LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.280	47	59	62	rBV	44384	95337	7.38%	0.912%
2	2.139	318	326	338	rVB	150887	211747	16.38%	2.025%
3	3.338	696	699	702	rBV2	320	201	0.02%	0.002%
4	3.521	753	756	758	rBV	243	147	0.01%	0.001%
5	3.534	758	760	763	rVB	180	101	0.01%	0.001%
6	3.631	788	790	794	rVB2	336	241	0.02%	0.002%
7	3.659	795	799	801	rBV2	194	120	0.01%	0.001%
8	3.788	835	839	841	rBV	230	142	0.01%	0.001%
9	3.804	841	844	847	rVV2	169	121	0.01%	0.001%
10	3.833	852	853	856	rVB	176	91	0.01%	0.001%
11	3.952	874	890	910	rBV	42809	116665	9.03%	1.116%
12	4.139	945	948	951	rBV2	242	195	0.02%	0.002%
13	4.322	1002	1005	1009	rVB2	148	93	0.01%	0.001%
14	4.412	1015	1033	1053	rBV2	91164	218568	16.91%	2.090%
15	4.602	1089	1092	1094	rVB2	160	104	0.01%	0.001%
16	4.778	1142	1147	1152	rVB	154	128	0.01%	0.001%
17	5.103	1229	1248	1272	rBV2	224601	546083	42.25%	5.222%
18	5.380	1332	1334	1337	rVB	166	91	0.01%	0.001%
19	5.544	1380	1385	1391	rBV	110	121	0.01%	0.001%
20	5.585	1395	1398	1399	rBV	194	92	0.01%	0.001%
21	5.672	1409	1425	1461	rBV	209760	419925	32.49%	4.016%
22	5.920	1499	1502	1505	rBV	159	118	0.01%	0.001%
23	5.968	1505	1517	1526	rVB7	3126	6593	0.51%	0.063%
24	6.058	1540	1545	1551	rBV	124	110	0.01%	0.001%
25	6.126	1551	1566	1594	rBV2	120467	246208	19.05%	2.354%
26	6.235	1599	1600	1604	rVB2	428	208	0.02%	0.002%
27	6.254	1604	1606	1609	rBV2	355	157	0.01%	0.002%
28	6.396	1641	1650	1659	rBV	981	1701	0.13%	0.016%
29	6.556	1696	1700	1705	rVV	94	103	0.01%	0.001%
30	6.640	1718	1726	1730	rVV3	548	603	0.05%	0.006%
31	6.852	1785	1792	1796	rVV2	262	405	0.03%	0.004%
32	6.936	1814	1818	1826	rVB	86	106	0.01%	0.001%
33	7.035	1833	1849	1867	rBV2	65360	115348	8.92%	1.103%
34	7.126	1871	1877	1885	rVV5	1655	2914	0.23%	0.028%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Title : VOC Analysis

35	7.167	1886	1890	1893	rVV	357	336	0.03%	0.003%
36	7.187	1895	1896	1903	rVB3	422	436	0.03%	0.004%
37	7.363	1937	1951	1984	rBV	273763	490446	37.94%	4.690%
38	7.492	1989	1991	1996	rVB2	503	263	0.02%	0.003%
39	7.550	2006	2009	2016	rVB5	684	751	0.06%	0.007%
40	7.669	2032	2046	2067	rBV	45250	86519	6.69%	0.827%
41	7.798	2083	2086	2087	rBV	210	139	0.01%	0.001%
42	7.833	2087	2097	2107	rVB3	4207	6777	0.52%	0.065%
43	7.881	2107	2112	2113	rBV	277	194	0.02%	0.002%
44	7.965	2135	2138	2140	rVV2	303	219	0.02%	0.002%
45	7.984	2141	2144	2150	rVV4	525	720	0.06%	0.007%
46	8.023	2150	2156	2162	rVV4	3027	3835	0.30%	0.037%
47	8.055	2162	2166	2171	rVB3	444	414	0.03%	0.004%
48	8.138	2176	2192	2220	rBV	142667	280732	21.72%	2.685%
49	8.277	2227	2235	2259	rVB4	25158	54394	4.21%	0.520%
50	8.399	2262	2273	2282	rBV3	31558	58836	4.55%	0.563%
51	8.553	2311	2321	2330	rBV7	5126	9249	0.72%	0.088%
52	8.640	2330	2348	2359	rBV2	57709	120697	9.34%	1.154%
53	8.775	2380	2390	2398	rBV4	6224	11148	0.86%	0.107%
54	8.833	2399	2408	2417	rBV4	12191	22167	1.72%	0.212%
55	8.900	2417	2429	2443	rBV	317776	528269	40.87%	5.052%
56	9.045	2463	2474	2486	rBV5	61487	136125	10.53%	1.302%
57	9.109	2486	2494	2500	rBV	41997	65481	5.07%	0.626%
58	9.154	2501	2508	2515	rBV5	48339	75854	5.87%	0.725%
59	9.241	2531	2535	2554	rVB2	48934	86133	6.66%	0.824%
60	9.325	2556	2561	2565	rVV4	5685	7971	0.62%	0.076%
61	9.367	2566	2574	2585	rVB4	31765	56316	4.36%	0.539%
62	9.460	2596	2603	2604	rBV3	2539	2681	0.21%	0.026%
63	9.521	2606	2622	2641	rVV2	184967	481444	37.25%	4.604%
64	9.723	2677	2685	2688	rBV3	47358	67019	5.19%	0.641%
65	9.852	2716	2725	2734	rBV5	97311	202481	15.67%	1.936%
66	9.978	2751	2764	2771	rBV2	35859	83784	6.48%	0.801%
67	10.177	2819	2826	2838	rVB4	63984	104568	8.09%	1.000%
68	10.267	2844	2854	2874	rVB3	226917	563417	43.59%	5.388%
69	10.402	2888	2896	2903	rBV	70773	115299	8.92%	1.103%
70	10.781	3005	3014	3032	rVB5	100143	234158	18.12%	2.239%
71	10.926	3051	3059	3062	rBV4	79722	116125	8.98%	1.111%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Title : VOC Analysis

72	10.965	3063	3071	3093	rVB	753562	1292529	100.00%	12.360%
73	11.203	3139	3145	3151	rBV2	47976	60159	4.65%	0.575%
74	11.244	3152	3158	3165	rVB	86532	117023	9.05%	1.119%
75	11.299	3166	3175	3186	rBV	388513	617426	47.77%	5.904%
76	11.386	3196	3202	3212	rBV	58509	85974	6.65%	0.822%
77	11.582	3253	3263	3272	rBV4	229460	469541	36.33%	4.490%
78	11.871	3346	3353	3371	rVB	54518	99609	7.71%	0.953%
79	11.961	3373	3381	3385	rBV	66270	97229	7.52%	0.930%
80	12.067	3408	3414	3419	rBV	43916	57356	4.44%	0.548%
81	12.167	3437	3445	3453	rBV2	70913	121083	9.37%	1.158%
82	12.289	3476	3483	3485	rBV4	18891	24438	1.89%	0.234%
83	12.463	3528	3537	3546	rBV	223553	344191	26.63%	3.291%
84	12.518	3546	3554	3569	rVB	321490	504140	39.00%	4.821%
85	12.598	3569	3579	3593	rBV8	22621	43310	3.35%	0.414%
86	12.936	3675	3684	3693	rBV2	80754	128020	9.90%	1.224%
87	13.100	3728	3735	3746	rVB3	22850	37256	2.88%	0.356%
88	13.190	3759	3763	3764	rBV4	5104	3792	0.29%	0.036%
89	13.280	3782	3791	3798	rBV6	20250	35742	2.77%	0.342%
90	13.411	3821	3832	3852	rVB6	26202	67767	5.24%	0.648%
91	13.675	3906	3914	3932	rVB6	12055	31784	2.46%	0.304%
92	14.061	4025	4034	4049	rVB8	16542	38619	2.99%	0.369%
93	14.341	4116	4121	4143	rVB7	18240	34687	2.68%	0.332%
94	14.437	4146	4151	4153	rBV3	2459	2430	0.19%	0.023%
95	14.537	4171	4182	4200	rBV4	27077	50855	3.93%	0.486%
96	14.691	4224	4230	4241	rVB6	10001	14841	1.15%	0.142%
97	14.762	4250	4252	4254	rBV3	441	254	0.02%	0.002%
98	14.874	4280	4287	4299	rVB2	6580	10711	0.83%	0.102%
99	15.022	4325	4333	4348	rVB8	2935	5733	0.44%	0.055%
100	15.662	4530	4532	4534	rBV3	412	202	0.02%	0.002%

Sum of corrected areas: 10456985

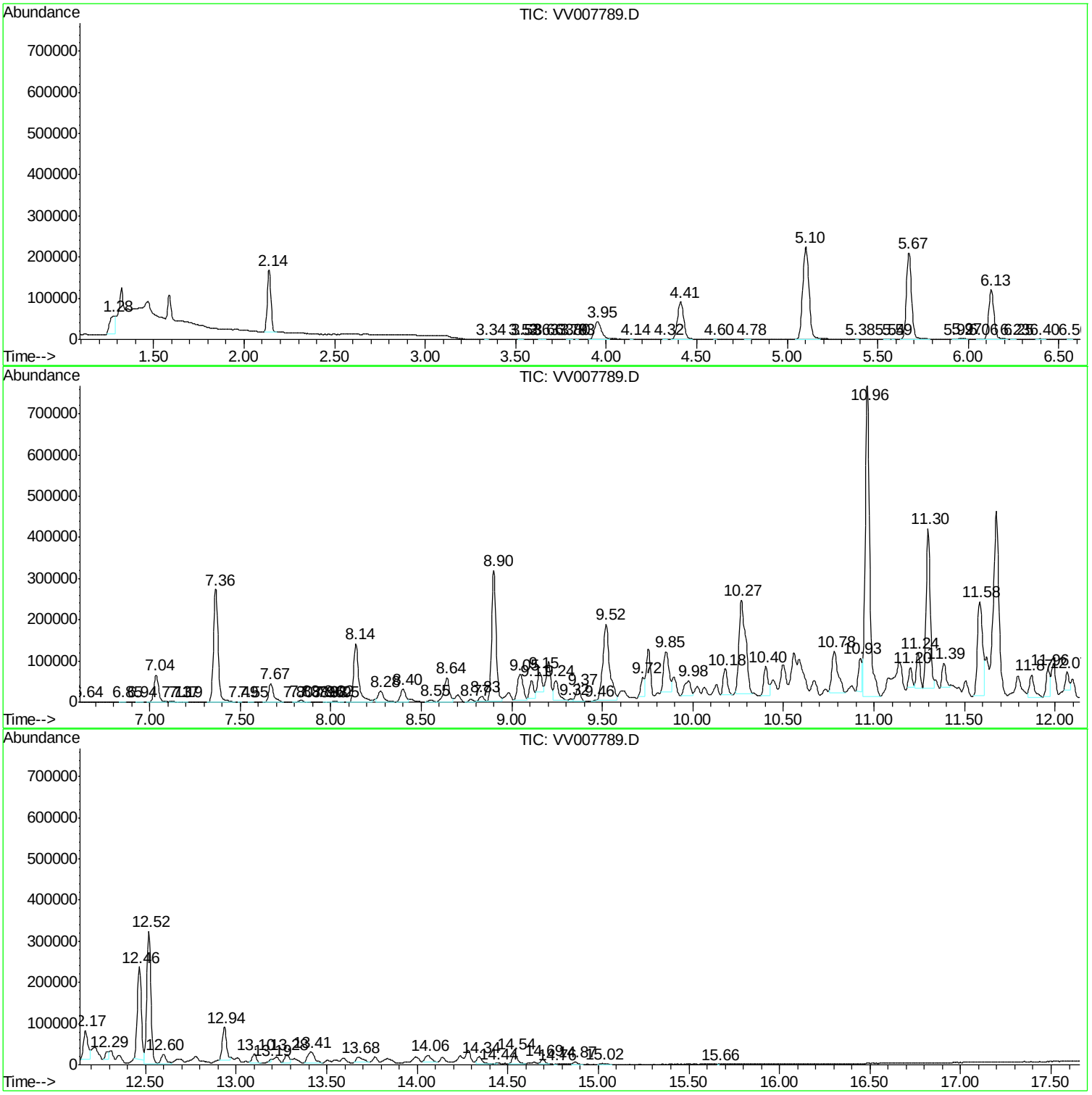
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

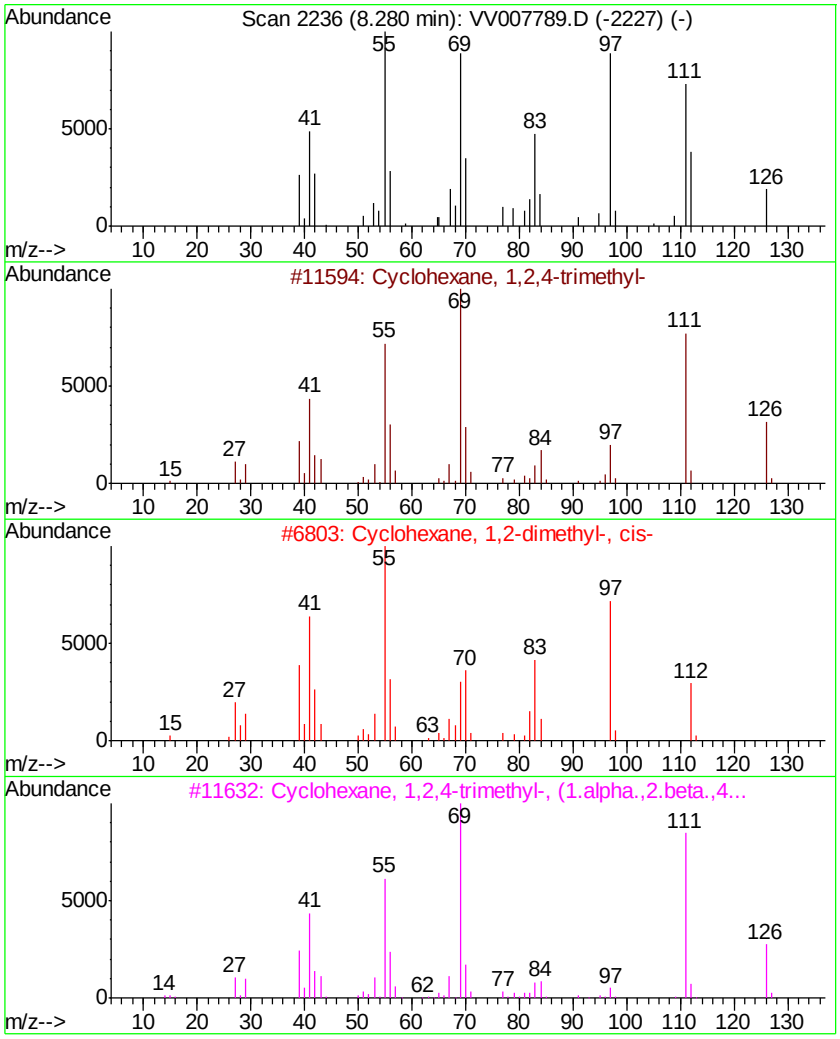
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

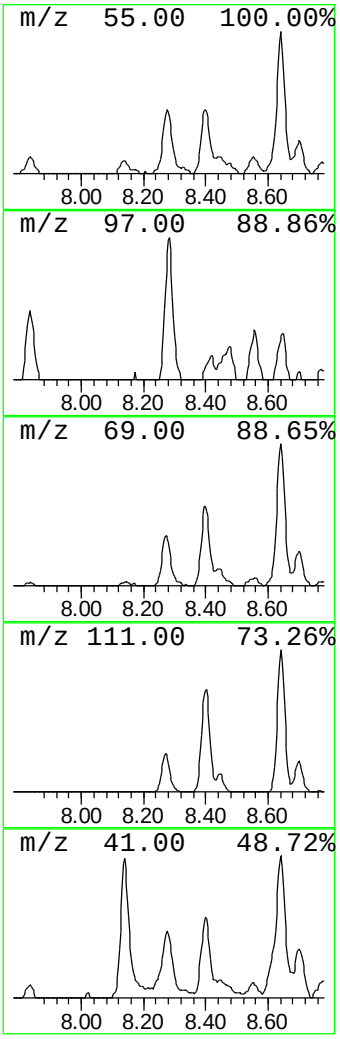
****

Peak Number 2 (DEL) Alkane: Cyclic8.28 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	5.15 ug/L	54394	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	52
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	50
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	49
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

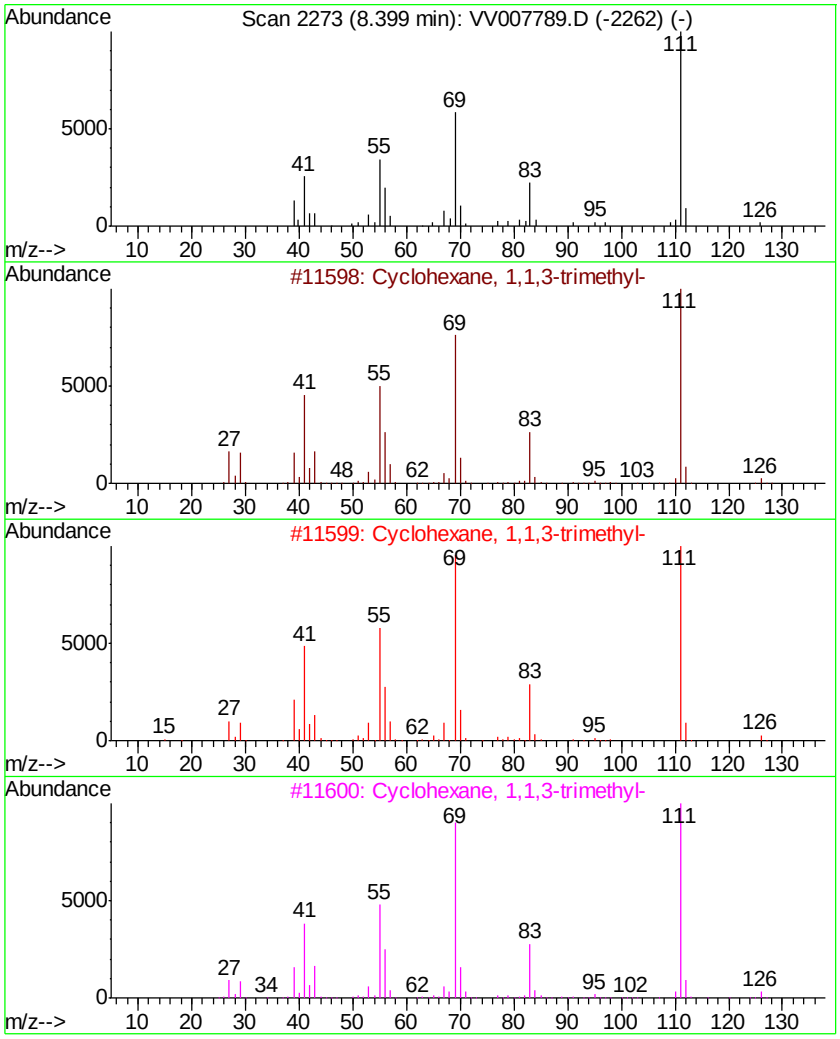
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

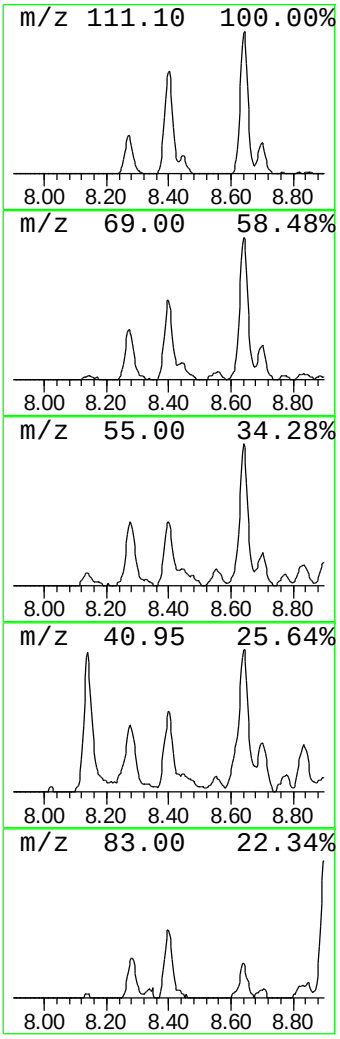
****

Peak Number 3 (DEL) Alkane: Cyclic8.40 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	5.57 ug/L	58836	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	70
4	Isocytosine	111	C4H5N3O	000108-53-2	64
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

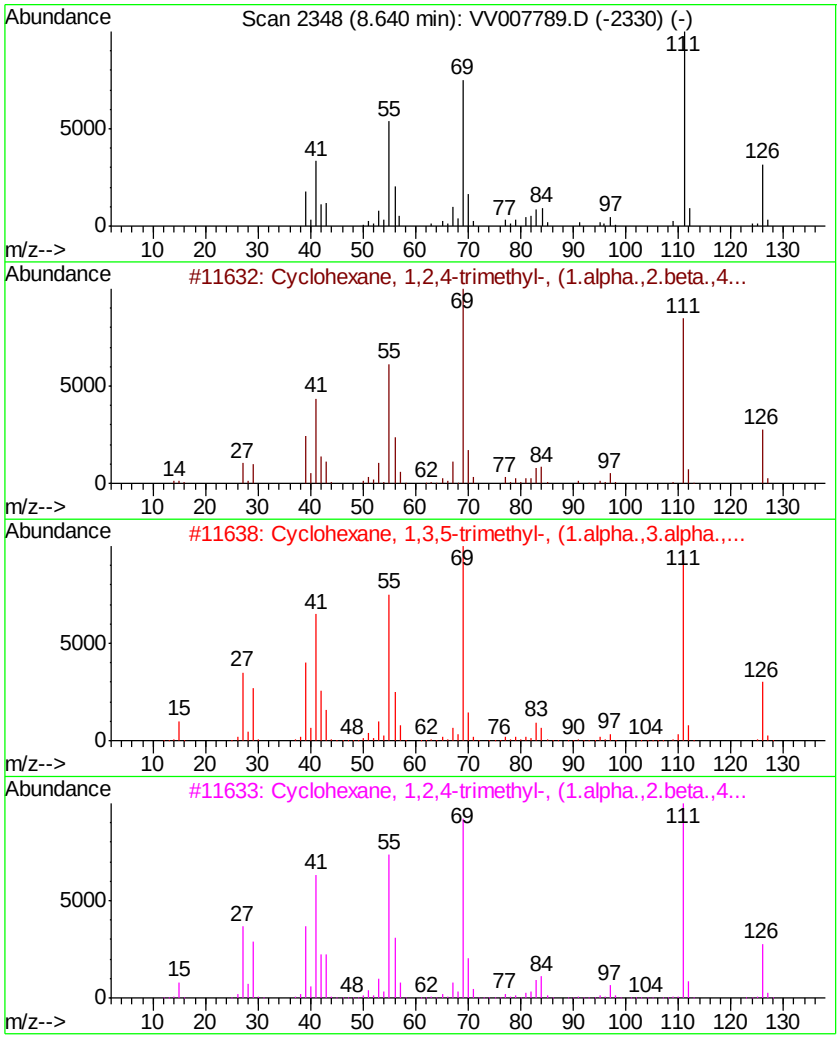
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

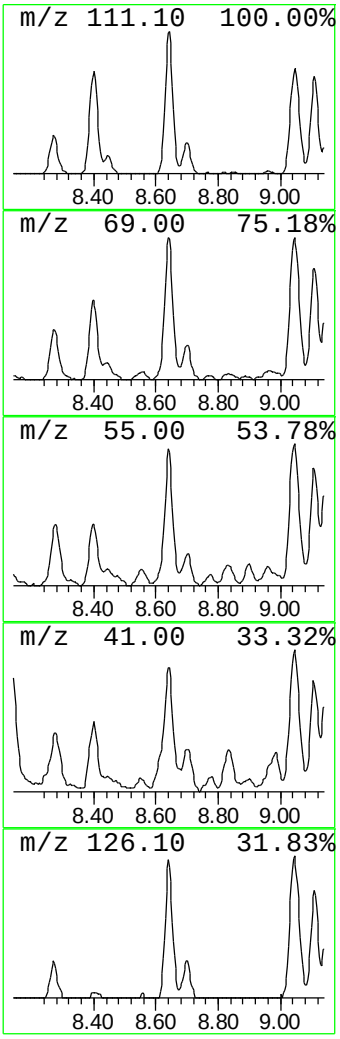
****

Peak Number 4 (DEL) Alkane: Cyclic8.64 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	11.42 ug/L	120697	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	96
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	86
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

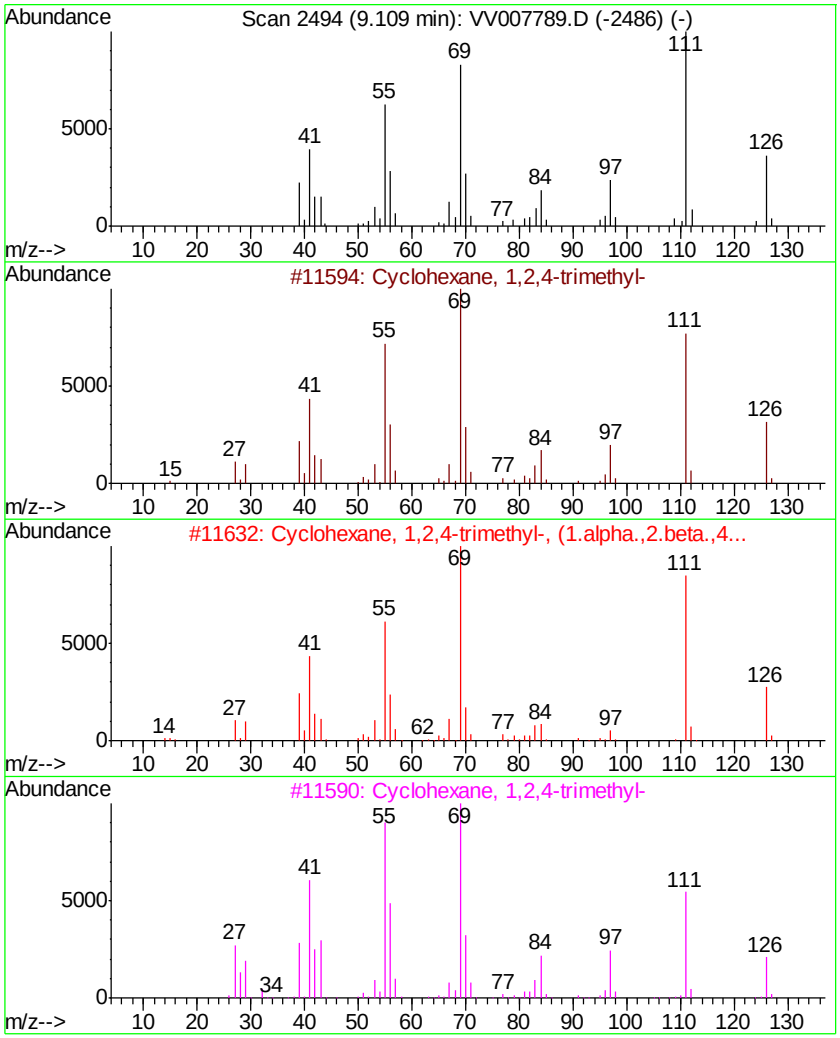
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

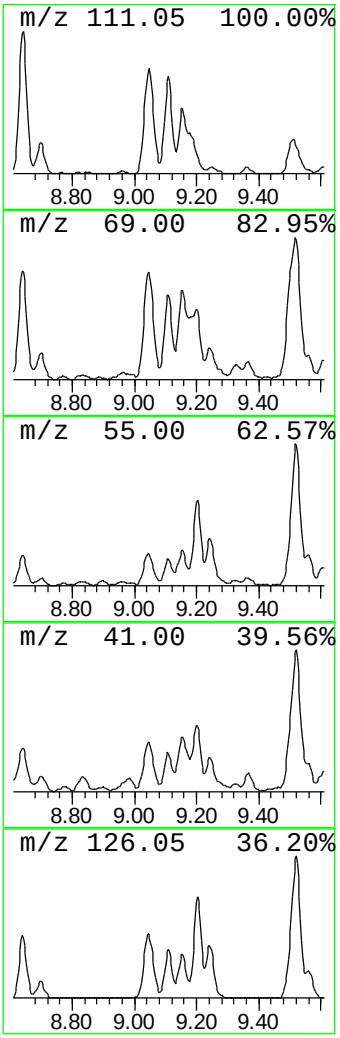
****

Peak Number 5 (DEL) Alkane: Cyclic9.11 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	6.20 ug/L	65481	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	95
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	76
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

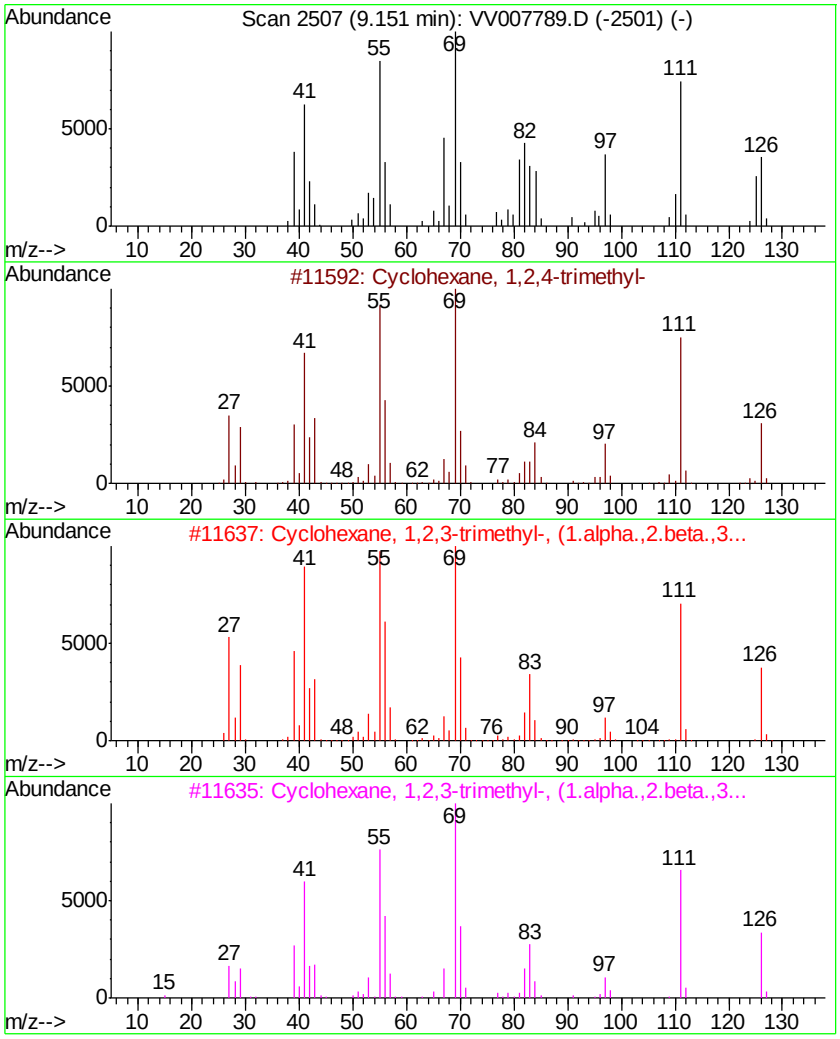
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

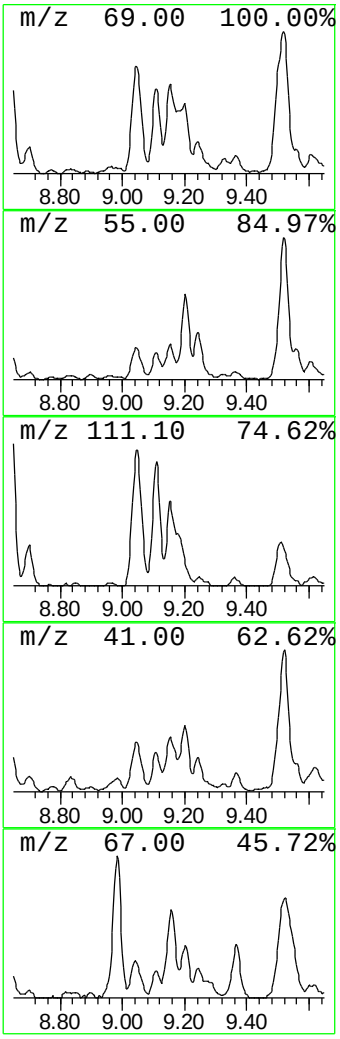
****

Peak Number 6 (DEL) Alkane: Cyclic9.15 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	7.18 ug/L	75854	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	78
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	78
3	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	64
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	60
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

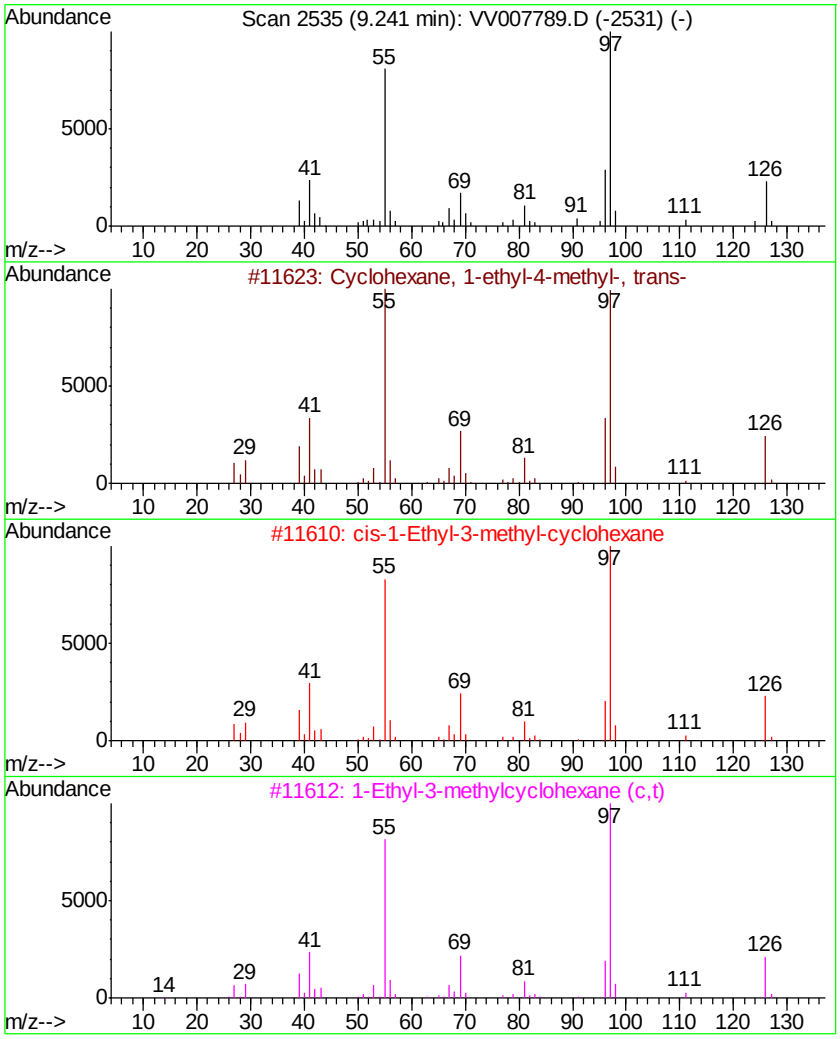
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

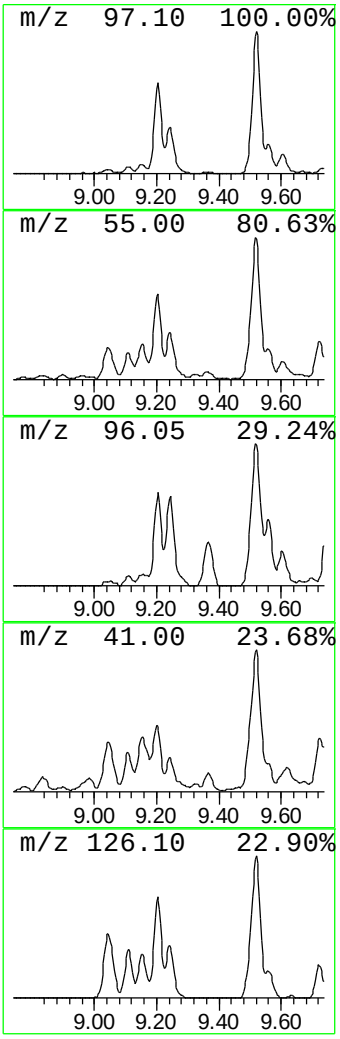
****

Peak Number 7 (DEL) Alkane: Cyclic9.24 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	8.15 ug/L	86133	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	90
3	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

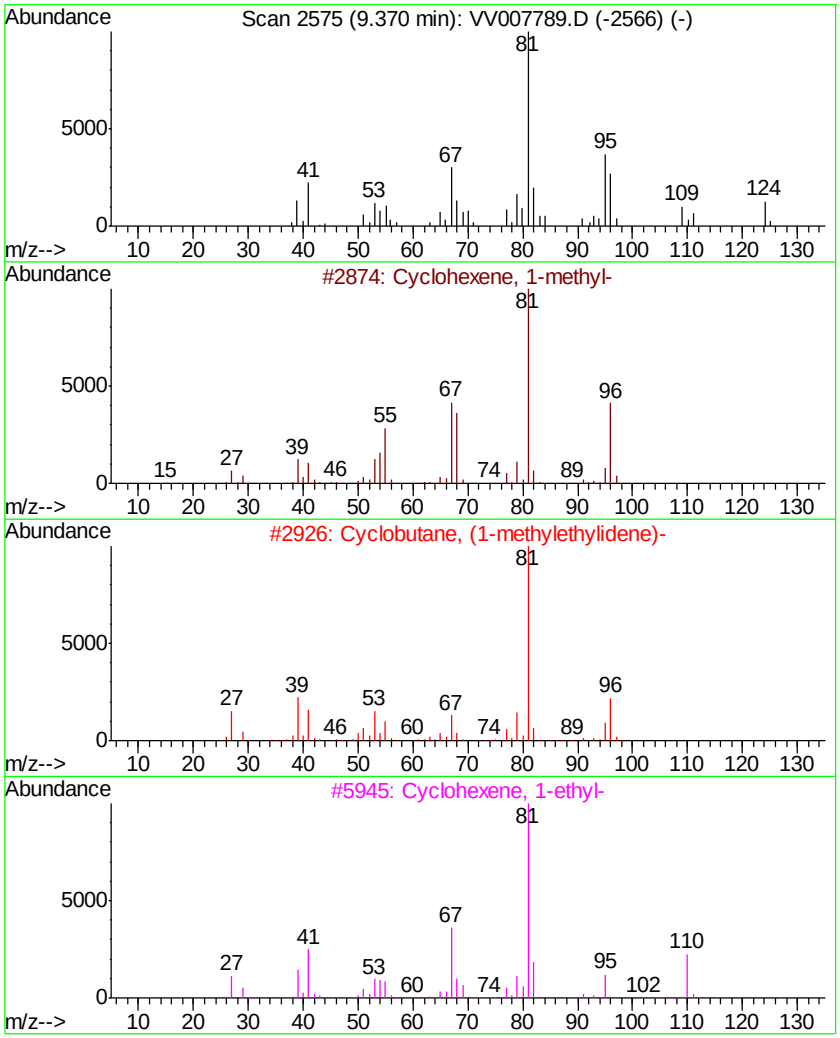
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

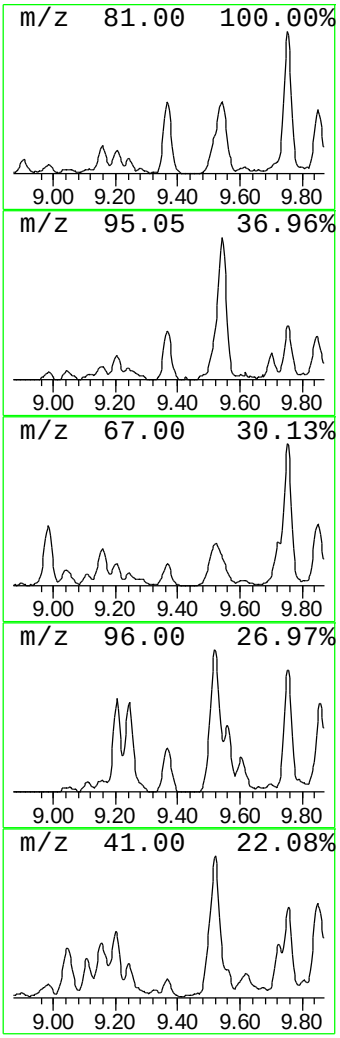
****

Peak Number 8 Cyclohexene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	5.33 ug/L	56316	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	52
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	50
4	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	47
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	47





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Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

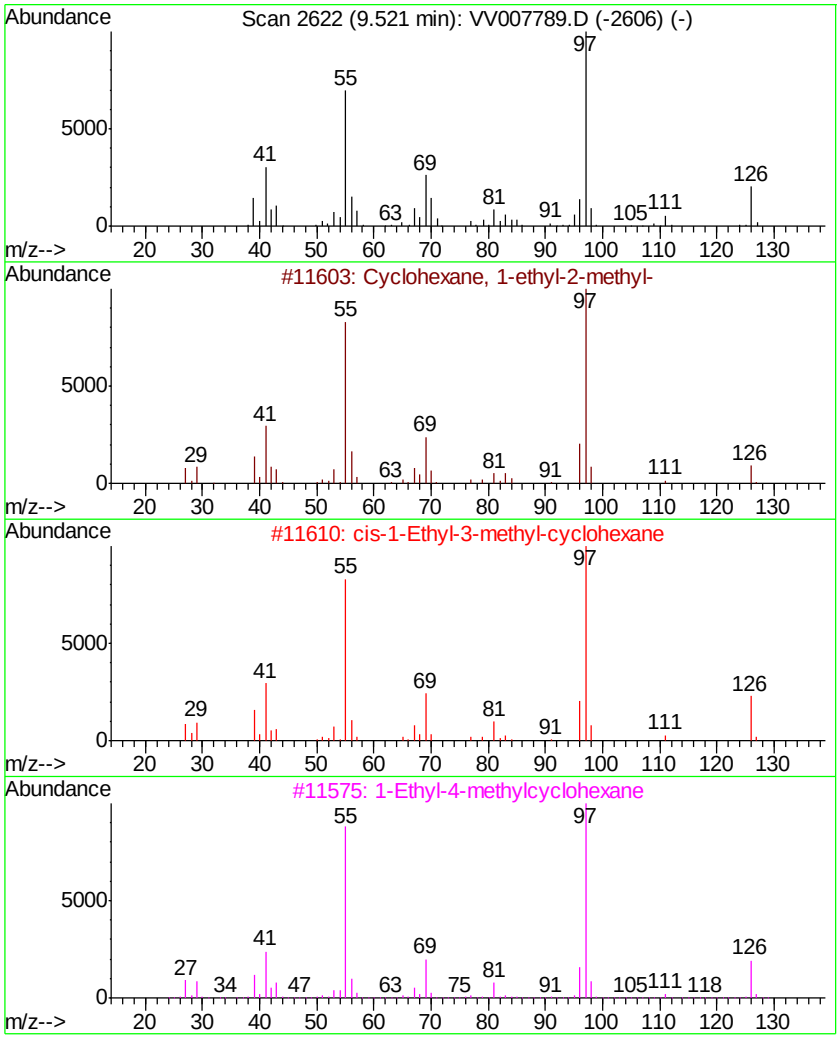
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

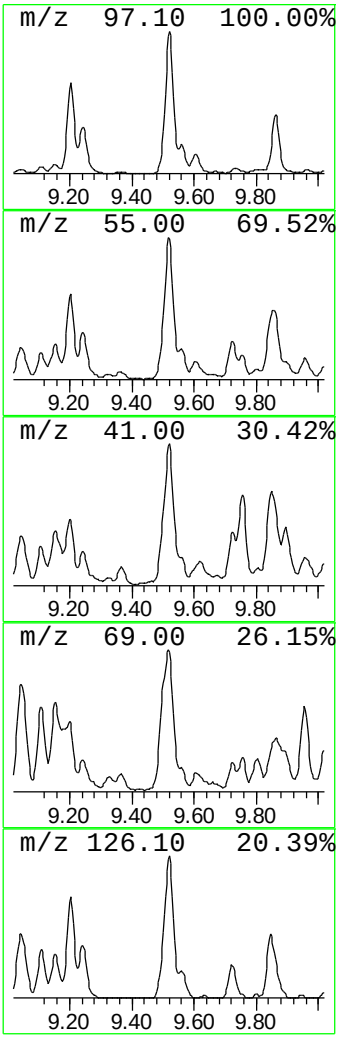
****

Peak Number 9 (DEL) Alkane: Cyclic9.52 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	45.57 ug/L	481444	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	76
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	74
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	74
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

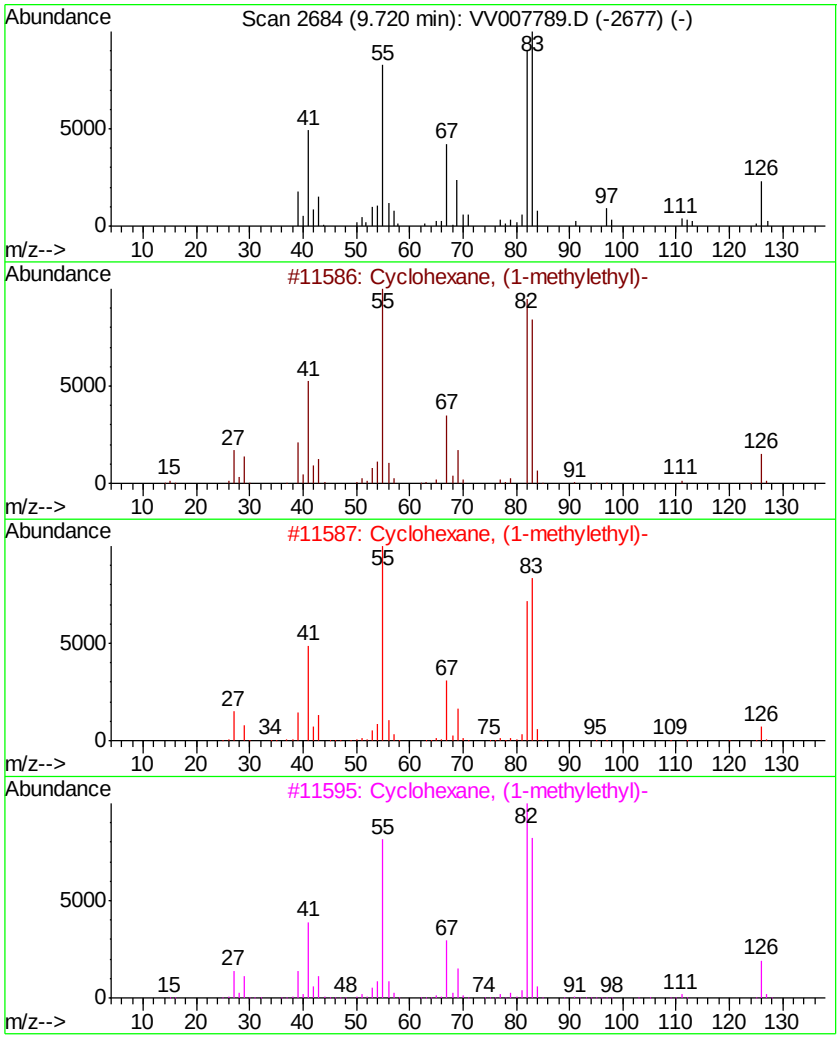
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

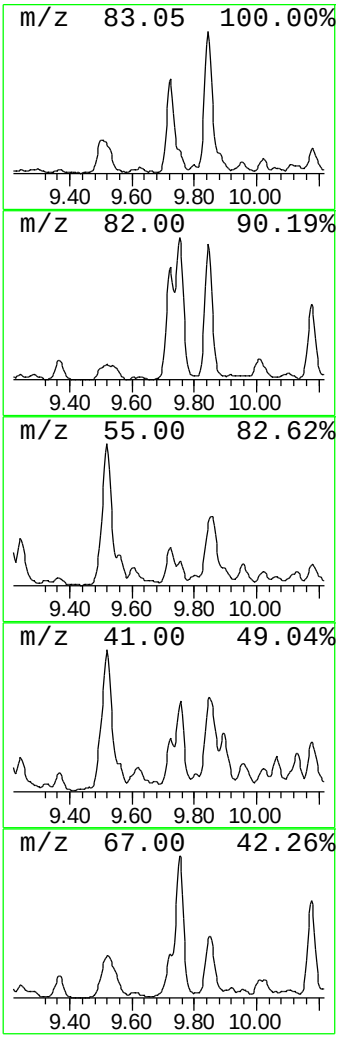
****

Peak Number 10 (DEL) Alkane: Cyclic9.72 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	6.34 ug/L	67019	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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

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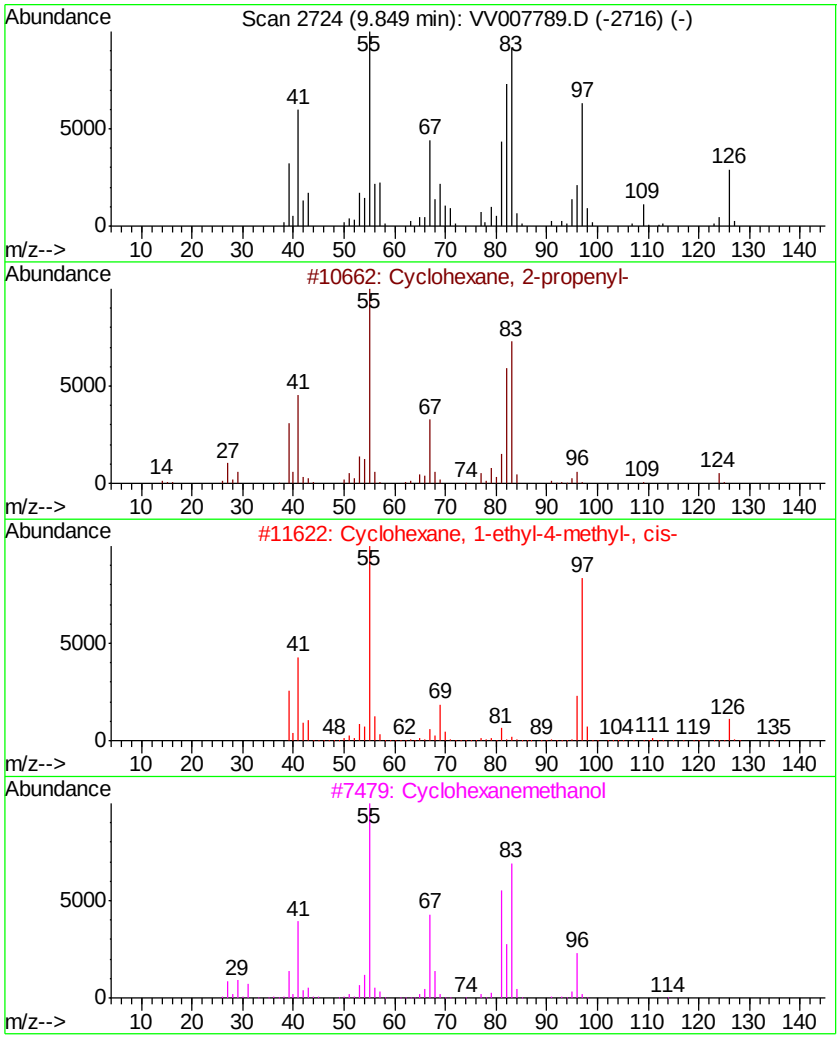
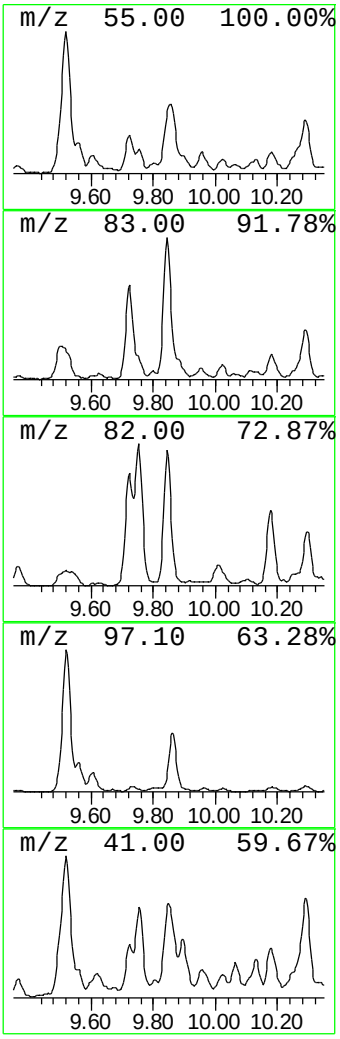
Peak Number 11 Cyclohexane, 2-propenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	19.16 ug/L	202481	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	50
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	46
3	Cyclohexanemethanol	114	C7H14O	000100-49-2	43
4	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	43
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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

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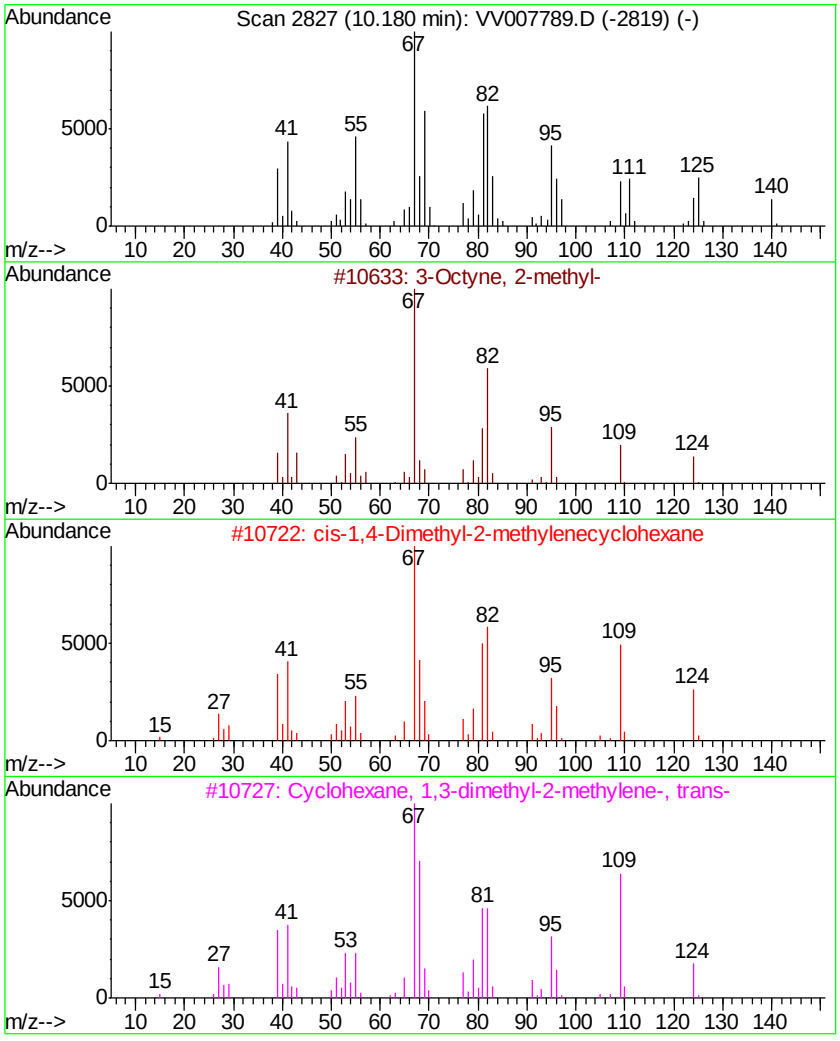
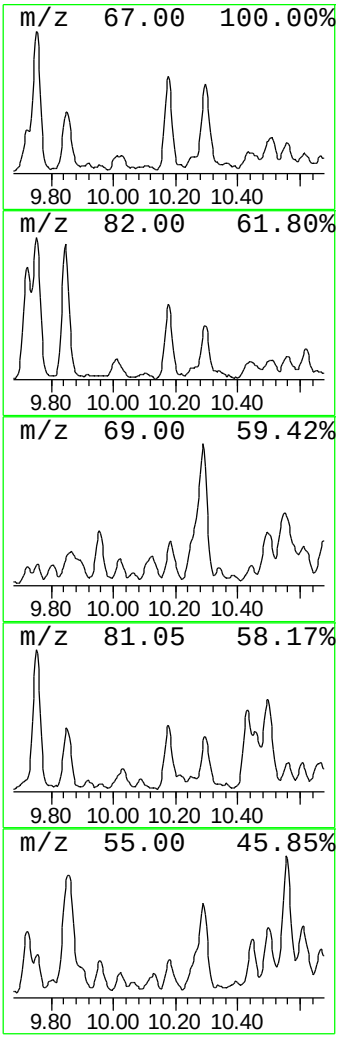
Peak Number 12 3-Octyne, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	8.47 ug/L	104568	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	62
2	cis-1,4-Dimethyl-2-methylenecycl...	124	C9H16	019781-46-5	58
3	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	58
4	3-Dodecyne	166	C12H22	006790-27-8	49
5	7-Methyl-1,6-octadiene	124	C9H16	042152-47-6	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

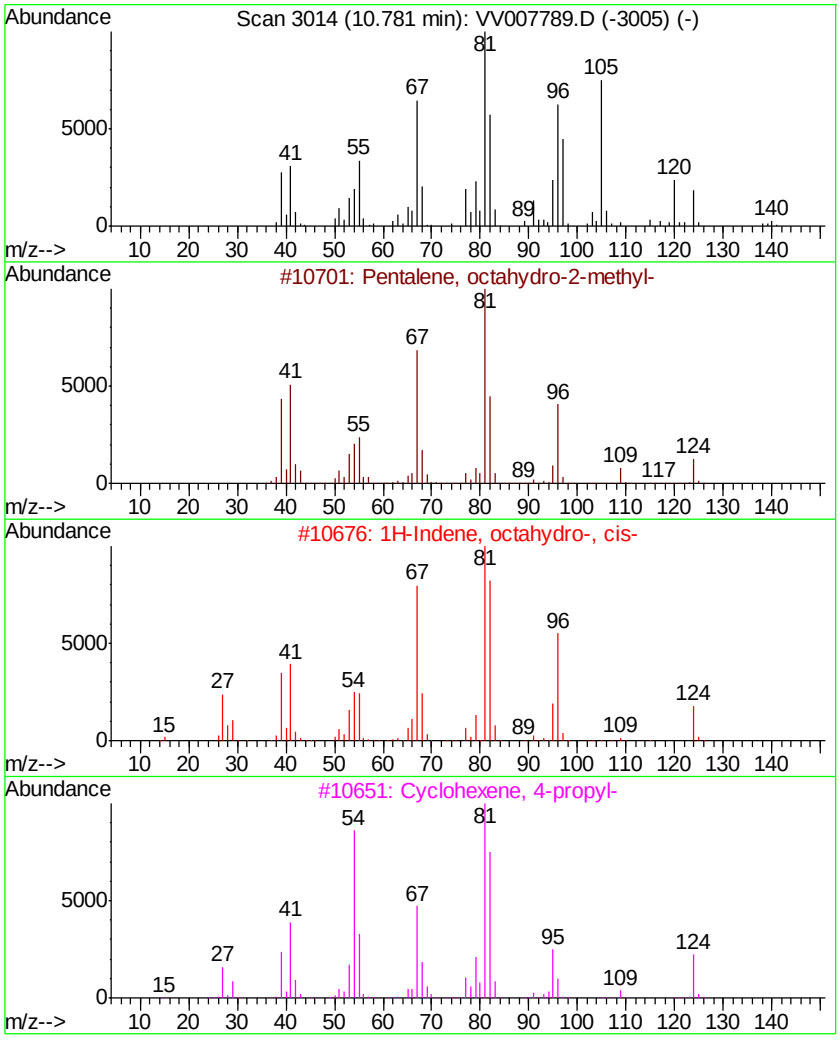
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

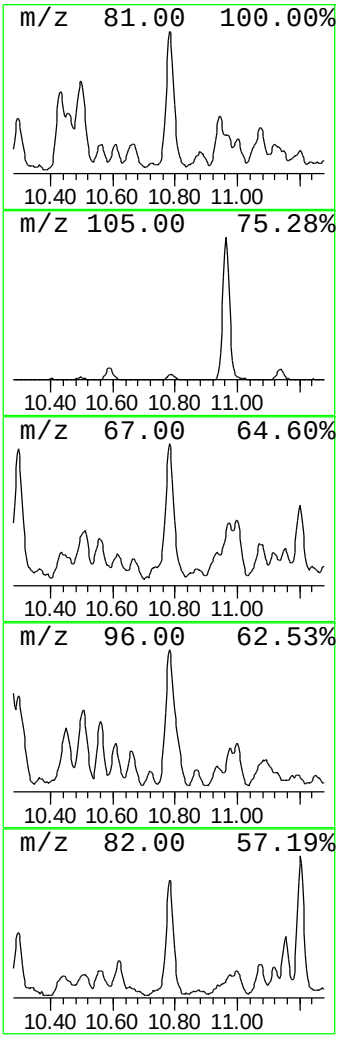
****

Peak Number 14 Pentalene, octahydro-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	18.96 ug/L	234158	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	83
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	70
3	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	60
4	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	53
5	cis-2-Methylcyclohexanol, triflu...	210	C9H13F3O2	1000364-12-3	47





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Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

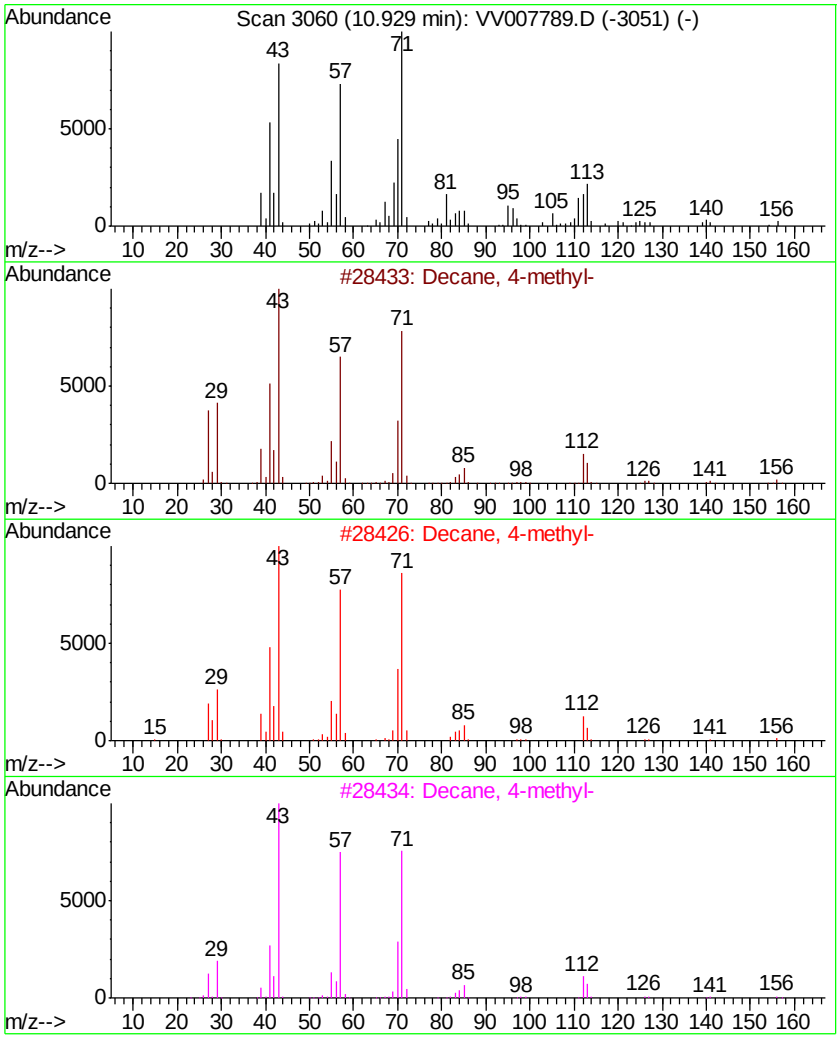
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

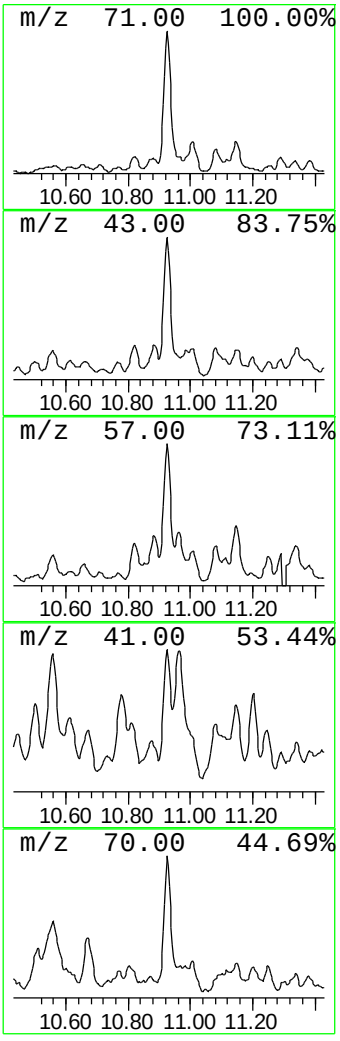
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	9.40 ug/L	116125	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	83
2	Decane, 4-methyl-	156	C11H24	002847-72-5	74
3	Decane, 4-methyl-	156	C11H24	002847-72-5	64
4	Octane, 2-bromo-	192	C8H17Br	000557-35-7	47
5	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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

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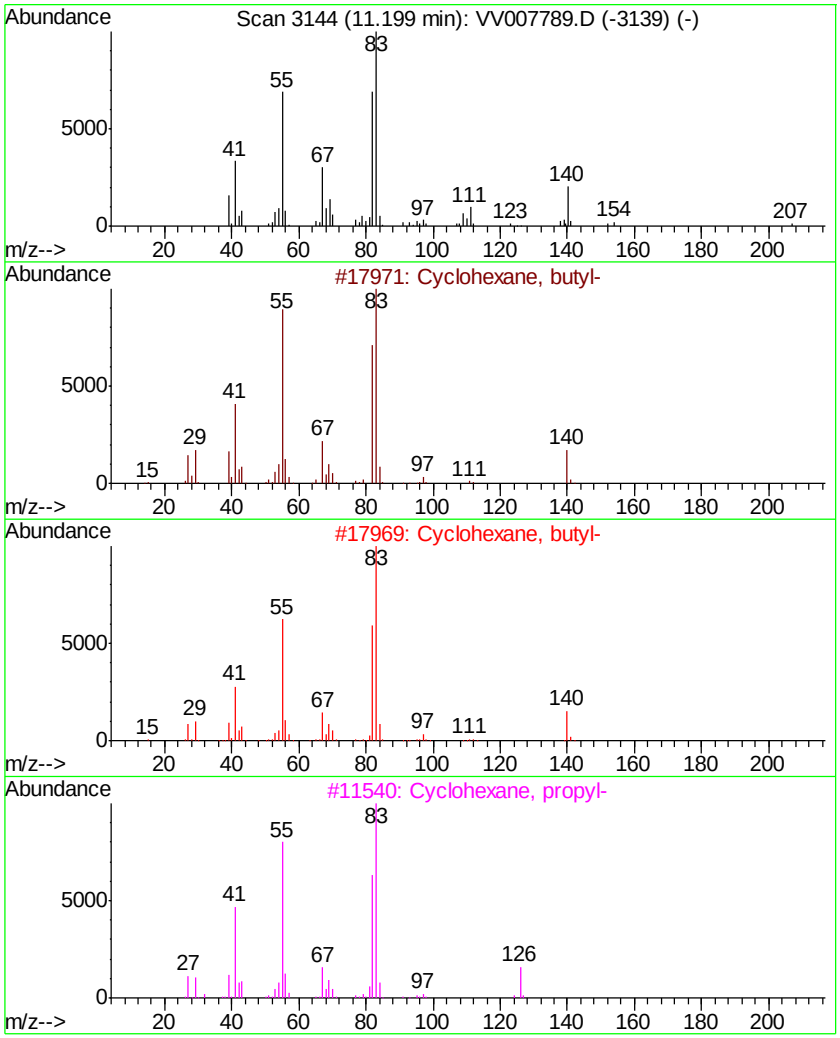
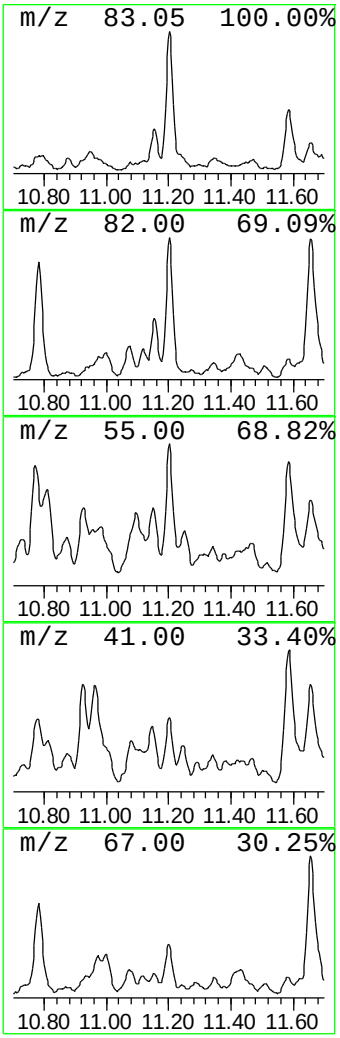
Peak Number 17 (DEL) Alkane: Cyclic11.20 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	4.87 ug/L	60159	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	78
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	53
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
5	2,4,6-Trimethyl-3-heptene	140	C10H20	1000113-56-9	43





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Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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

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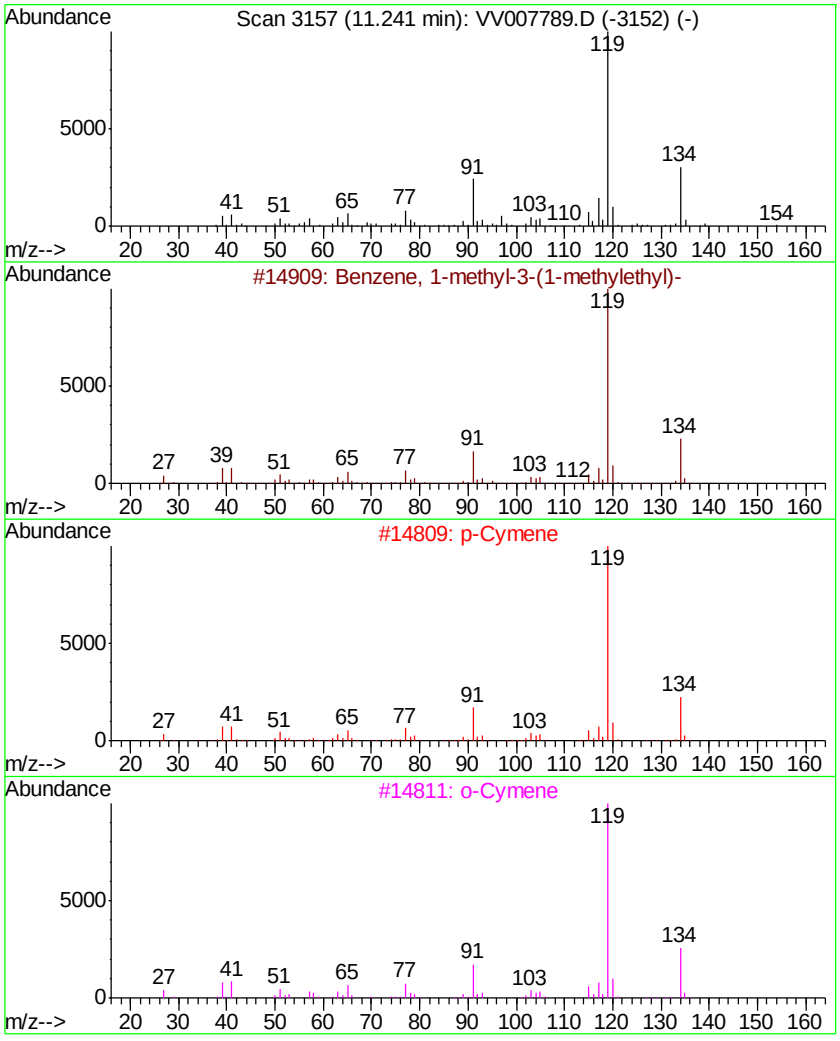
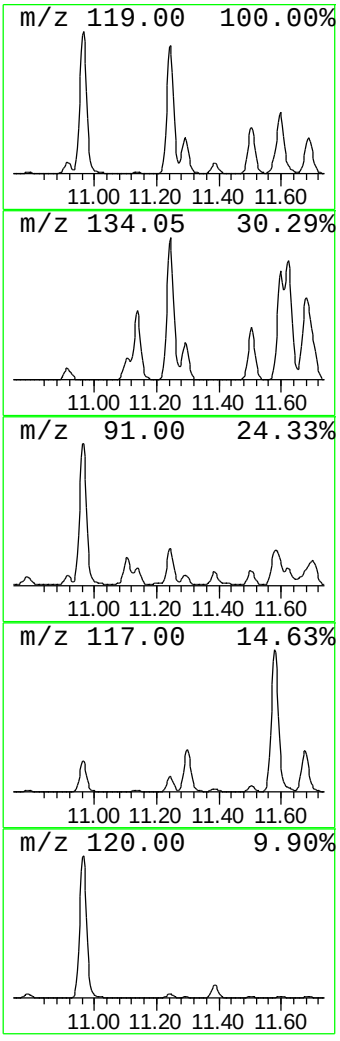
Peak Number 18 Benzene, 1-methyl-3-(1-meth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	9.48 ug/L	117023	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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

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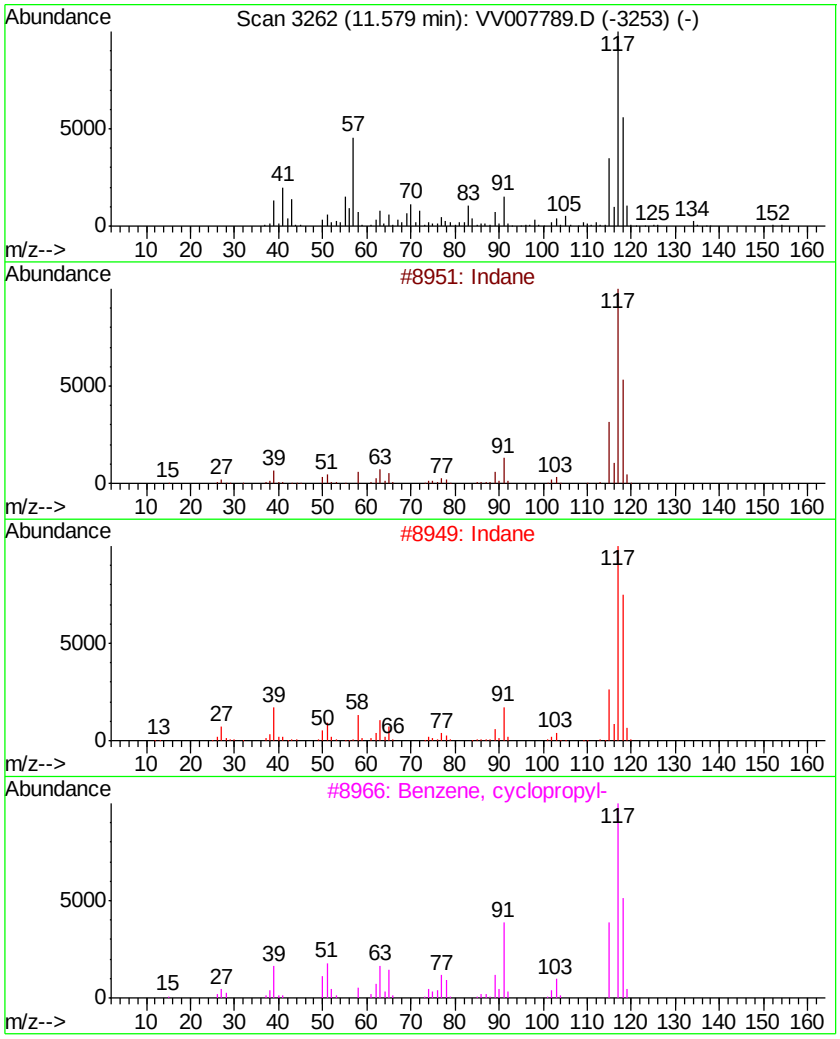
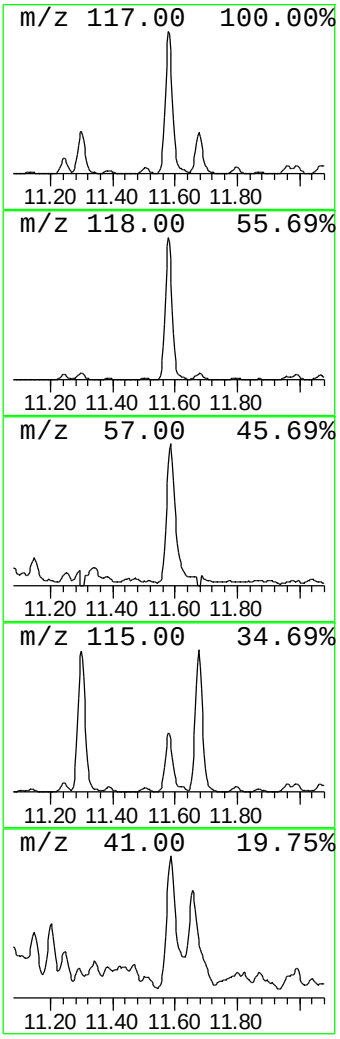
Peak Number 20 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	38.02 ug/L	469541	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	70
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

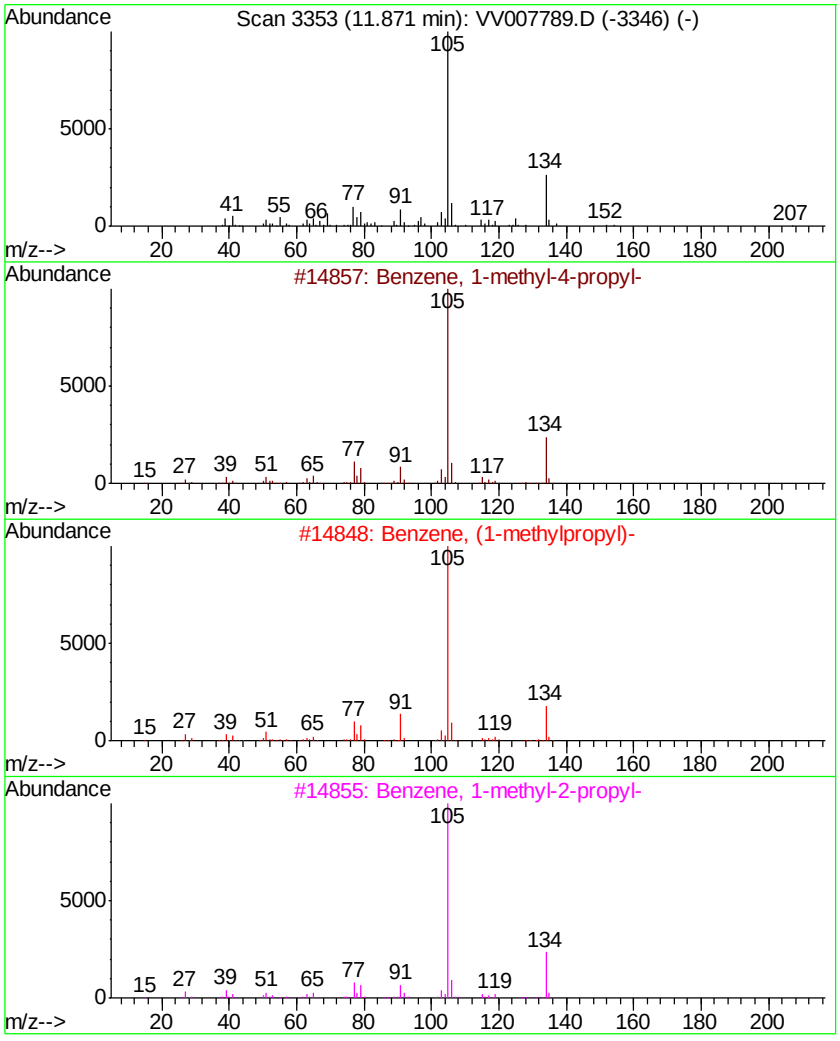
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

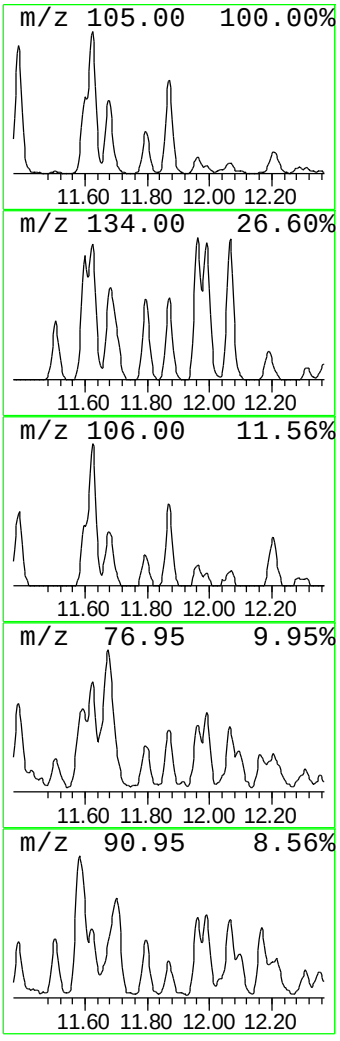
****

Peak Number 21 Benzene, 1-methyl-4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	8.07 ug/L	99609	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
4	2-Tolyloxirane	134	C9H10O	002783-26-8	87
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87





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Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

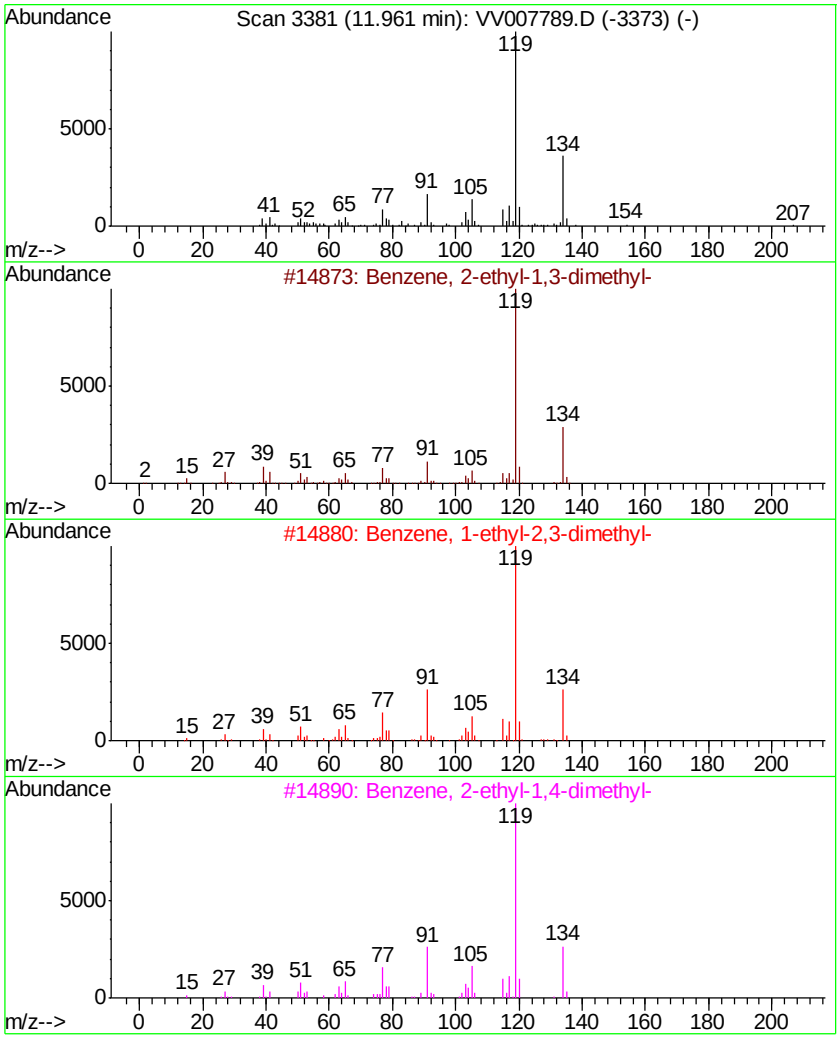
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

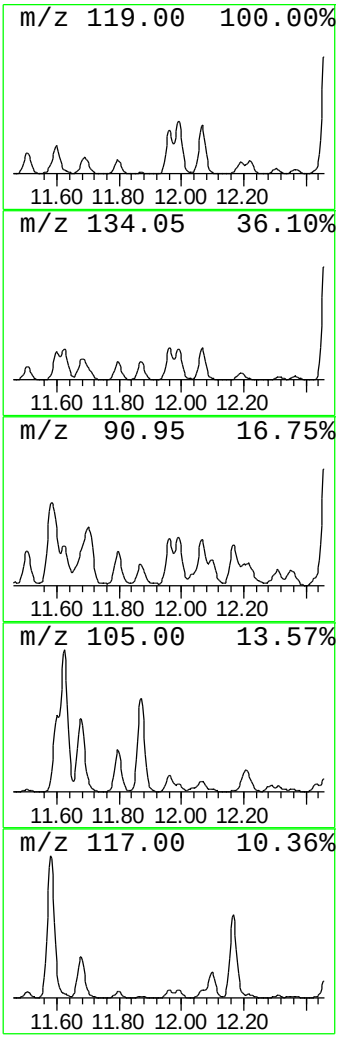
****

Peak Number 22 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	7.87 ug/L	97229	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

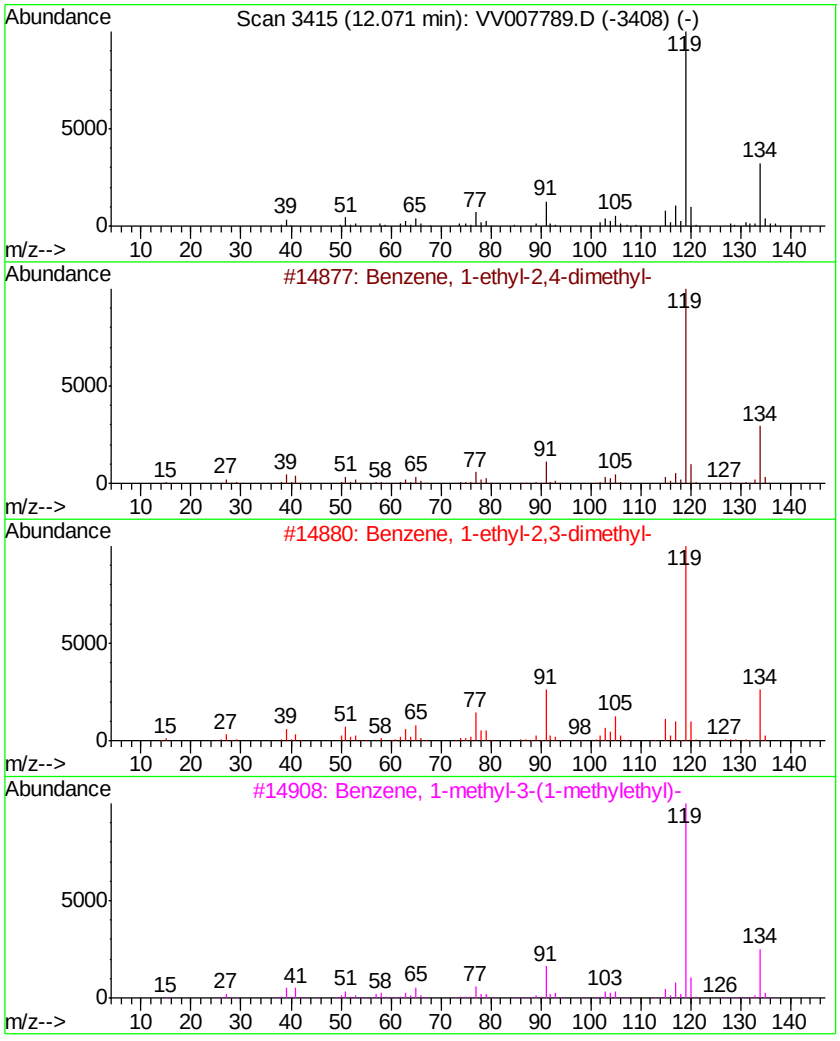
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

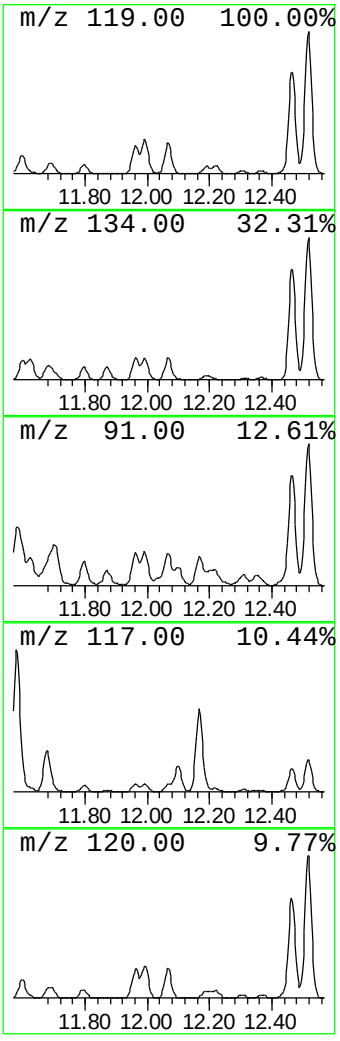
****

Peak Number 23 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	4.64 ug/L	57356	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

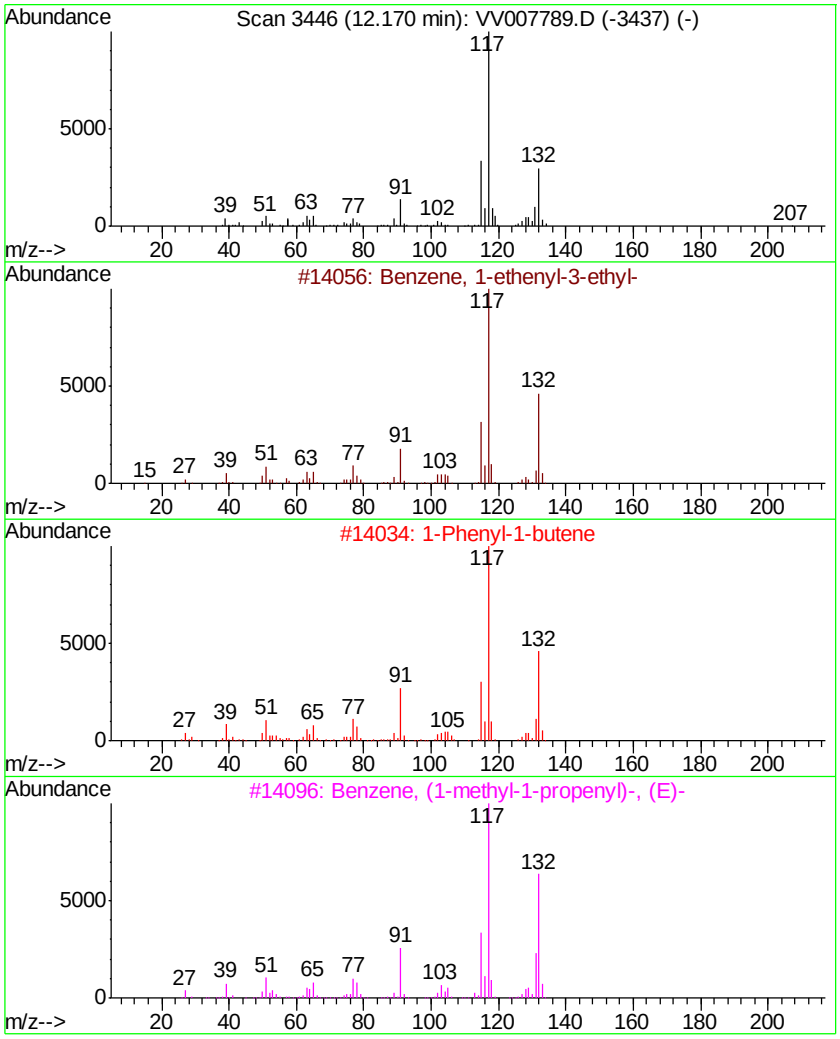
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

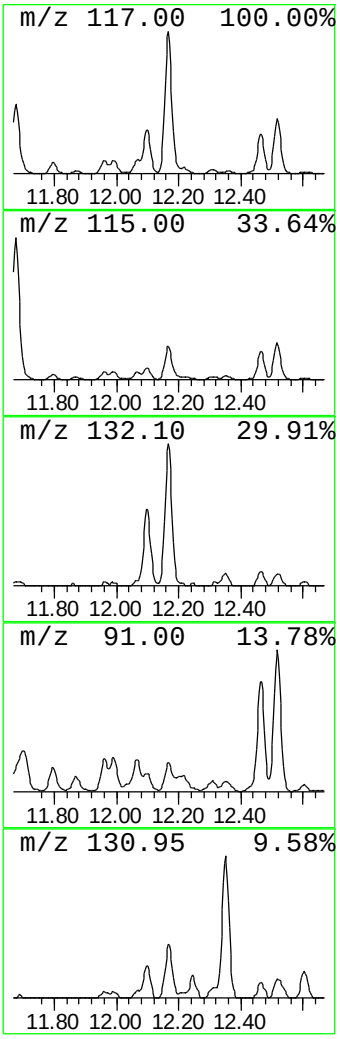
****

Peak Number 24 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	9.81 ug/L	121083	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

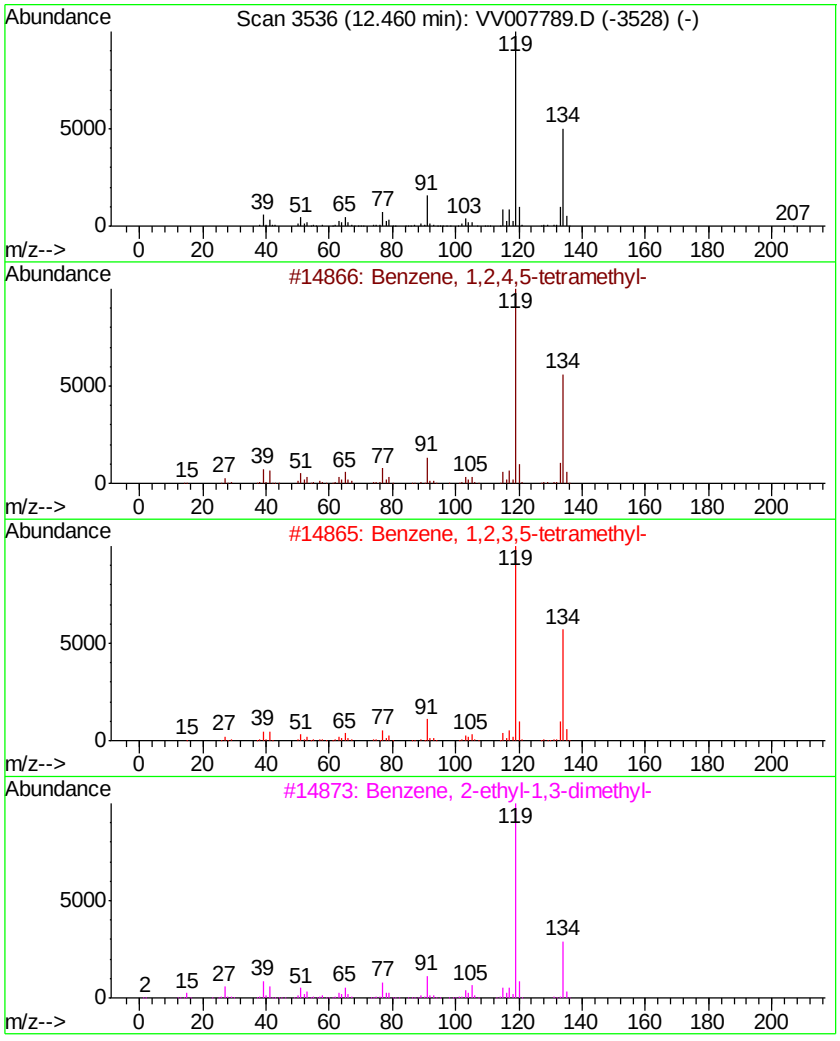
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

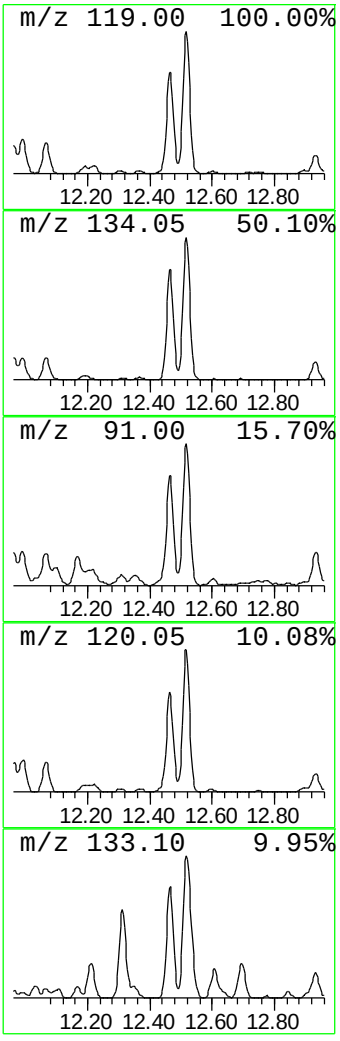
****

Peak Number 25 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	27.87 ug/L	344191	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

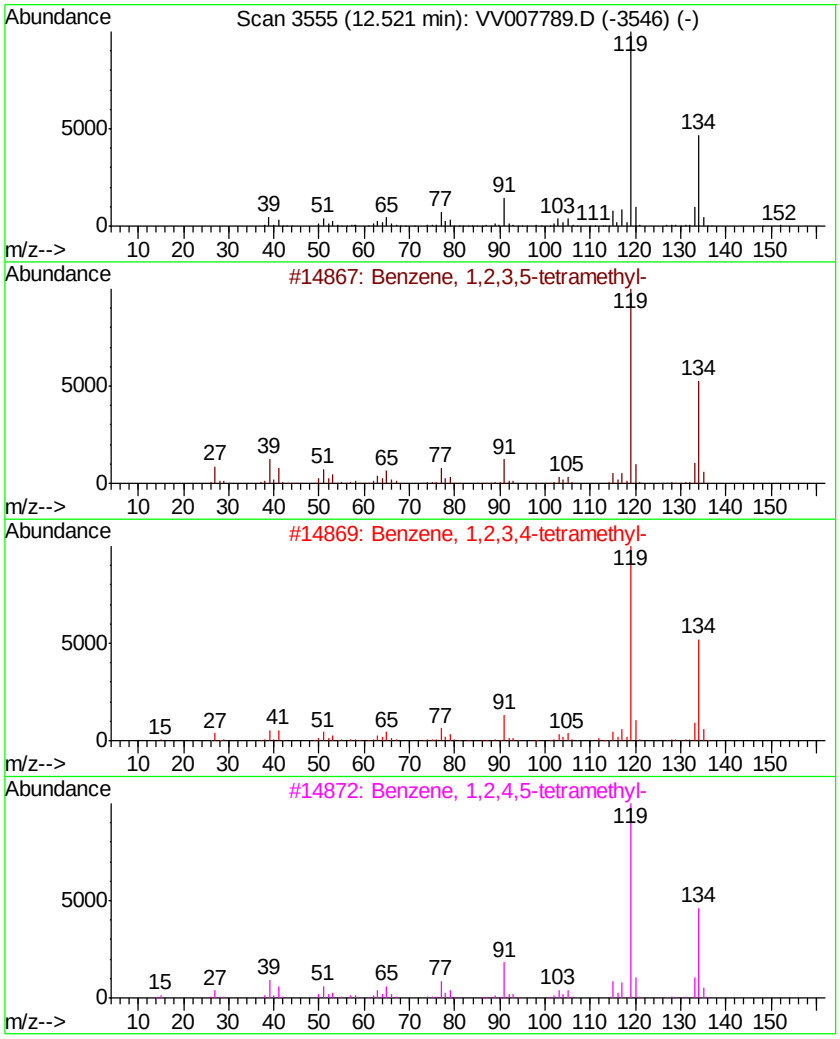
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

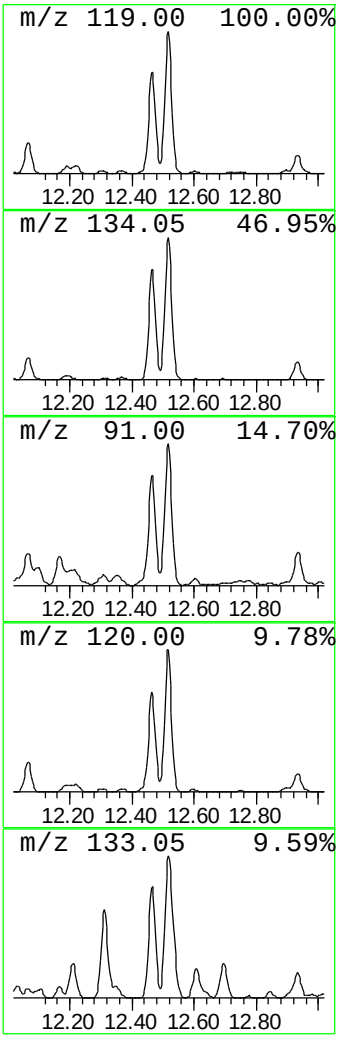
****

Peak Number 26 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	40.83 ug/L	504140	1,4-Dichlorobenzene-d4	11.30

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

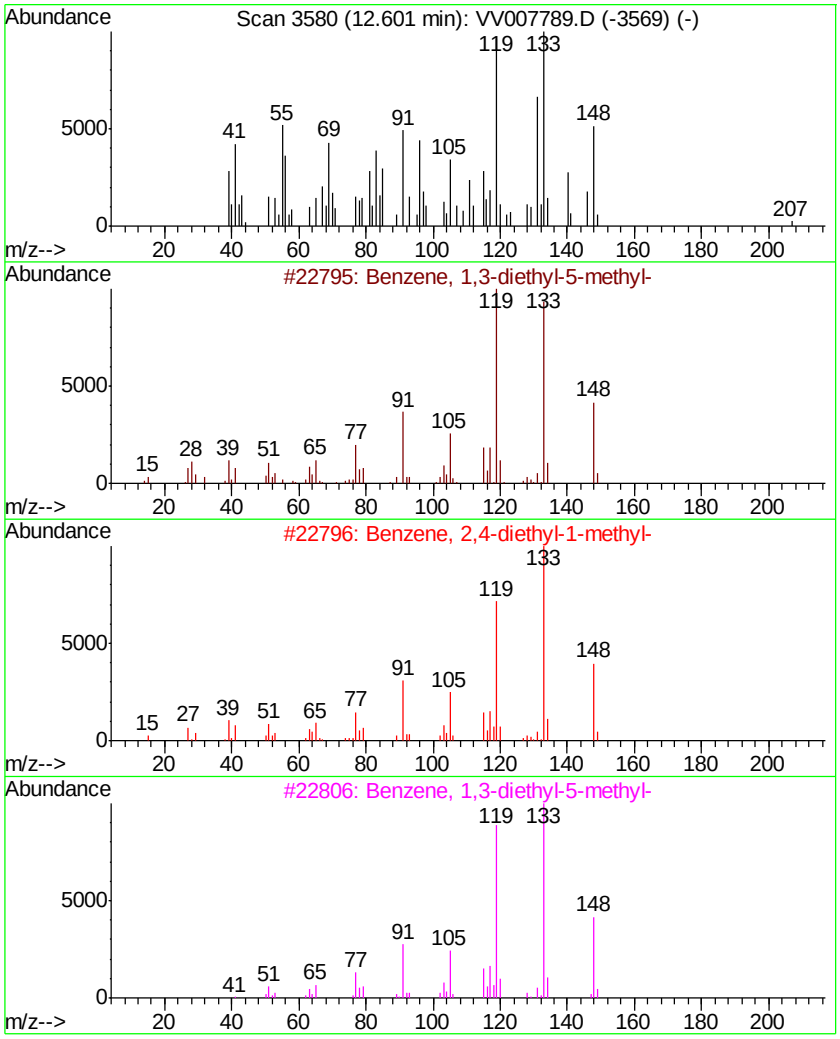
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

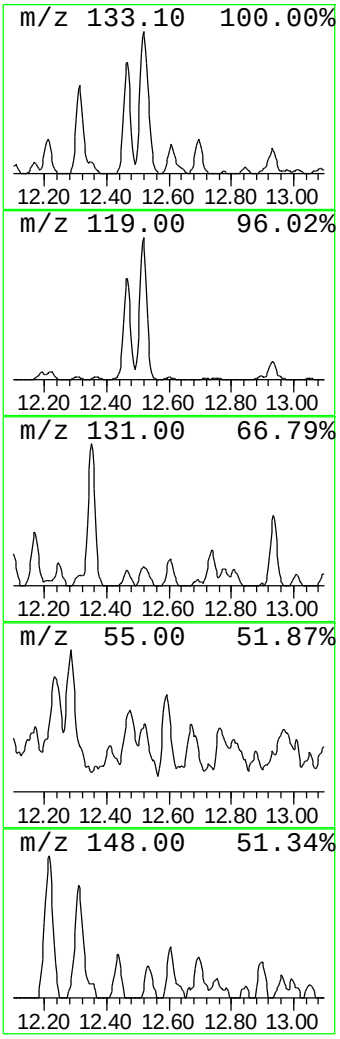
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	3.51 ug/L	43310	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	38
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	38
4	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	35
5	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

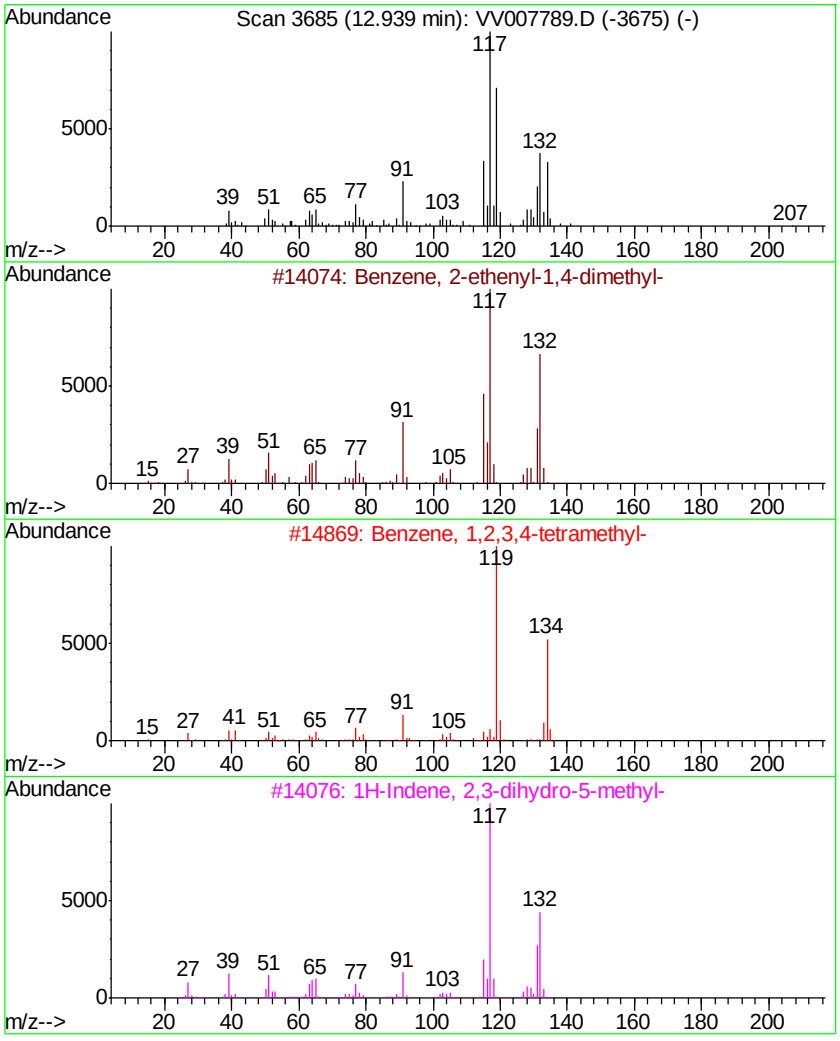
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

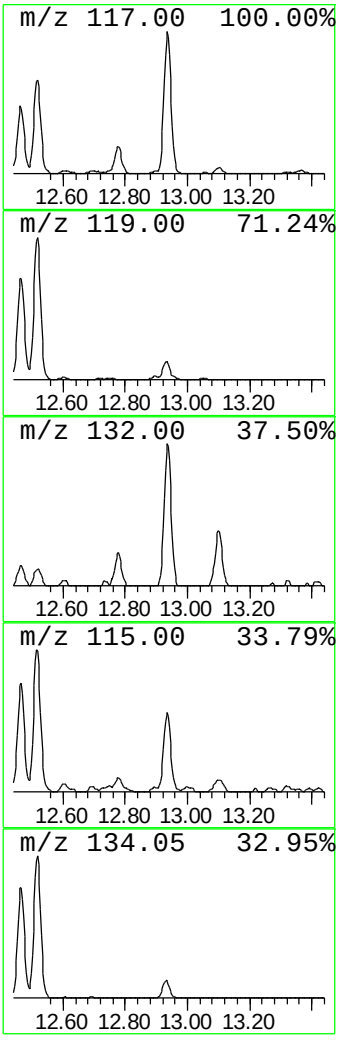
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	10.37 ug/L	128020	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	50
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	50
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

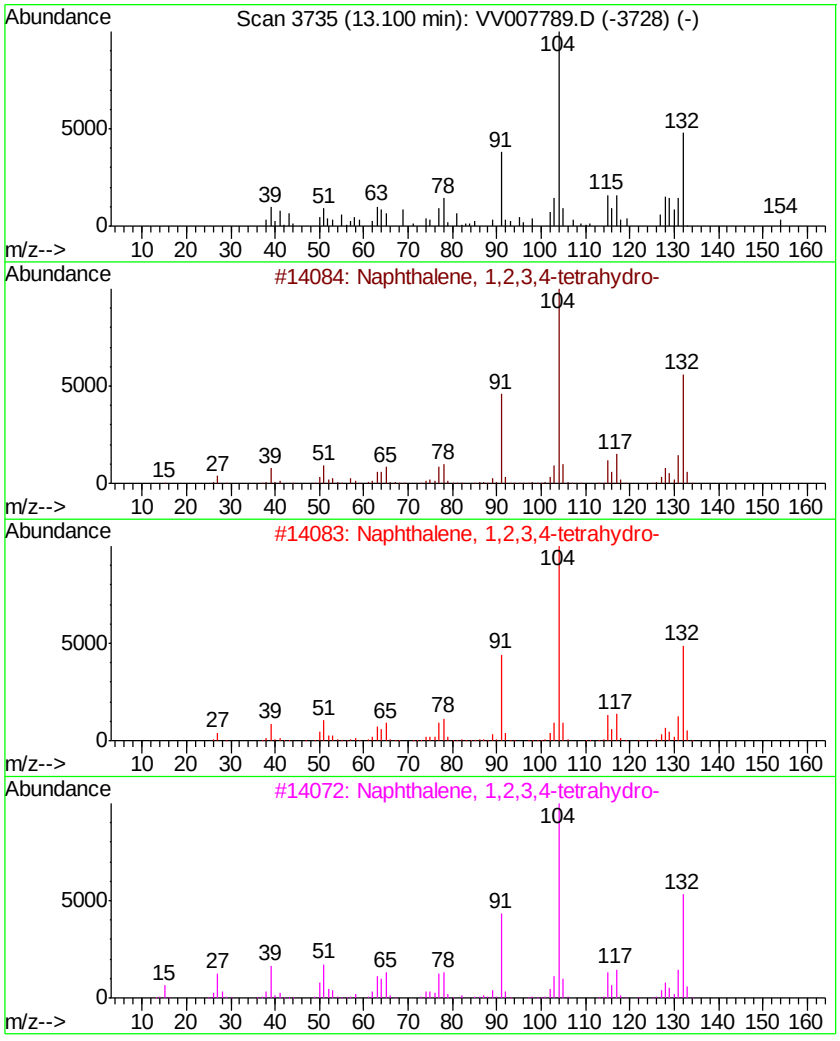
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

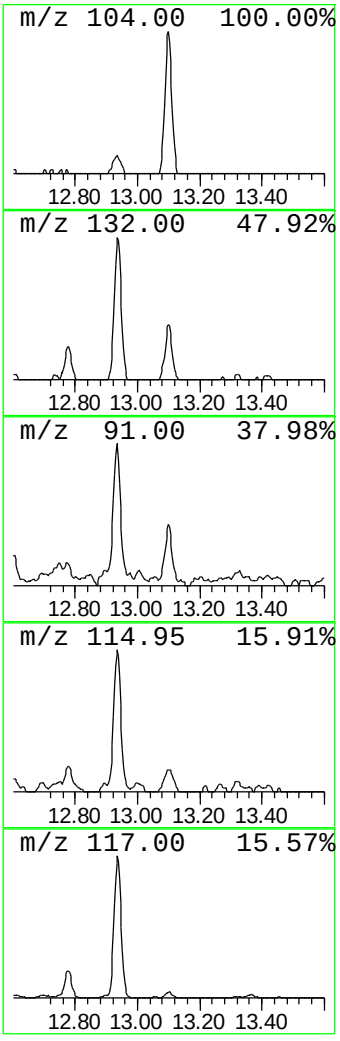
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.02 ug/L	37256	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
5	Indan, epoxide	132	C9H8O	000768-22-9	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

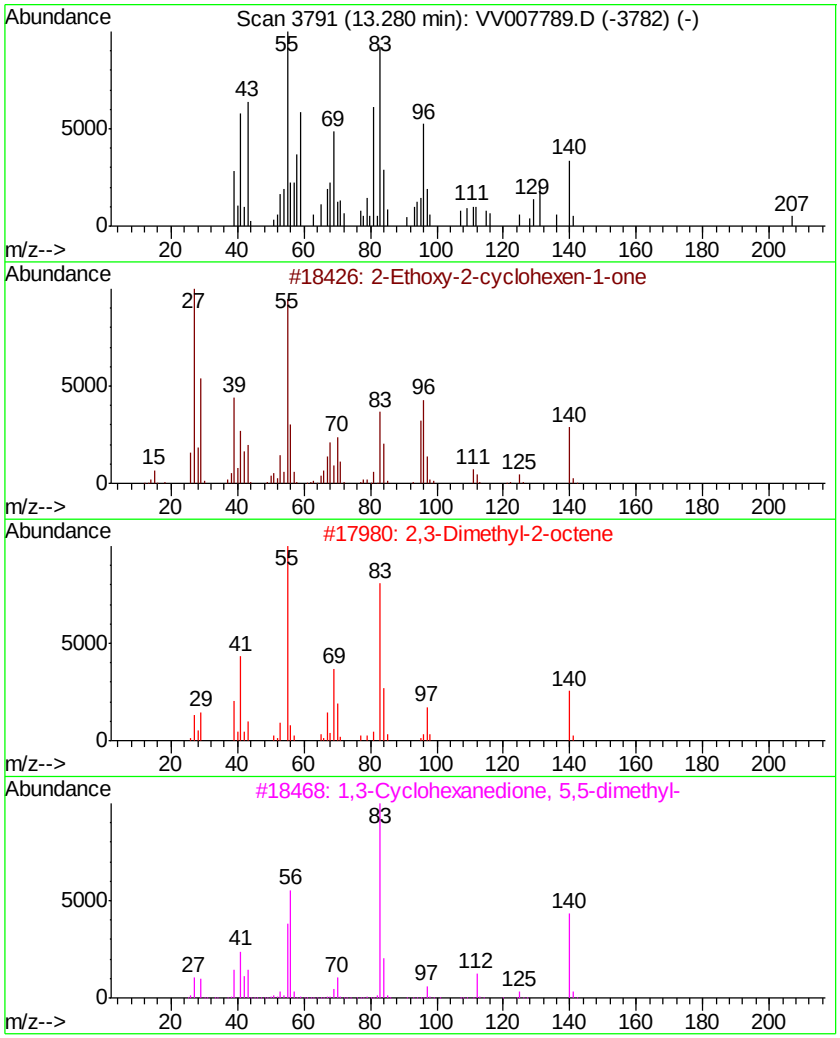
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

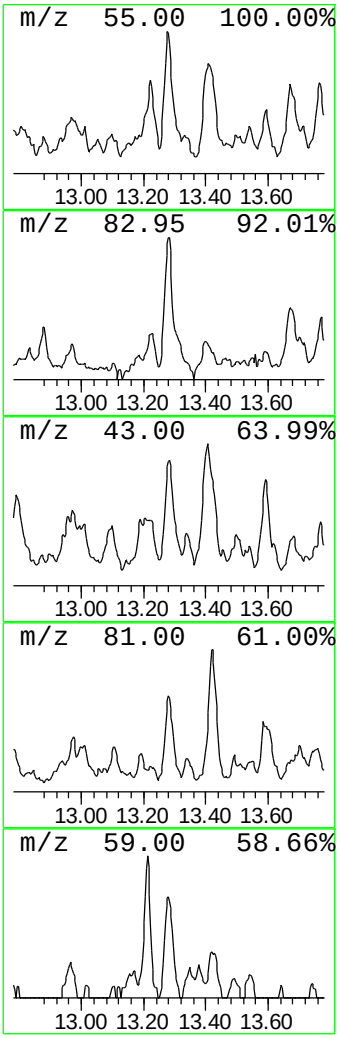
****

Peak Number 30 2-Ethoxy-2-cyclohexen-1-one Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.89 ug/L	35742	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethoxy-2-cyclohexen-1-one	140	C8H12O2	029941-82-0	50
2	2,3-Dimethyl-2-octene	140	C10H20	019781-18-1	41
3	1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	35
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	35
5	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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

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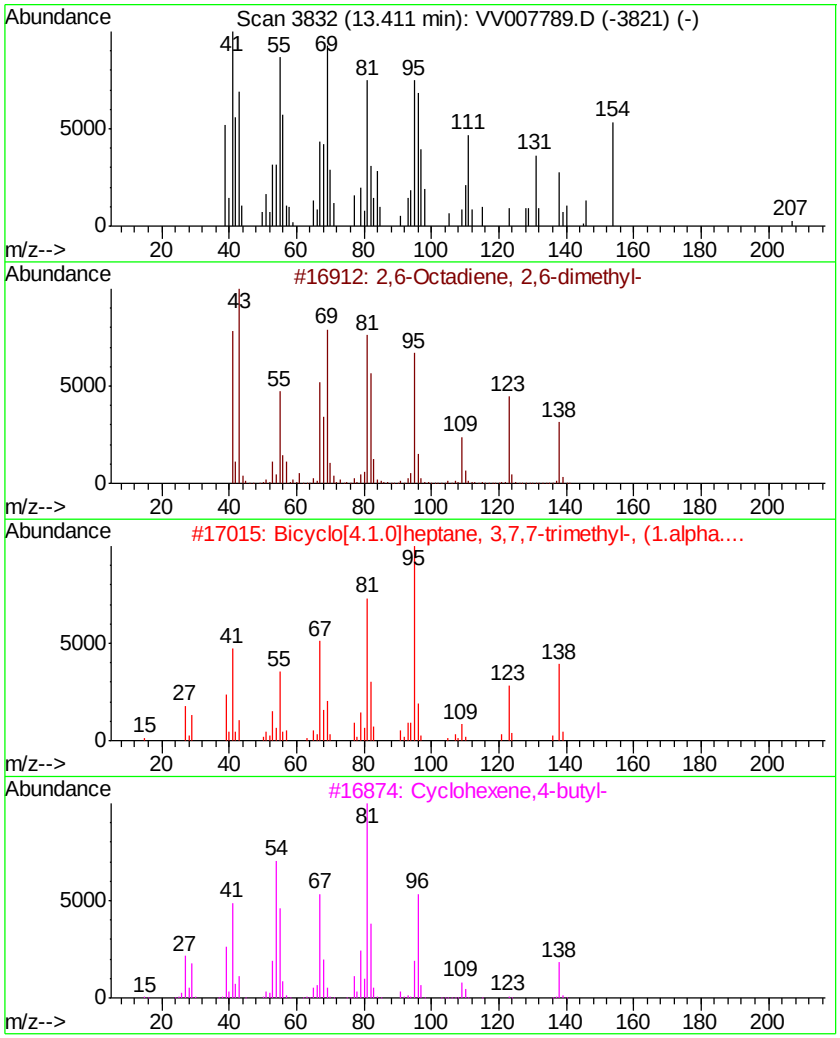
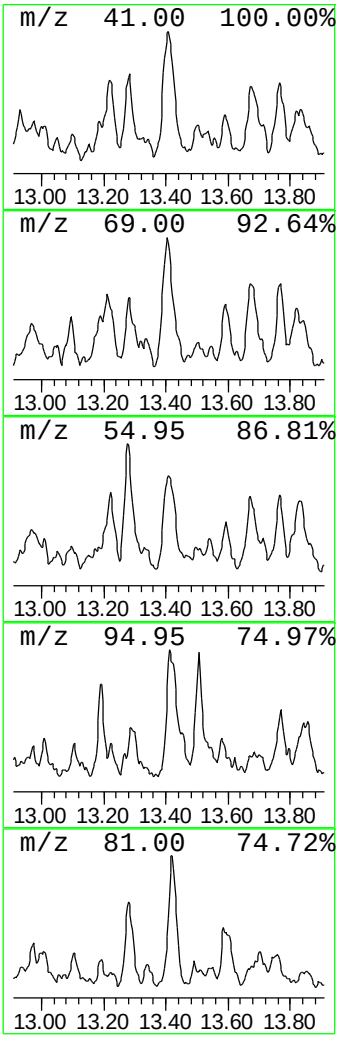
Peak Number 31 2,6-Octadiene, 2,6-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	5.49 ug/L	67767	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Octadiene, 2,6-dimethyl-	138	C10H18	002792-39-4	49
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	42
3	Cyclohexene,4-butyl-	138	C10H18	021524-26-5	38
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	002778-68-9	38
5	3-Cyclohexen-1-one, 3,5,5-trimet...	138	C9H14O	000471-01-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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

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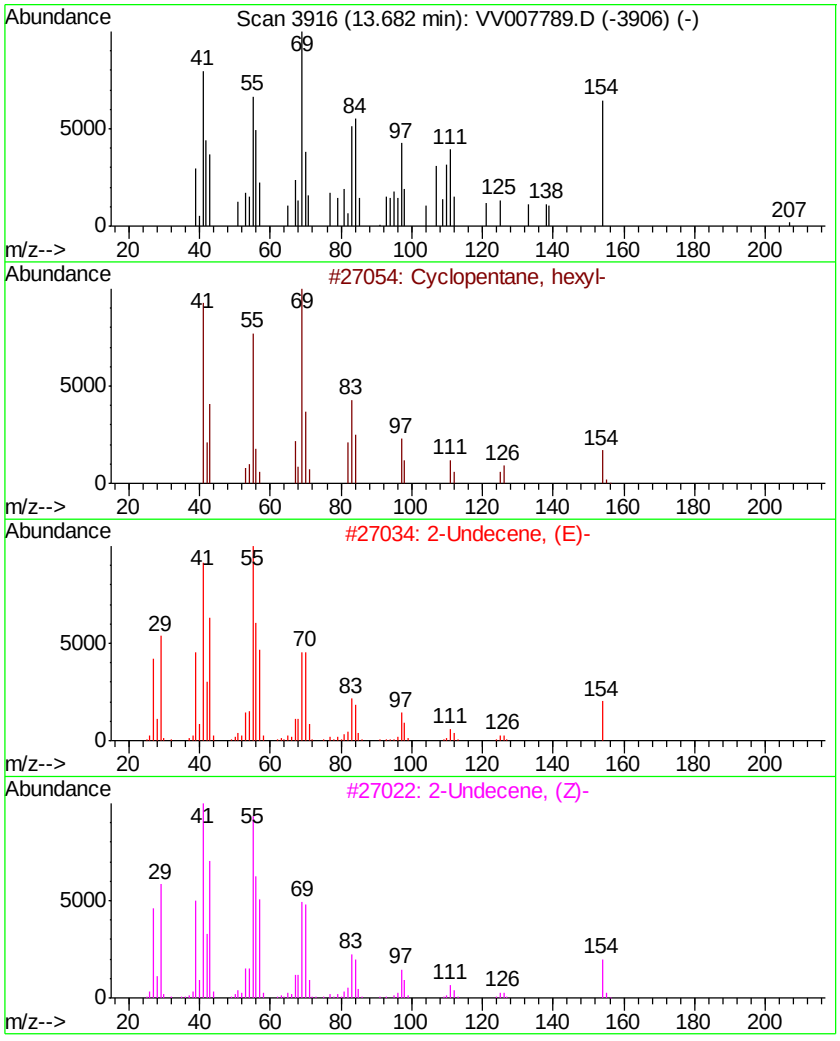
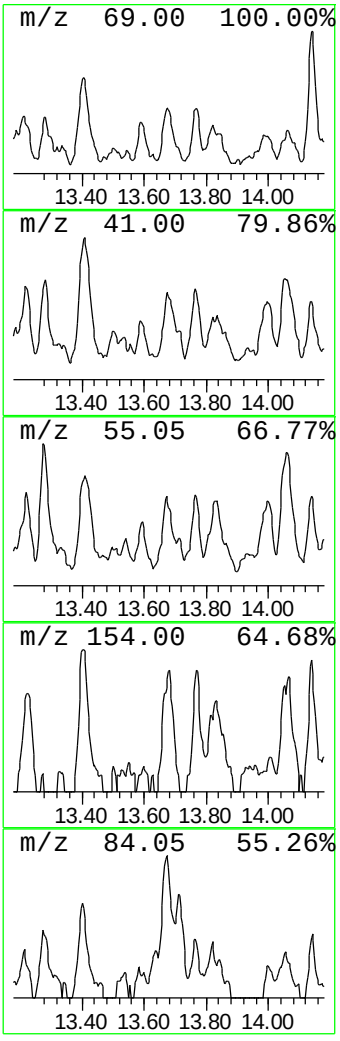
Peak Number 32 (DEL) Alkane: Cyclic13.68 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	2.57 ug/L	31784	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, hexyl-	154	C11H22	004457-00-5	58
2	2-Undecene, (E)-	154	C11H22	000693-61-8	43
3	2-Undecene, (Z)-	154	C11H22	000821-96-5	43
4	4-Butyl-cyclohexanone	154	C10H18O	061203-82-5	38
5	Pentane, 3-methylene-	84	C6H12	000760-21-4	30





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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

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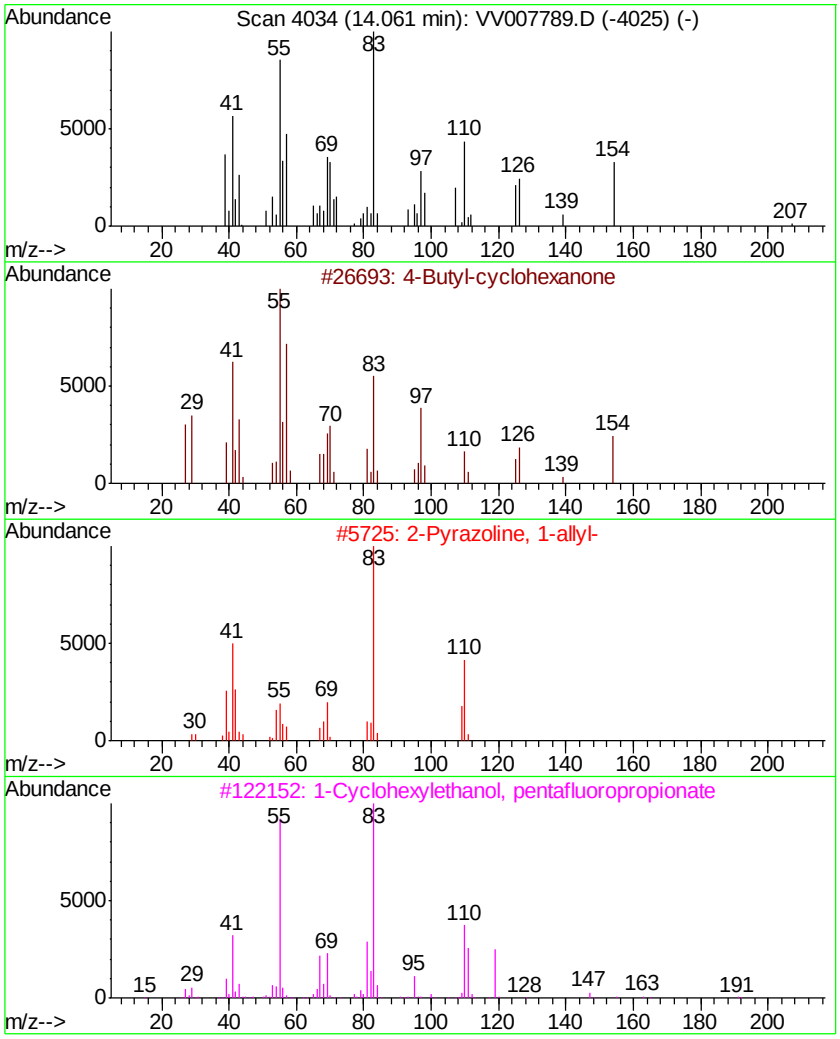
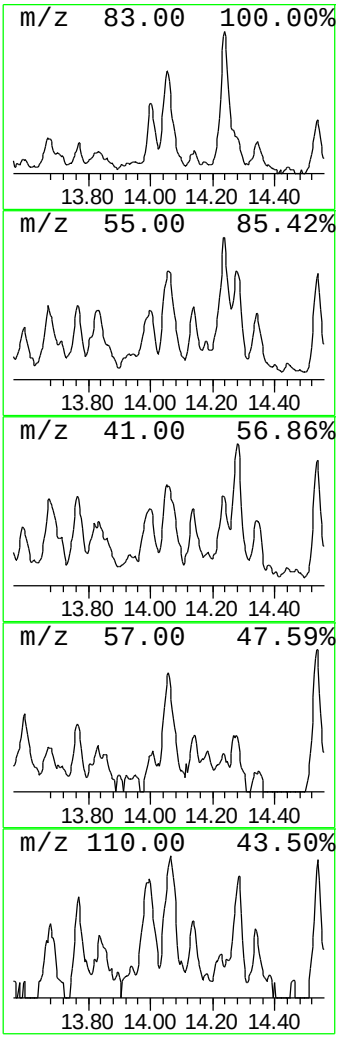
Peak Number 33 4-Butyl-cyclohexanone Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.06	3.13 ug/L	38619	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Butyl-cyclohexanone	154	C10H18O	061203-82-5	58
2	2-Pyrazoline, 1-allyl-	110	C6H10N2	019804-38-7	38
3	1-Cyclohexylethanol, pentafluoro...	274	C11H15F5O2	1000365-50-1	38
4	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	35
5	Cyclohexanone, 2,6-diethyl-	154	C10H18O	016519-68-9	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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

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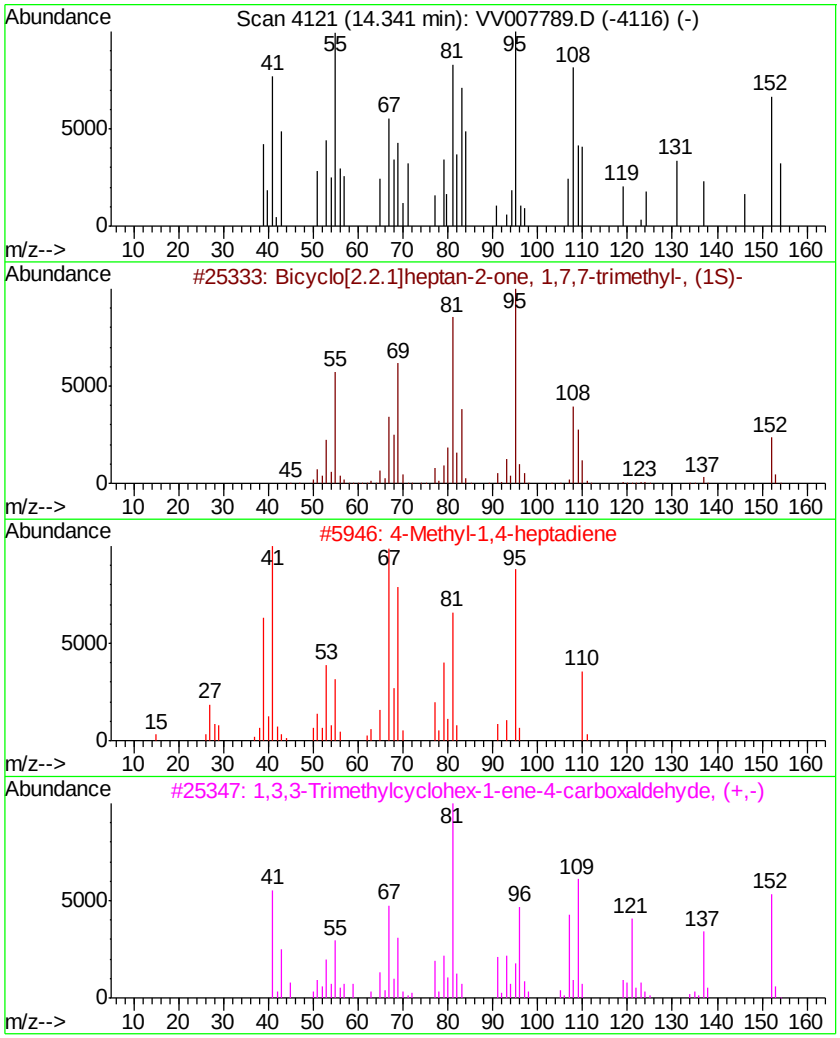
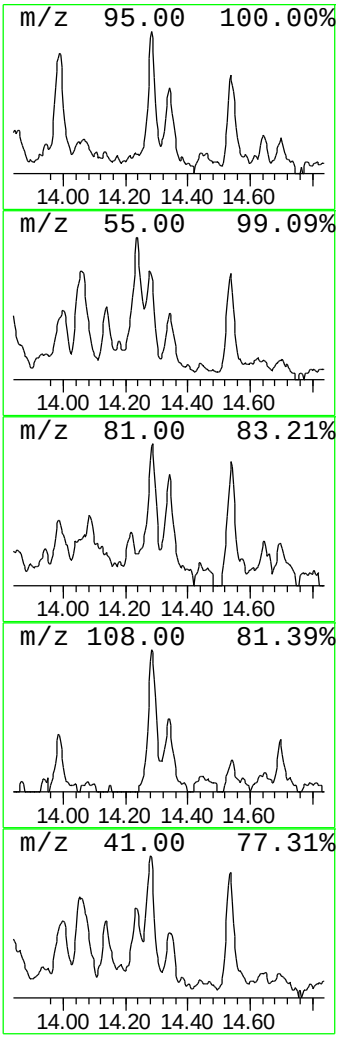
Peak Number 34 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	2.81 ug/L	34687	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	76
2	4-Methyl-1,4-heptadiene	110	C8H14	013857-55-1	60
3	1,3,3-Trimethylcyclohex-1-ene-4-...	152	C10H16O	127128-60-3	53
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	46
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007789.D
Acq On : 23 Sep 2018 15:33
Operator : SY/MD
Sample : J5014-04
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 67 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	8.28	5.2	ug/L	54394	2	8.90	528269	50.0
(DEL) Alkane: Cyc...	8.40	5.6	ug/L	58836	2	8.90	528269	50.0
(DEL) Alkane: Cyc...	8.64	11.4	ug/L	120697	2	8.90	528269	50.0
(DEL) Alkane: Cyc...	9.11	6.2	ug/L	65481	2	8.90	528269	50.0
(DEL) Alkane: Cyc...	9.15	7.2	ug/L	75854	2	8.90	528269	50.0
(DEL) Alkane: Cyc...	9.24	8.2	ug/L	86133	2	8.90	528269	50.0
Cyclohexene, 1-me...	9.37	5.3	ug/L	56316	2	8.90	528269	50.0
(DEL) Alkane: Cyc...	9.52	45.6	ug/L	481444	2	8.90	528269	50.0
(DEL) Alkane: Cyc...	9.72	6.3	ug/L	67019	2	8.90	528269	50.0
Cyclohexane, 2-pr...	9.85	19.2	ug/L	202481	2	8.90	528269	50.0
3-Octyne, 2-methyl-	10.18	8.5	ug/L	104568	3	11.30	617426	50.0
Pentalene, octahy...	10.78	19.0	ug/L	234158	3	11.30	617426	50.0
(DEL) Alkane: Str...	10.93	9.4	ug/L	116125	3	11.30	617426	50.0
(DEL) Alkane: Cyc...	11.20	4.9	ug/L	60159	3	11.30	617426	50.0
Benzene, 1-methyl...	11.24	9.5	ug/L	117023	3	11.30	617426	50.0
Indane	11.58	38.0	ug/L	469541	3	11.30	617426	50.0
Benzene, 1-methyl...	11.87	8.1	ug/L	99609	3	11.30	617426	50.0
Benzene, 2-ethyl-...	11.96	7.9	ug/L	97229	3	11.30	617426	50.0
Benzene, 1-ethyl-...	12.07	4.6	ug/L	57356	3	11.30	617426	50.0
Benzene, 1-etheny...	12.17	9.8	ug/L	121083	3	11.30	617426	50.0
Benzene, 1,2,4,5-...	12.46	27.9	ug/L	344191	3	11.30	617426	50.0
Benzene, 1,2,3,5-...	12.52	40.8	ug/L	504140	3	11.30	617426	50.0
Benzene, 1,3-diet...	12.60	3.5	ug/L	43310	3	11.30	617426	50.0
Benzene, 2-etheny...	12.94	10.4	ug/L	128020	3	11.30	617426	50.0
Naphthalene, 1,2,...	13.10	3.0	ug/L	37256	3	11.30	617426	50.0
2-Ethoxy-2-cycloh...	13.28	2.9	ug/L	35742	3	11.30	617426	50.0
2,6-Octadiene, 2,...	13.41	5.5	ug/L	67767	3	11.30	617426	50.0
(DEL) Alkane: Cyc...	13.68	2.6	ug/L	31784	3	11.30	617426	50.0
4-Butyl-cyclohexa...	14.06	3.1	ug/L	38619	3	11.30	617426	50.0
Bicyclo[2.2.1]hep...	14.34	2.8	ug/L	34687	3	11.30	617426	50.0