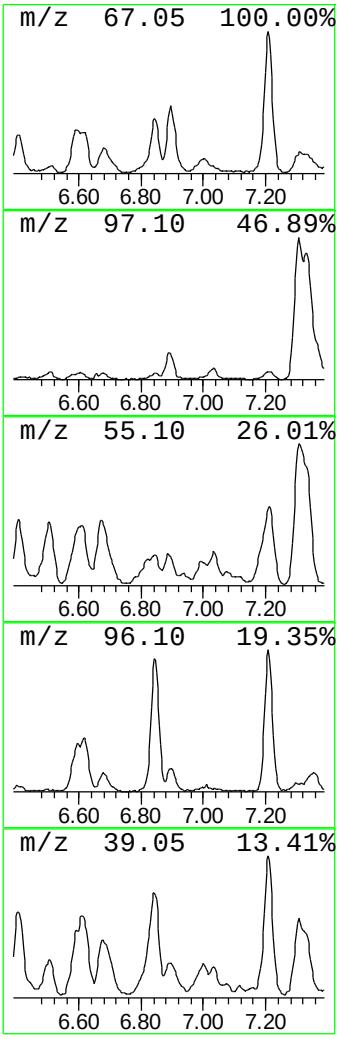
****

Peak Number 36 2-Butynamide, N-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.89	0.92 ug/L	180950	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butynamide, N-methyl-	97	C5H7NO	063798-30-1	64
2	1-Ethylcyclopentene	96	C7H12	002146-38-5	49
3	1-Ethylcyclopentene	96	C7H12	002146-38-5	47
4	Cyclopentene, 3-ethyl-	96	C7H12	000694-35-9	47
5	1-Ethylcyclopentene	96	C7H12	002146-38-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

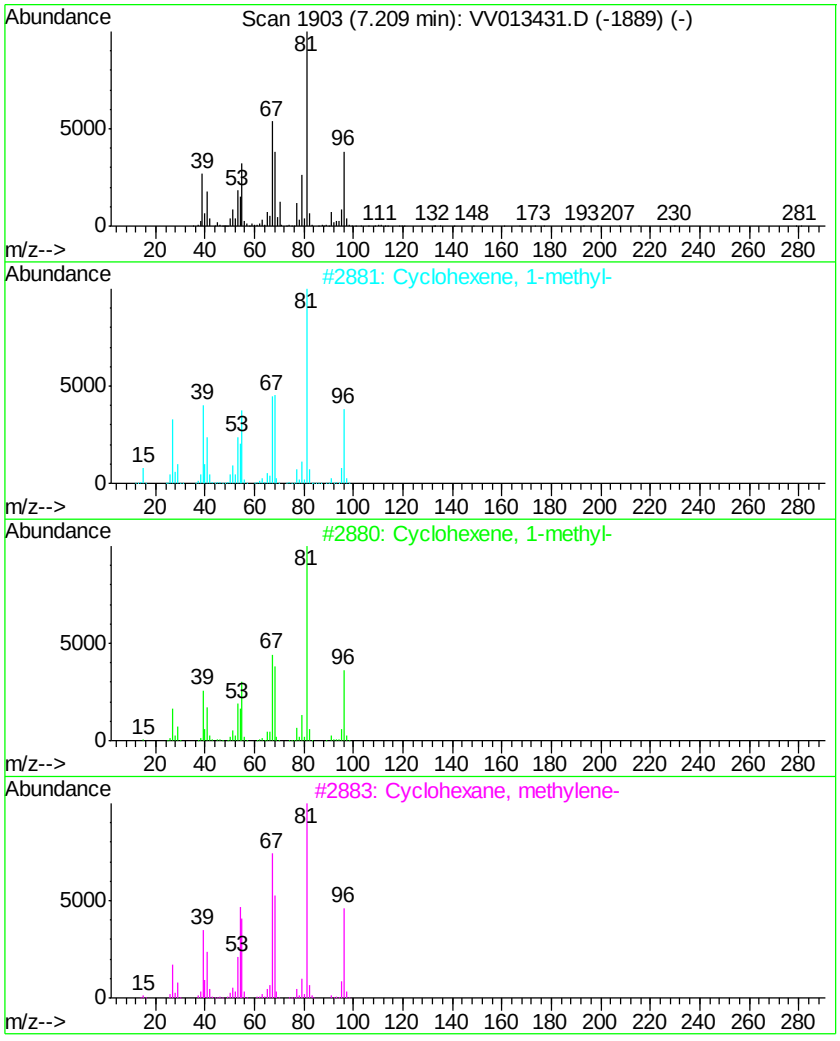
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

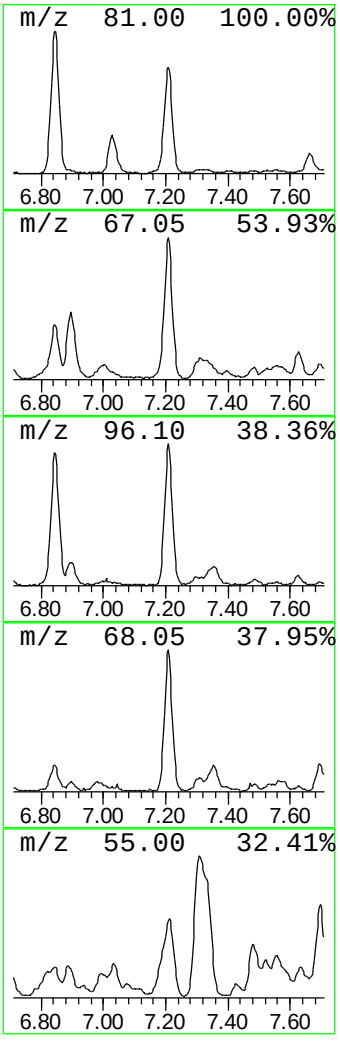
****

Peak Number 38 Cyclohexene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	3.58 ug/L	703651	1,4-Difluorobenzene	5.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	93
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	87
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

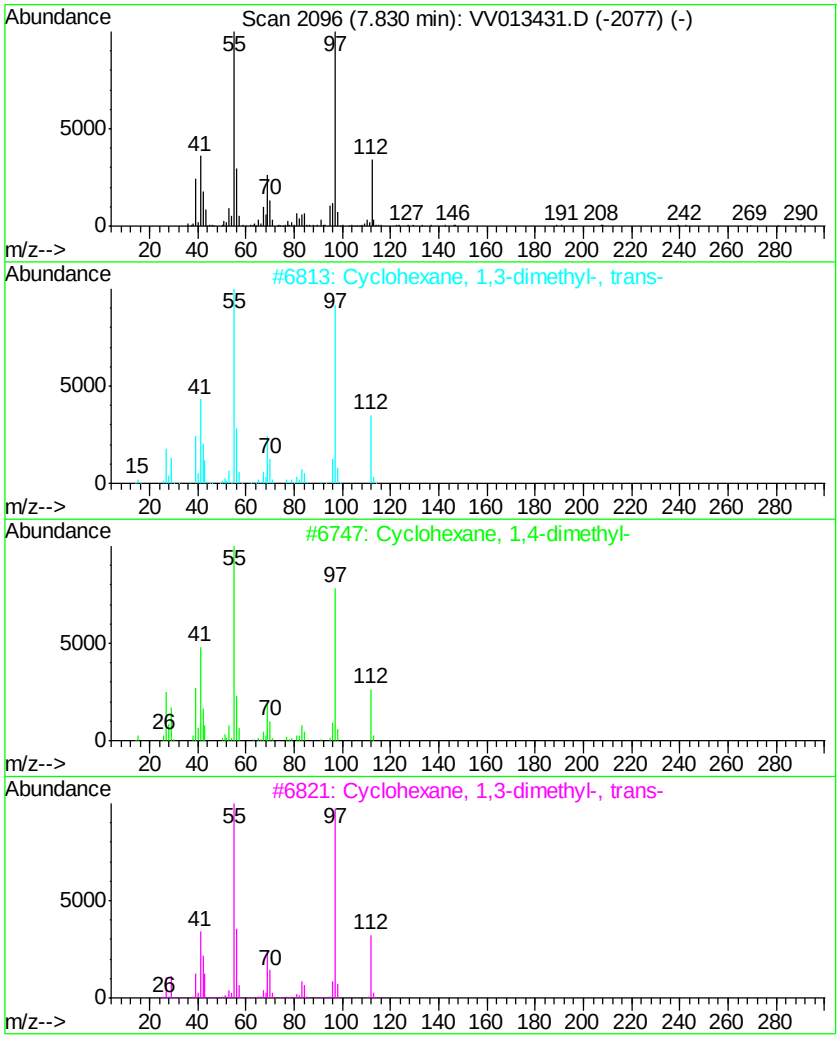
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

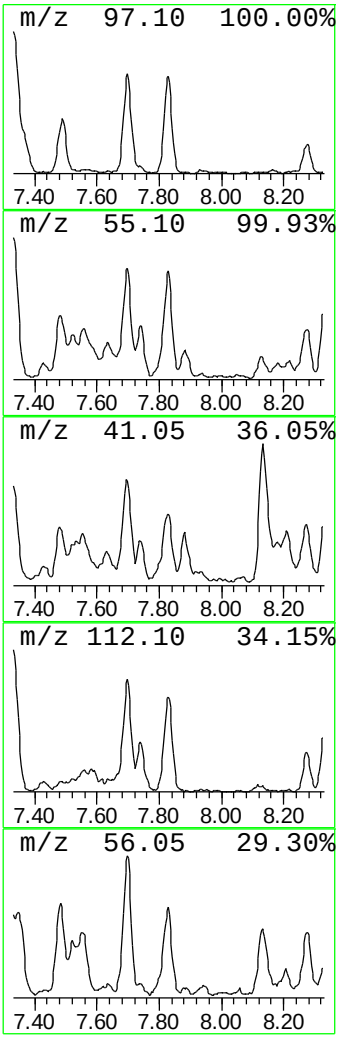
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Cyclic7.83 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	1.31 ug/L	303260	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, 1,4-dimethyl-	112	C8H16	000589-90-2	95
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

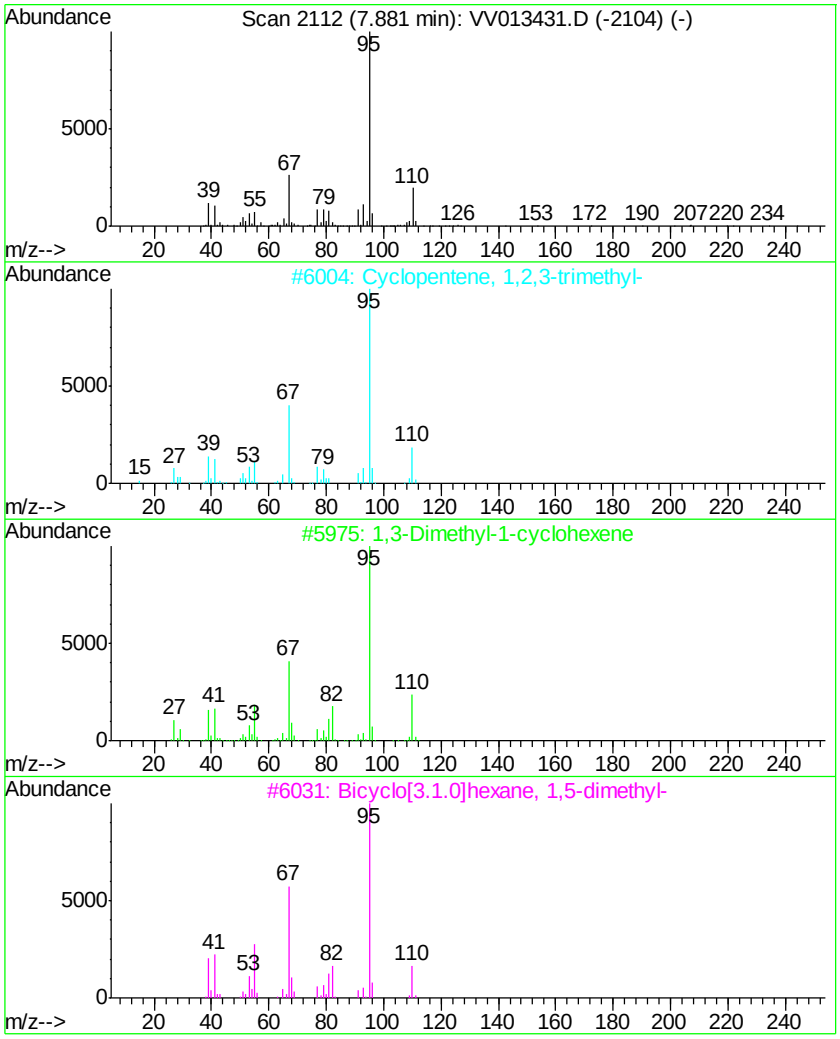
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

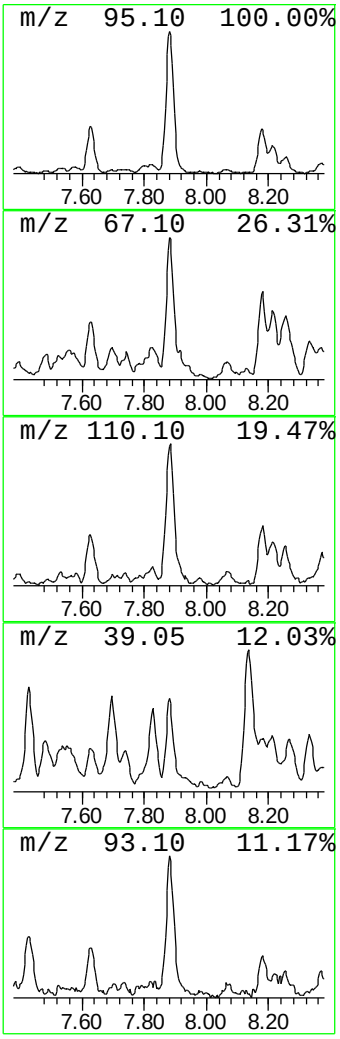
****

Peak Number 40 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	1.62 ug/L	373690	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	78
3	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	78
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72
5	2-Isopropylimidazole	110	C6H10N2	036947-68-9	64





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

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

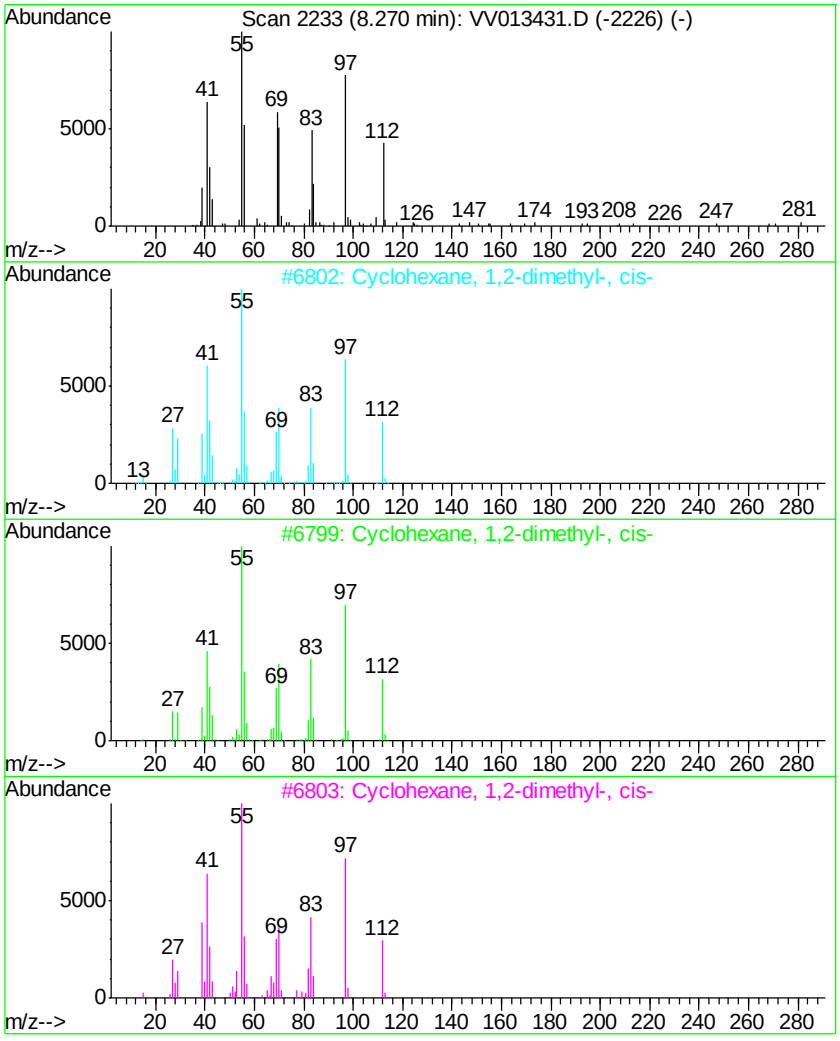
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

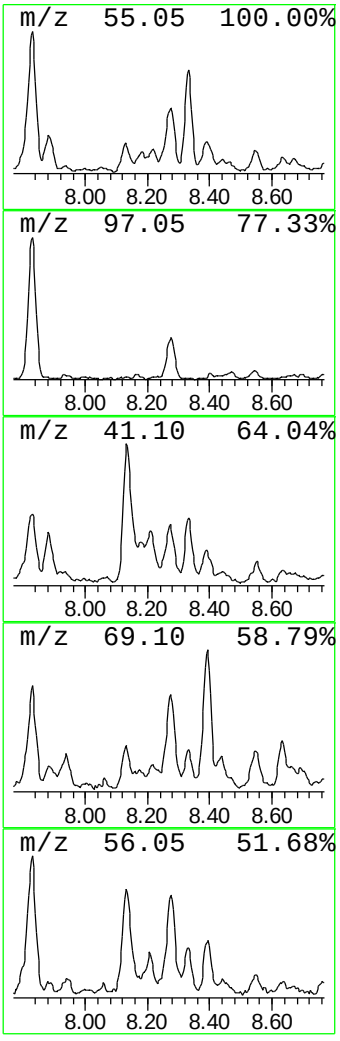
****

Peak Number 41 (DEL) Alkane: Cyclic8.27 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	0.81 ug/L	186772	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	87
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	83
4	Cycloheptane, methyl-	112	C8H16	004126-78-7	59
5	4-Octene, (E)-	112	C8H16	014850-23-8	50





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

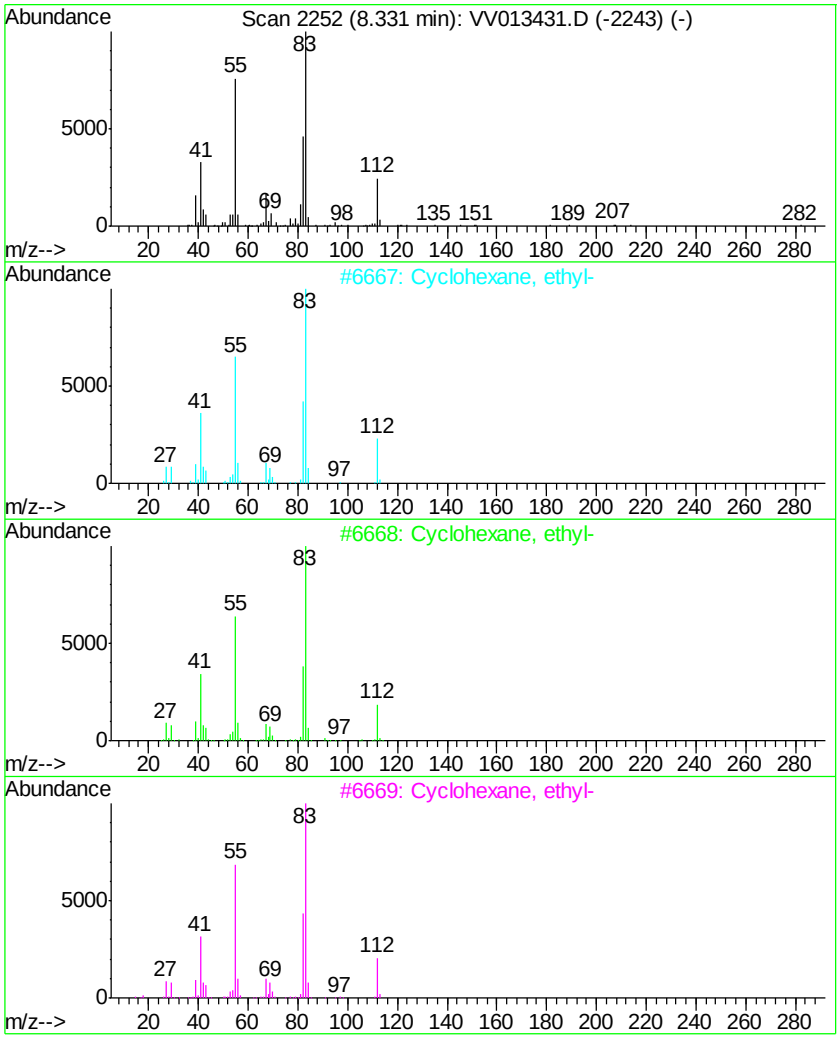
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

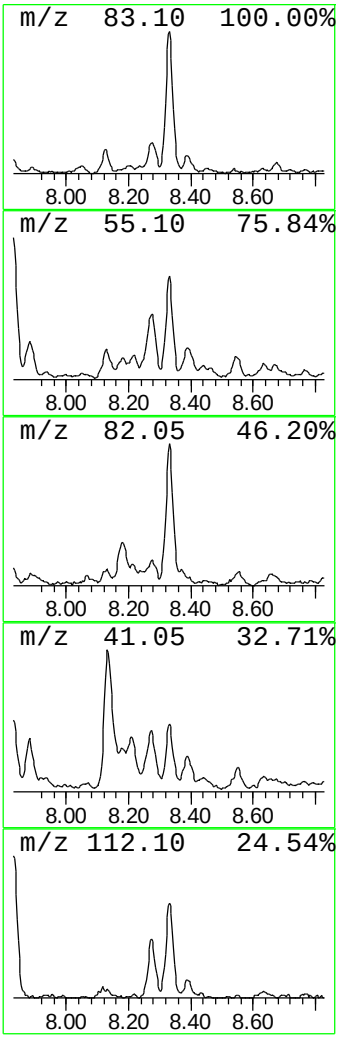
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Cyclic8.33 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	0.69 ug/L	159701	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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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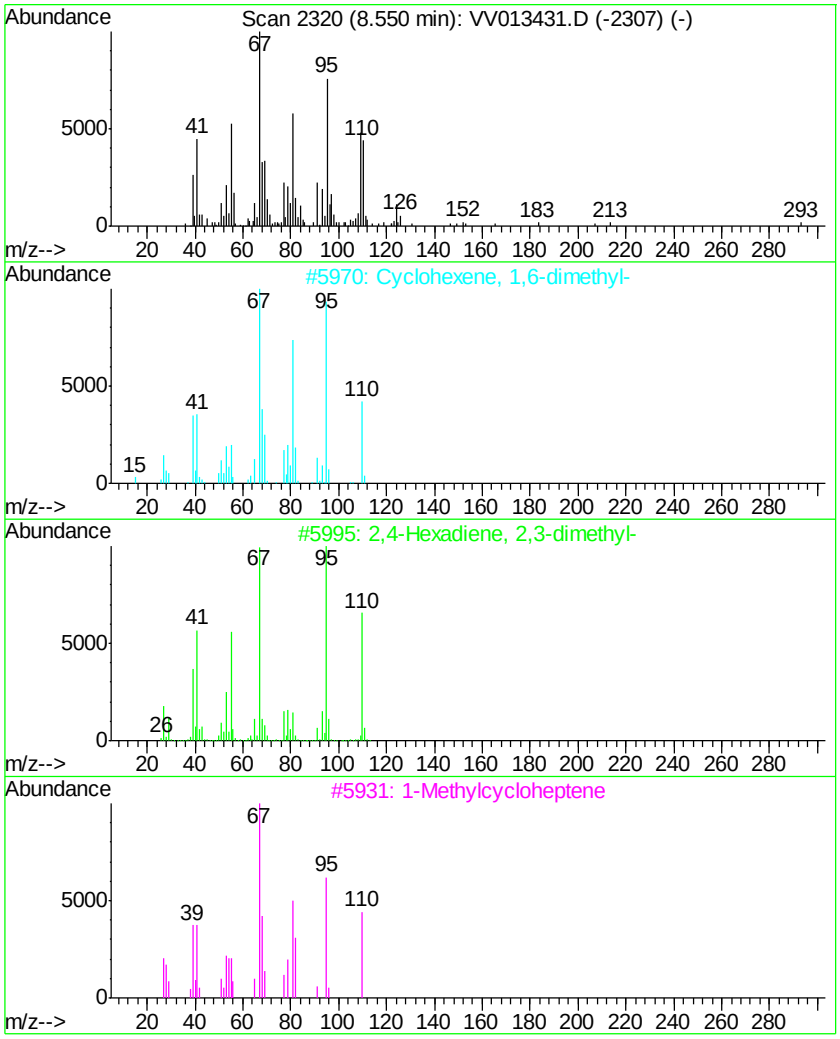
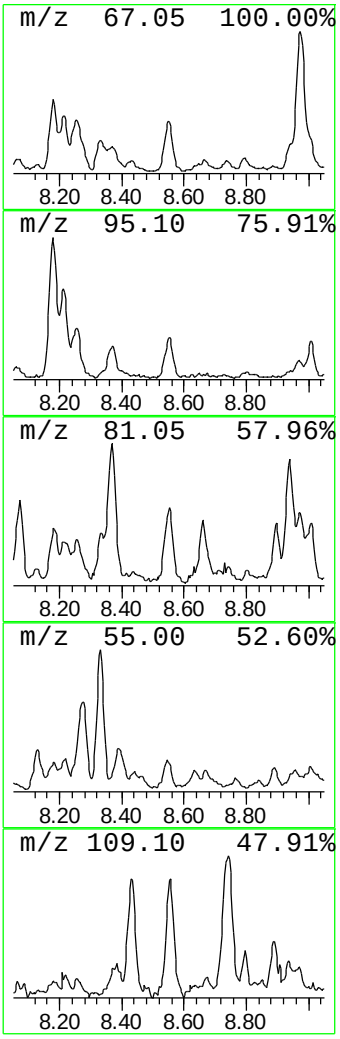
Peak Number 43 Cyclohexene, 1,6-dimethyl- Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	0.51 ug/L	117087	Chlorobenzene-d5	8.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1,6-dimethyl-	110	C8H14	001759-64-4	96
2	2,4-Hexadiene, 2,3-dimethyl-	110	C8H14	005678-98-8	76
3	1-Methylcycloheptene	110	C8H14	055308-20-8	70
4	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	68
5	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	68





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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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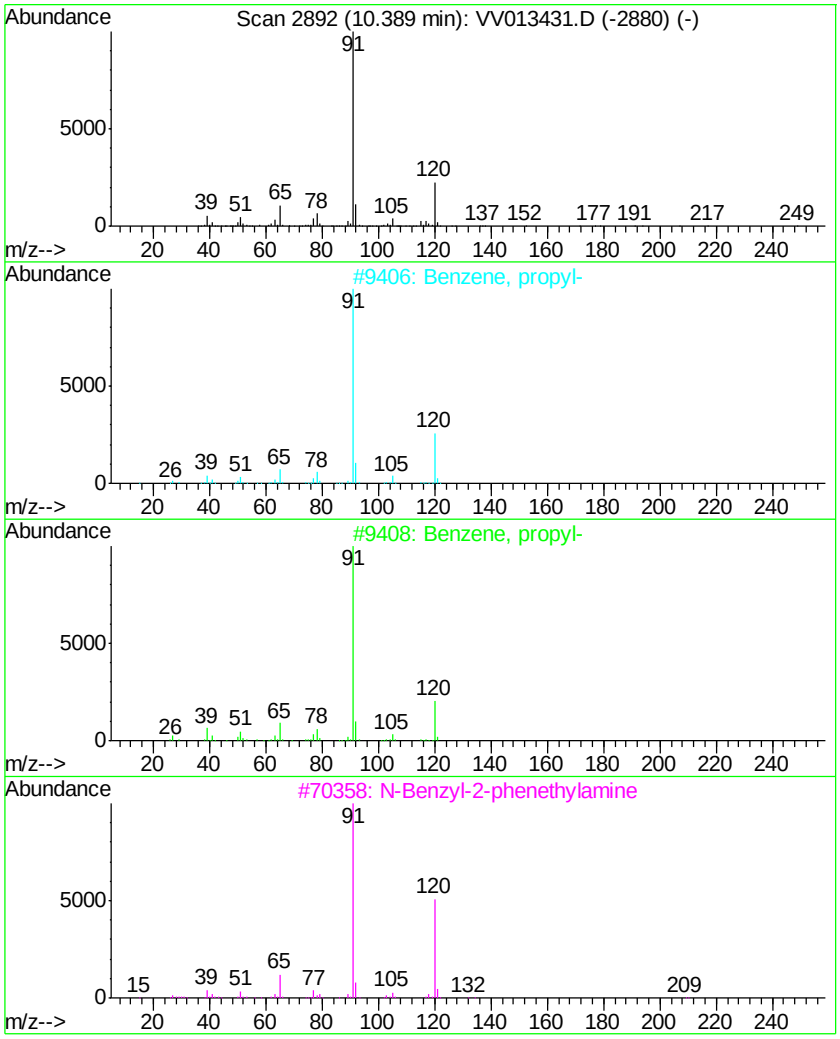
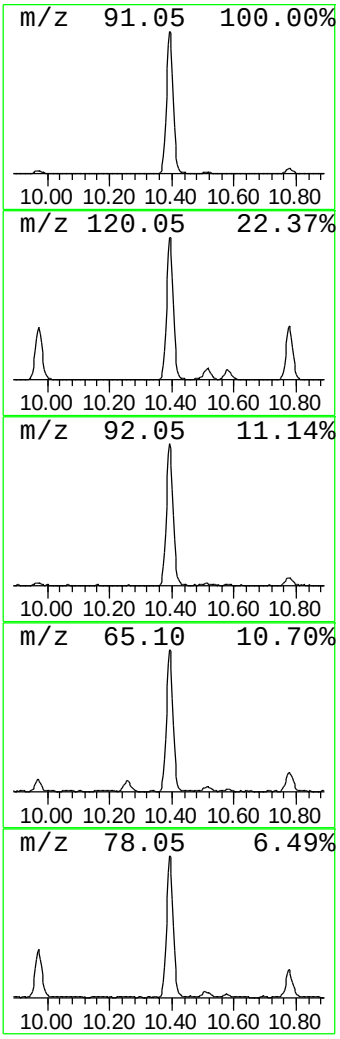
Peak Number 44 Benzene, propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	6.07 ug/L	1661420	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

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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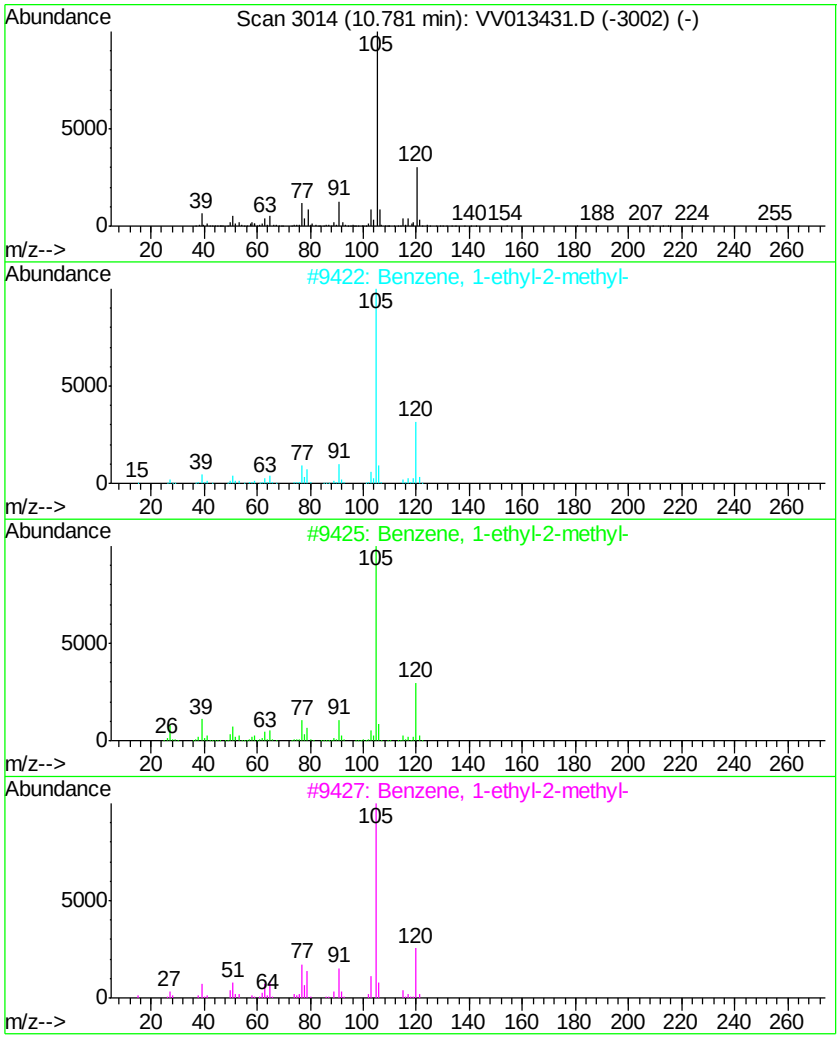
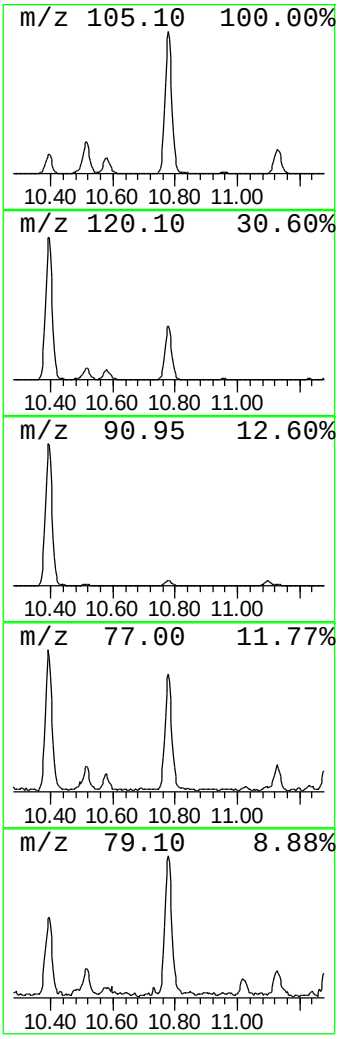
Peak Number 45 Benzene, 1-ethyl-2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	2.23 ug/L	609926	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-2-methyl-	120	C9H12	000611-14-3	93
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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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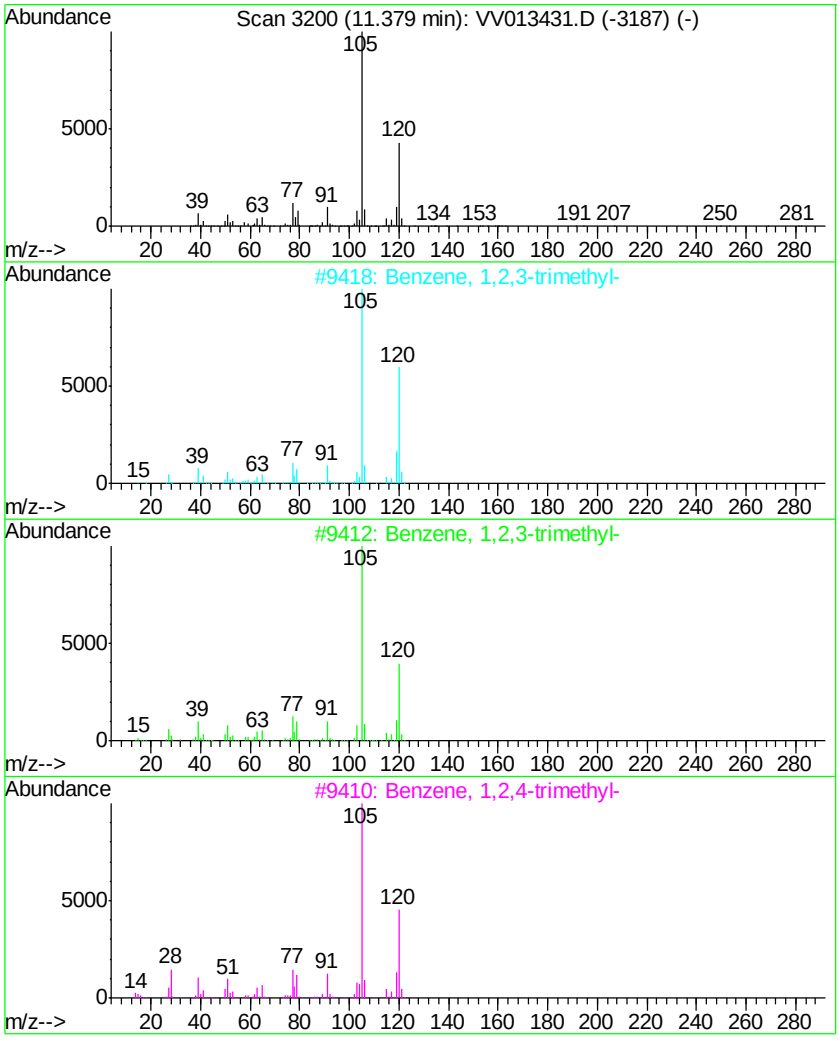
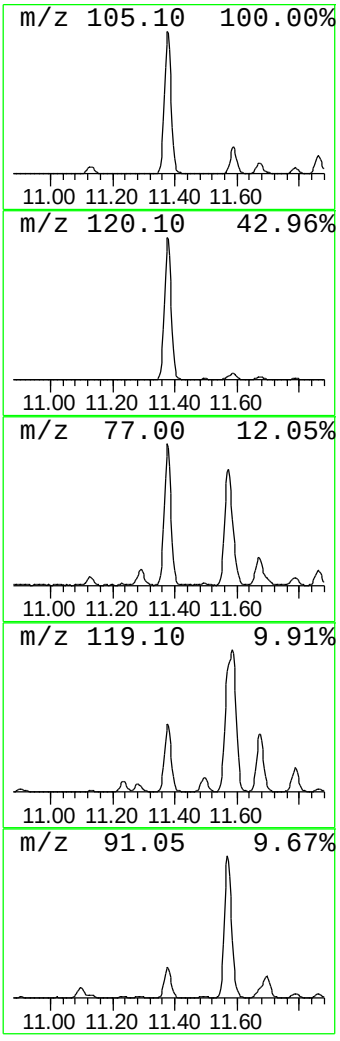
Peak Number 46 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	7.71 ug/L	2110980	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	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

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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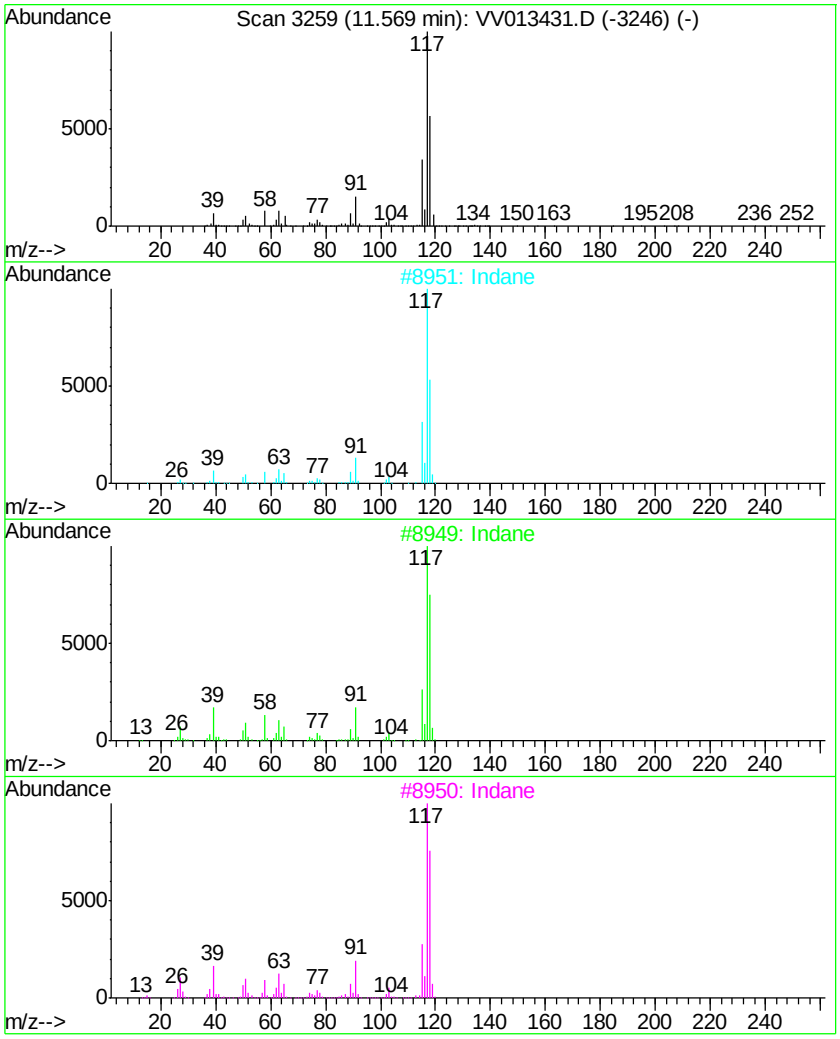
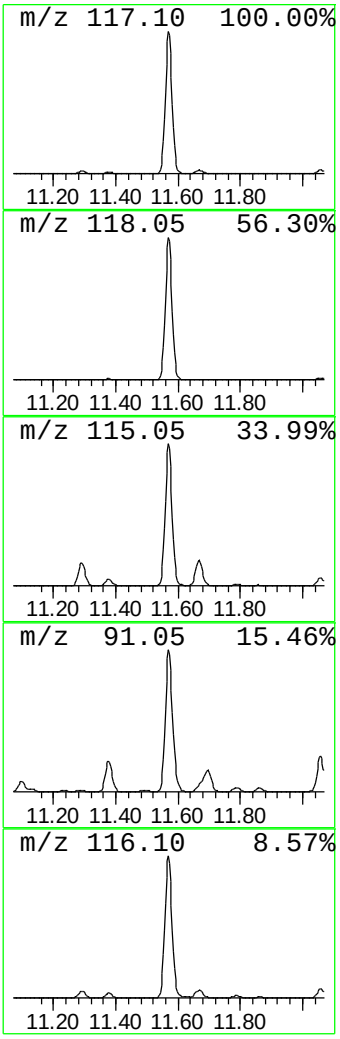
Peak Number 47 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	27.32 ug/L	7482410	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	91
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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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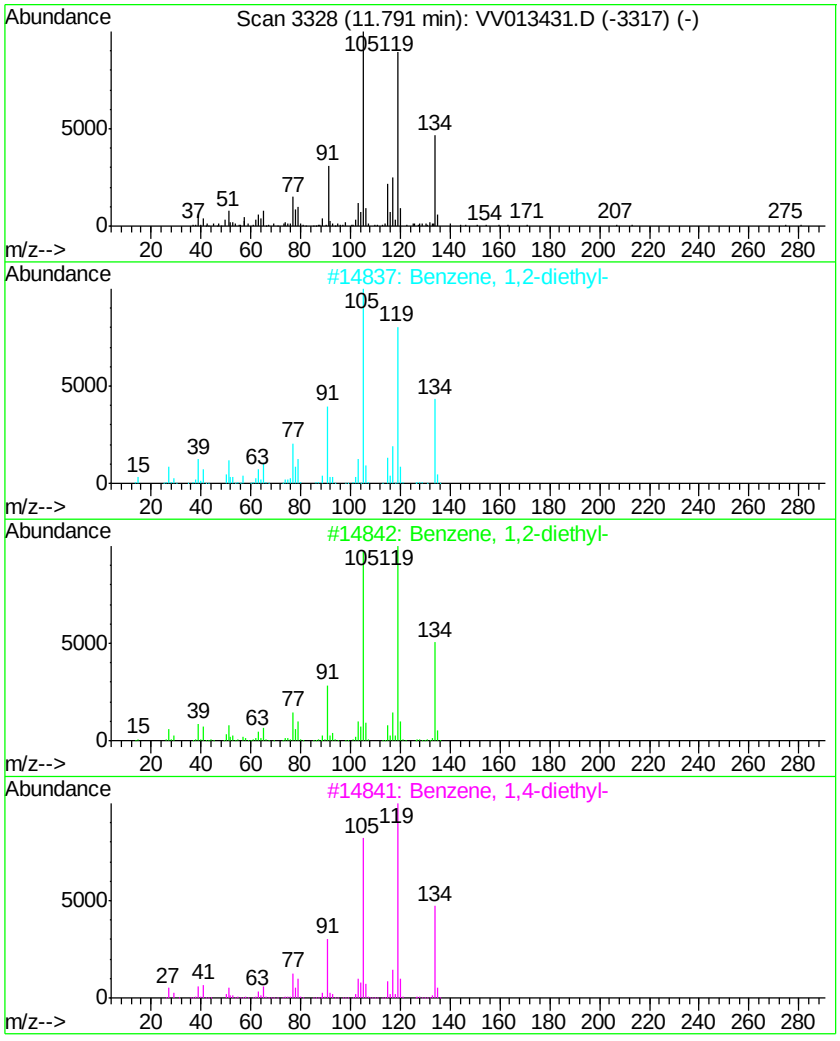
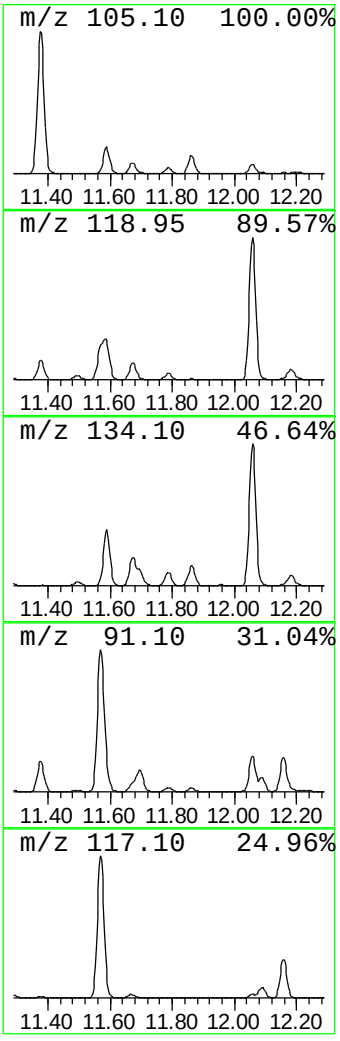
Peak Number 48 Benzene, 1,2-diethyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	0.61 ug/L	165926	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	94
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	81





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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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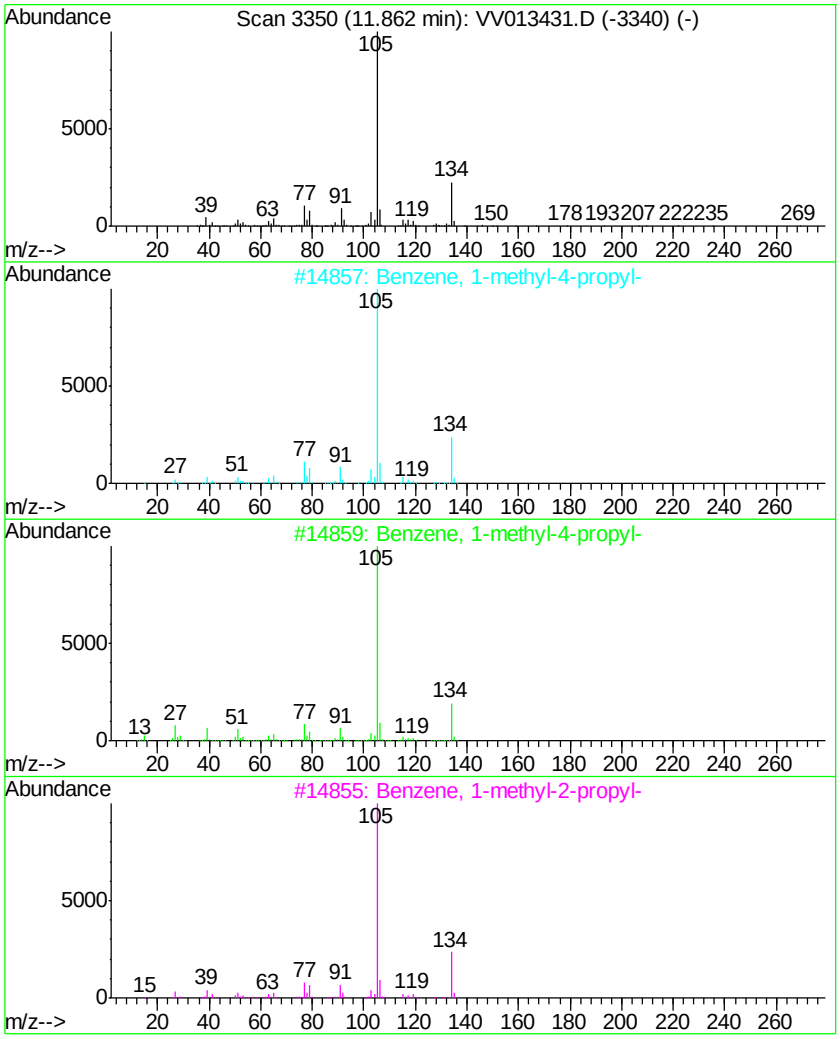
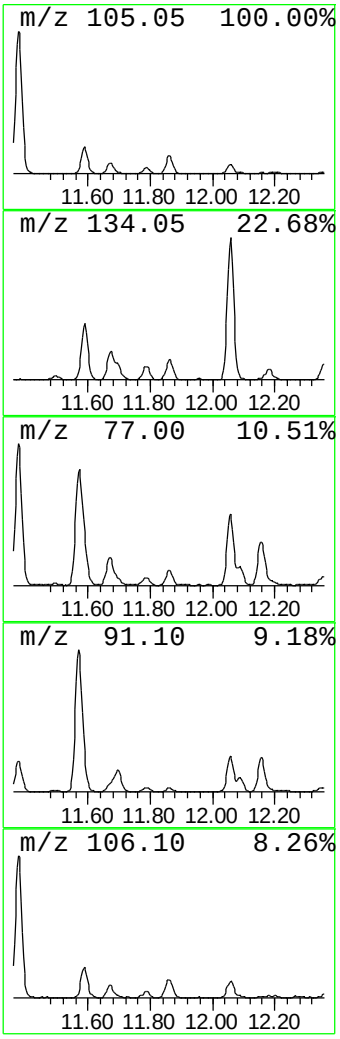
Peak Number 49 Benzene, 1-methyl-4-propyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	0.83 ug/L	227673	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	93
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

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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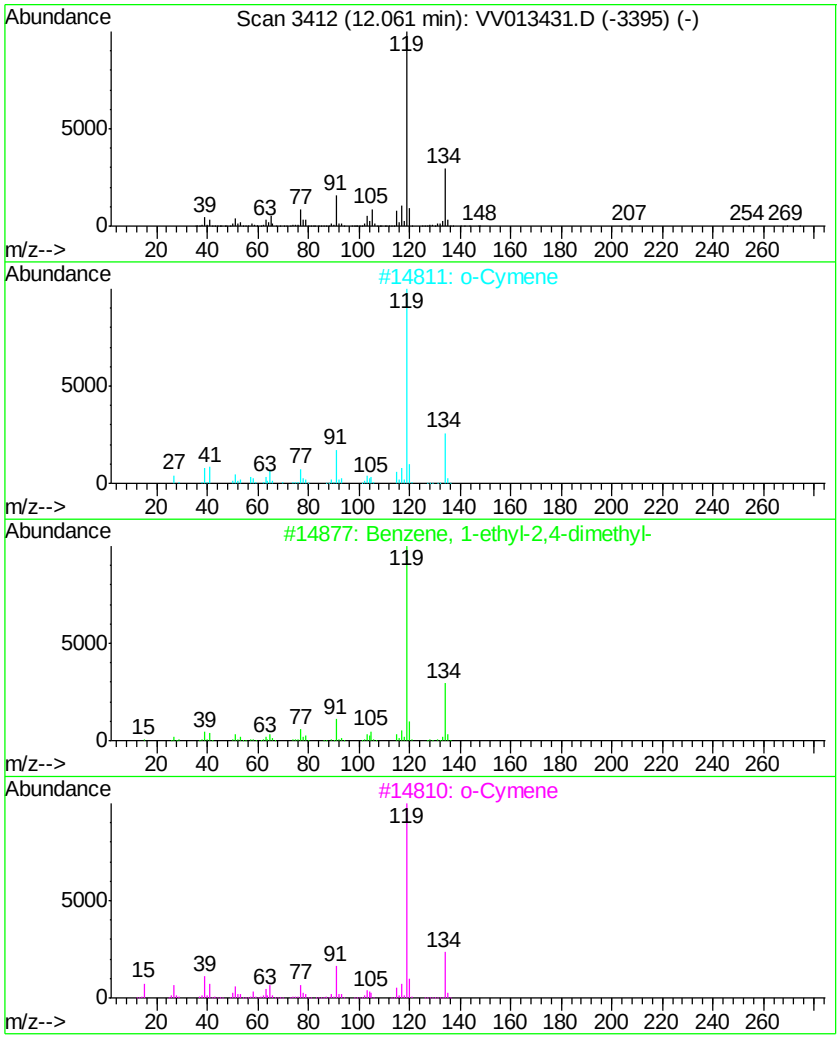
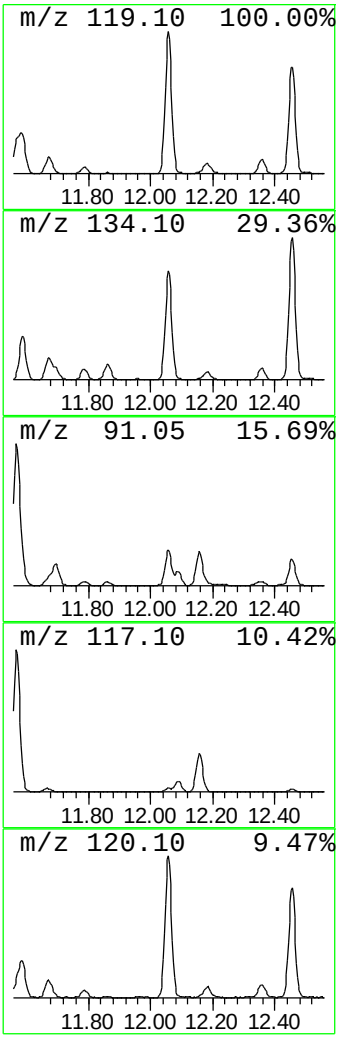
Peak Number 50 o-Cymene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	5.56 ug/L	1524230	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
3	o-Cymene	134	C10H14	000527-84-4	97
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

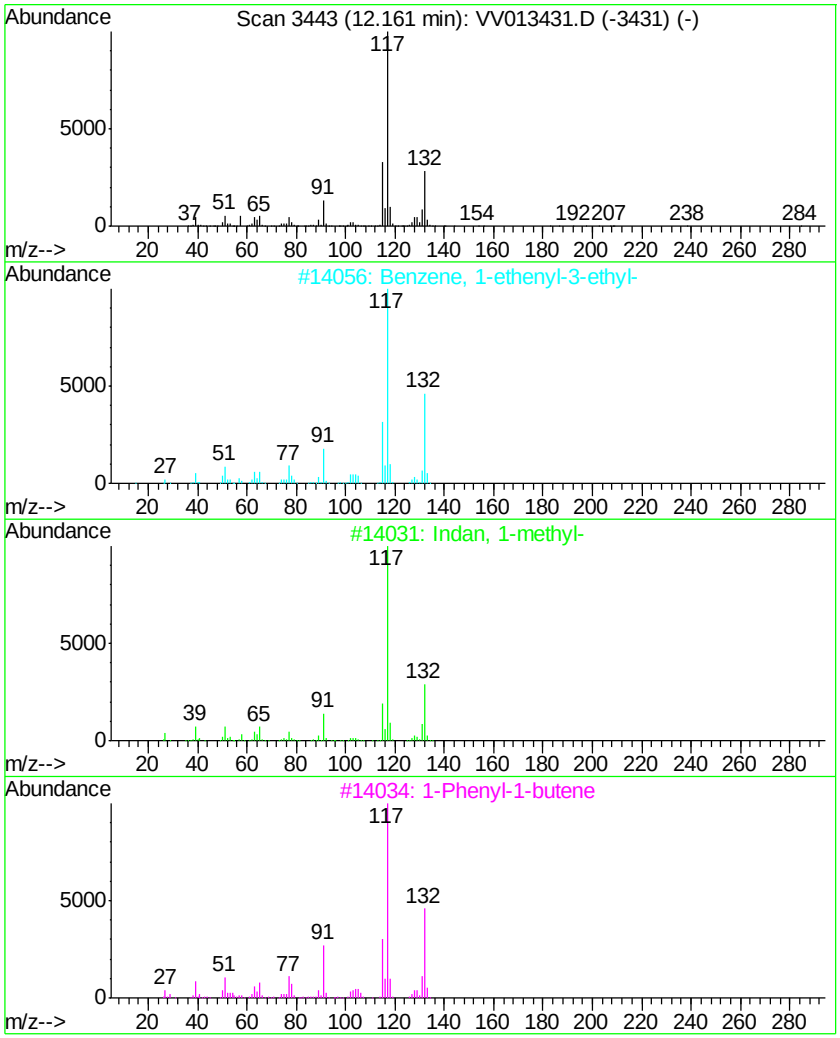
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

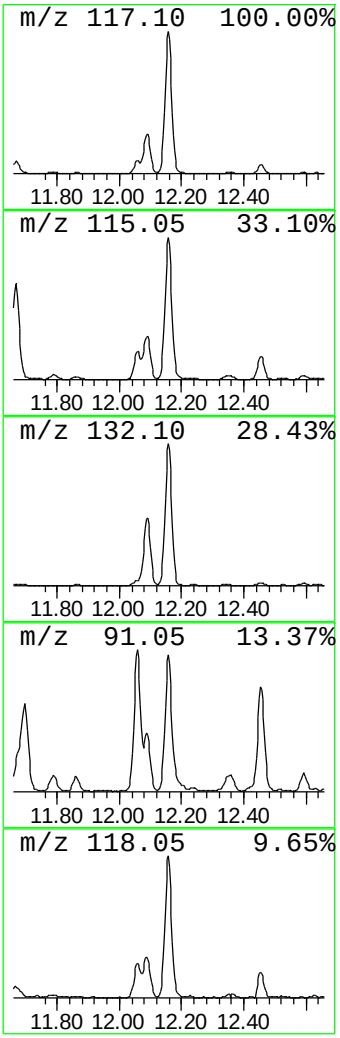
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	6.94 ug/L	1899860	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	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86





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Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

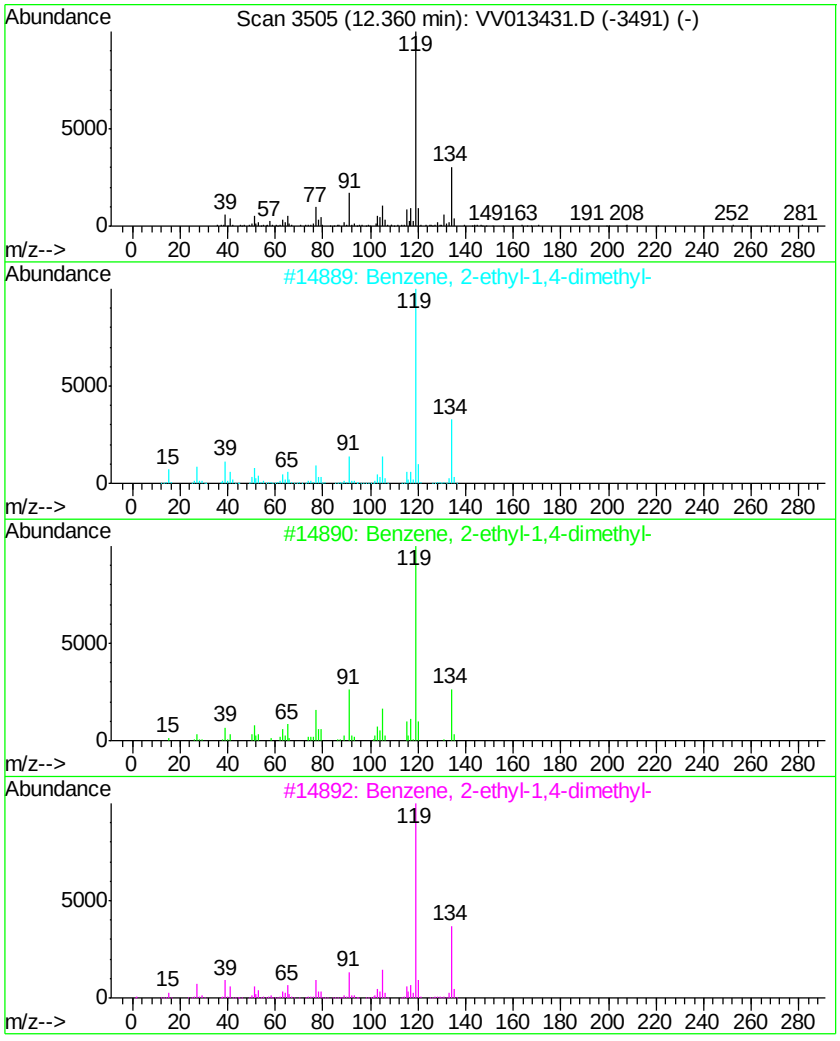
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

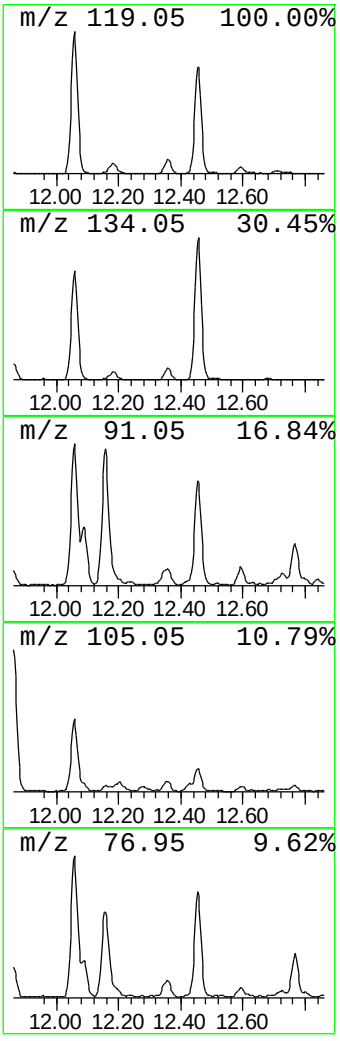
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	0.78 ug/L	212439	1,4-Dichlorobenzene-d4	11.29

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

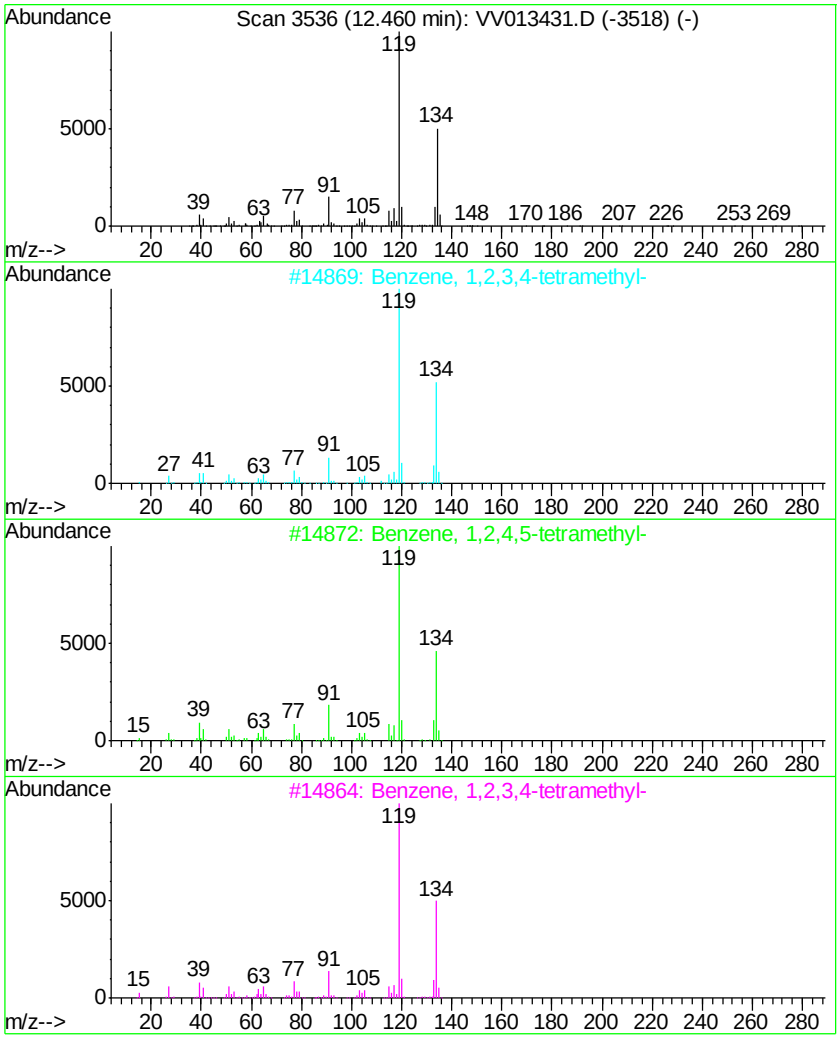
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

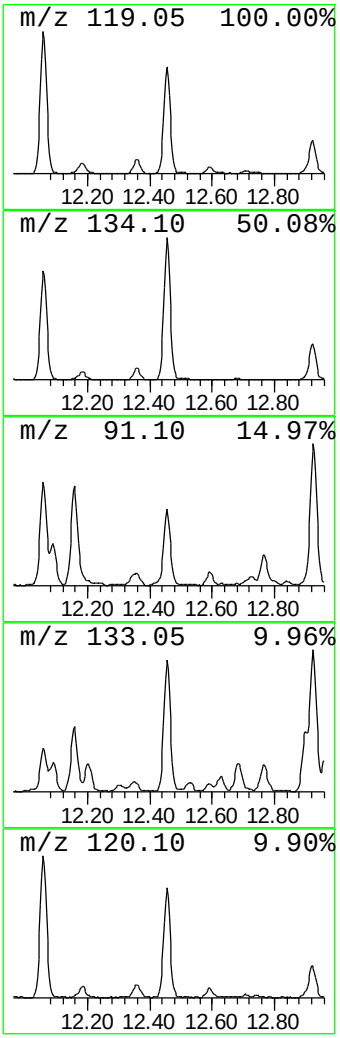
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.43 ug/L	1214710	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

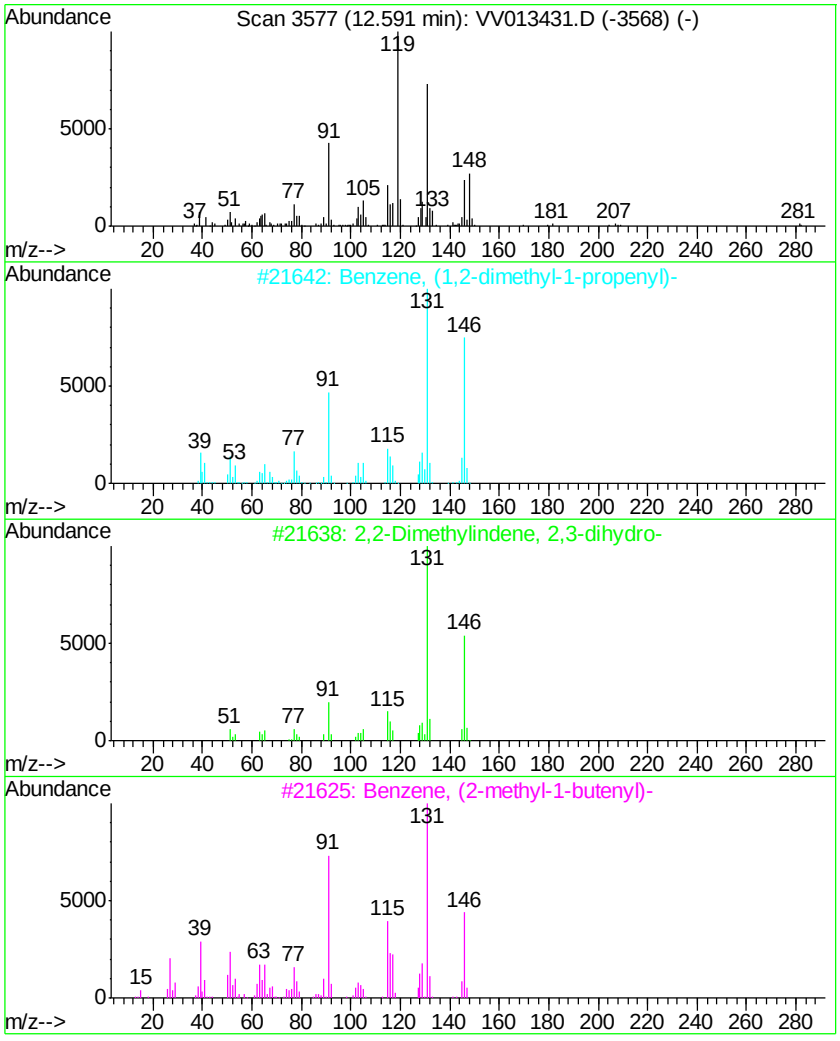
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

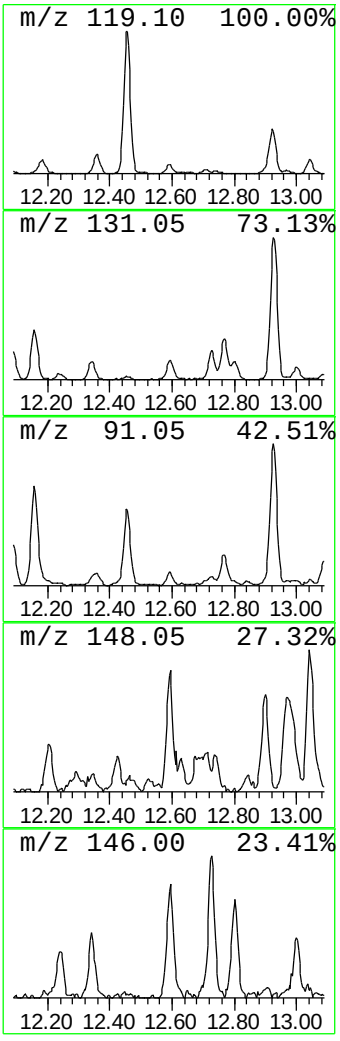
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	0.53 ug/L	145964	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	55
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	55





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

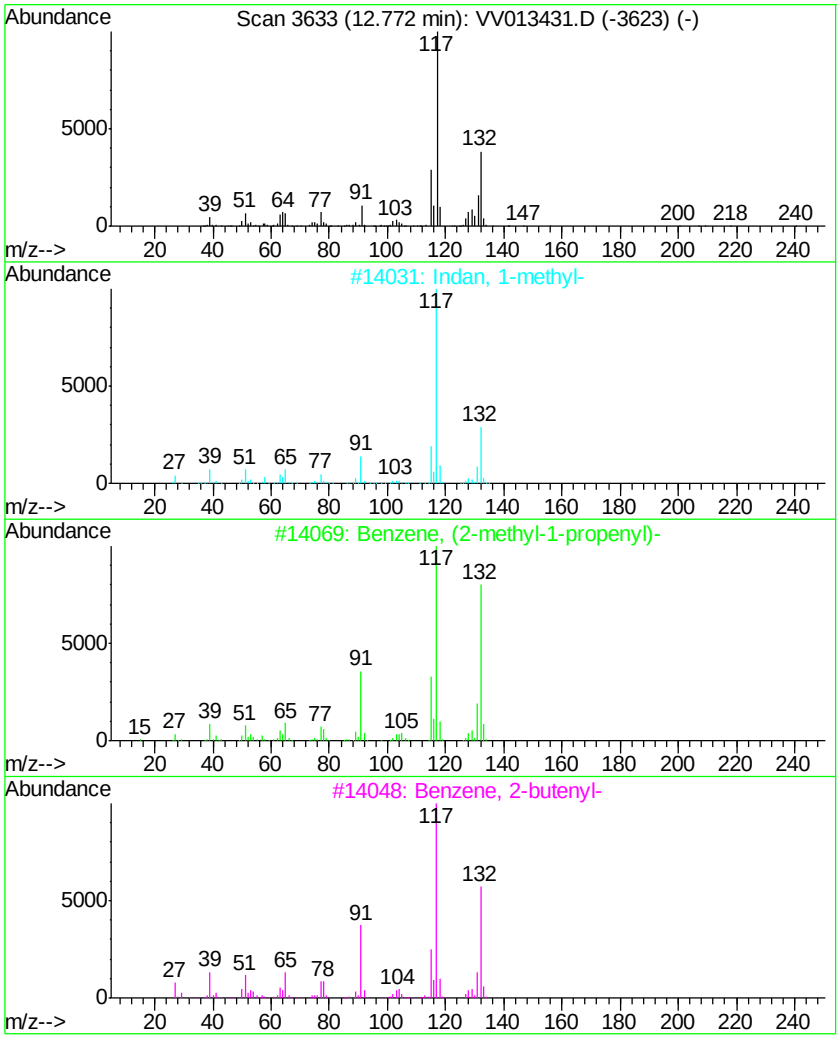
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

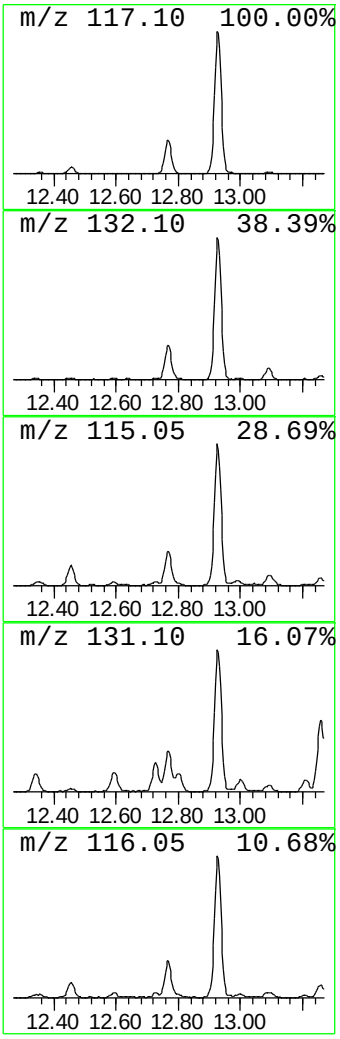
****

Peak Number 55 Indan, 1-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	2.13 ug/L	582524	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

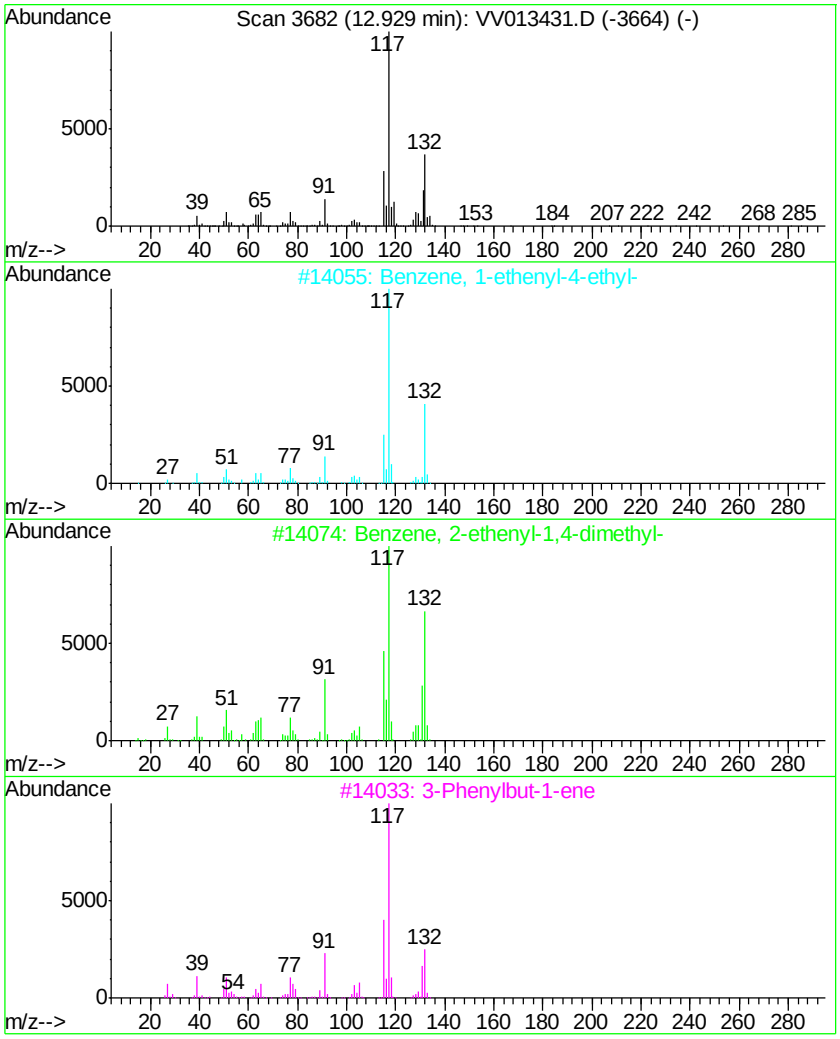
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

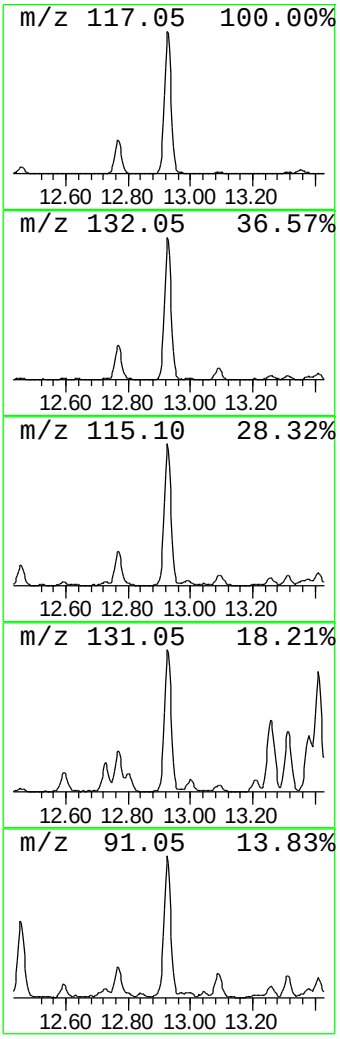
****

Peak Number 56 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	11.21 ug/L	3070250	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

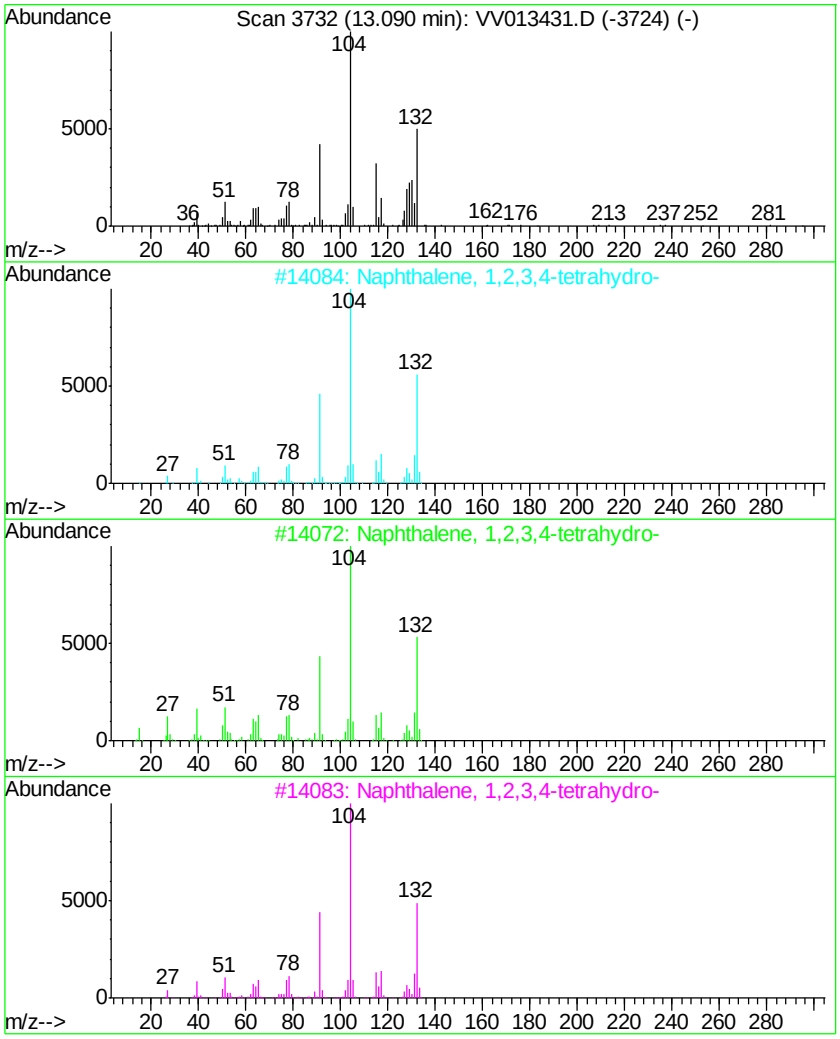
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

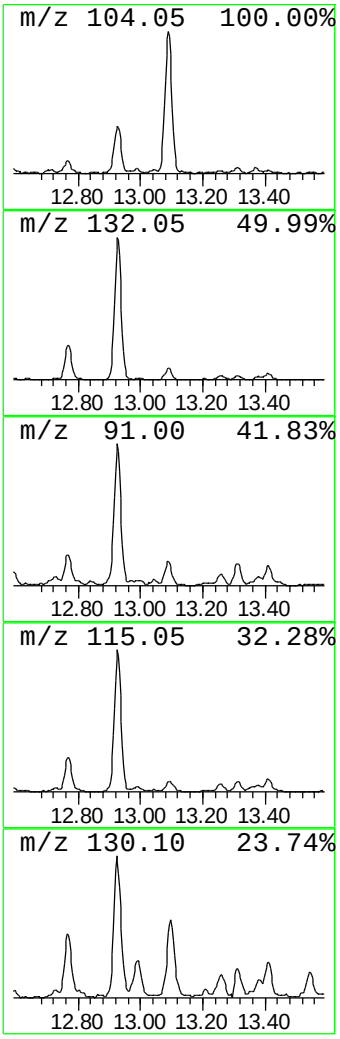
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	1.10 ug/L	300489	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	92
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	92
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	92
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
5	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

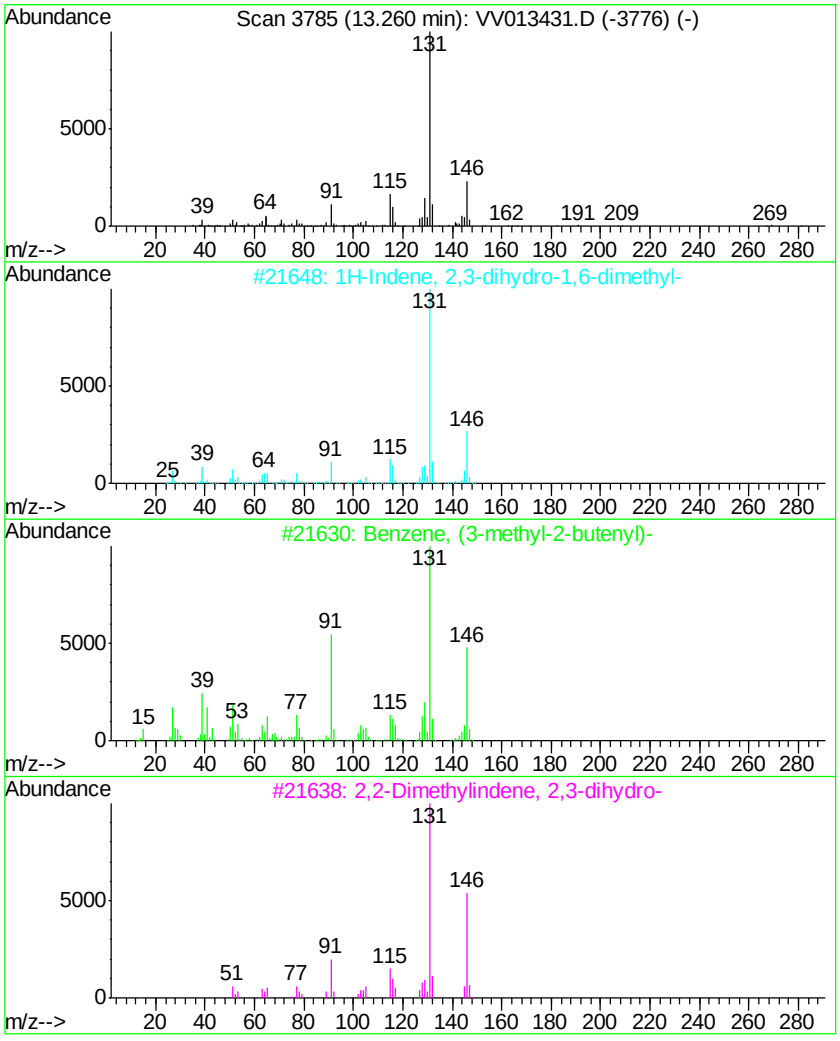
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

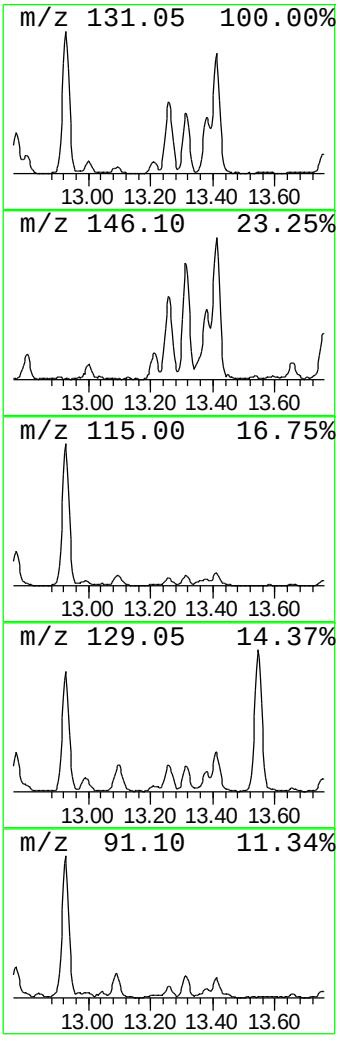
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	0.80 ug/L	219726	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	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	90
5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

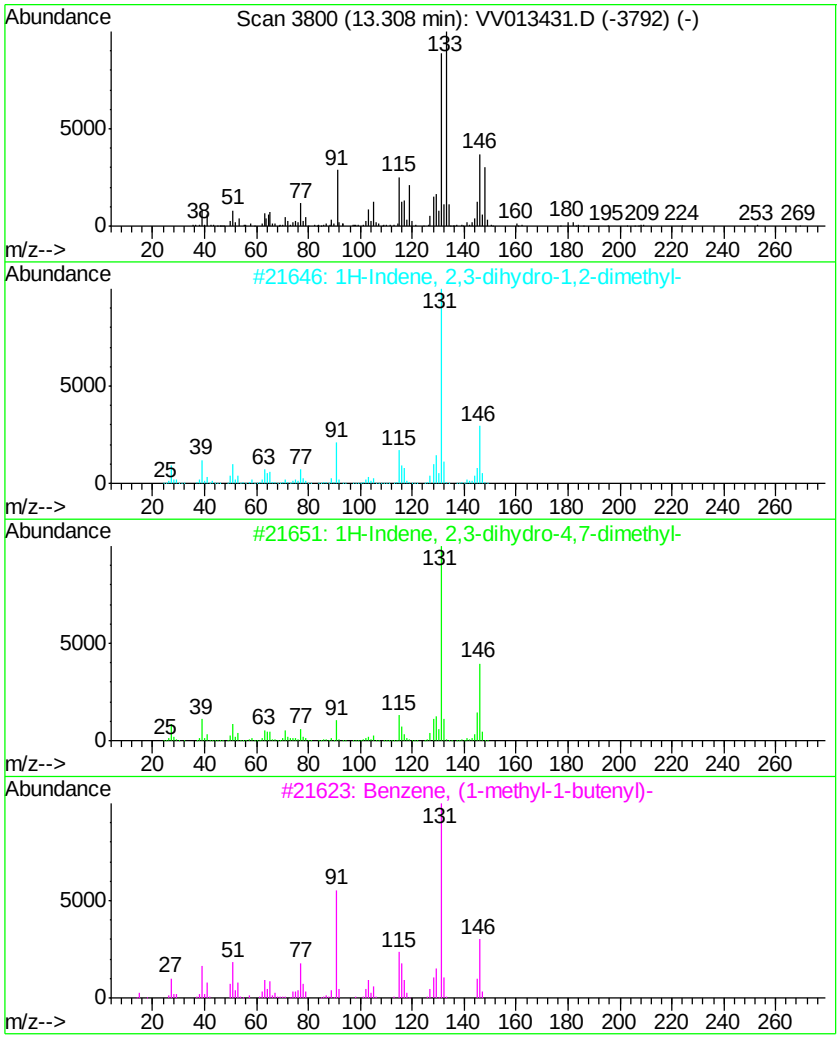
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

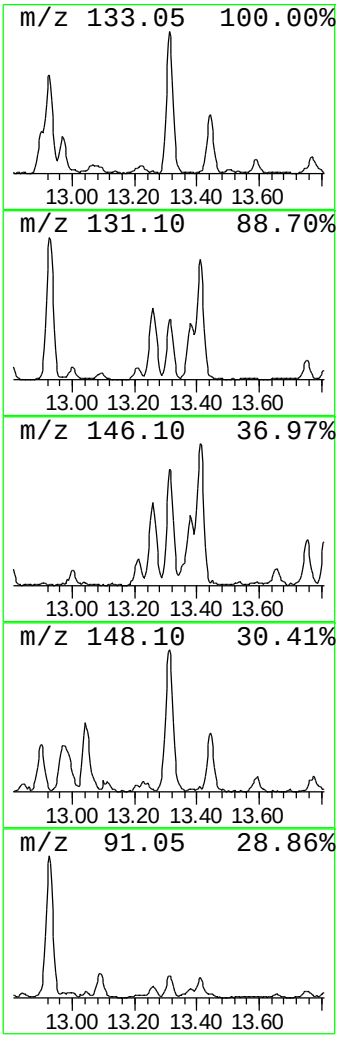
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	1.33 ug/L	364618	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

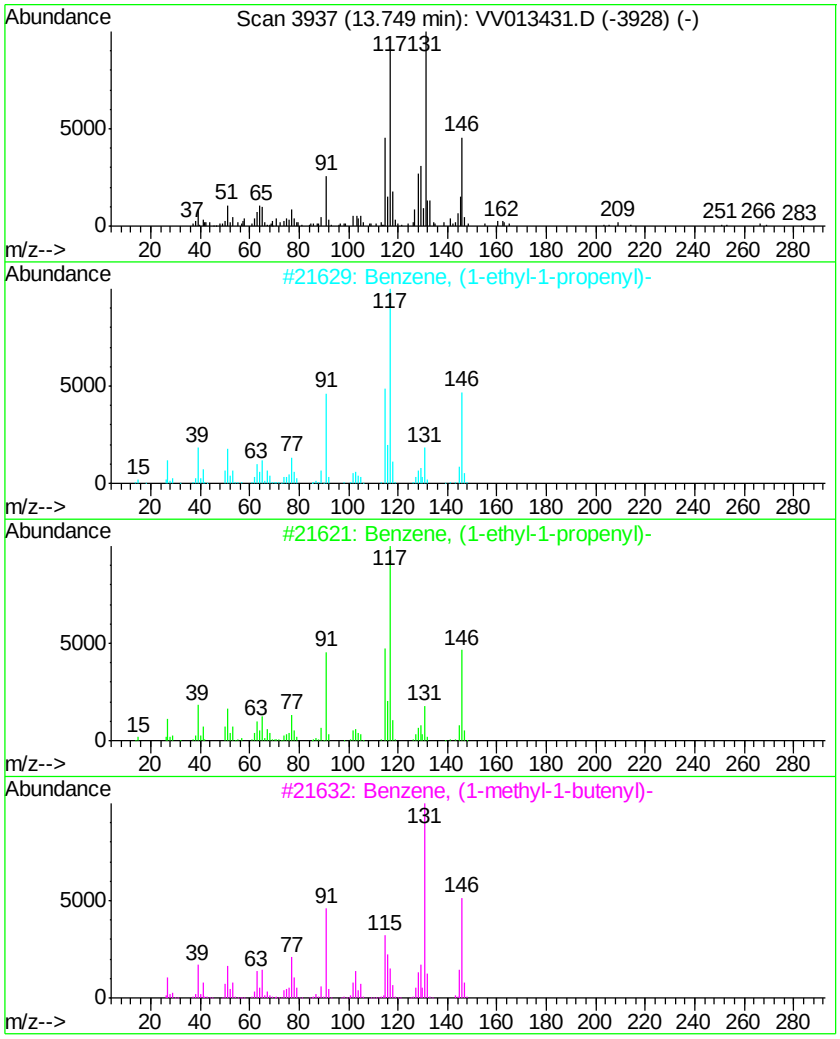
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

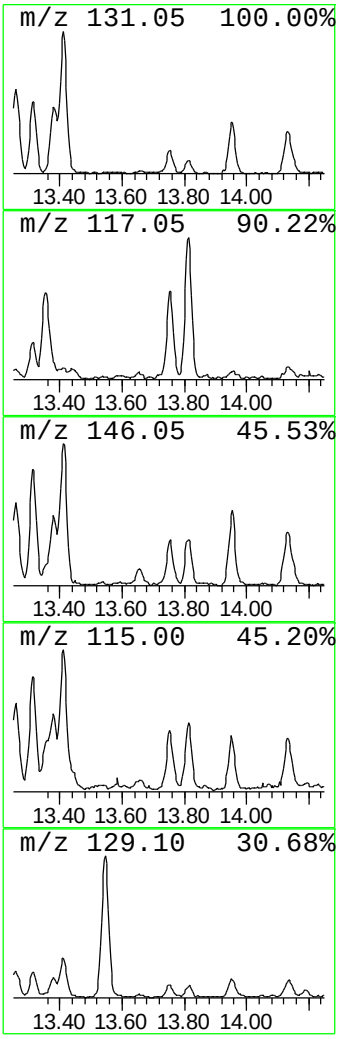
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	0.55 ug/L	149417	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	60
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	60
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	52
4	2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	52
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

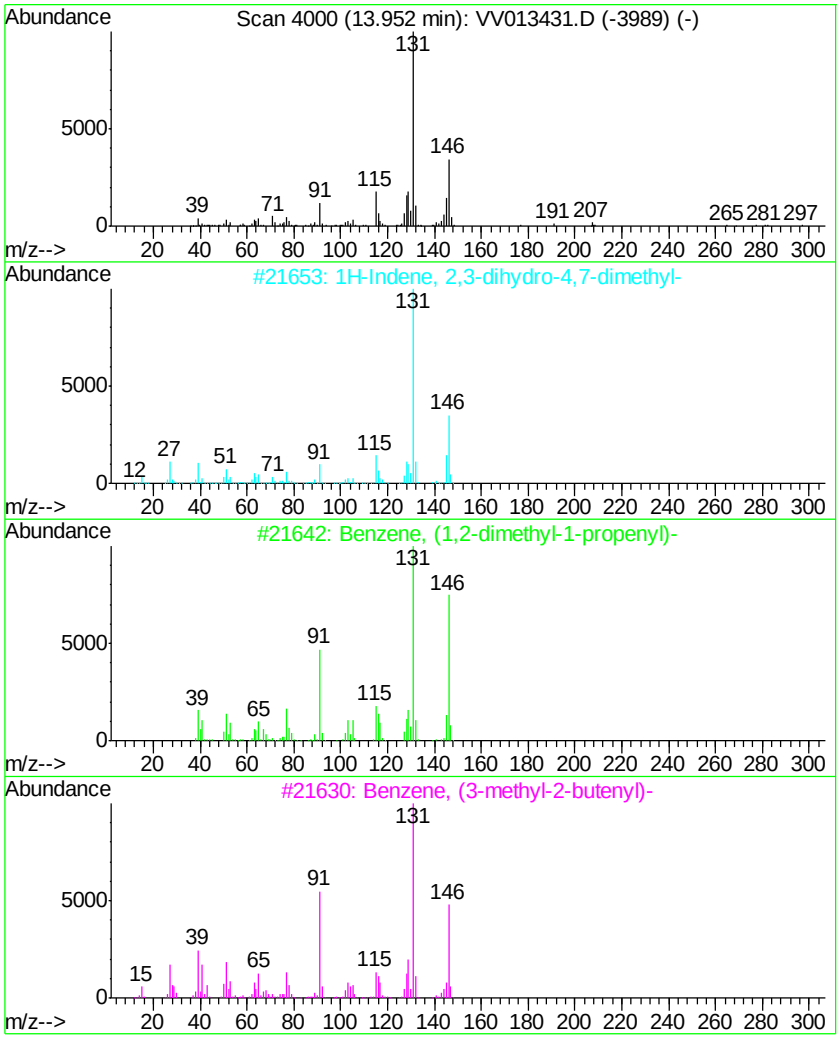
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

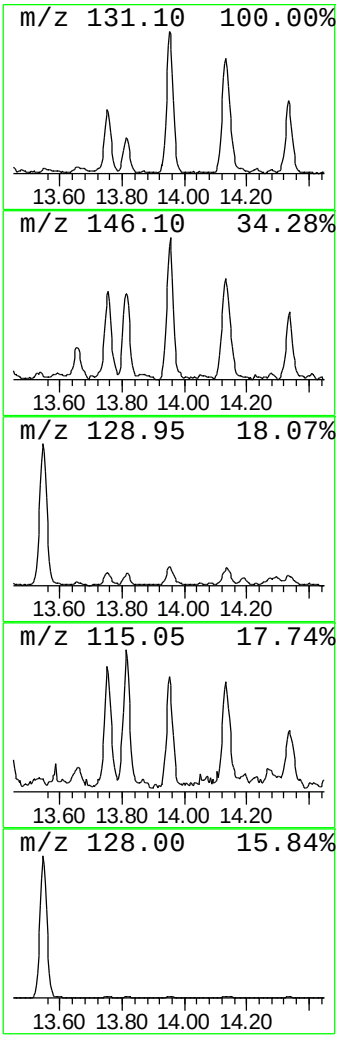
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	0.64 ug/L	174113	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

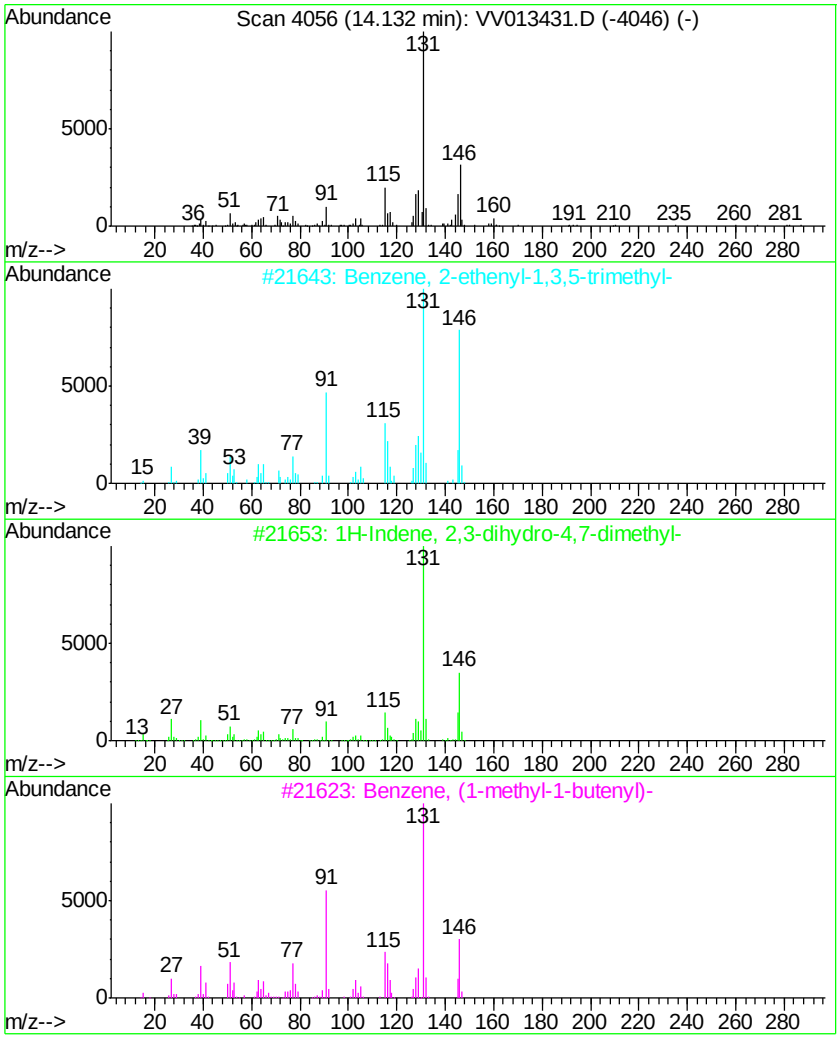
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0

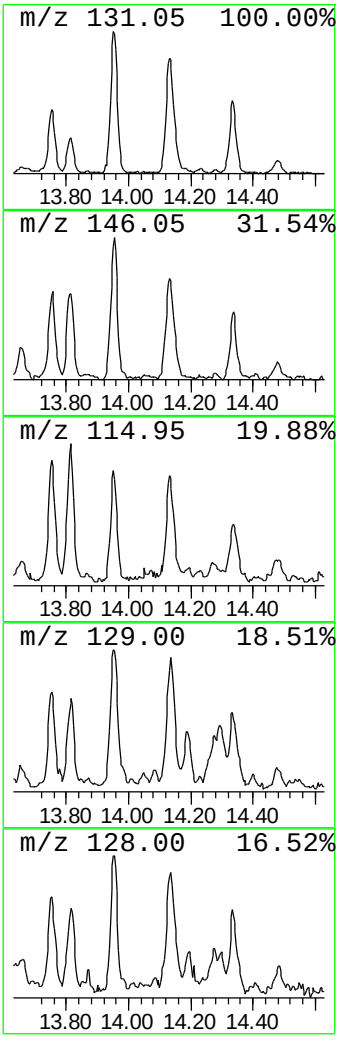
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	0.64 ug/L	174502	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	87
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81
5	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	81





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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

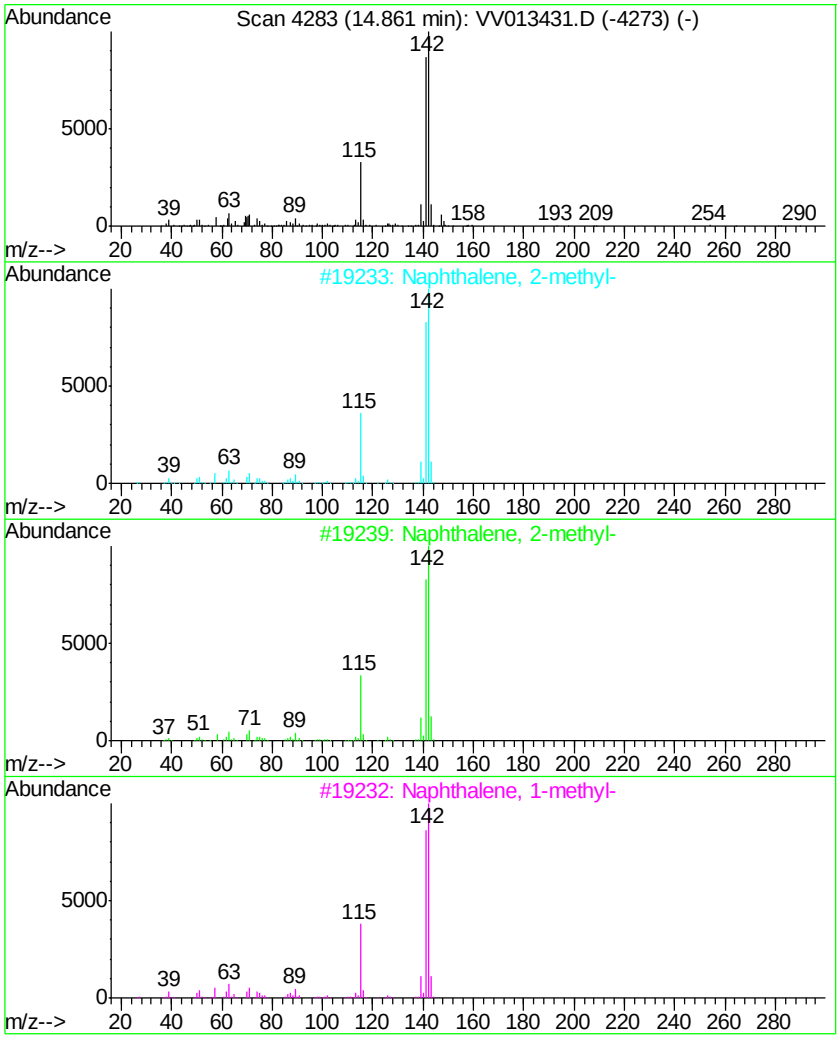
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

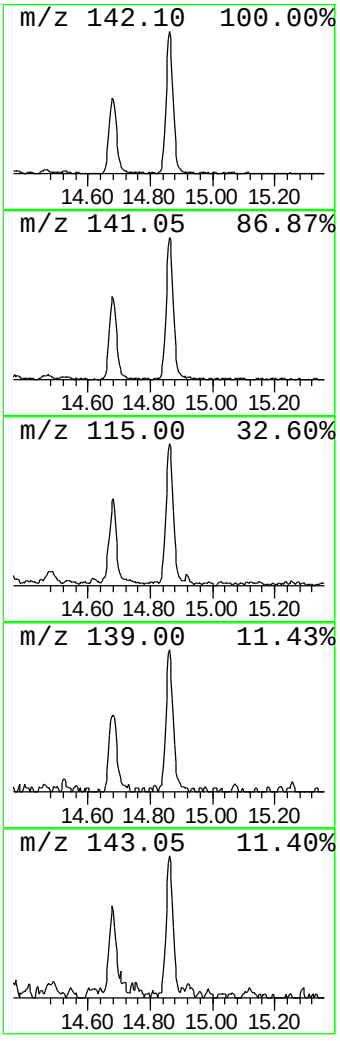
****

Peak Number 66 Naphthalene, 1-methyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	0.82 ug/L	225046	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103019\
Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

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: Cyc...	1.12	0.6	ug/L	107962	1	5.66	982887	5.0
(DEL) Alkane: Str...	1.23	0.8	ug/L	164892	1	5.66	982887	5.0
(DEL) Alkane: Str...	1.65	25.4	ug/L	4984760	1	5.66	982887	5.0
(DEL) Alkane: Str...	1.82	4.0	ug/L	782959	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	2.04	7.3	ug/L	1430700	1	5.66	982887	5.0
(DEL) Alkane: Str...	2.52	8.4	ug/L	1647240	1	5.66	982887	5.0
(DEL) Alkane: Str...	2.55	9.3	ug/L	1821970	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	2.60	11.8	ug/L	2320970	1	5.66	982887	5.0
(DEL) Alkane: Str...	2.79	12.2	ug/L	2394640	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	2.97	0.7	ug/L	136736	1	5.66	982887	5.0
(DEL) Alkane: Str...	3.07	1.4	ug/L	281804	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	3.31	4.3	ug/L	849426	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	3.40	3.3	ug/L	638893	1	5.66	982887	5.0
Cyclopentene, 3-m...	3.47	0.6	ug/L	107576	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	3.62	4.3	ug/L	852745	1	5.66	982887	5.0
(DEL) Alkane: Str...	3.71	2.1	ug/L	423127	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	3.80	27.4	ug/L	5387440	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	3.89	2.6	ug/L	521021	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	4.31	0.8	ug/L	160948	1	5.66	982887	5.0
Cyclopentene, 4-m...	4.50	4.4	ug/L	871784	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	4.64	0.8	ug/L	148799	1	5.66	982887	5.0
(DEL) Alkane: Str...	4.81	8.9	ug/L	1759180	1	5.66	982887	5.0
(DEL) Alkane: Str...	4.96	2.7	ug/L	527465	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	5.22	6.8	ug/L	1345360	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	5.29	9.2	ug/L	1809980	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	5.36	8.6	ug/L	1682140	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	5.53	0.8	ug/L	164698	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	5.81	0.6	ug/L	118579	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	5.88	0.7	ug/L	135832	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	5.97	6.2	ug/L	1224650	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	6.41	2.2	ug/L	429907	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	6.50	1.3	ug/L	245827	1	5.66	982887	5.0
Cyclohexene, 4-me...	6.61	2.9	ug/L	568851	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	6.68	2.7	ug/L	525430	1	5.66	982887	5.0
Cyclobutane, (1-m...	6.84	4.1	ug/L	798943	1	5.66	982887	5.0
2-Butynamide, N-m...	6.89	0.9	ug/L	180950	1	5.66	982887	5.0
Cyclohexene, 1-me...	7.21	3.6	ug/L	703651	1	5.66	982887	5.0
(DEL) Alkane: Cyc...	7.83	1.3	ug/L	303260	2	8.89	1153430	5.0
Cyclopentene, 1,2...	7.88	1.6	ug/L	373690	2	8.89	1153430	5.0
(DEL) Alkane: Cyc...	8.27	0.8	ug/L	186772	2	8.89	1153430	5.0
(DEL) Alkane: Cyc...	8.33	0.7	ug/L	159701	2	8.89	1153430	5.0
Cyclohexene, 1,6-...	8.55	0.5	ug/L	117087	2	8.89	1153430	5.0
Benzene, propyl-	10.39	6.1	ug/L	1661420	3	11.29	1369510	5.0
Benzene, 1-ethyl-...	10.78	2.2	ug/L	609926	3	11.29	1369510	5.0
Benzene, 1,2,3-tr...	11.38	7.7	ug/L	2110980	3	11.29	1369510	5.0
Indane	11.57	27.3	ug/L	7482410	3	11.29	1369510	5.0
Benzene, 1,2-diet...	11.79	0.6	ug/L	165926	3	11.29	1369510	5.0
Benzene, 1-methyl...	11.86	0.8	ug/L	227673	3	11.29	1369510	5.0
o-Cymene	12.06	5.6	ug/L	1524230	3	11.29	1369510	5.0

Benzene, 1-etheny...	12.16	6.9	ug/L	1899860	3	11.29	1369510	5.0
Benzene, 2-ethyl-...	12.36	0.8	ug/L	212439	3	11.29	1369510	5.0
Benzene, 1,2,3,4-...	12.46	4.4	ug/L	1214710	3	11.29	1369510	5.0
Benzene, (1,2-dim...	12.59	0.5	ug/L	145964	3	11.29	1369510	5.0
Indan, 1-methyl-	12.77	2.1	ug/L	582524	3	11.29	1369510	5.0
Benzene, 1-etheny...	12.93	11.2	ug/L	3070250	3	11.29	1369510	5.0
Naphthalene, 1,2,...	13.09	1.1	ug/L	300489	3	11.29	1369510	5.0
1H-Indene, 2,3-di...	13.26	0.8	ug/L	219726	3	11.29	1369510	5.0
1H-Indene, 2,3-di...	13.31	1.3	ug/L	364618	3	11.29	1369510	5.0
Benzene, (1-ethyl...	13.75	0.6	ug/L	149417	3	11.29	1369510	5.0
1H-Indene, 2,3-di...	13.95	0.6	ug/L	174113	3	11.29	1369510	5.0
Benzene, 2-etheny...	14.13	0.6	ug/L	174502	3	11.29	1369510	5.0
Naphthalene, 1-me...	14.86	0.8	ug/L	225046	3	11.29	1369510	5.0

Instrument :
MSVOA_V
ClientSampleId :