LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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	1.322	65	72	88	rVB	59185	64610	4.47%	0.423%
2	1.586	147	154	167	rVB	60918	69547	4.81%	0.455%
3	2.135	316	325	337	rBV	147318	211865	14.66%	1.387%
4	3.431	724	728	735	rVB	166	188	0.01%	0.001%
5	3.512	749	753	761	rVV	191	244	0.02%	0.002%
6	3.570	766	771	775	rVB	132	147	0.01%	0.001%
7	3.885	861	869	872	rBV	143	183	0.01%	0.001%
8	3.949	872	889	913	rBV	38658	101910	7.05%	0.667%
9	4.409	1014	1032	1058	rBV	88391	214804	14.86%	1.406%
10	4.634	1097	1102	1106	rBV2	237	220	0.02%	0.001%
11	5.103	1229	1248	1272	rBV2	219103	533736	36.93%	3.493%
12	5.592	1396	1400	1404	rVB2	172	135	0.01%	0.001%
13	5.669	1409	1424	1461	rBV	198219	397258	27.49%	2.600%
14	5.904	1494	1497	1500	rVB2	274	204	0.01%	0.001%
15	5.965	1506	1516	1528	rVB7	6162	11551	0.80%	0.076%
16	6.126	1552	1566	1589	rBV	117699	240046	16.61%	1.571%
17	6.254	1605	1606	1609	rVB2	436	186	0.01%	0.001%
18	6.402	1647	1652	1662	rVB2	186	311	0.02%	0.002%
19	6.650	1724	1729	1739	rBV3	389	496	0.03%	0.003%
20	7.036	1837	1849	1865	rBV	62250	110126	7.62%	0.721%
21	7.119	1873	1875	1877	rBV2	267	175	0.01%	0.001%
22	7.171	1887	1891	1892	rBV	188	141	0.01%	0.001%
23	7.193	1895	1898	1899	rBV	271	133	0.01%	0.001%
24	7.203	1899	1901	1905	rVB	355	205	0.01%	0.001%
25	7.245	1912	1914	1917	rBV2	280	142	0.01%	0.001%
26	7.302	1928	1932	1933	rBV2	686	451	0.03%	0.003%
27	7.364	1938	1951	1970	rBV	265432	470084	32.53%	3.077%
28	7.518	1995	1999	2000	rBV	257	175	0.01%	0.001%
29	7.669	2035	2046	2072	rBV2	43016	78870	5.46%	0.516%
30	7.785	2080	2082	2086	rVB	378	200	0.01%	0.001%
31	7.836	2091	2098	2106	rVV2	2009	2422	0.17%	0.016%
32	7.955	2131	2135	2136	rBV3	294	173	0.01%	0.001%
33	7.978	2139	2142	2144	rBV2	300	246	0.02%	0.002%
34	8.019	2152	2155	2163	rVB5	1074	1324	0.09%	0.009%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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	8.138	2178	2192	2222	rBV	131620	262652	18.17%	1.719%
36	8.338	2246	2254	2263	rVB2	16625	25972	1.80%	0.170%
37	8.399	2264	2273	2284	rBV2	19997	34033	2.35%	0.223%
38	8.521	2307	2311	2313	rBV3	217	173	0.01%	0.001%
39	8.553	2313	2321	2329	rVB6	3789	6217	0.43%	0.041%
40	8.640	2329	2348	2360	rBV3	47458	102852	7.12%	0.673%
41	8.772	2382	2389	2398	rBV2	4341	7026	0.49%	0.046%
42	8.833	2398	2408	2418	rBV2	23778	40425	2.80%	0.265%
43	8.900	2418	2429	2444	rBV	302422	501090	34.67%	3.280%
44	9.048	2462	2475	2486	rBV5	51158	117594	8.14%	0.770%
45	9.109	2486	2494	2500	rBV3	28950	44841	3.10%	0.293%
46	9.154	2502	2508	2512	rBV3	28714	41201	2.85%	0.270%
47	9.367	2562	2574	2585	rVB4	17614	30889	2.14%	0.202%
48	9.418	2585	2590	2594	rBV4	490	595	0.04%	0.004%
49	9.457	2595	2602	2604	rBV5	1965	2402	0.17%	0.016%
50	9.521	2605	2622	2637	rBV2	133686	336965	23.32%	2.205%
51	9.592	2639	2644	2663	rVB3	50670	100782	6.97%	0.660%
52	9.724	2677	2685	2688	rBV2	37433	52540	3.64%	0.344%
53	9.756	2690	2695	2704	rVB2	85244	122693	8.49%	0.803%
54	9.846	2714	2723	2735	rBV6	110945	230235	15.93%	1.507%
55	10.177	2819	2826	2839	rVB5	41740	69682	4.82%	0.456%
56	10.267	2843	2854	2874	rVB3	219821	497860	34.45%	3.259%
57	10.402	2889	2896	2901	rBV	19749	31300	2.17%	0.205%
58	10.498	2918	2926	2937	rBV3	100767	207839	14.38%	1.360%
59	10.785	3005	3015	3032	rVB3	121980	257505	17.82%	1.685%
60	10.926	3052	3059	3061	rBV3	45229	55237	3.82%	0.362%
61	10.961	3062	3070	3093	rVB	541608	940633	65.09%	6.157%
62	11.203	3138	3145	3152	rBV2	59491	84376	5.84%	0.552%
63	11.299	3165	3175	3186	rBV	370629	599822	41.50%	3.926%
64	11.386	3193	3202	3223	rVB	300708	479388	33.17%	3.138%
65	11.588	3253	3265	3271	rBV4	83966	198906	13.76%	1.302%
66	11.678	3282	3293	3312	rVB4	575946	1321584	91.45%	8.650%
67	11.871	3345	3353	3370	rVB	116332	188807	13.06%	1.236%
68	11.961	3371	3381	3385	rBV	233799	342998	23.73%	2.245%
69	12.068	3405	3414	3436	rVB	414565	705962	48.85%	4.621%
70	12.167	3437	3445	3450	rBV	85317	136060	9.41%	0.891%
71	12.309	3476	3489	3496	rBV7	40394	91196	6.31%	0.597%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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	12.363	3497	3506	3518	rVB3	129161	230155	15.93%	1.506%
73	12.463	3518	3537	3546	rBV	353913	607111	42.01%	3.974%
74	12.518	3546	3554	3569	rVB	486147	748447	51.79%	4.899%
75	12.601	3569	3580	3586	rBV2	66400	109661	7.59%	0.718%
76	12.637	3587	3591	3596	rVV	31435	29626	2.05%	0.194%
77	12.778	3628	3635	3649	rVB	166427	255049	17.65%	1.669%
78	12.846	3649	3656	3663	rVB2	47525	61299	4.24%	0.401%
79	12.936	3663	3684	3700	rBV2	734379	1445213	100.00%	9.459%
80	13.051	3713	3720	3728	rBV	68105	93237	6.45%	0.610%
81	13.106	3730	3737	3746	rVB3	59957	92612	6.41%	0.606%
82	13.219	3766	3772	3780	rBV3	23957	37883	2.62%	0.248%
83	13.322	3796	3804	3810	rBV3	120762	185873	12.86%	1.217%
84	13.553	3871	3876	3884	rVB	29330	40329	2.79%	0.264%
85	13.598	3885	3890	3902	rVB	25124	38300	2.65%	0.251%
86	13.666	3902	3911	3917	rBV6	11923	19885	1.38%	0.130%
87	13.772	3934	3944	3953	rBV5	24107	52562	3.64%	0.344%
88	13.961	3993	4003	4018	rBV	32177	60578	4.19%	0.396%
89	14.141	4051	4059	4075	rVB4	24670	55125	3.81%	0.361%
90	14.286	4095	4104	4113	rBV	26166	40007	2.77%	0.262%
91	14.344	4115	4122	4133	rVV2	16099	26070	1.80%	0.171%
92	14.386	4133	4135	4138	rVB	715	312	0.02%	0.002%
93	14.485	4160	4166	4173	rBV8	3106	4369	0.30%	0.029%
94	14.537	4175	4182	4193	rVB7	5811	9134	0.63%	0.060%
95	14.643	4212	4215	4216	rBV2	724	416	0.03%	0.003%
96	14.688	4219	4229	4241	rVB	113597	172147	11.91%	1.127%
97	14.807	4263	4266	4270	rBV3	542	317	0.02%	0.002%
98	14.871	4276	4286	4300	rVB	51897	79501	5.50%	0.520%
99	14.961	4312	4314	4317	rBV2	279	184	0.01%	0.001%
100	15.026	4332	4334	4338	rVB3	578	336	0.02%	0.002%

Sum of corrected areas: 15278578

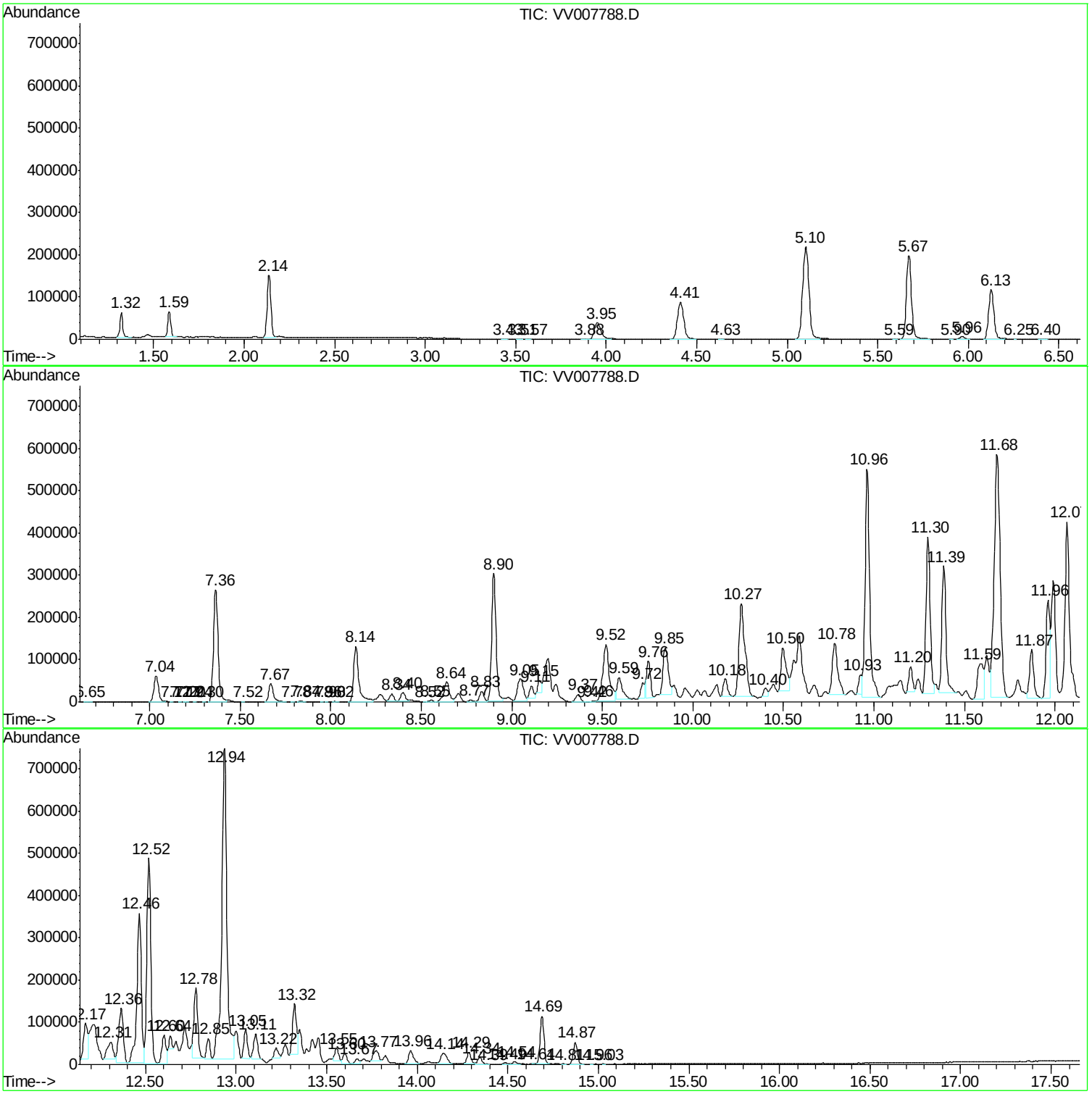
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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 : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

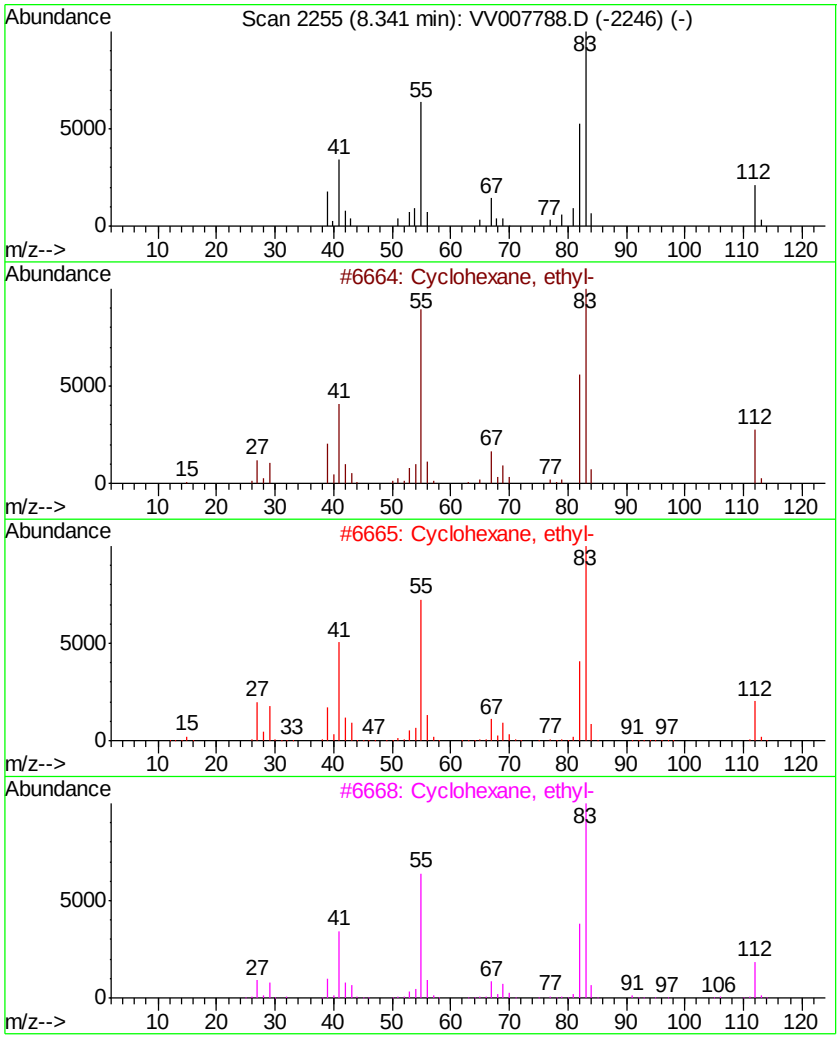
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

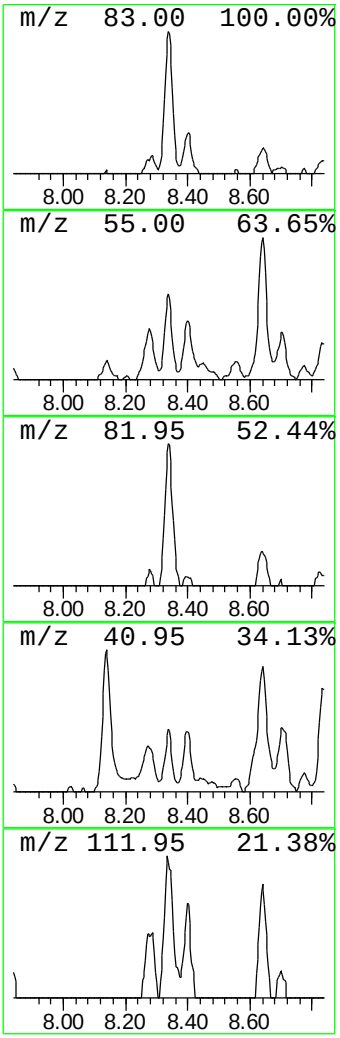
****

Peak Number 2 (DEL) Alkane: Cyclic8.34 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	2.59 ug/L	25972	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

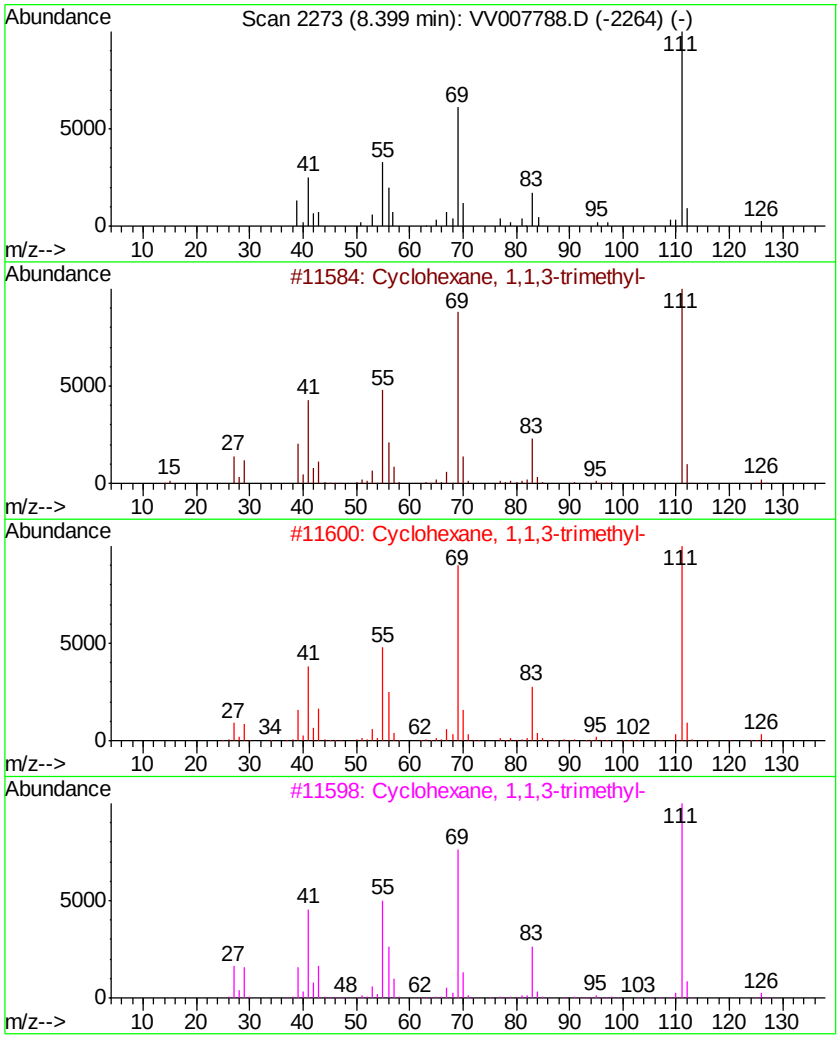
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

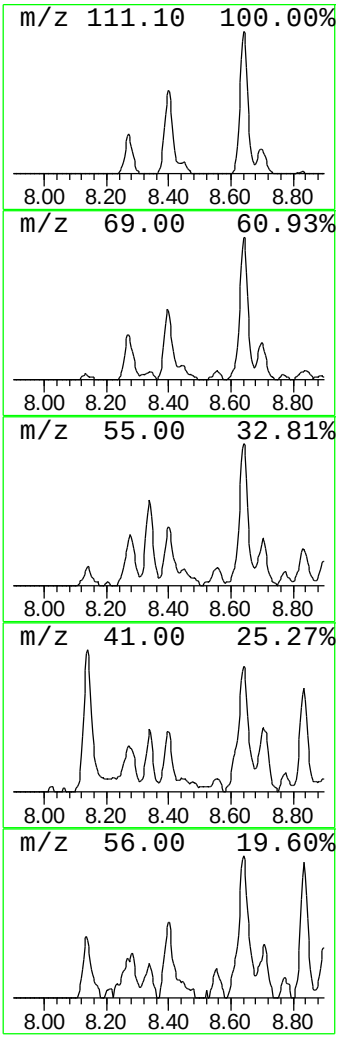
****

Peak Number 3 (DEL) Alkane: Cyclic8.40 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	3.40 ug/L	34033	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
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	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

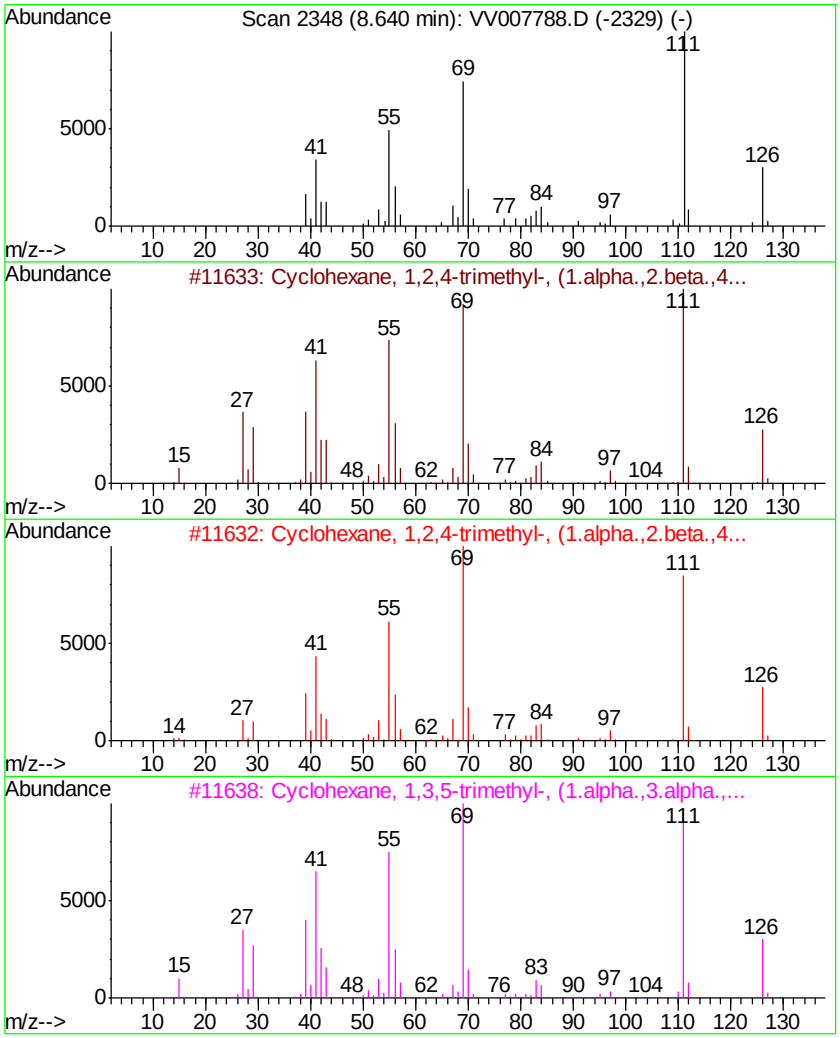
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

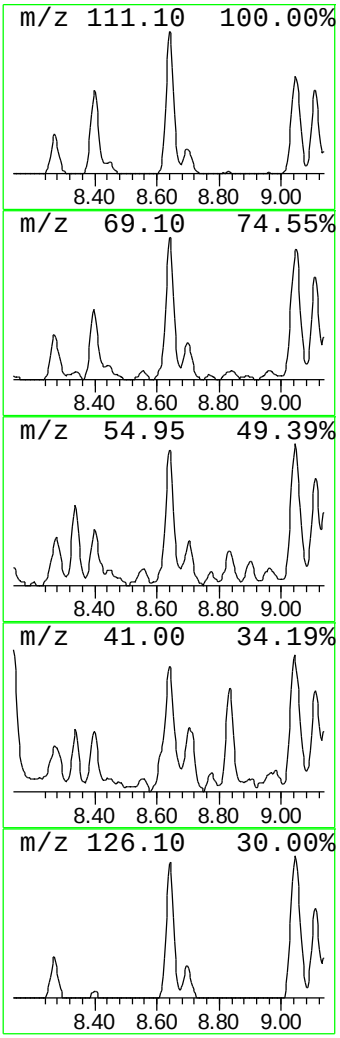
****

Peak Number 4 (DEL) Alkane: Cyclic8.64 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	10.26 ug/L	102852	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	83
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

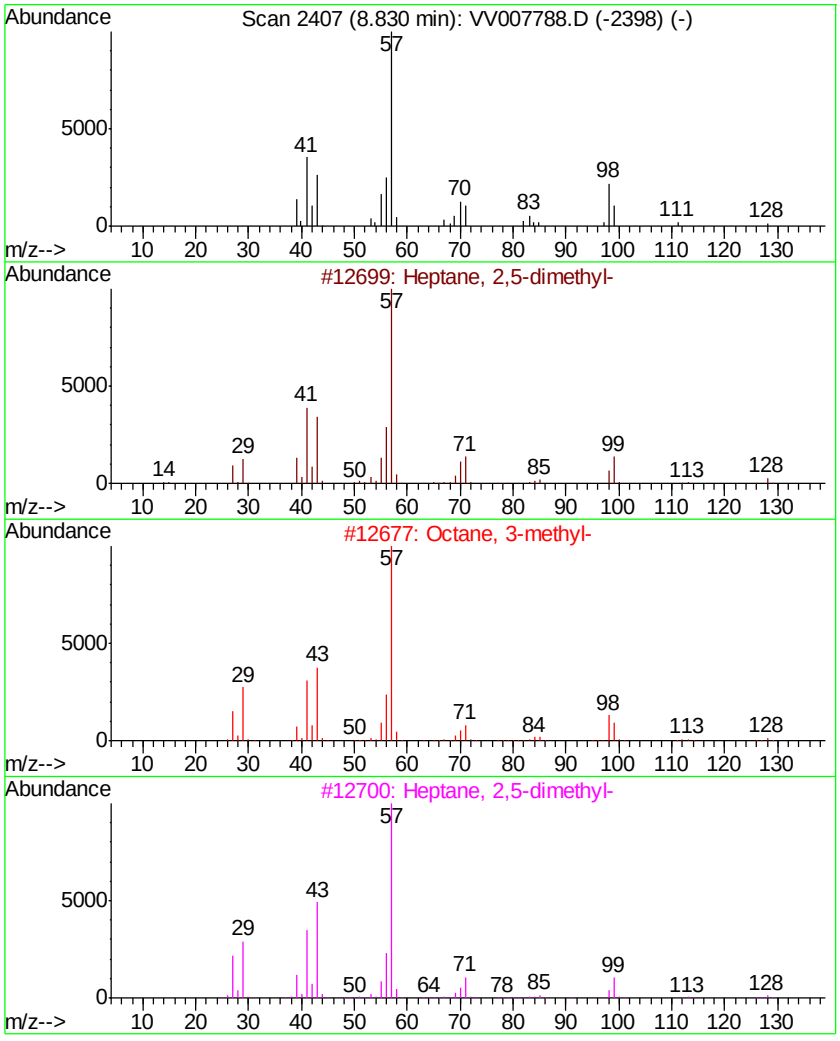
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

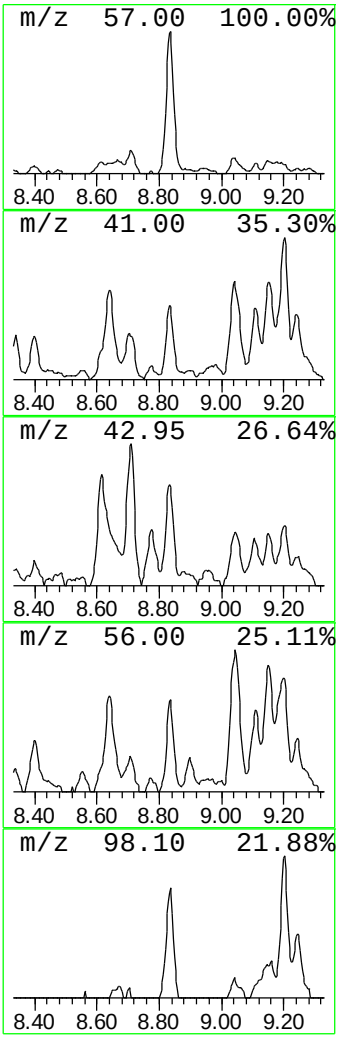
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	4.03 ug/L	40425	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
2	Octane, 3-methyl-	128	C9H20	002216-33-3	72
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
4	Octane, 3-methyl-	128	C9H20	002216-33-3	64
5	Heptane, 4-propyl-	142	C10H22	003178-29-8	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

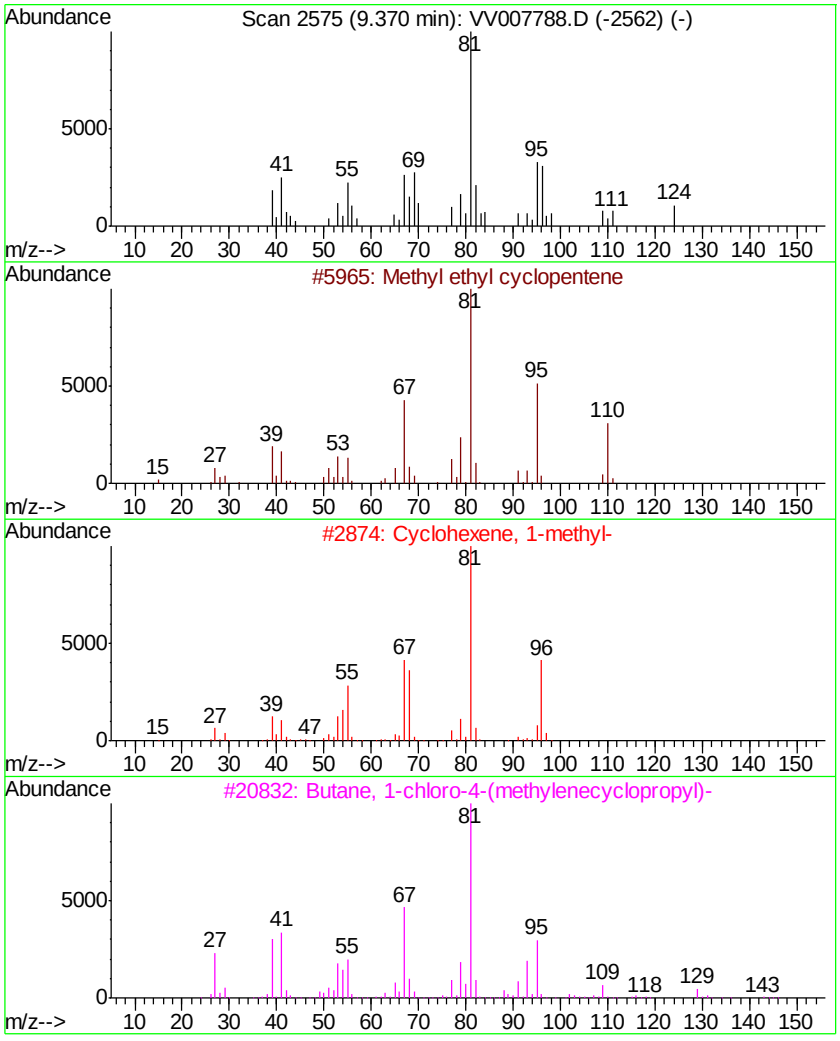
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

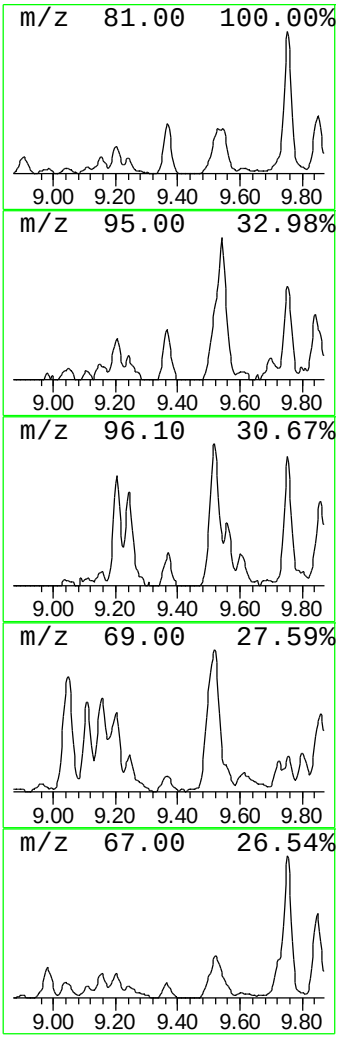
****

Peak Number 6 Methyl ethyl cyclopentene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	3.08 ug/L	30889	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	58
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	52
3	Butane, 1-chloro-4-(methylenecyc...	144	C8H13Cl	1000158-48-9	50
4	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	50
5	2-n-Butyl furan	124	C8H12O	004466-24-4	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

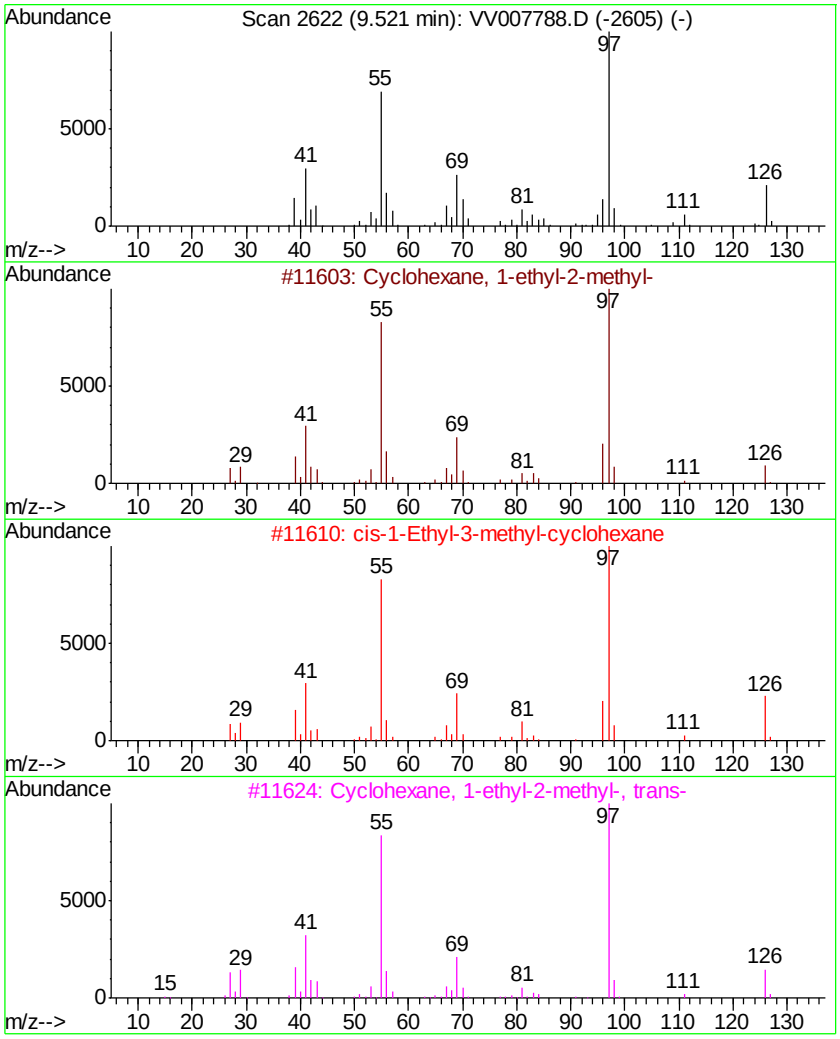
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

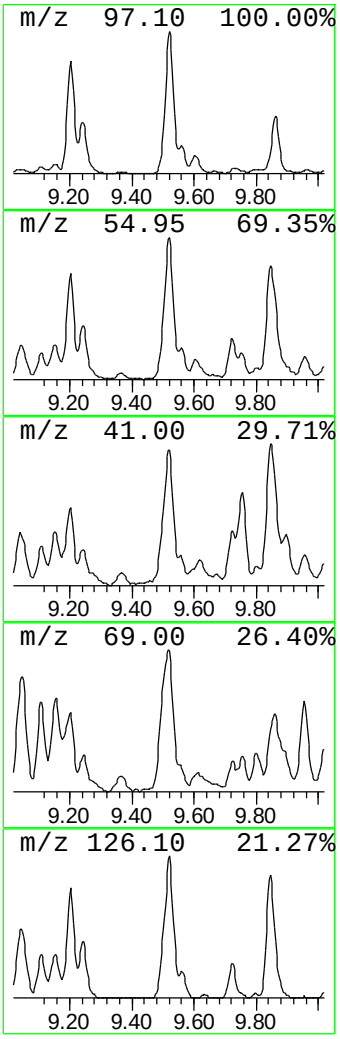
****

Peak Number 7 (DEL) Alkane: Cyclic9.52 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	33.62 ug/L	336965	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	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	74
4	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	72
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

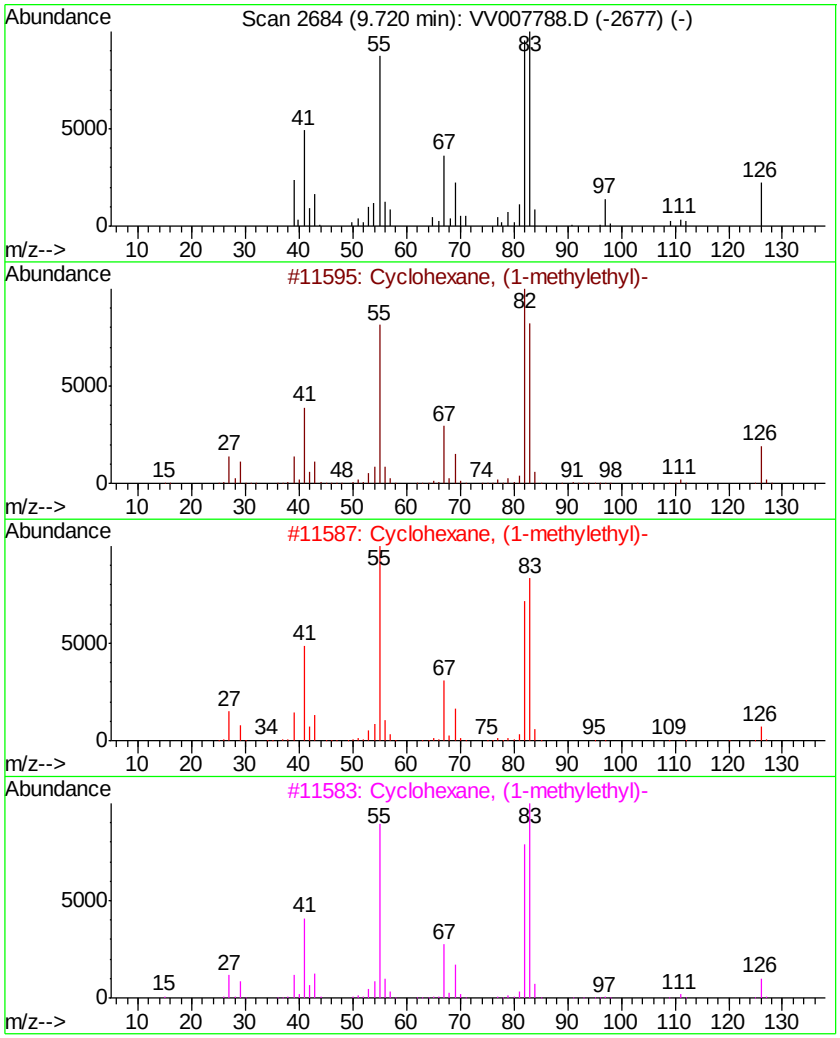
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

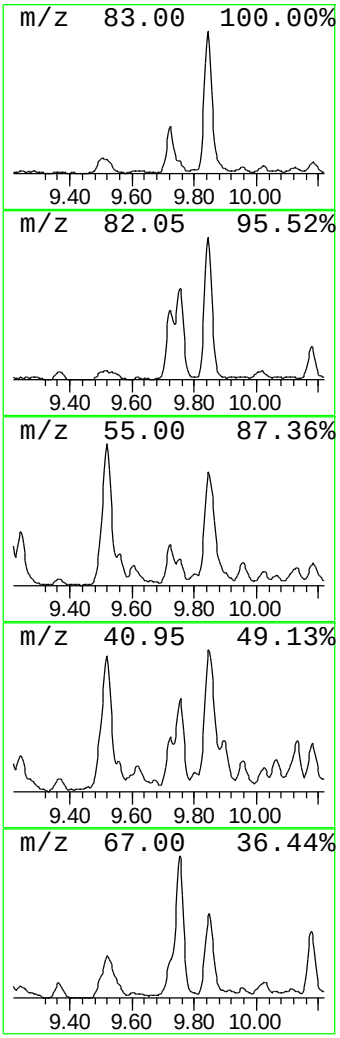
****

Peak Number 8 (DEL) Alkane: Cyclic9.72 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	5.24 ug/L	52540	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	90
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	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

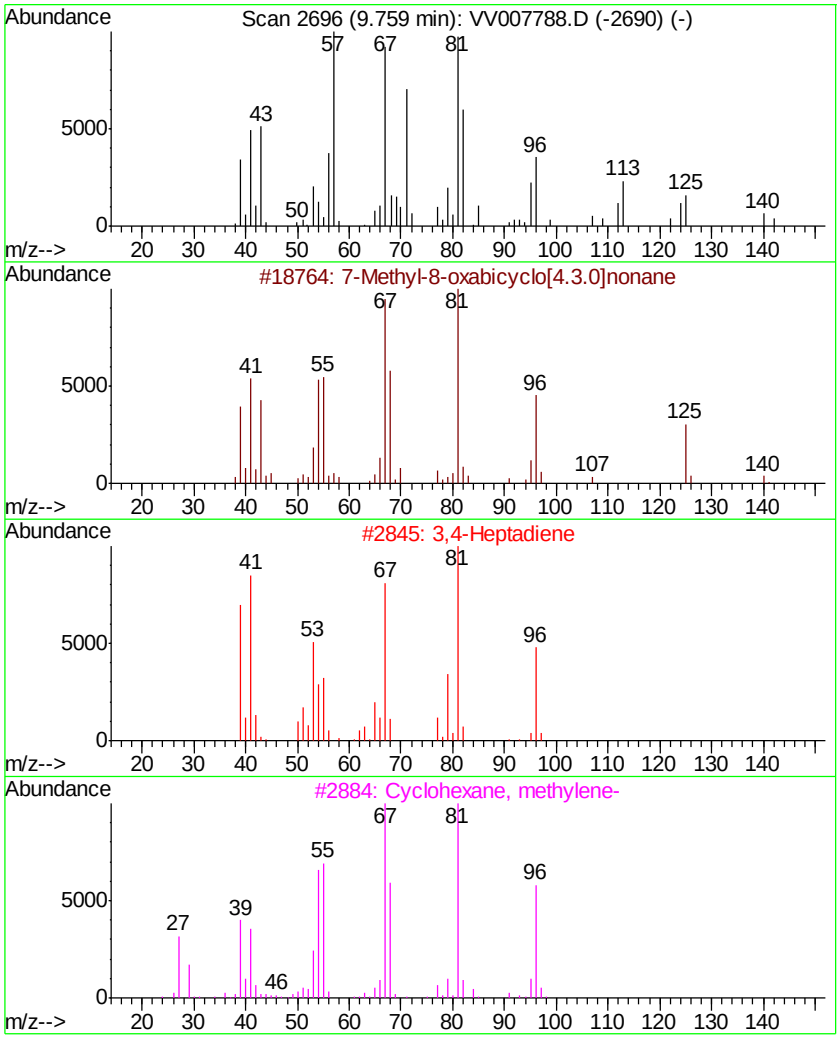
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

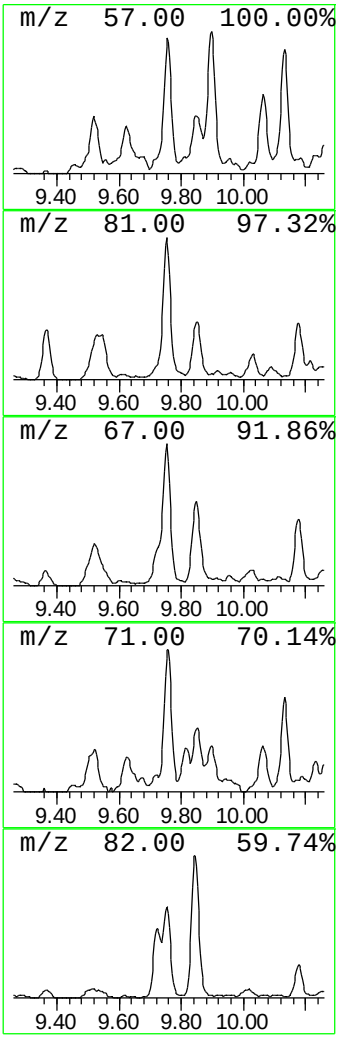
****

Peak Number 9 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	12.24 ug/L	122693	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methyl-8-oxabicyclo[4.3.0]nonane	140	C9H16O	1000216-87-6	49
2	3,4-Heptadiene	96	C7H12	002454-31-1	46
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	46
4	3,3-Tetramethyleneglutaric anhyd...	168	C9H12O3	005662-95-3	43
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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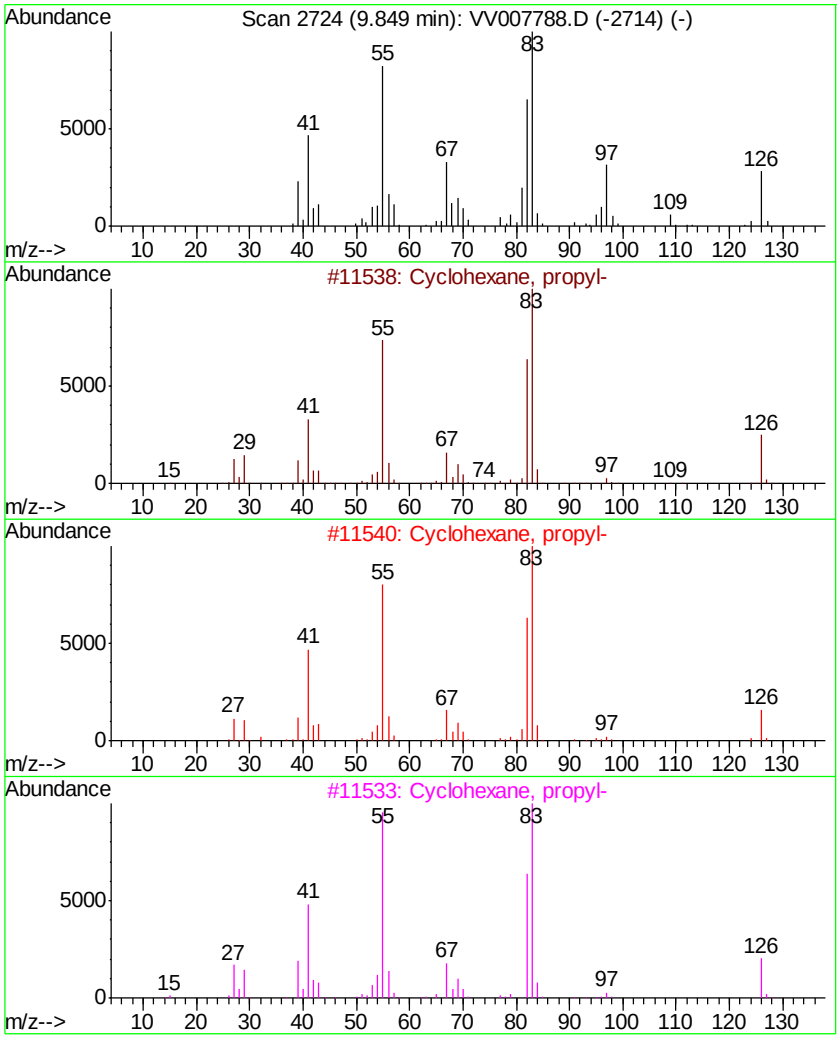
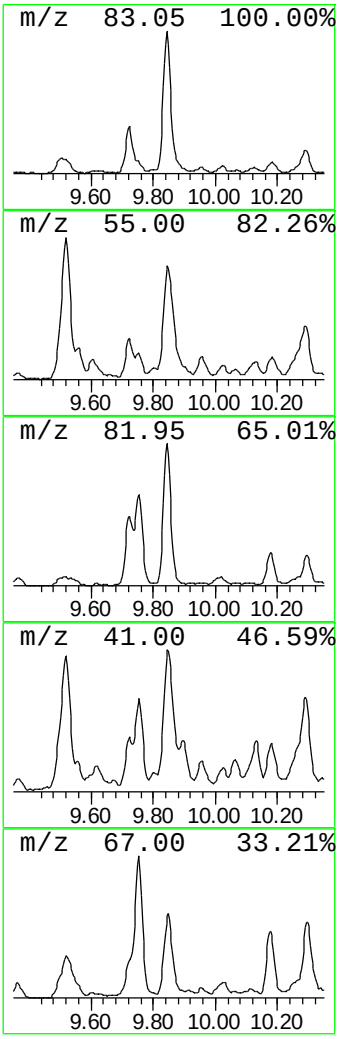
Peak Number 10 (DEL) Alkane: Cyclic9.85 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	22.97 ug/L	230235	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	93
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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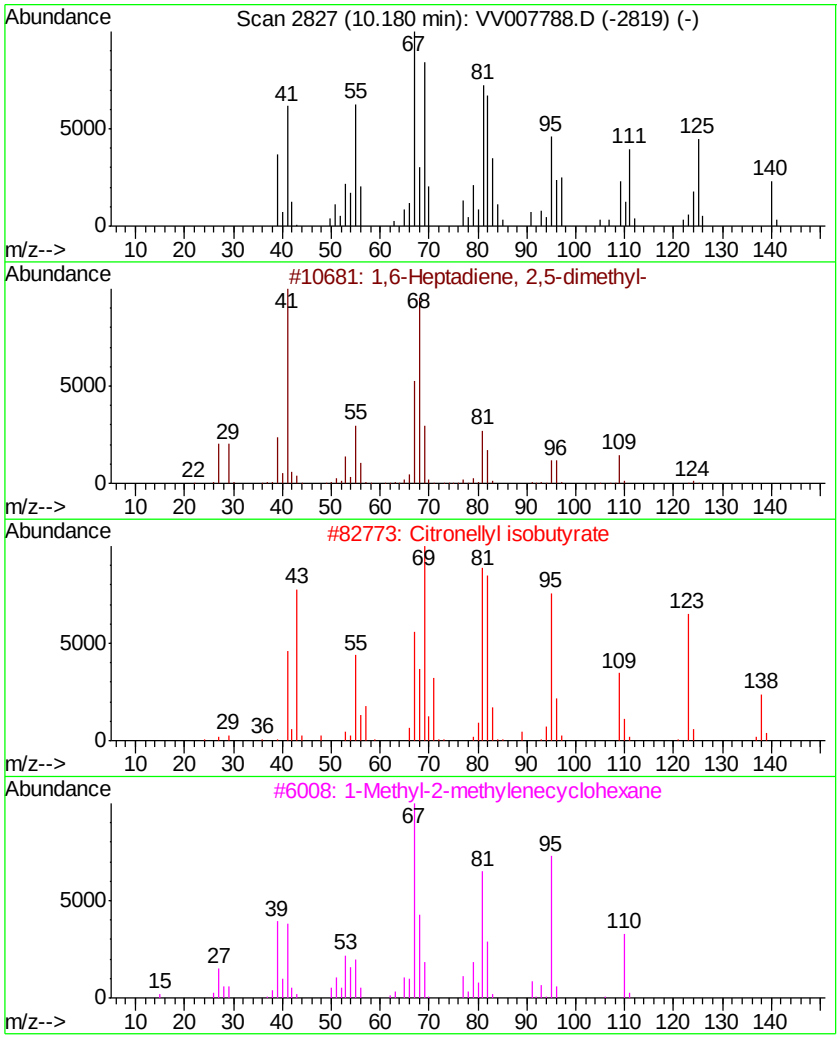
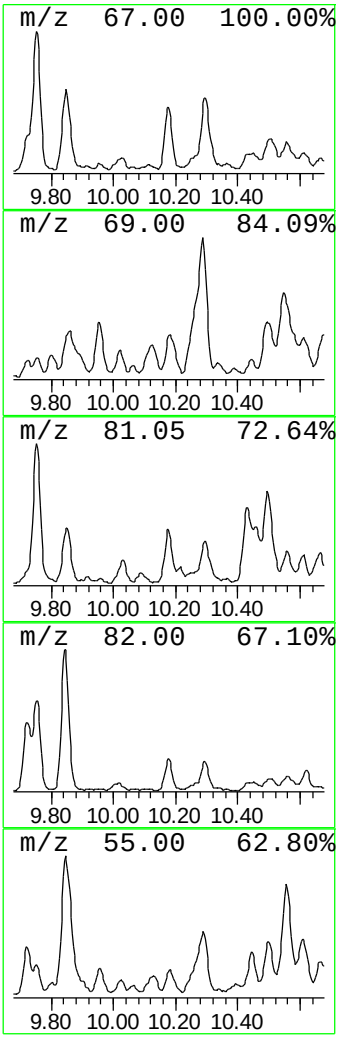
Peak Number 11 1,6-Heptadiene, 2,5-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	5.81 ug/L	69682	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Heptadiene, 2,5-dimethyl-	124	C9H16	068701-90-6	64
2	Citronellyl isobutyrate	226	C14H26O2	000097-89-2	58
3	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	49
4	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	49
5	7-Methyl-1,6-octadiene	124	C9H16	042152-47-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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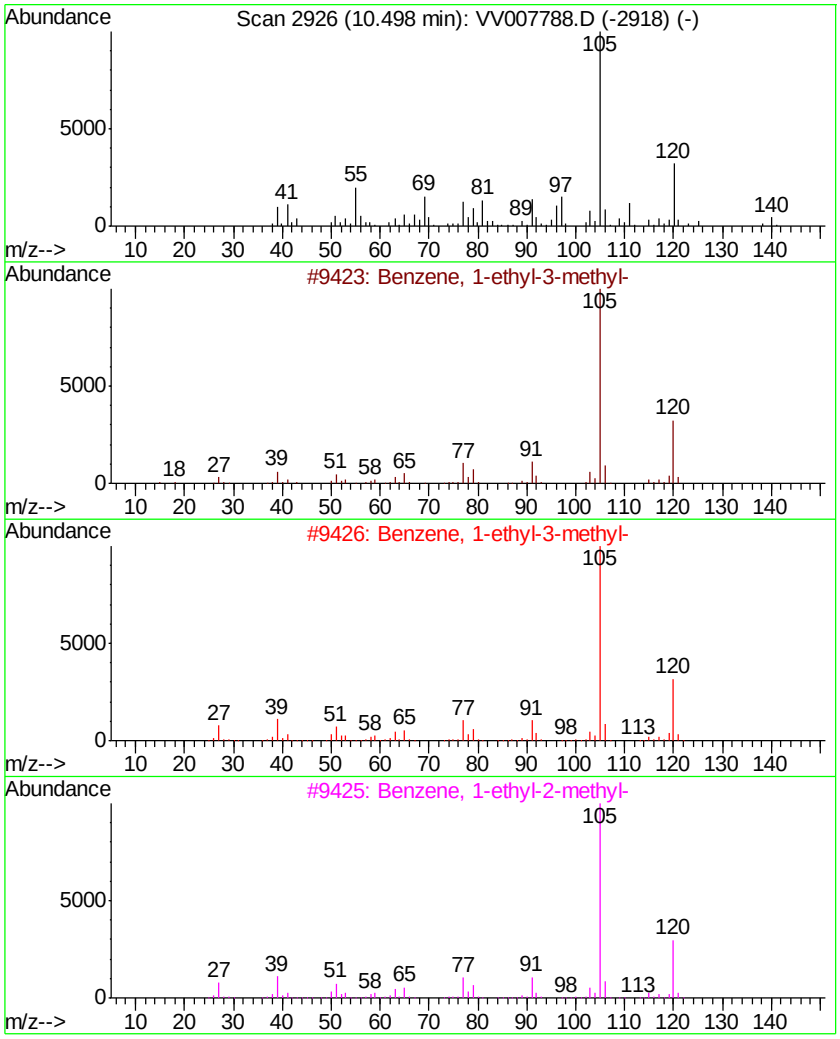
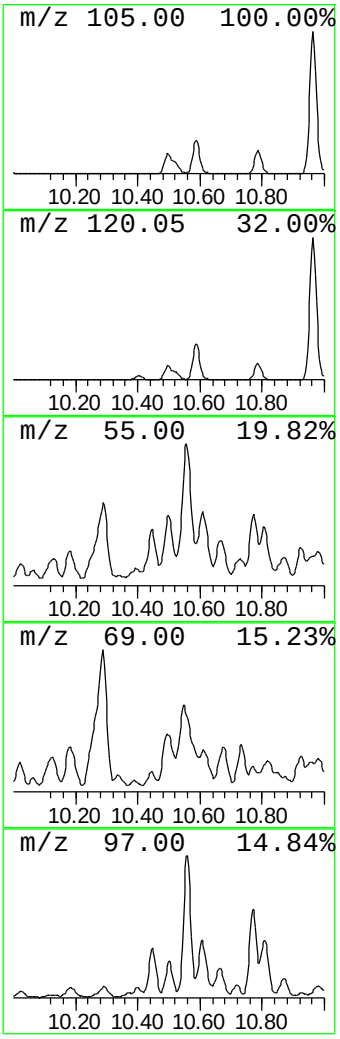
Peak Number 13 Benzene, 1-ethyl-3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	17.33 ug/L	207839	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	89
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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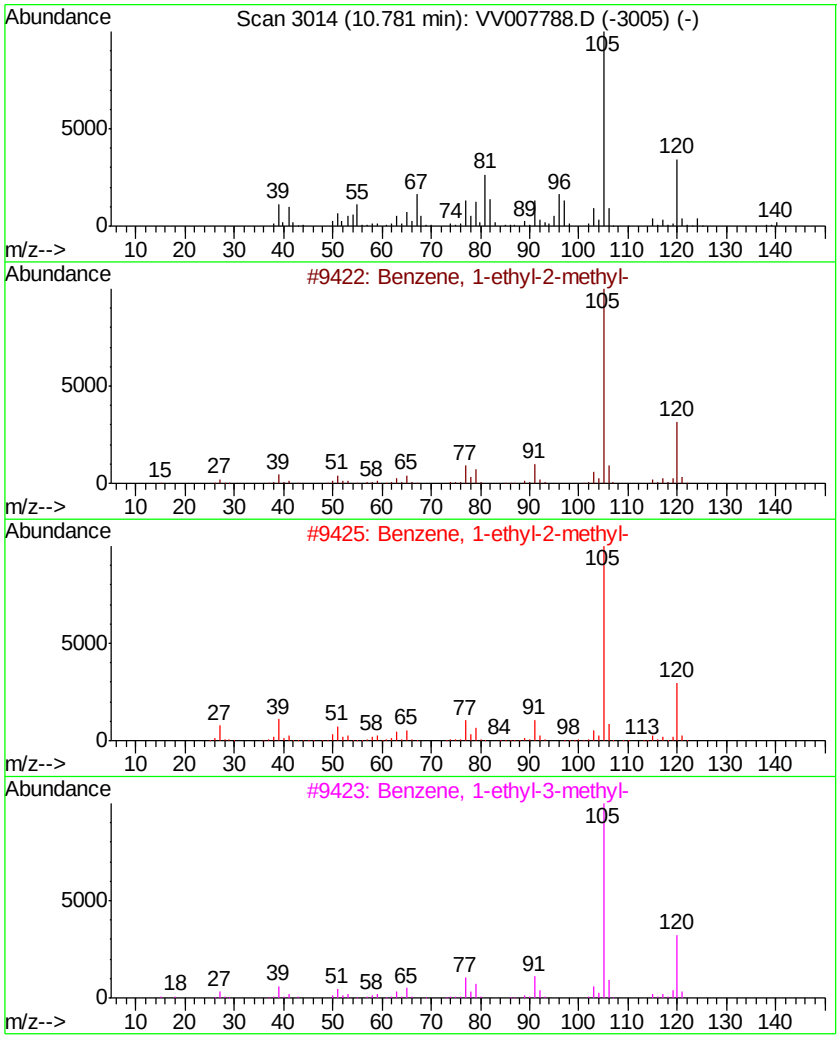
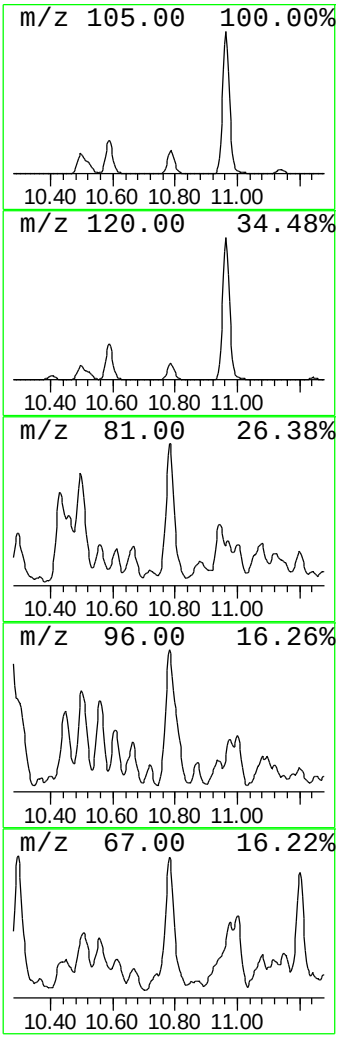
Peak Number 14 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	21.47 ug/L	257505	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Mesitylene	120	C9H12	000108-67-8	81
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

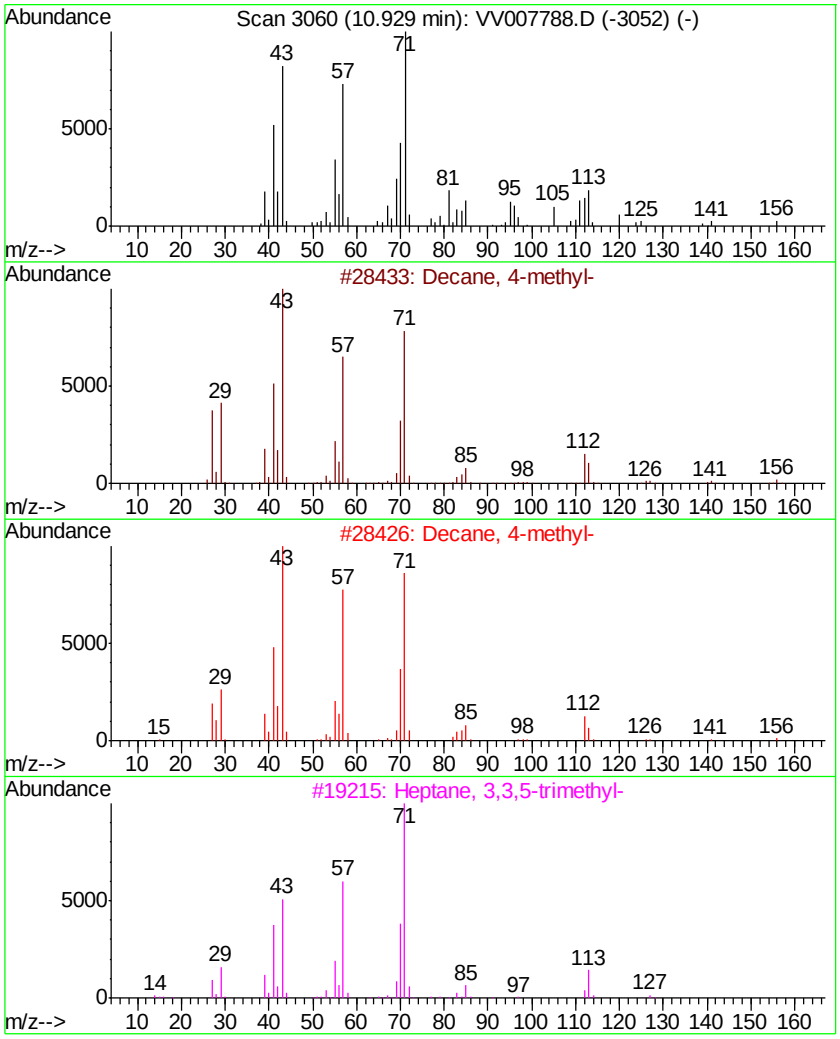
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

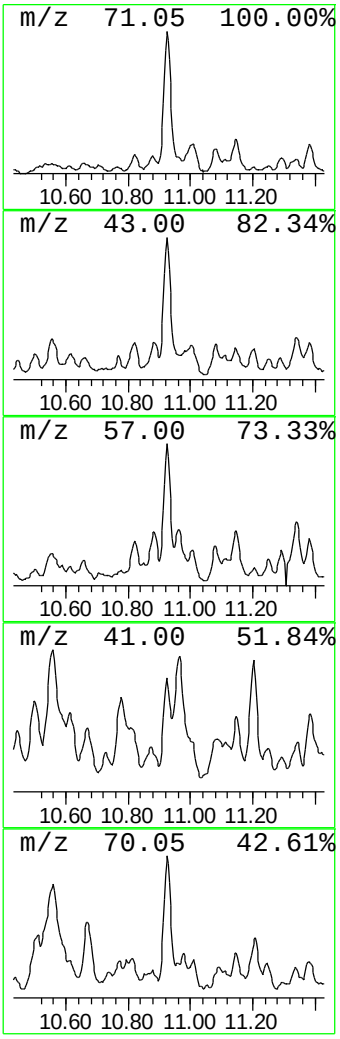
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	4.60 ug/L	55237	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	81
2	Decane, 4-methyl-	156	C11H24	002847-72-5	80
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
4	Decane, 4-methyl-	156	C11H24	002847-72-5	64
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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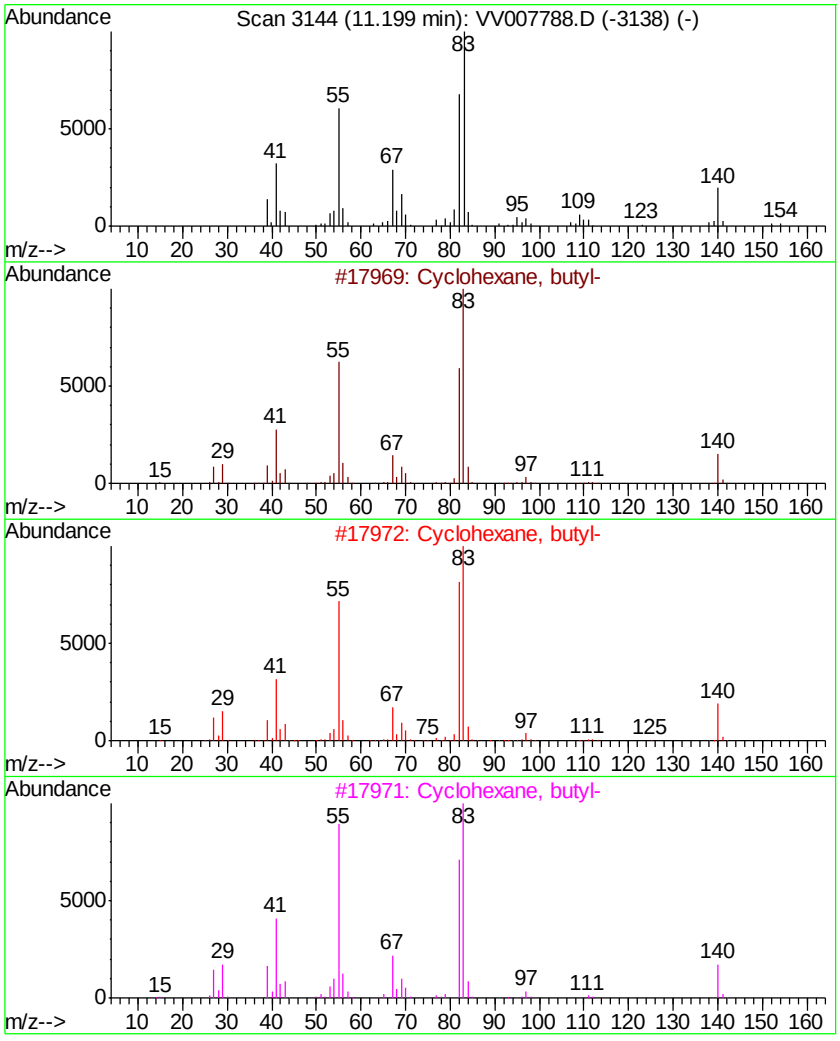
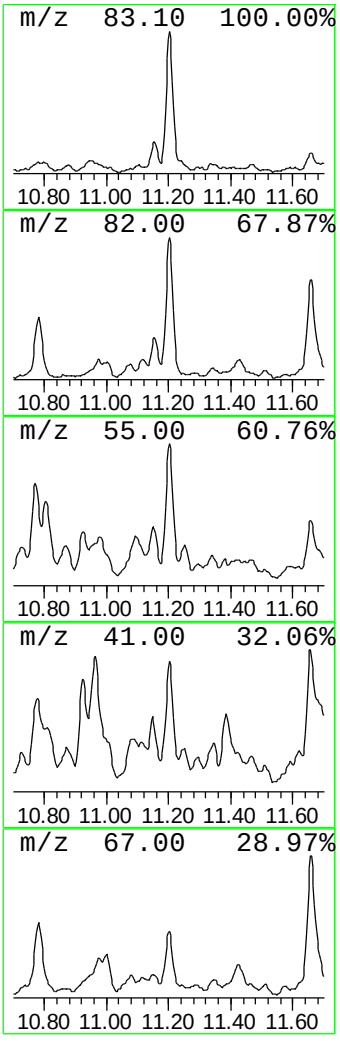
Peak Number 17 (DEL) Alkane: Cyclic11.20 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	7.03 ug/L	84376	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

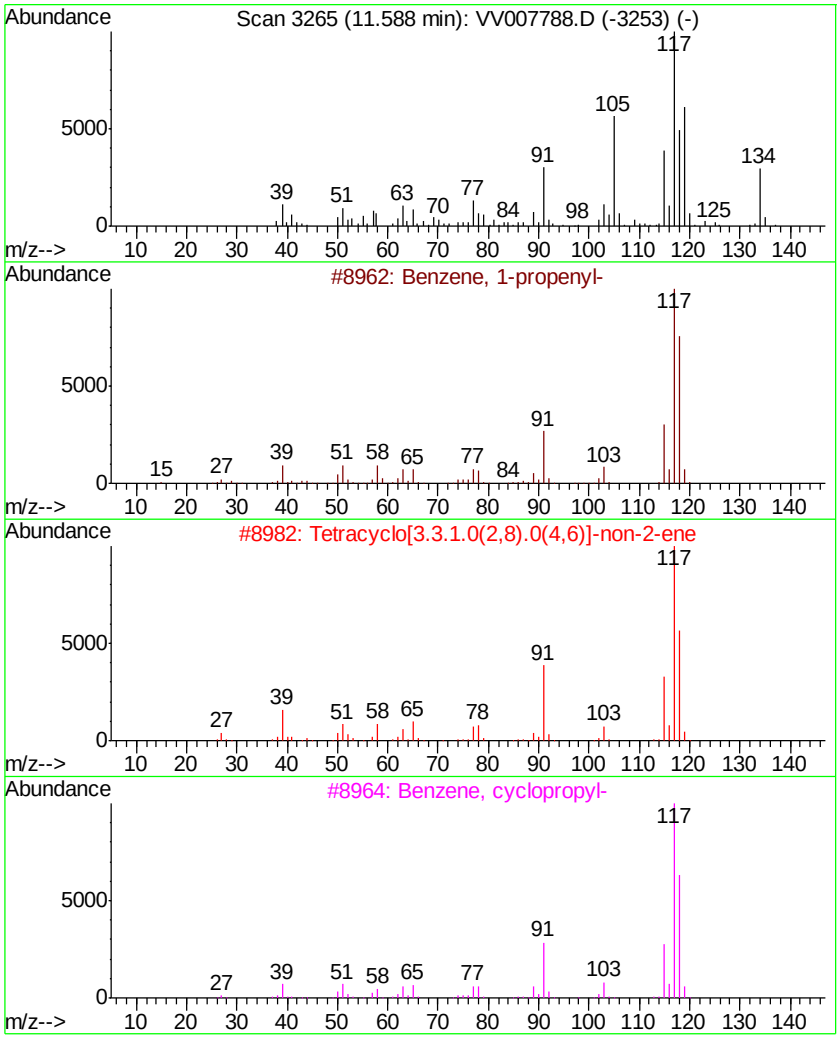
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

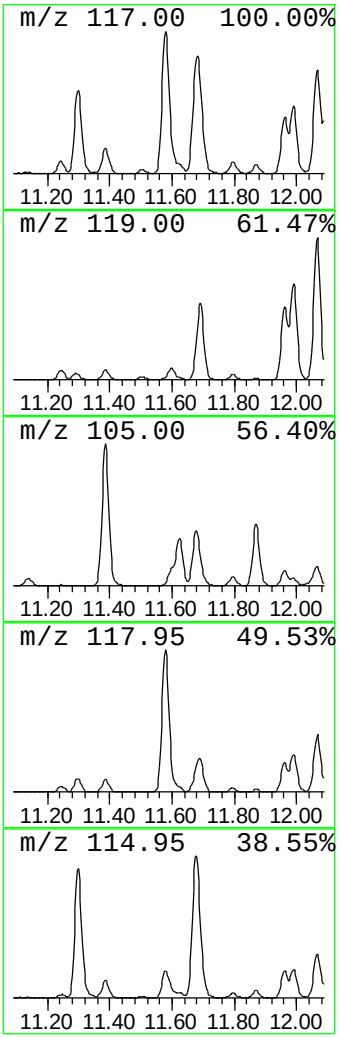
****

Peak Number 19 Benzene, 1-propenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	16.58 ug/L	198906	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	87
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	55
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	50
5	Indane	118	C9H10	000496-11-7	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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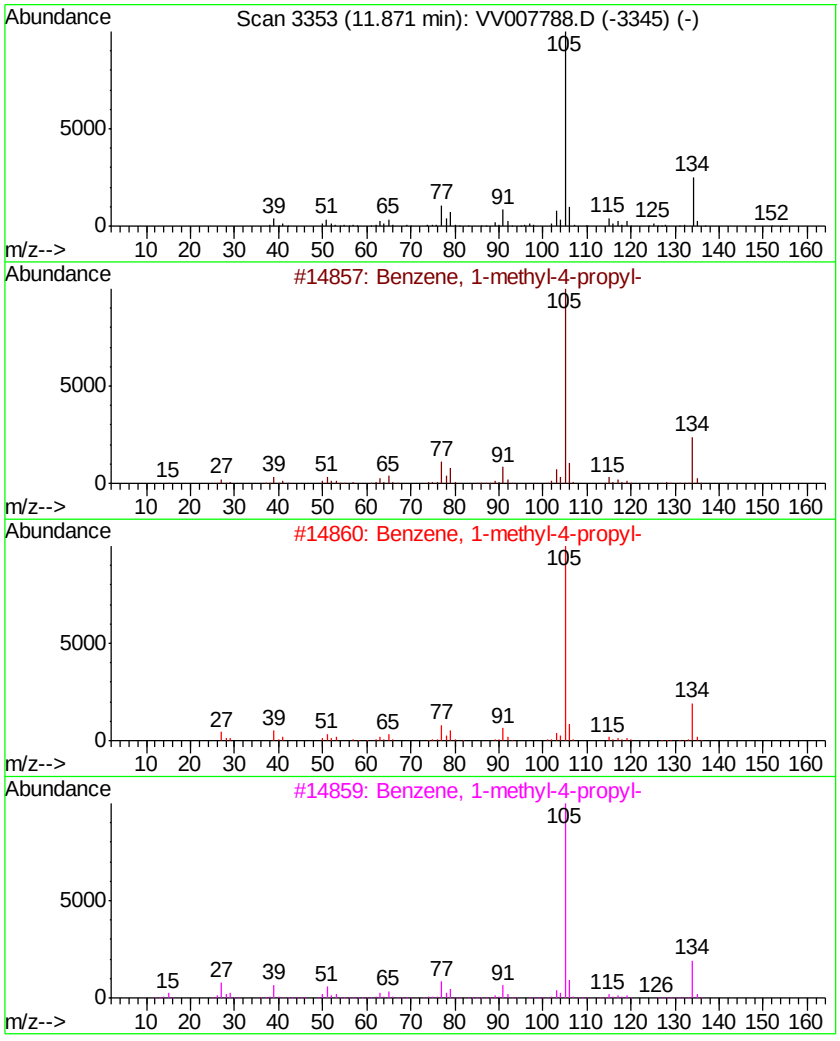
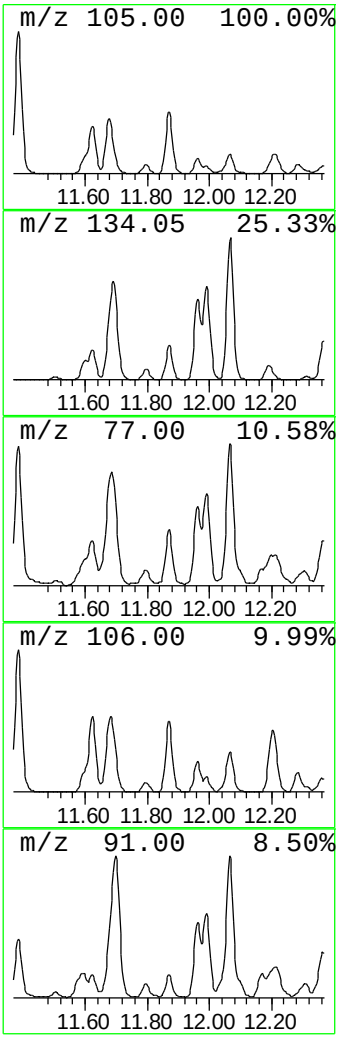
Peak Number 20 Benzene, 1-methyl-4-propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	15.74 ug/L	188807	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	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91





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Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

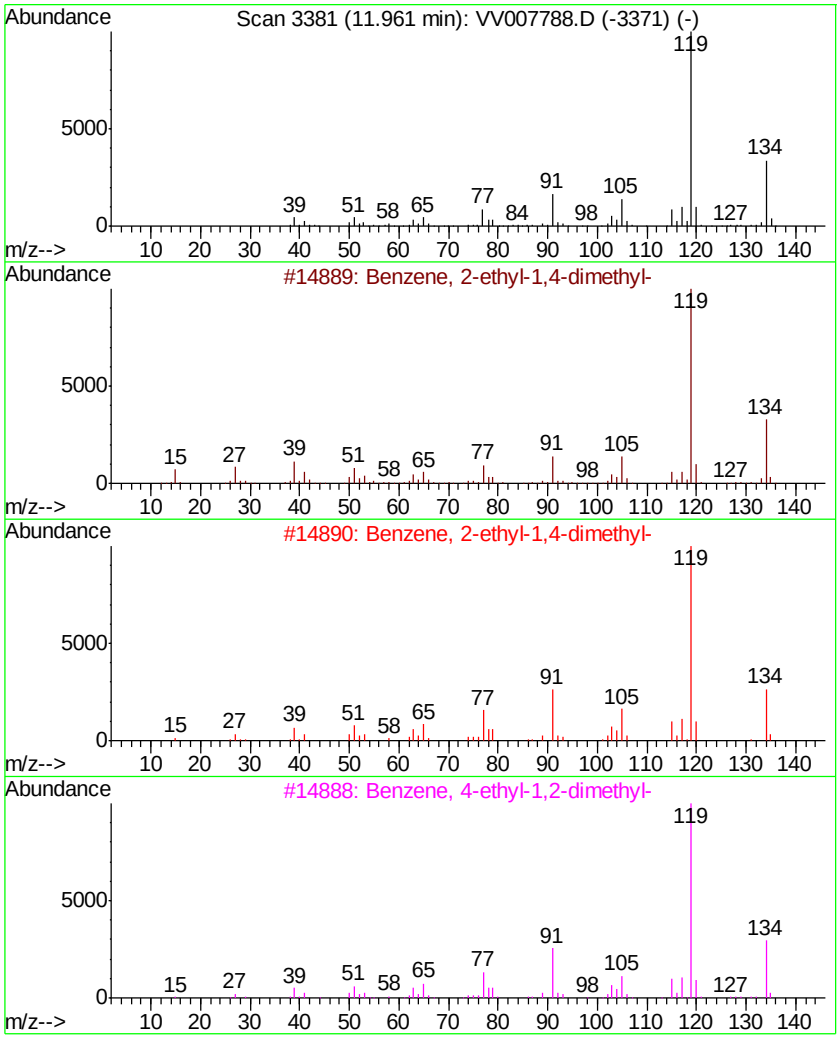
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

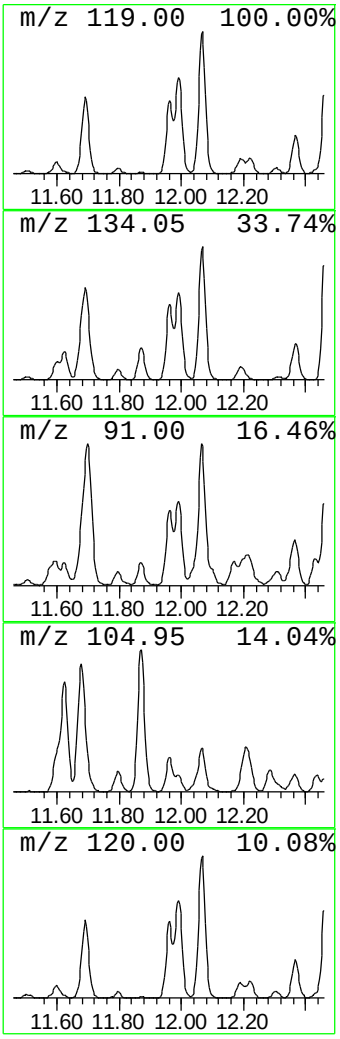
****

Peak Number 21 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	28.59 ug/L	342998	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

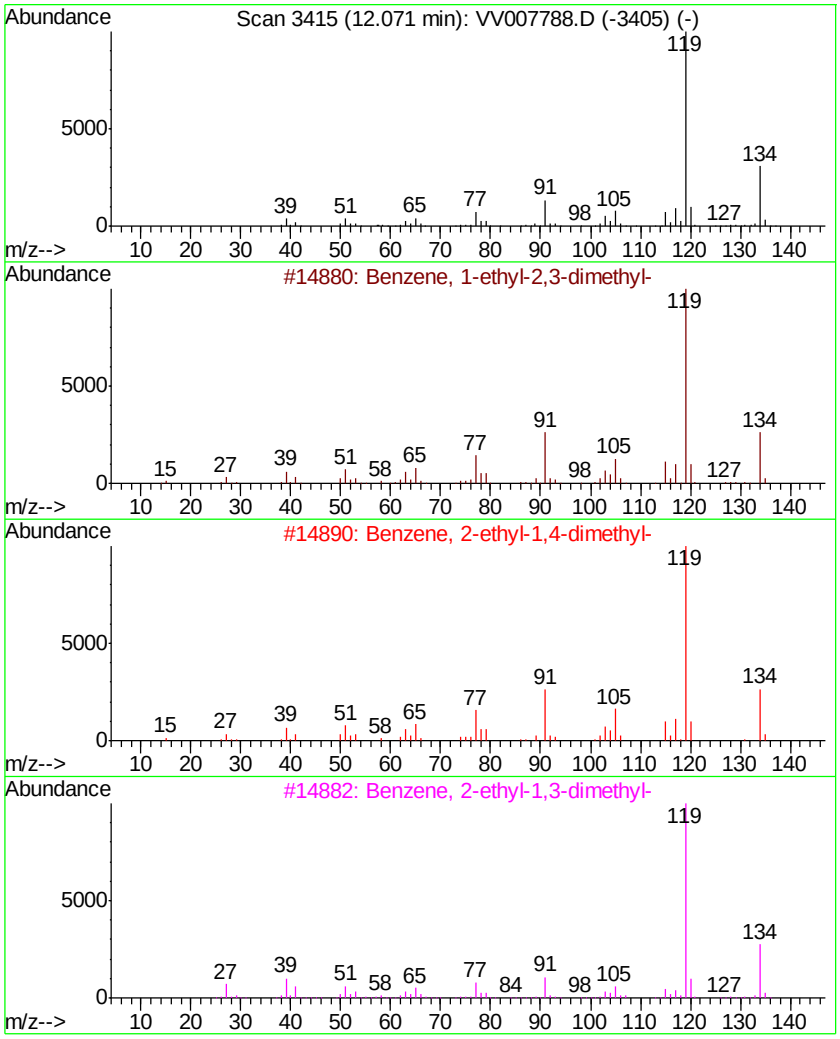
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

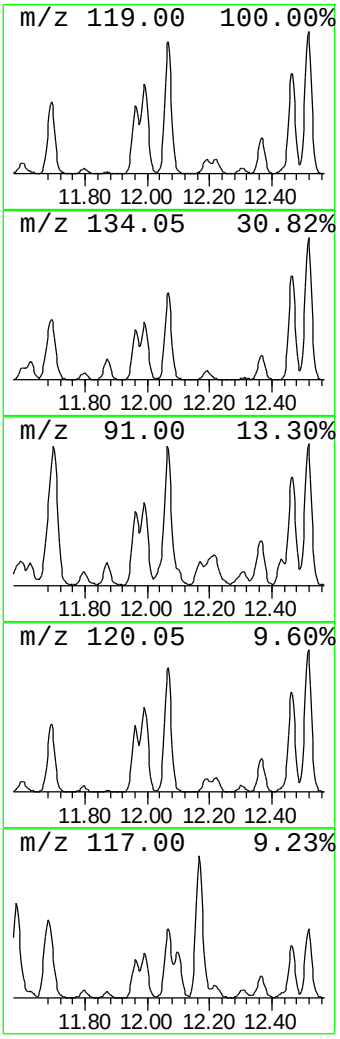
****

Peak Number 22 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	58.85 ug/L	705962	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

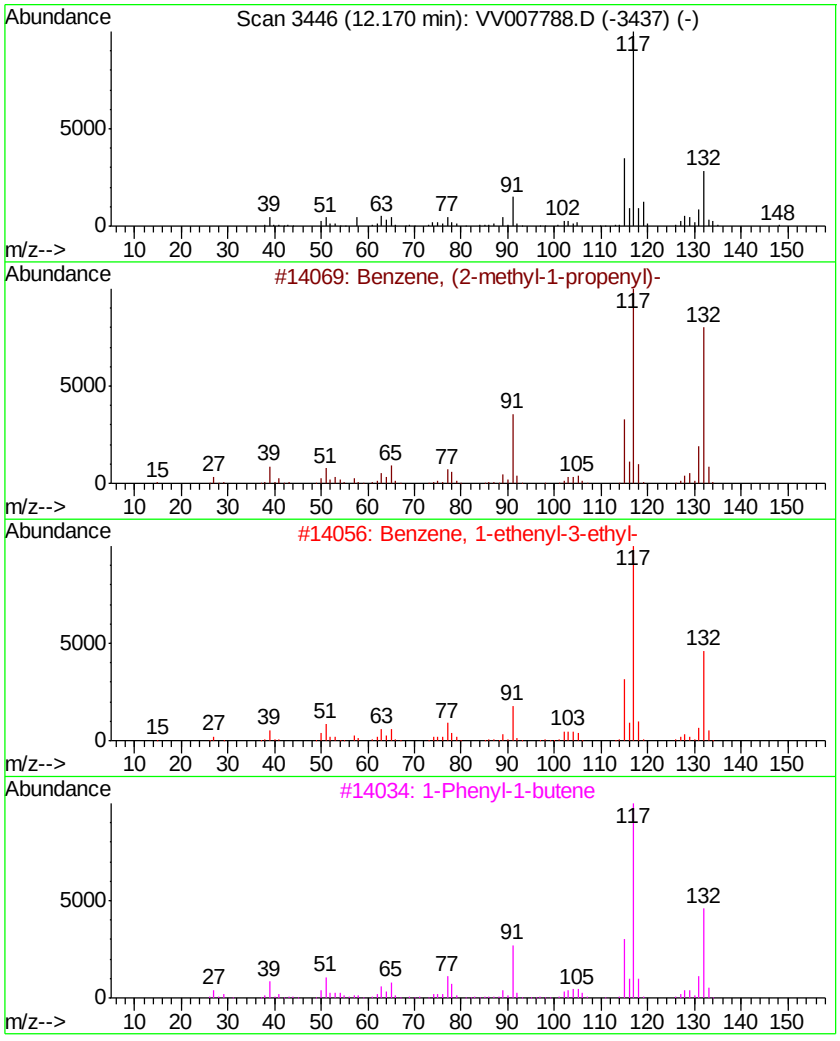
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

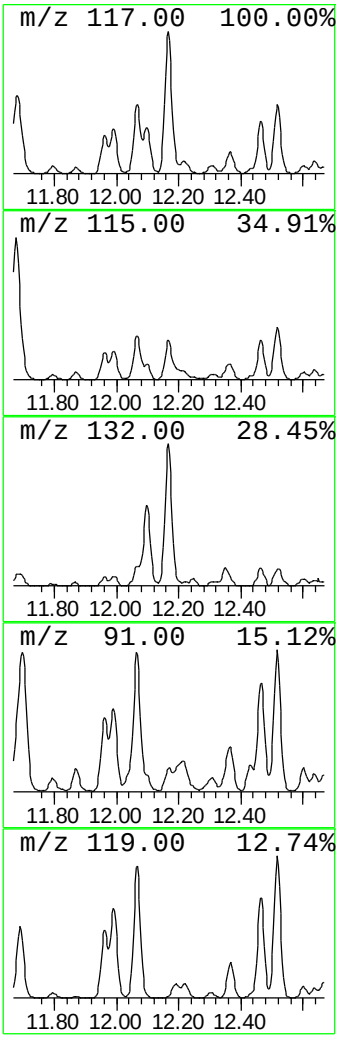
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Benzene, (2-methyl-1-propen... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	11.34 ug/L	136060	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

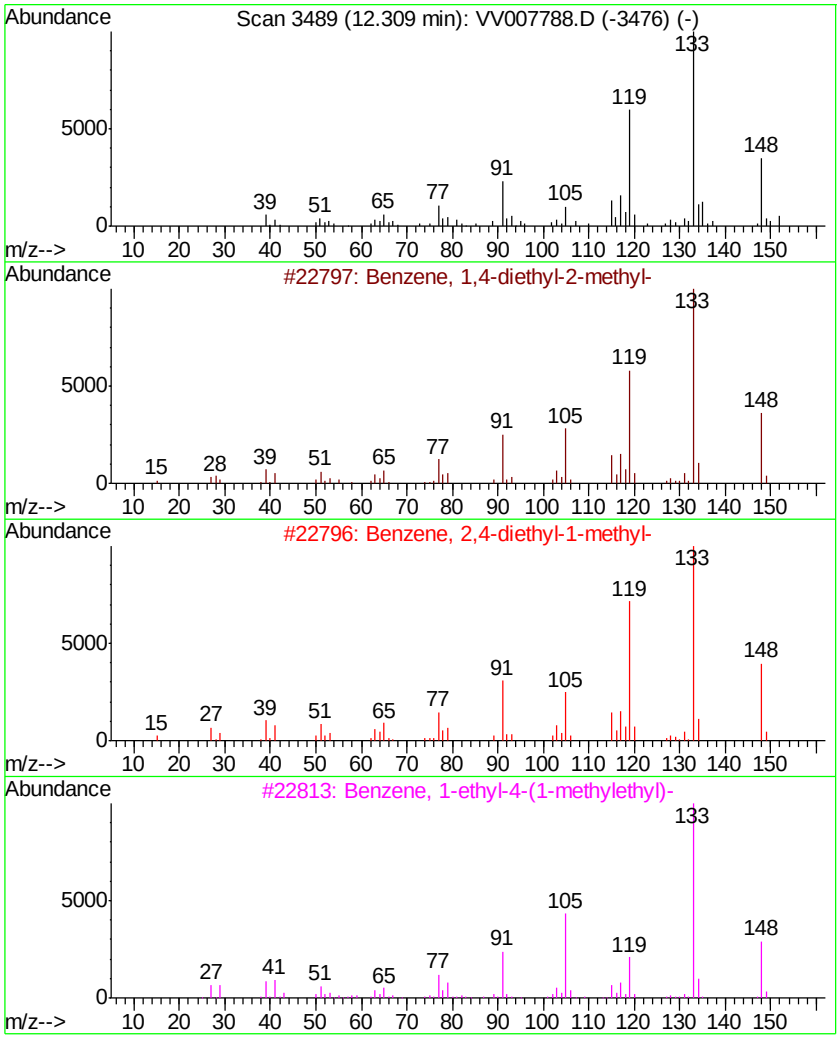
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

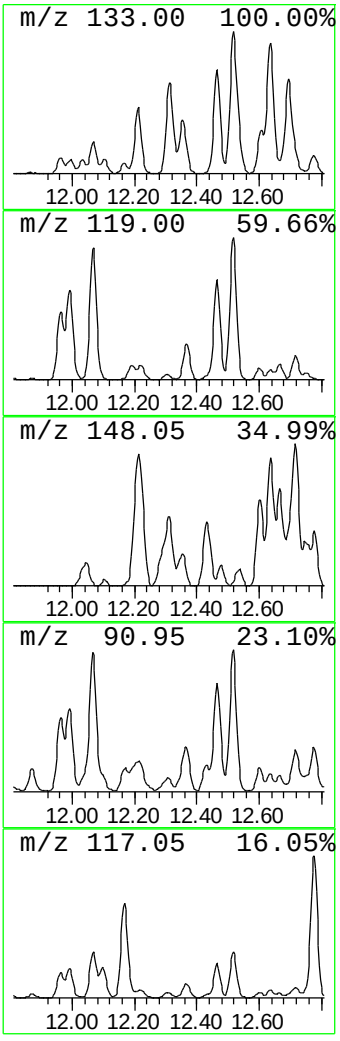
****

Peak Number 24 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	7.60 ug/L	91196	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	93
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	93
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	72
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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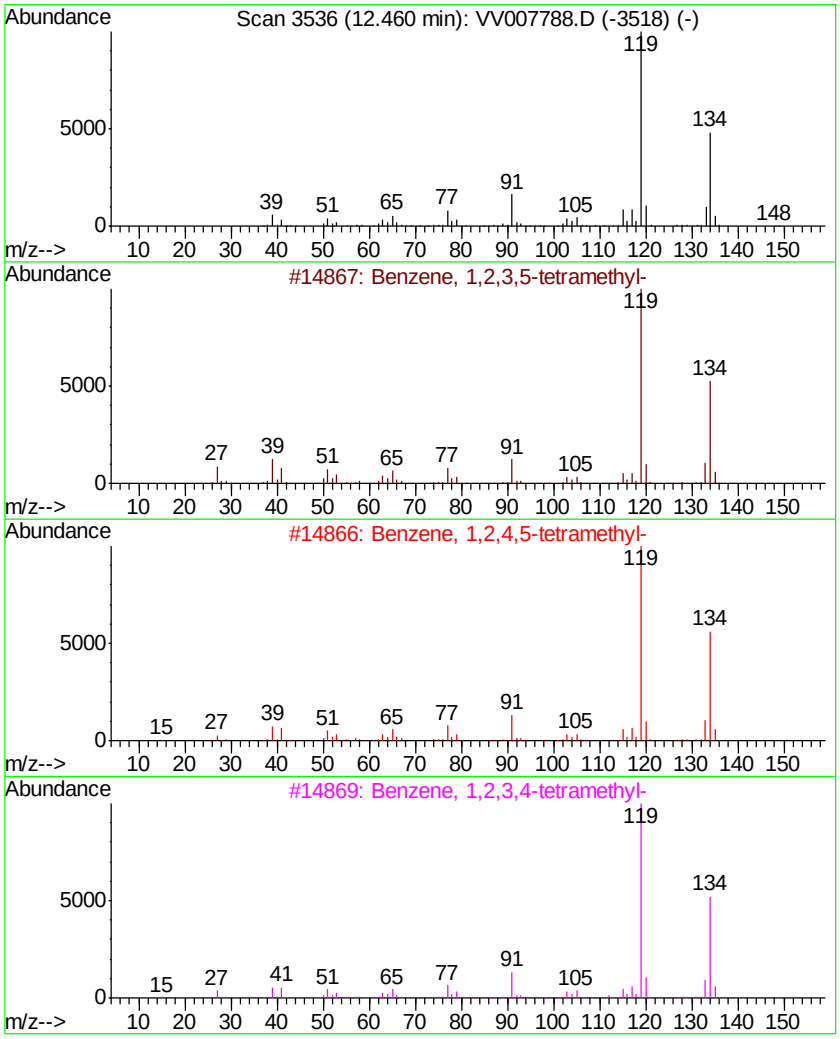
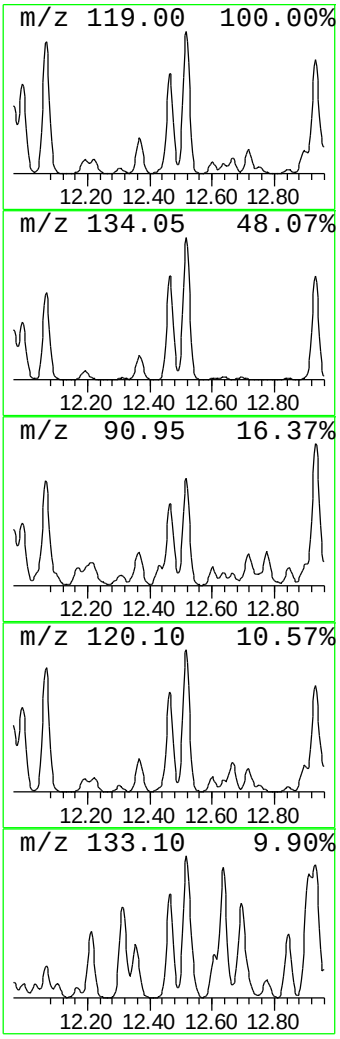
Peak Number 26 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	50.61 ug/L	607111	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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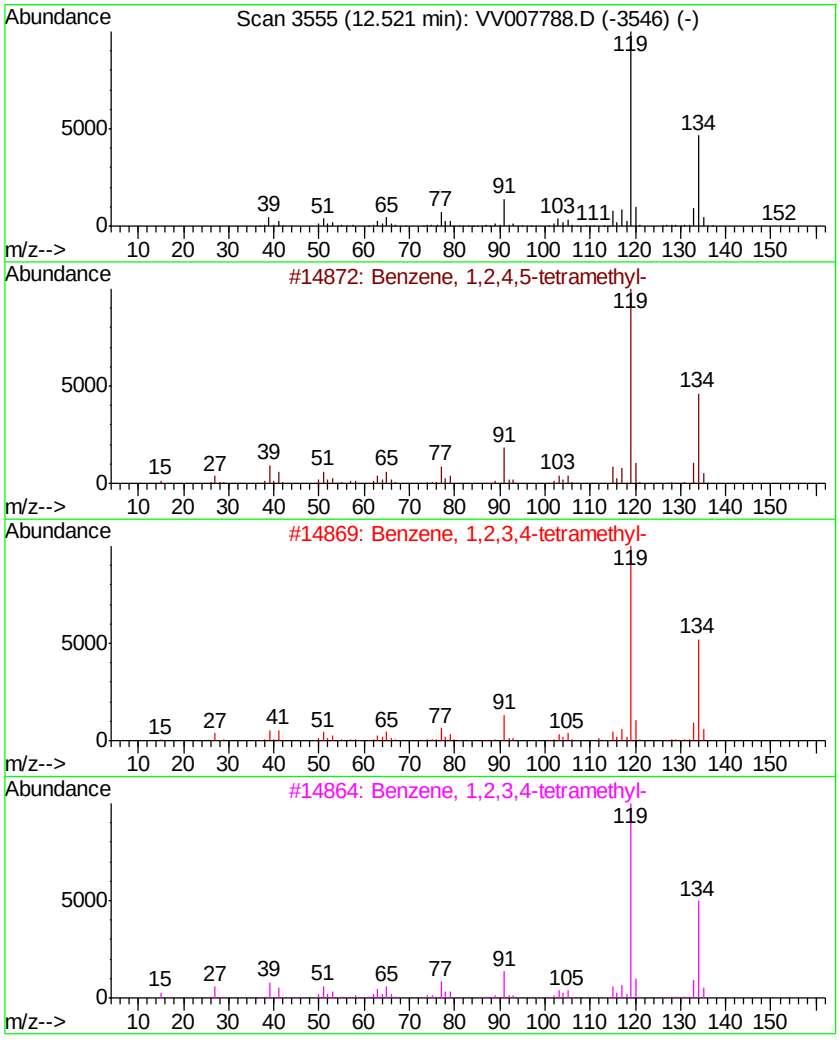
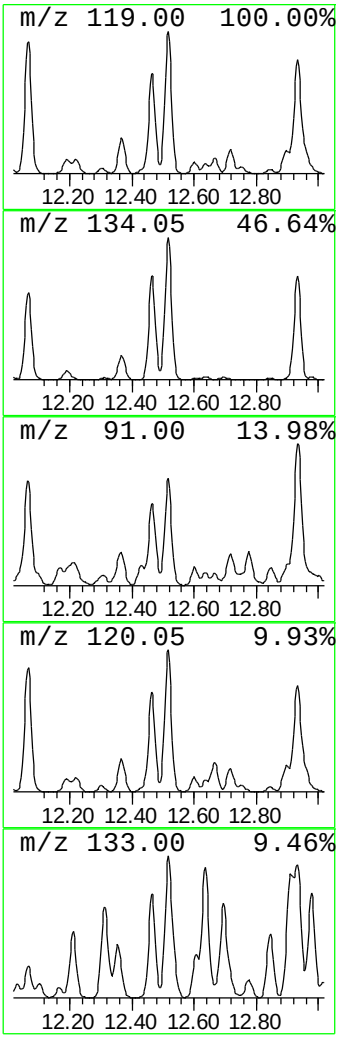
Peak Number 27 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	62.39 ug/L	748447	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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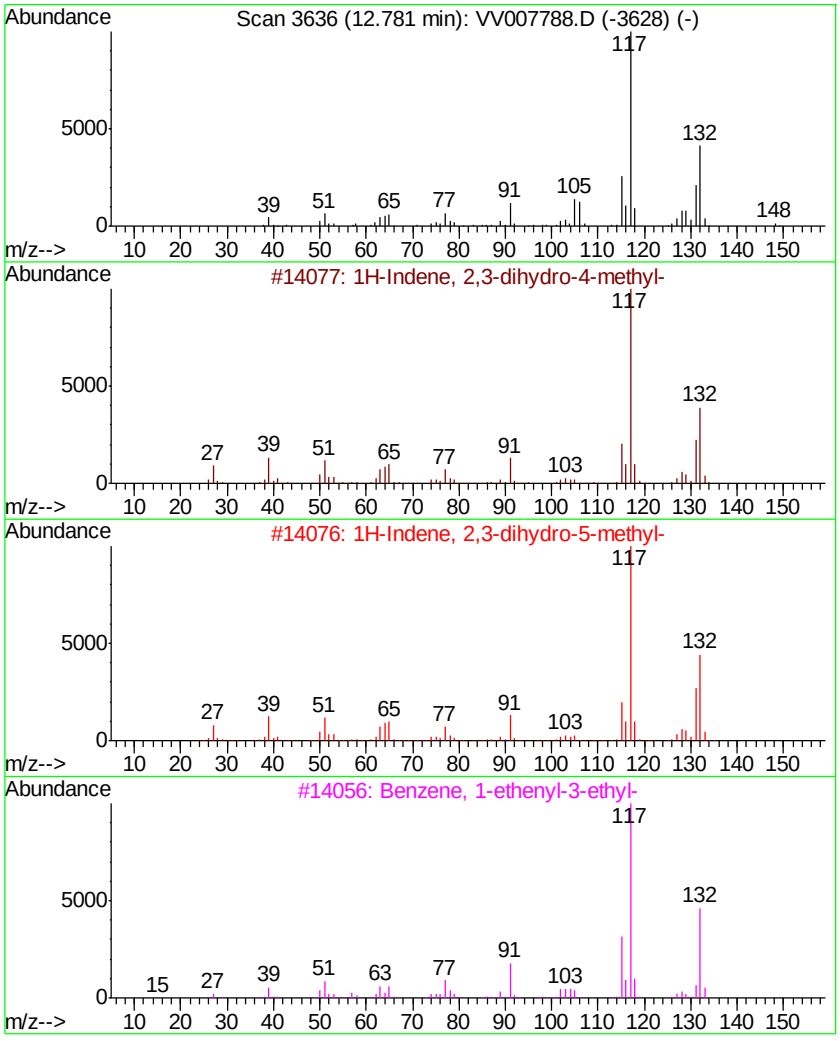
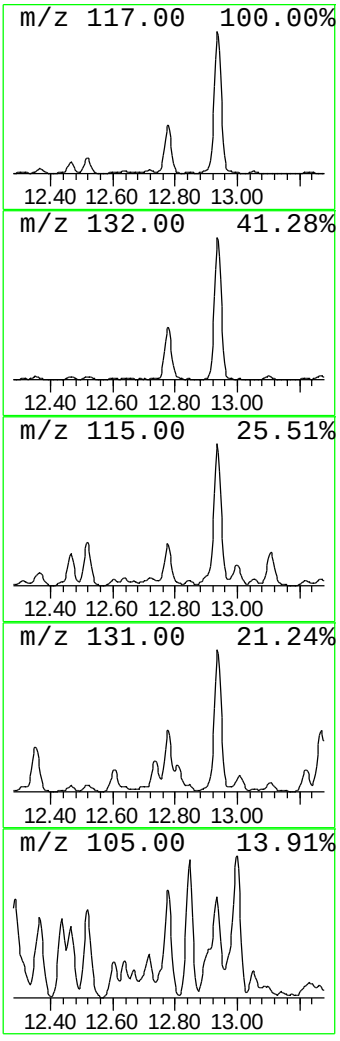
Peak Number 29 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	21.26 ug/L	255049	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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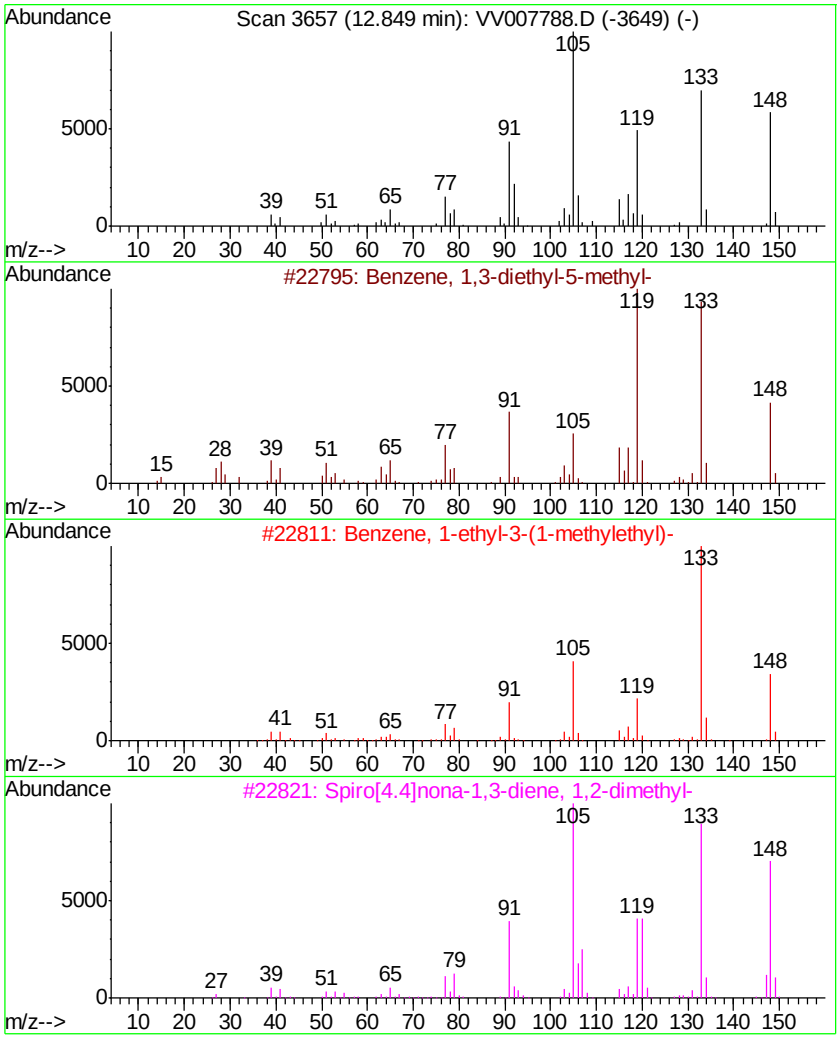
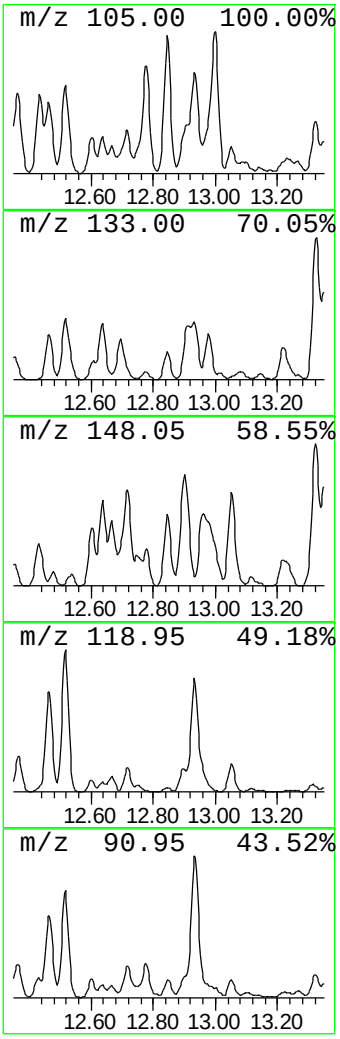
Peak Number 30 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	5.11 ug/L	61299	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	76
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	68
3	Spiro[4.4]nona-1,3-diene, 1,2-di...	148	C11H16	1000163-57-6	64
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
5	2-Allyl-4-methylphenol	148	C10H12O	006628-06-4	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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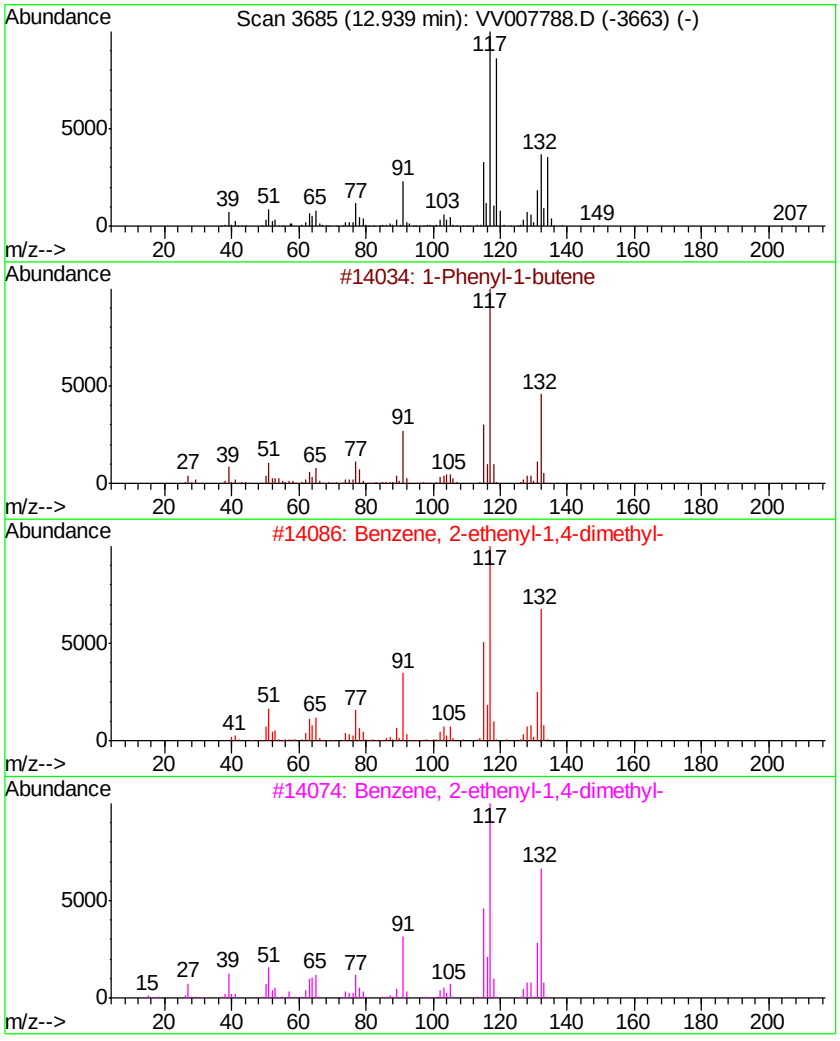
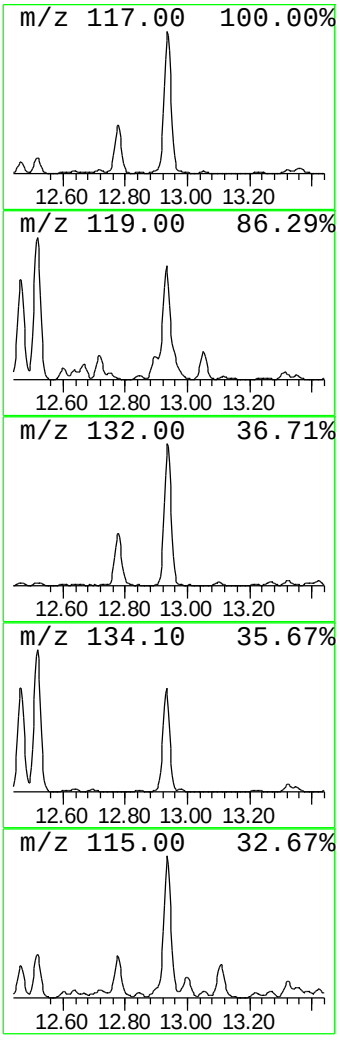
Peak Number 31 1-Phenyl-1-butene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	120.47 ug/L	1445210	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	89
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	83
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

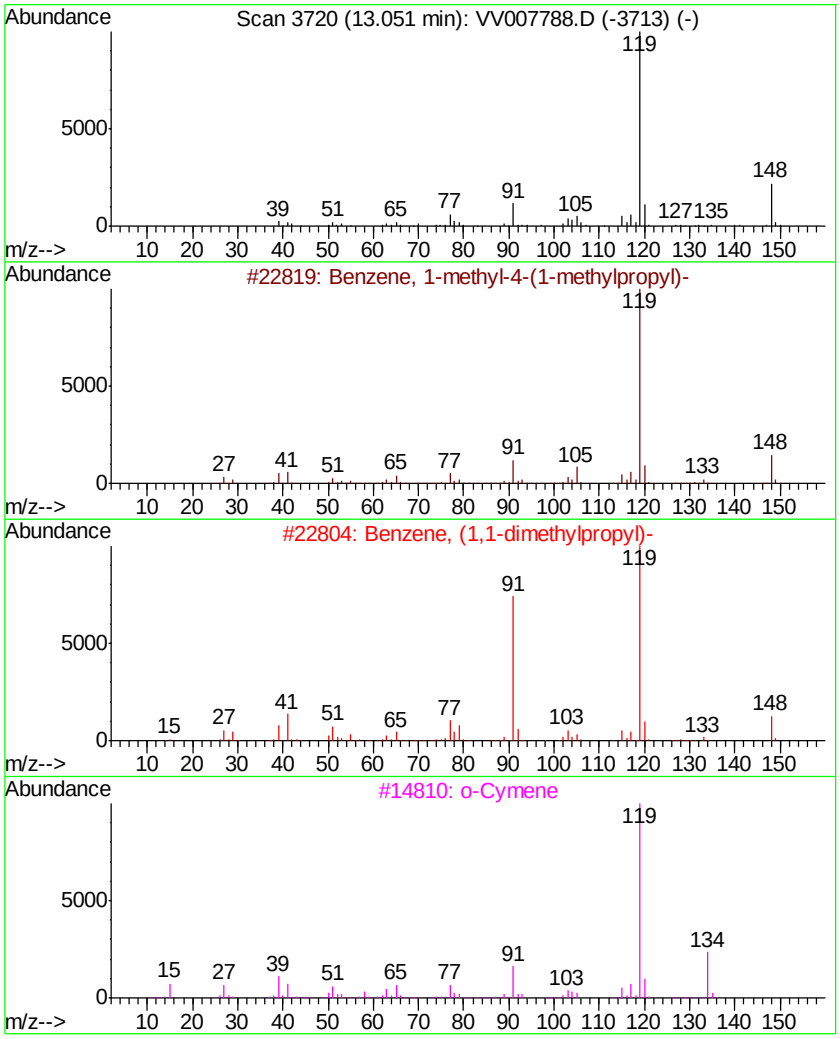
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

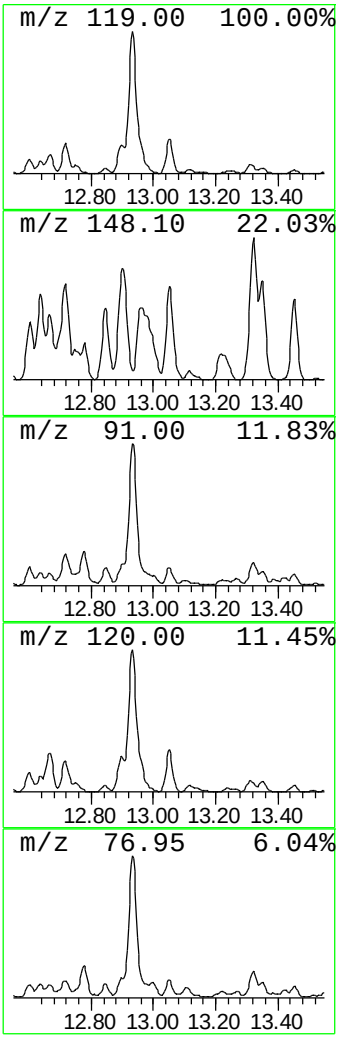
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1-methyl-4-(1-meth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	7.77 ug/L	93237	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	83
3	o-Cymene	134	C10H14	000527-84-4	72
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	72
5	p-Cymene	134	C10H14	000099-87-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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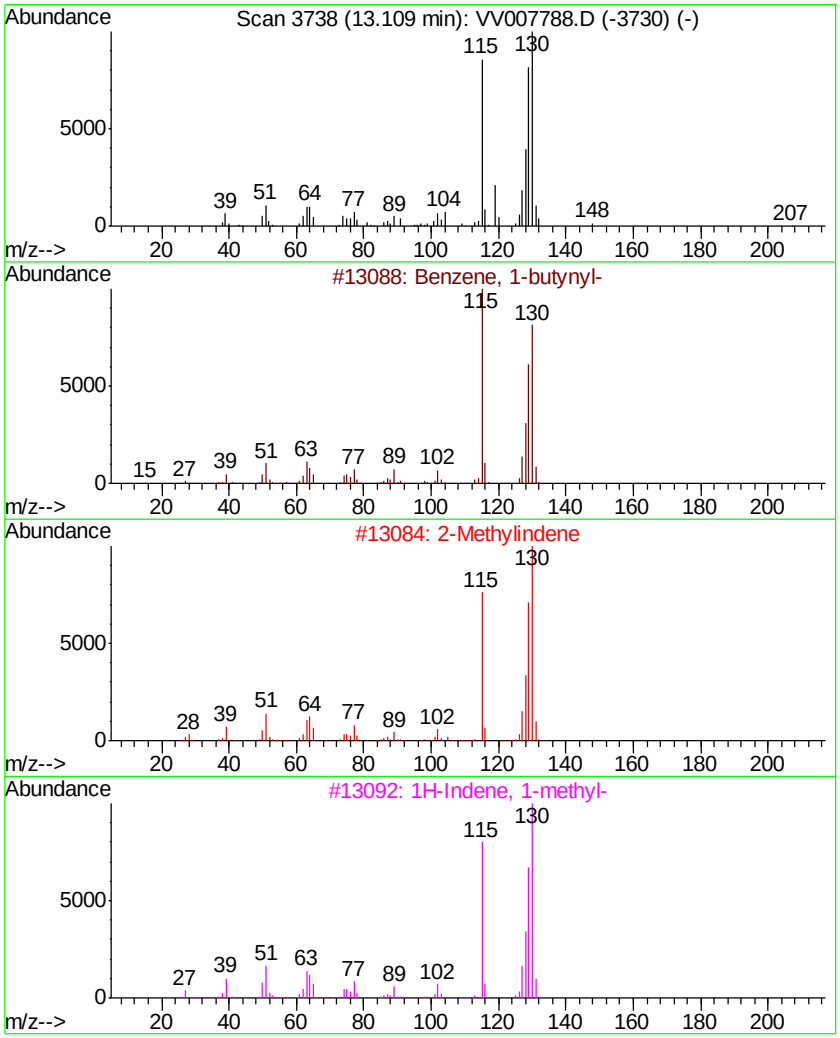
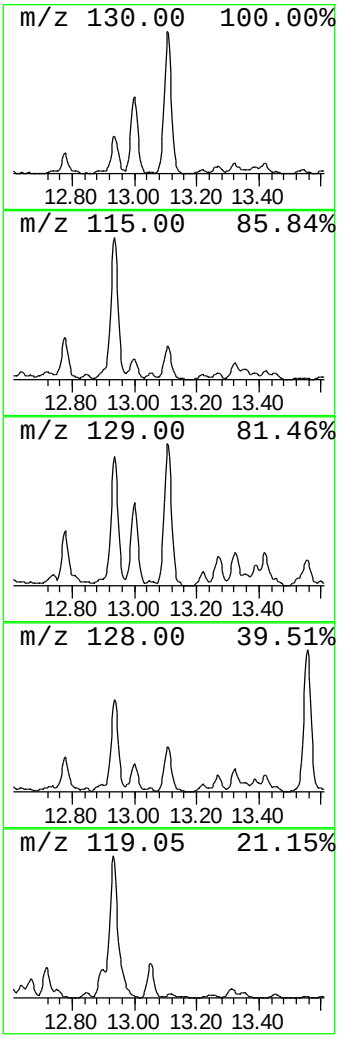
Peak Number 33 Benzene, 1-butynyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	7.72 ug/L	92612	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
2	2-Methylindene	130	C10H10	002177-47-1	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

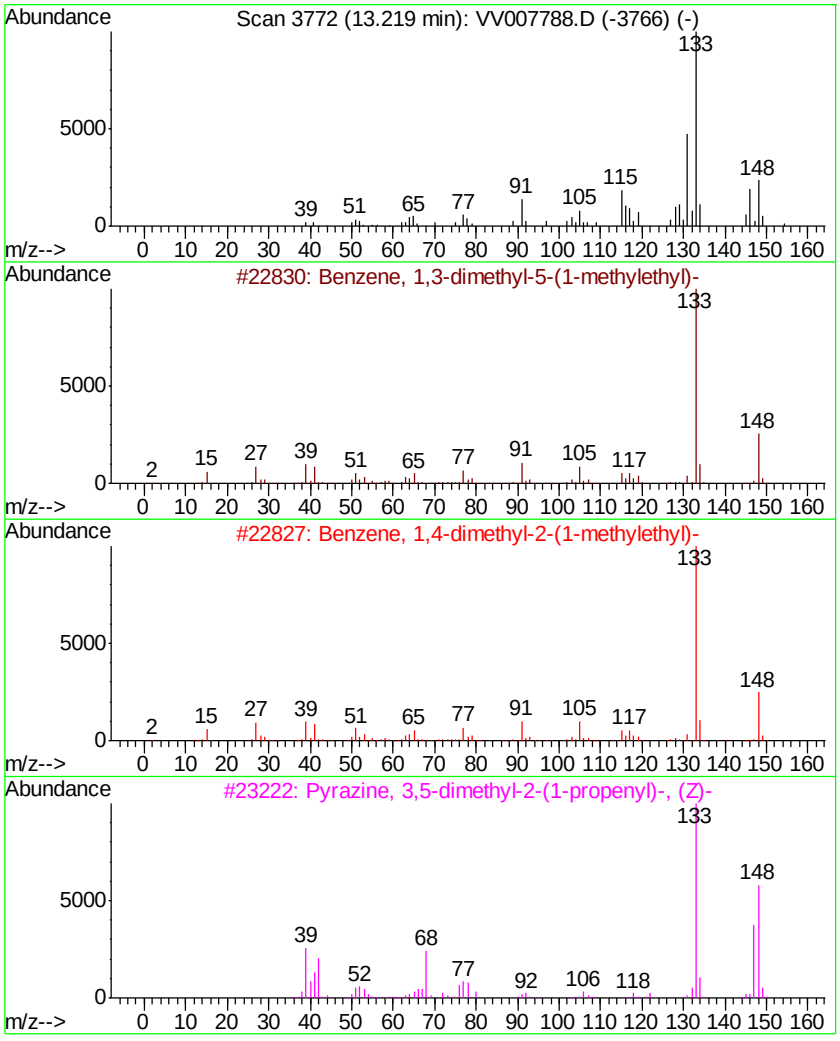
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

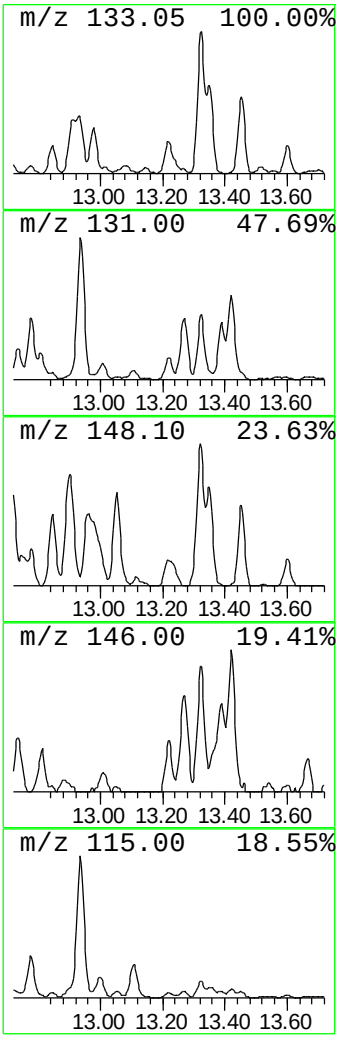
****

Peak Number 34 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	3.16 ug/L	37883	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	55
2	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	49
3	Pyrazine, 3,5-dimethyl-2-(1-prop...	148	C9H12N2	055138-74-4	46
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46
5	4-tert-Butyltoluene	148	C11H16	000098-51-1	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

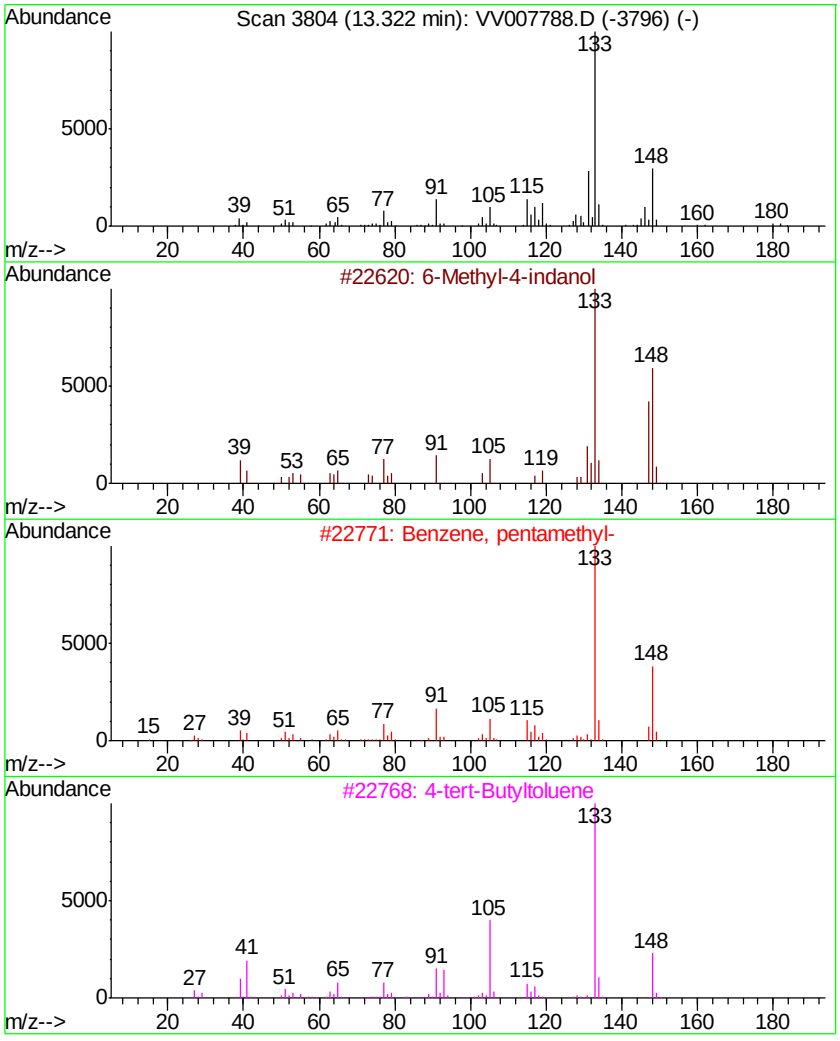
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

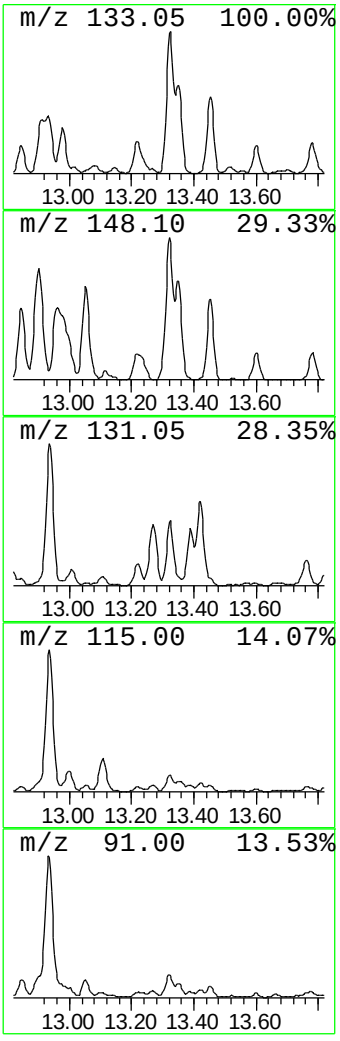
****

Peak Number 35 6-Methyl-4-indanol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	15.49 ug/L	185873	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-4-indanol	148	C10H12O	020294-32-0	80
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3	4-tert-Butyltoluene	148	C11H16	000098-51-1	70
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	68
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

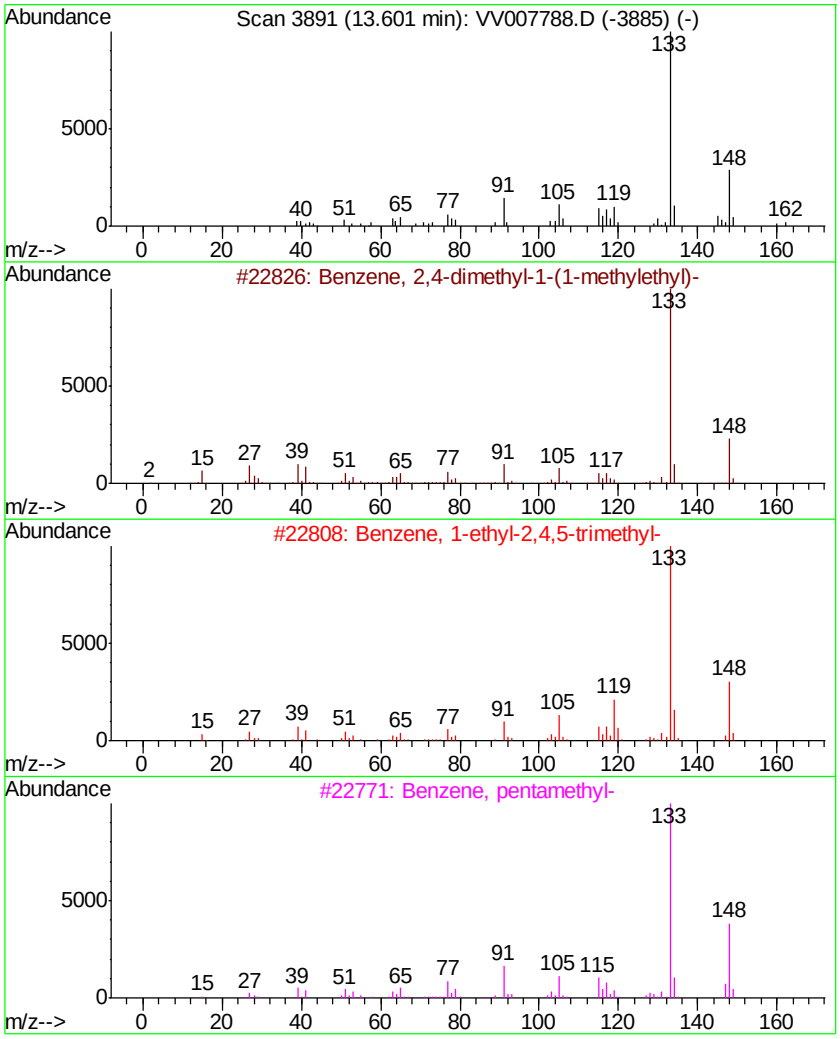
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

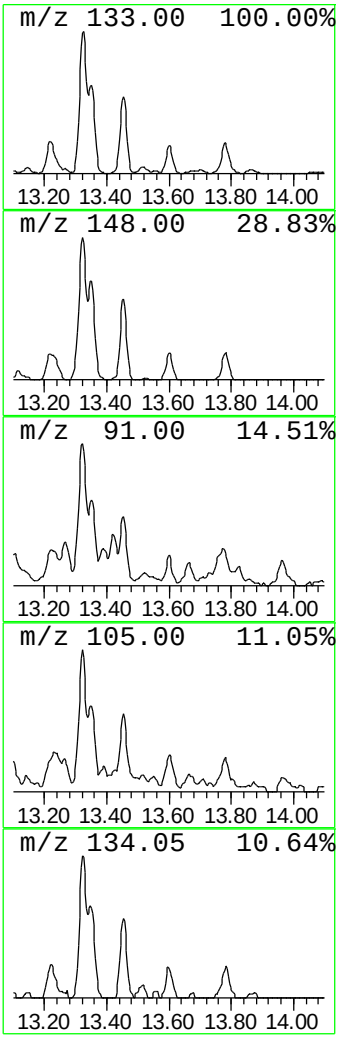
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	3.19 ug/L	38300	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	87
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	87
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	87
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

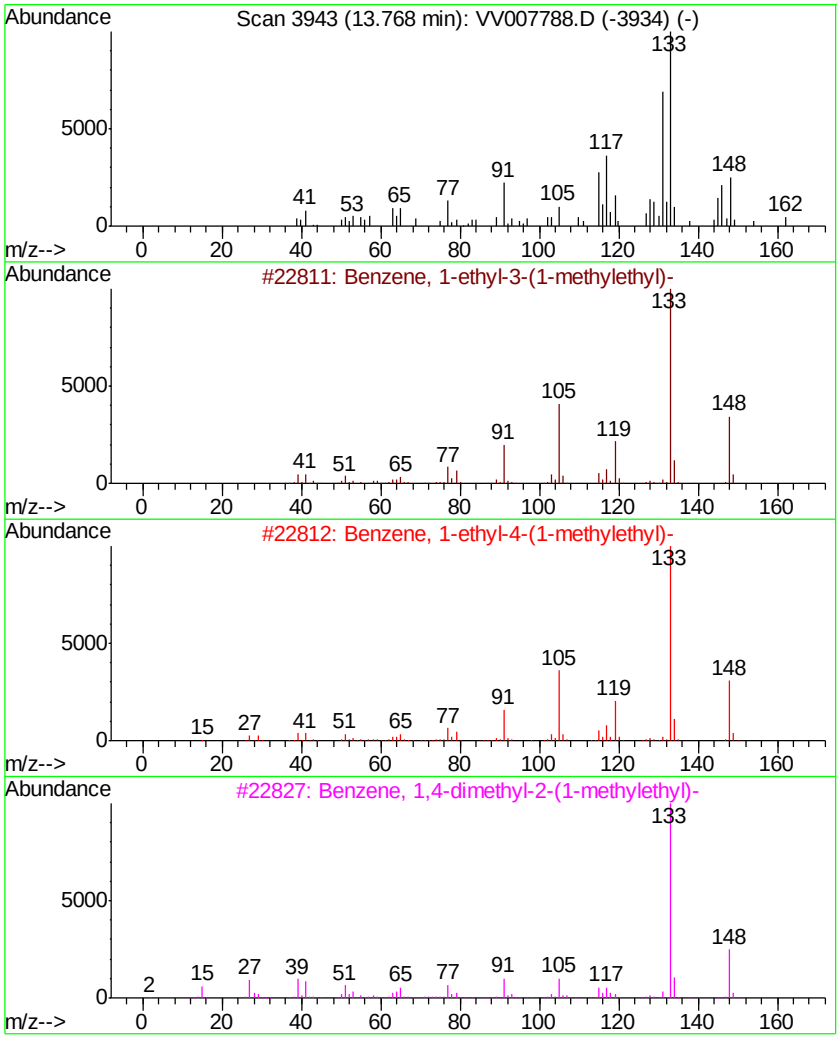
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

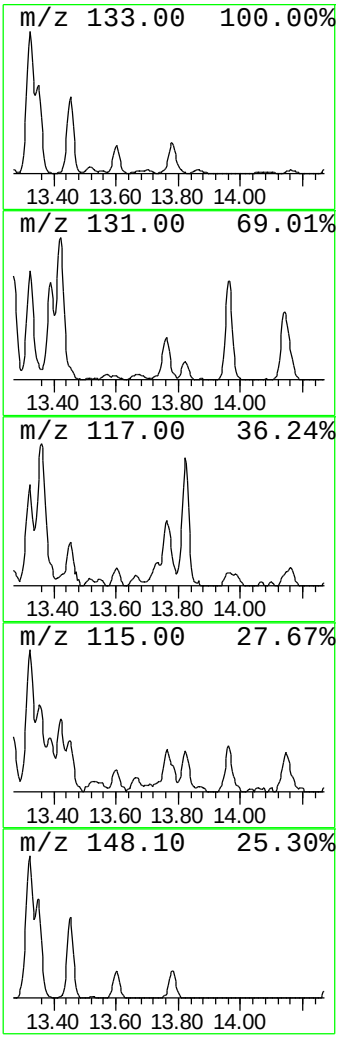
****

Peak Number 38 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	4.38 ug/L	52562	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
3	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	52
4	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	52
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

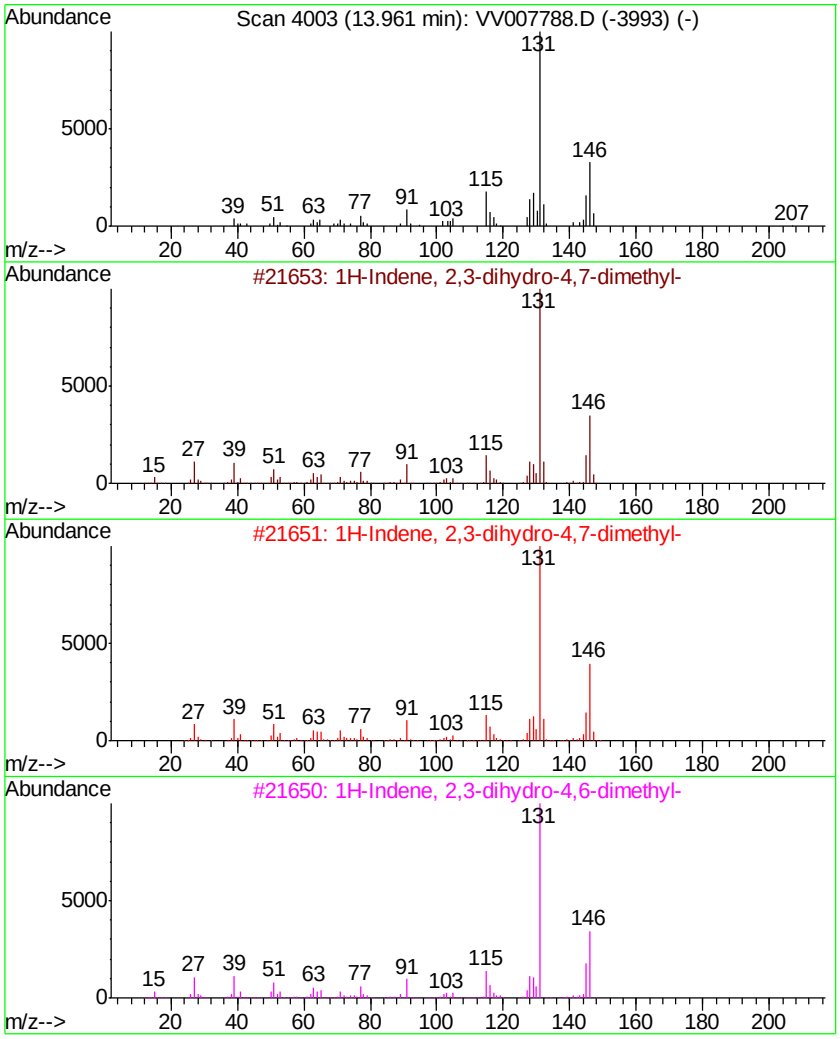
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

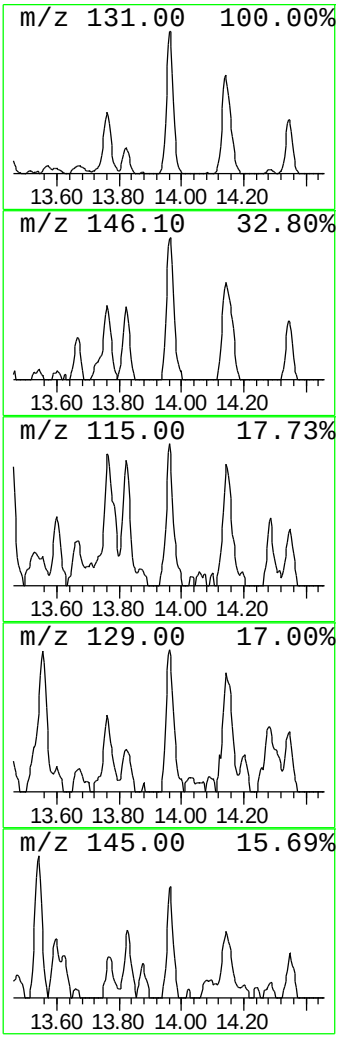
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	5.05 ug/L	60578	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

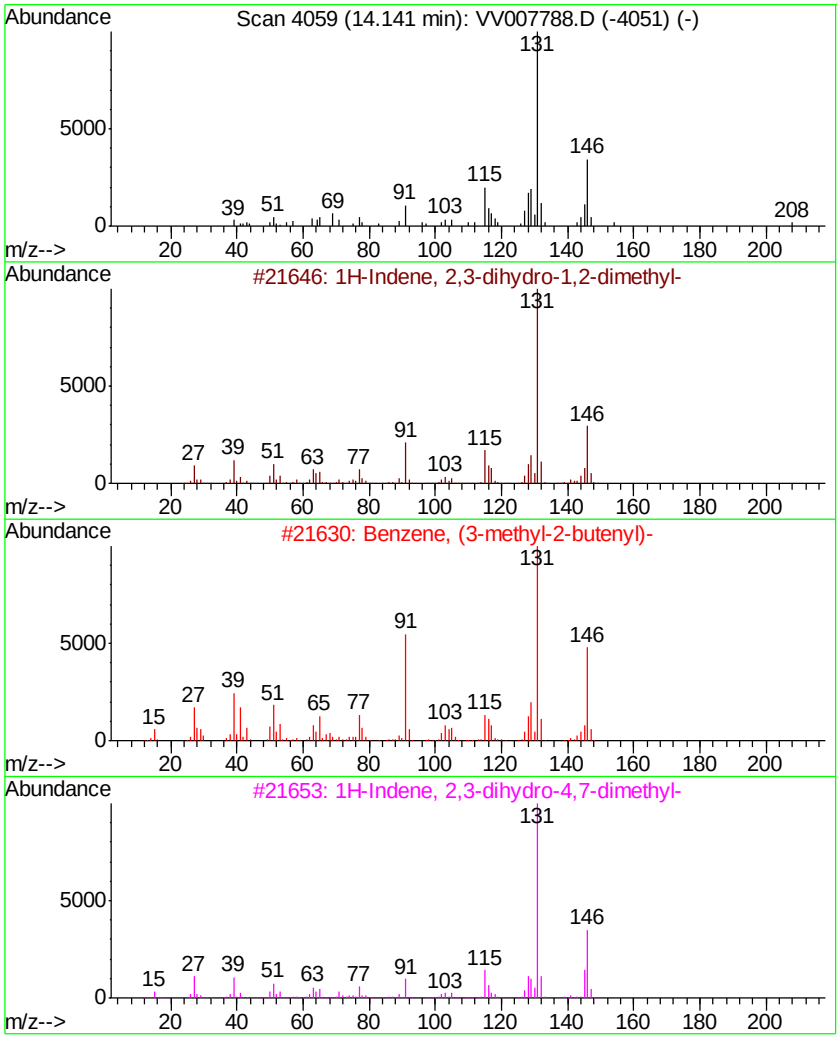
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

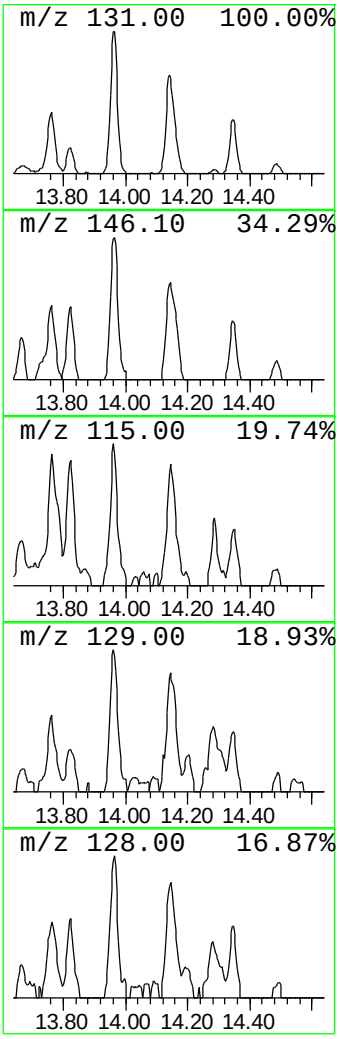
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	4.60 ug/L	55125	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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

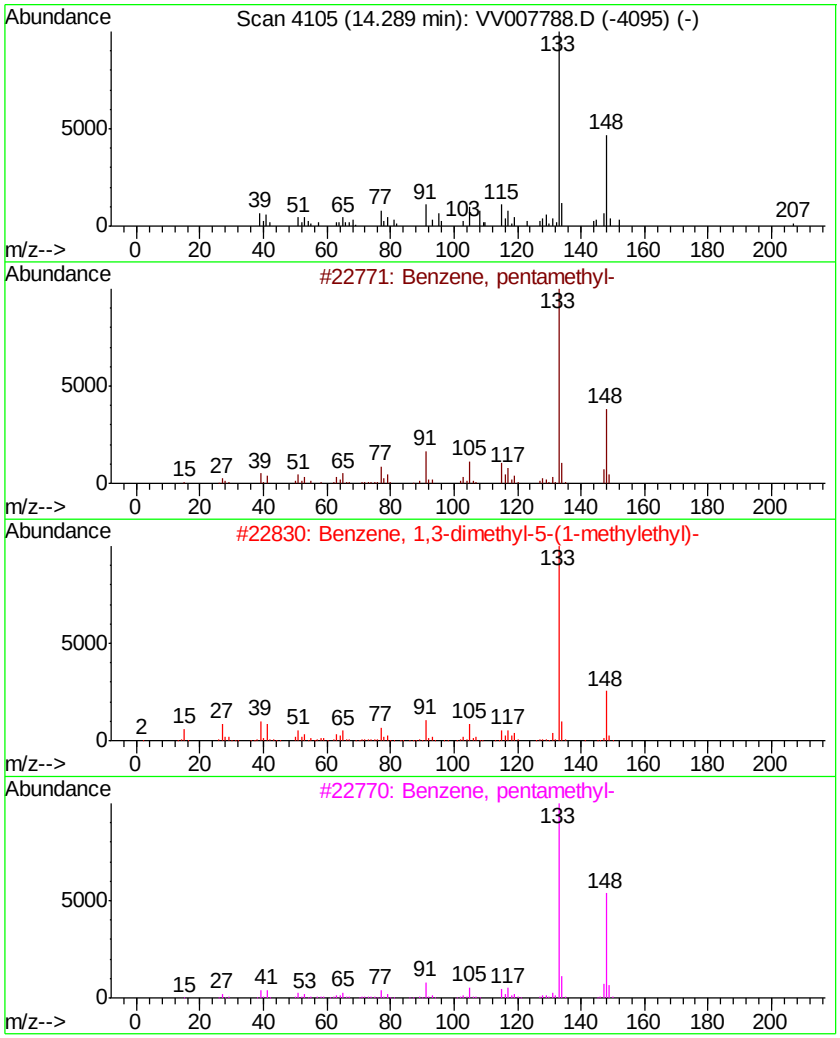
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

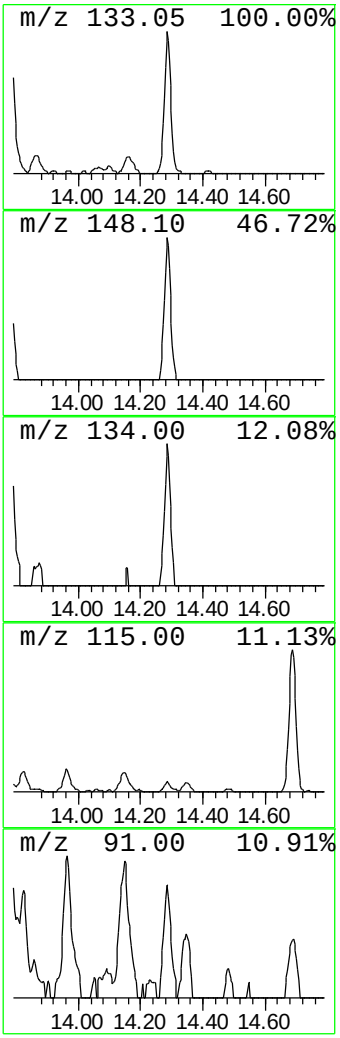
****

Peak Number 41 Benzene, pentamethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	3.33 ug/L	40007	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	91
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	87
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	87
5	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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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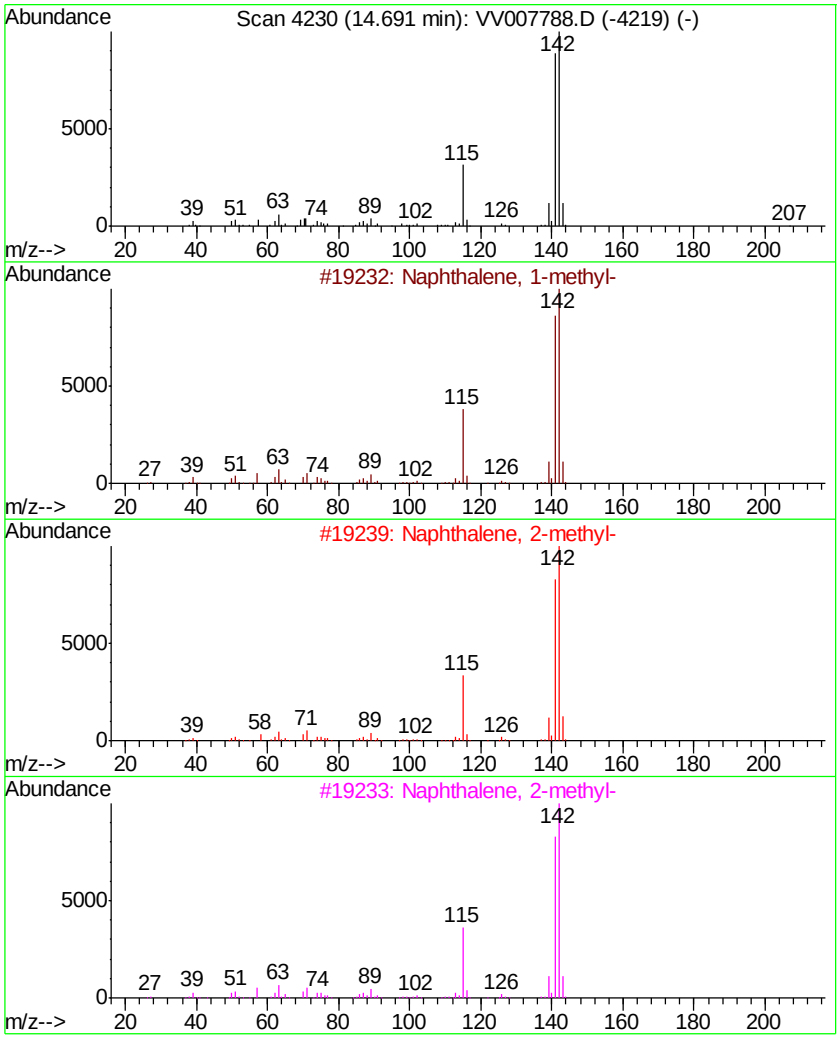
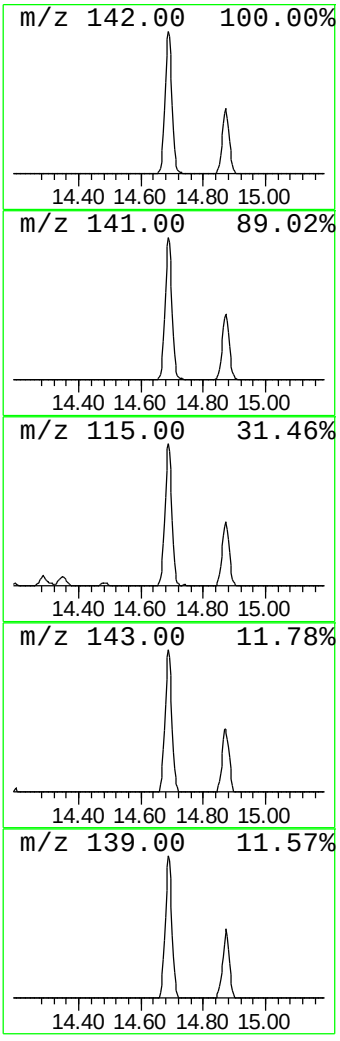
Peak Number 42 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	14.35 ug/L	172147	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007788.D
Acq On : 23 Sep 2018 15:08
Operator : SY/MD
Sample : J5014-03
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 66 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB3

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...	8.34	2.6	ug/L	25972	2	8.90	501090	50.0
(DEL) Alkane: Cyc...	8.40	3.4	ug/L	34033	2	8.90	501090	50.0
(DEL) Alkane: Cyc...	8.64	10.3	ug/L	102852	2	8.90	501090	50.0
(DEL) Alkane: Str...	8.83	4.0	ug/L	40425	2	8.90	501090	50.0
Methyl ethyl cycl...	9.37	3.1	ug/L	30889	2	8.90	501090	50.0
(DEL) Alkane: Cyc...	9.52	33.6	ug/L	336965	2	8.90	501090	50.0
(DEL) Alkane: Cyc...	9.72	5.2	ug/L	52540	2	8.90	501090	50.0
unknown-01	9.76	12.2	ug/L	122693	2	8.90	501090	50.0
(DEL) Alkane: Cyc...	9.85	23.0	ug/L	230235	2	8.90	501090	50.0
1,6-Heptadiene, 2...	10.18	5.8	ug/L	69682	3	11.30	599822	50.0
Benzene, 1-ethyl-...	10.50	17.3	ug/L	207839	3	11.30	599822	50.0
Benzene, 1-ethyl-...	10.78	21.5	ug/L	257505	3	11.30	599822	50.0
(DEL) Alkane: Str...	10.93	4.6	ug/L	55237	3	11.30	599822	50.0
(DEL) Alkane: Cyc...	11.20	7.0	ug/L	84376	3	11.30	599822	50.0
Benzene, 1-propenyl-	11.59	16.6	ug/L	198906	3	11.30	599822	50.0
Benzene, 1-methyl...	11.87	15.7	ug/L	188807	3	11.30	599822	50.0
Benzene, 2-ethyl-...	11.96	28.6	ug/L	342998	3	11.30	599822	50.0
Benzene, 1-ethyl-...	12.07	58.9	ug/L	705962	3	11.30	599822	50.0
Benzene, (2-methy...	12.17	11.3	ug/L	136060	3	11.30	599822	50.0
Benzene, 1,4-diet...	12.31	7.6	ug/L	91196	3	11.30	599822	50.0
Benzene, 1,2,3,5-...	12.46	50.6	ug/L	607111	3	11.30	599822	50.0
Benzene, 1,2,4,5-...	12.52	62.4	ug/L	748447	3	11.30	599822	50.0
1H-Indene, 2,3-di...	12.78	21.3	ug/L	255049	3	11.30	599822	50.0
Benzene, 1,3-diet...	12.85	5.1	ug/L	61299	3	11.30	599822	50.0
1-Phenyl-1-butene	12.94	120.5	ug/L	1445210	3	11.30	599822	50.0
Benzene, 1-methyl...	13.05	7.8	ug/L	93237	3	11.30	599822	50.0
Benzene, 1-butynyl-	13.11	7.7	ug/L	92612	3	11.30	599822	50.0
Benzene, 1,3-dime...	13.22	3.2	ug/L	37883	3	11.30	599822	50.0
6-Methyl-4-indanol	13.32	15.5	ug/L	185873	3	11.30	599822	50.0
Benzene, 2,4-dime...	13.60	3.2	ug/L	38300	3	11.30	599822	50.0
Benzene, 1-ethyl-...	13.77	4.4	ug/L	52562	3	11.30	599822	50.0
1H-Indene, 2,3-di...	13.96	5.0	ug/L	60578	3	11.30	599822	50.0
1H-Indene, 2,3-di...	14.14	4.6	ug/L	55125	3	11.30	599822	50.0
Benzene, pentamet...	14.29	3.3	ug/L	40007	3	11.30	599822	50.0
Naphthalene, 1-me...	14.69	14.4	ug/L	172147	3	11.30	599822	50.0