LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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	64	72	91	rVB	58041	63205	4.22%	0.418%
2	1.585	147	154	166	rVB	61488	69854	4.66%	0.462%
3	2.139	316	326	338	rBV	149511	212832	14.21%	1.406%
4	3.238	663	668	674	rVB2	290	333	0.02%	0.002%
5	3.952	875	890	911	rBV	36943	96067	6.41%	0.635%
6	4.167	955	957	962	rVB	255	166	0.01%	0.001%
7	4.409	1015	1032	1054	rBV	87265	210059	14.03%	1.388%
8	4.926	1189	1193	1199	rVB	160	205	0.01%	0.001%
9	5.103	1228	1248	1274	rBV2	217060	527364	35.21%	3.485%
10	5.363	1325	1329	1333	rVB	216	200	0.01%	0.001%
11	5.408	1337	1343	1345	rBV	227	167	0.01%	0.001%
12	5.527	1377	1380	1383	rVB	216	136	0.01%	0.001%
13	5.672	1410	1425	1457	rBV	193789	392017	26.18%	2.591%
14	5.894	1491	1494	1497	rBV2	203	153	0.01%	0.001%
15	5.913	1497	1500	1503	rVB2	204	138	0.01%	0.001%
16	5.968	1506	1517	1528	rVV4	6269	11607	0.78%	0.077%
17	6.125	1552	1566	1592	rBV	115932	236569	15.80%	1.563%
18	6.244	1602	1603	1610	rVV3	351	304	0.02%	0.002%
19	6.273	1610	1612	1615	rVB2	325	173	0.01%	0.001%
20	6.392	1647	1649	1653	rVV2	162	155	0.01%	0.001%
21	7.035	1834	1849	1873	rBV	61625	110273	7.36%	0.729%
22	7.306	1929	1933	1938	rBV2	483	482	0.03%	0.003%
23	7.363	1938	1951	1970	rBV	260024	465640	31.09%	3.077%
24	7.669	2035	2046	2066	rBV	42428	76186	5.09%	0.503%
25	7.759	2072	2074	2078	rBV2	262	188	0.01%	0.001%
26	7.778	2079	2080	2084	rVB	369	187	0.01%	0.001%
27	7.836	2089	2098	2105	rBV5	1285	1928	0.13%	0.013%
28	7.955	2132	2135	2137	rBV	274	173	0.01%	0.001%
29	8.023	2151	2156	2161	rVV7	874	978	0.07%	0.006%
30	8.138	2179	2192	2222	rBV	124119	249202	16.64%	1.647%
31	8.338	2245	2254	2263	rVB3	13860	22170	1.48%	0.147%
32	8.402	2264	2274	2282	rBV	16923	29062	1.94%	0.192%
33	8.527	2310	2313	2314	rBV2	323	182	0.01%	0.001%
34	8.550	2314	2320	2330	rVB2	3305	4795	0.32%	0.032%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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	8.640	2330	2348	2360	rBV5	39143	85959	5.74%	0.568%
36	8.704	2362	2368	2382	rVB6	17765	31314	2.09%	0.207%
37	8.772	2382	2389	2398	rBV6	3459	5687	0.38%	0.038%
38	8.833	2398	2408	2418	rBV2	22133	38309	2.56%	0.253%
39	8.900	2418	2429	2446	rBV	299307	496230	33.13%	3.279%
40	9.048	2462	2475	2486	rBV5	42452	99297	6.63%	0.656%
41	9.109	2486	2494	2500	rBV3	24790	38372	2.56%	0.254%
42	9.154	2502	2508	2512	rBV3	23595	34496	2.30%	0.228%
43	9.367	2563	2574	2584	rBV3	14753	25176	1.68%	0.166%
44	9.453	2594	2601	2605	rBV5	2273	3224	0.22%	0.021%
45	9.521	2605	2622	2637	rVV2	111121	283289	18.92%	1.872%
46	9.592	2639	2644	2665	rVB3	47121	97390	6.50%	0.644%
47	9.723	2676	2685	2688	rBV2	33043	47383	3.16%	0.313%
48	9.756	2690	2695	2704	rVB4	75231	107960	7.21%	0.713%
49	9.846	2715	2723	2734	rBV3	91076	180808	12.07%	1.195%
50	9.958	2751	2758	2770	rVB2	20251	39720	2.65%	0.262%
51	10.180	2819	2827	2839	rVB4	34838	58588	3.91%	0.387%
52	10.267	2843	2854	2883	rVB2	219026	496360	33.14%	3.280%
53	10.402	2889	2896	2901	rBV	19608	29706	1.98%	0.196%
54	10.498	2917	2926	2937	rBV2	92965	202288	13.51%	1.337%
55	10.784	3005	3015	3033	rVB3	109409	235270	15.71%	1.555%
56	10.926	3052	3059	3062	rBV3	42368	60414	4.03%	0.399%
57	10.961	3062	3070	3093	rVB	494123	849023	56.69%	5.611%
58	11.202	3138	3145	3152	rBV3	57355	81156	5.42%	0.536%
59	11.299	3165	3175	3193	rBV	369999	612028	40.87%	4.044%
60	11.386	3194	3202	3223	rVB	267986	432141	28.86%	2.856%
61	11.588	3253	3265	3271	rBV4	90222	201577	13.46%	1.332%
62	11.678	3282	3293	3313	rVB4	569667	1302255	86.95%	8.606%
63	11.797	3323	3330	3343	rVB4	34343	55705	3.72%	0.368%
64	11.871	3345	3353	3370	rVB	113903	189682	12.67%	1.253%
65	11.961	3371	3381	3385	rBV	232740	344347	22.99%	2.276%
66	12.067	3405	3414	3435	rVB	431965	726853	48.53%	4.803%
67	12.167	3436	3445	3450	rBV	89441	144755	9.67%	0.957%
68	12.309	3476	3489	3496	rBV6	41883	93085	6.22%	0.615%
69	12.363	3497	3506	3517	rVB3	134361	235496	15.72%	1.556%
70	12.463	3518	3537	3546	rBV	352502	620898	41.46%	4.103%
71	12.518	3546	3554	3569	rVB	490623	754985	50.41%	4.989%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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	12.601	3570	3580	3586	rBV	67733	110698	7.39%	0.732%
73	12.636	3587	3591	3596	rVV	32429	31080	2.08%	0.205%
74	12.778	3628	3635	3649	rVB	175030	264455	17.66%	1.748%
75	12.845	3649	3656	3663	rVB2	53503	70434	4.70%	0.465%
76	12.936	3664	3684	3700	rBV2	761774	1497623	100.00%	9.897%
77	13.051	3713	3720	3729	rBV	72860	100448	6.71%	0.664%
78	13.109	3730	3738	3756	rVB3	62184	121909	8.14%	0.806%
79	13.218	3759	3772	3780	rBV2	36072	69661	4.65%	0.460%
80	13.321	3795	3804	3810	rBV2	134565	214386	14.32%	1.417%
81	13.521	3858	3866	3867	rBV3	7719	9244	0.62%	0.061%
82	13.601	3884	3891	3901	rVB	24381	37938	2.53%	0.251%
83	13.665	3902	3911	3918	rBV5	10457	17848	1.19%	0.118%
84	13.771	3935	3944	3954	rBV5	22988	50414	3.37%	0.333%
85	13.961	3994	4003	4019	rBV2	34357	58488	3.91%	0.387%
86	14.064	4028	4035	4039	rBV7	2132	2793	0.19%	0.018%
87	14.144	4051	4060	4074	rVB4	23382	51991	3.47%	0.344%
88	14.238	4084	4089	4090	rBV2	739	526	0.04%	0.003%
89	14.286	4095	4104	4115	rVV	22996	35969	2.40%	0.238%
90	14.347	4115	4123	4136	rVB	15138	22094	1.48%	0.146%
91	14.402	4136	4140	4144	rBV2	404	295	0.02%	0.002%
92	14.424	4144	4147	4148	rBV2	253	162	0.01%	0.001%
93	14.489	4159	4167	4174	rVV8	3076	4943	0.33%	0.033%
94	14.537	4177	4182	4190	rVV6	1933	2642	0.18%	0.017%
95	14.643	4212	4215	4218	rBV2	546	442	0.03%	0.003%
96	14.688	4218	4229	4246	rVV	102354	156353	10.44%	1.033%
97	14.768	4253	4254	4259	rVB2	543	337	0.02%	0.002%
98	14.826	4269	4272	4273	rBV	303	144	0.01%	0.001%
99	14.871	4275	4286	4299	rVV	47775	74402	4.97%	0.492%
100	15.032	4332	4336	4340	rBV3	527	499	0.03%	0.003%

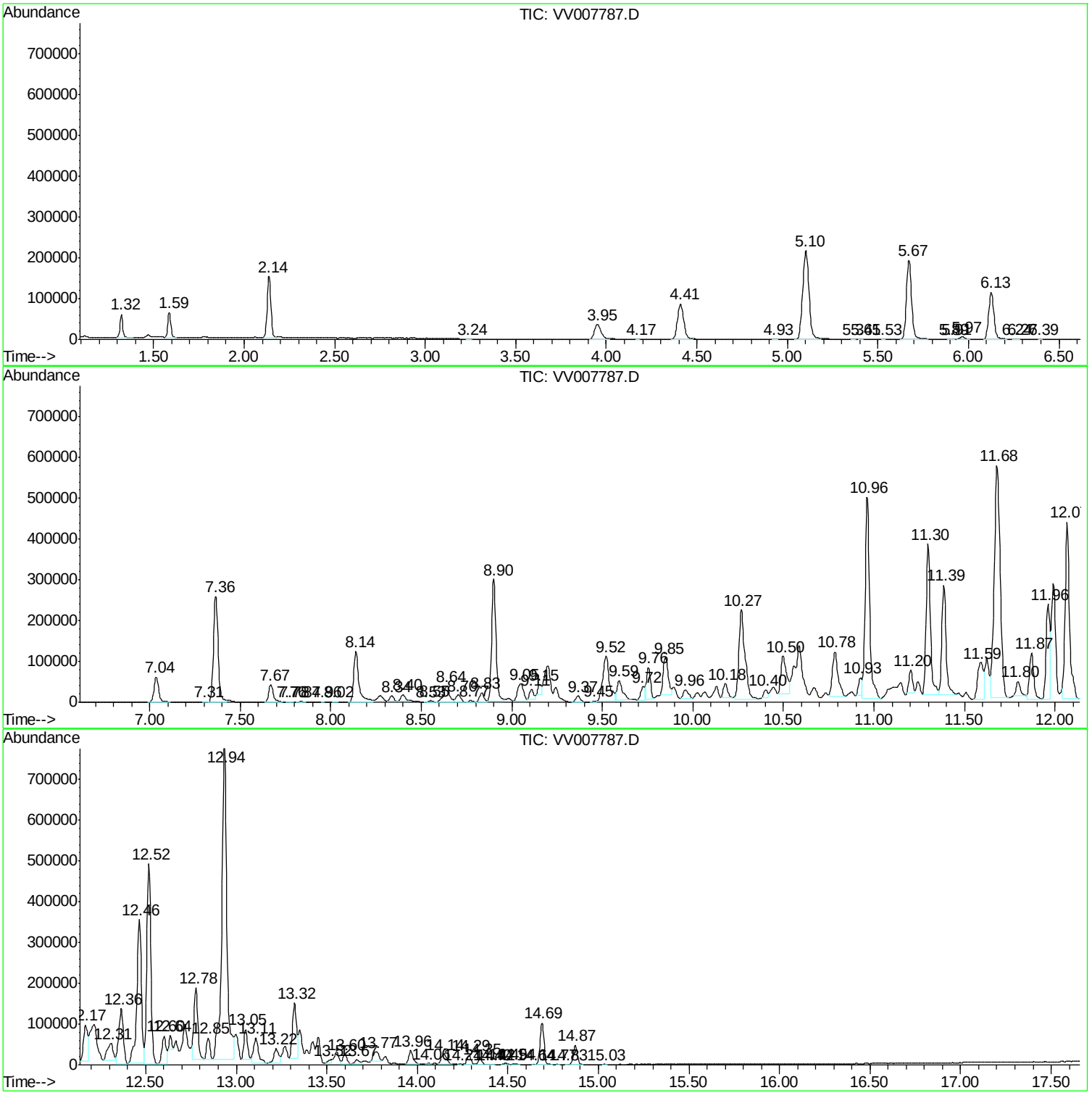
Sum of corrected areas: 15132594

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

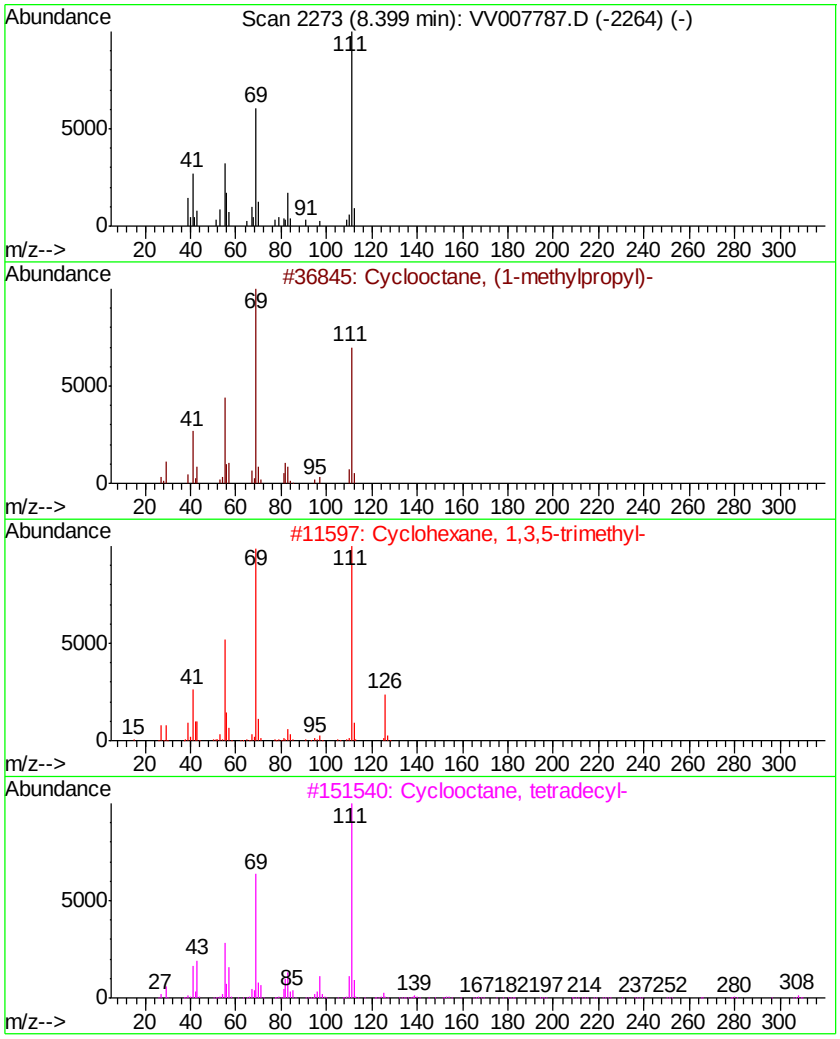
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

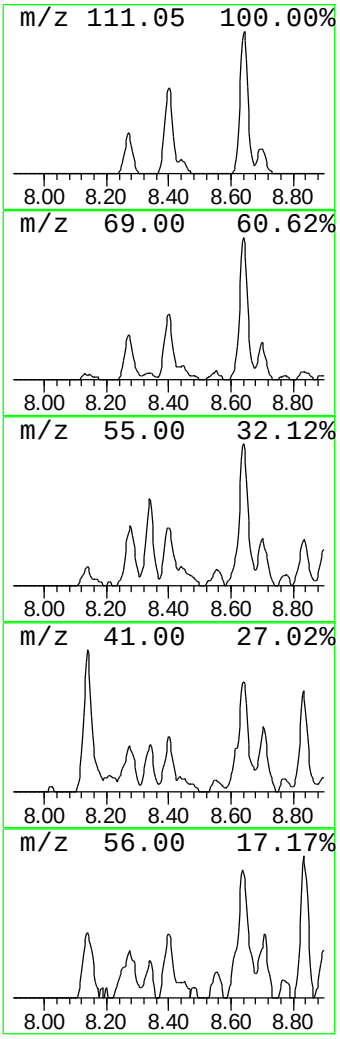
****

Peak Number 2 (DEL) Alkane: Cyclic8.40 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	2.93 ug/L	29062	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72
2	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
3	Cyclooctane, tetradecyl-	308	C22H44	149003-36-1	64
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
5	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

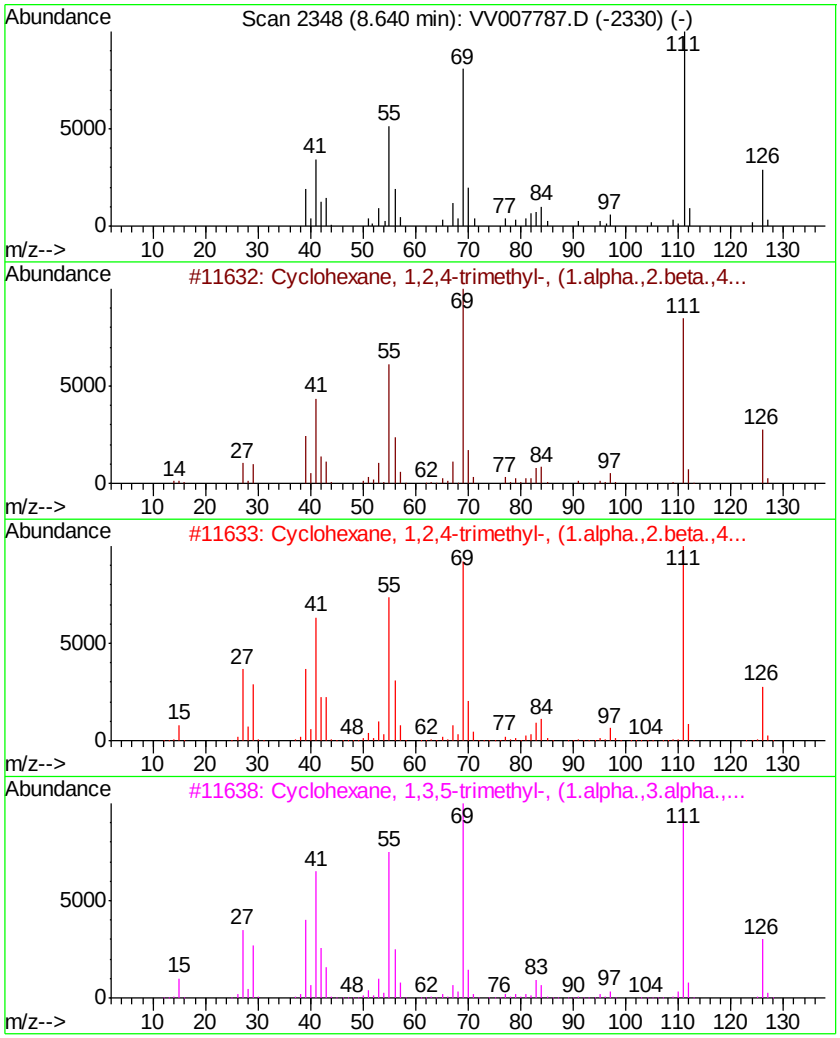
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

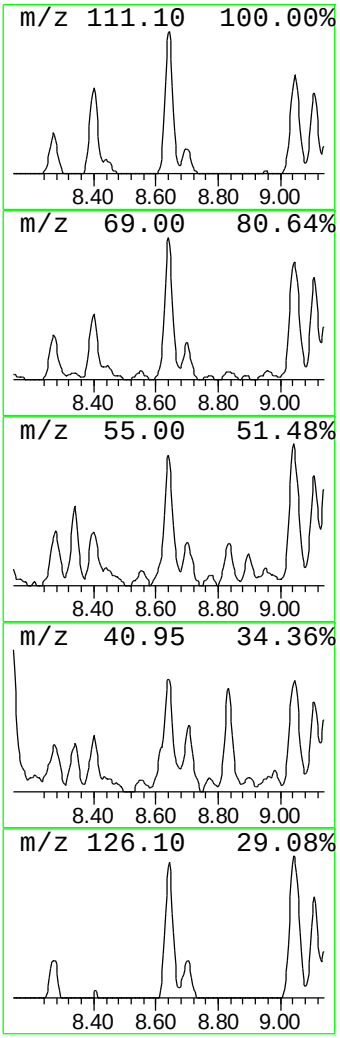
****

Peak Number 3 (DEL) Alkane: Cyclic8.64 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.64	8.66 ug/L	85959	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	97
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

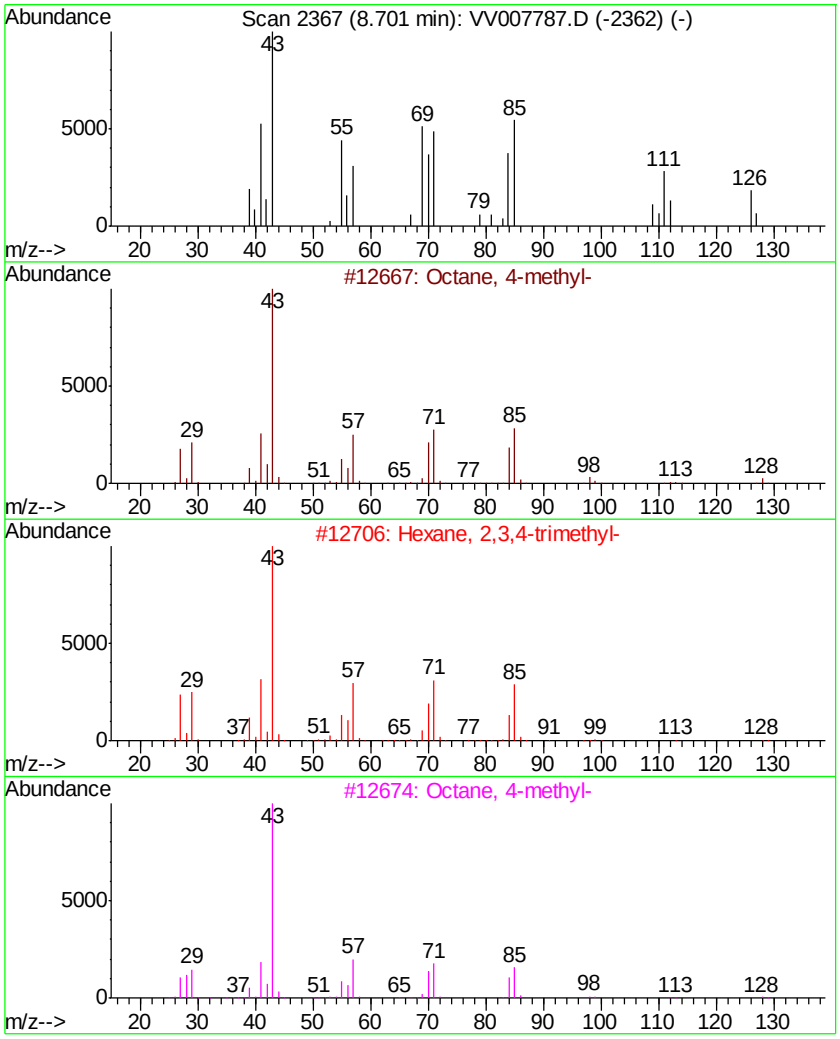
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

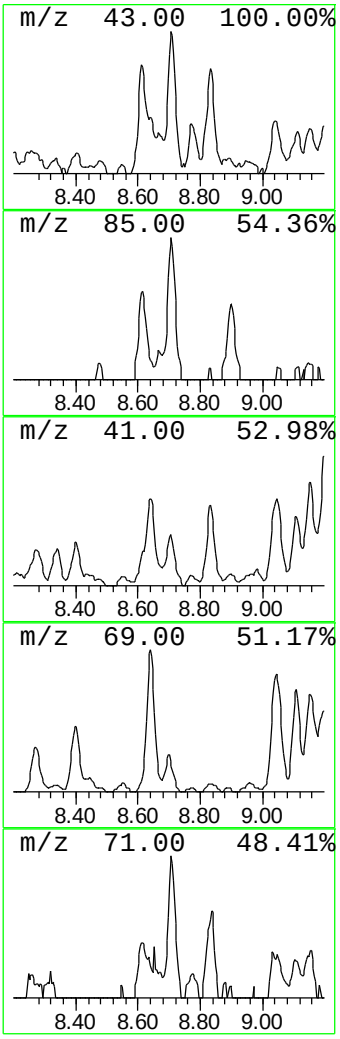
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	3.16 ug/L	31314	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	53
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
3	Octane, 4-methyl-	128	C9H20	002216-34-4	53
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

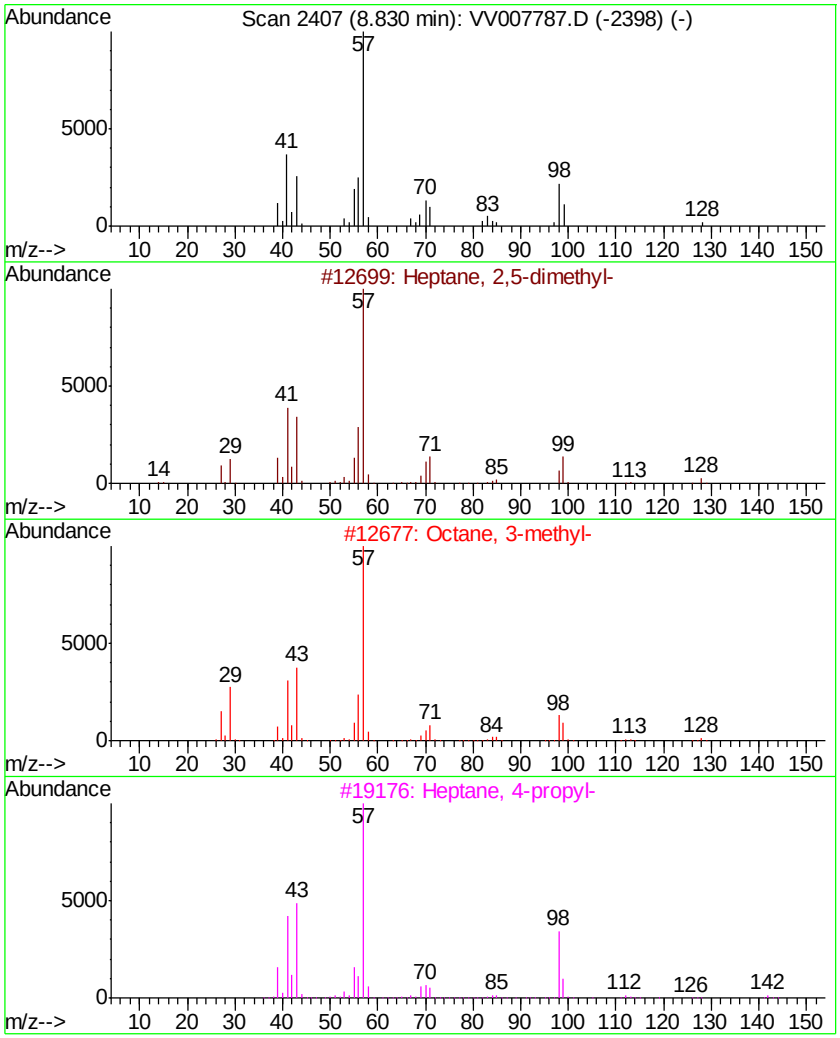
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

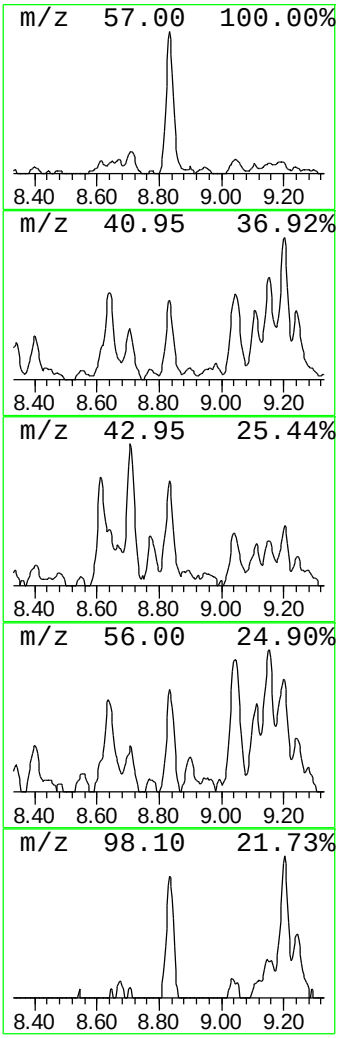
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	3.86 ug/L	38309	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, 4-propyl-	142	C10H22	003178-29-8	72
4	Octane, 3-methyl-	128	C9H20	002216-33-3	72
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

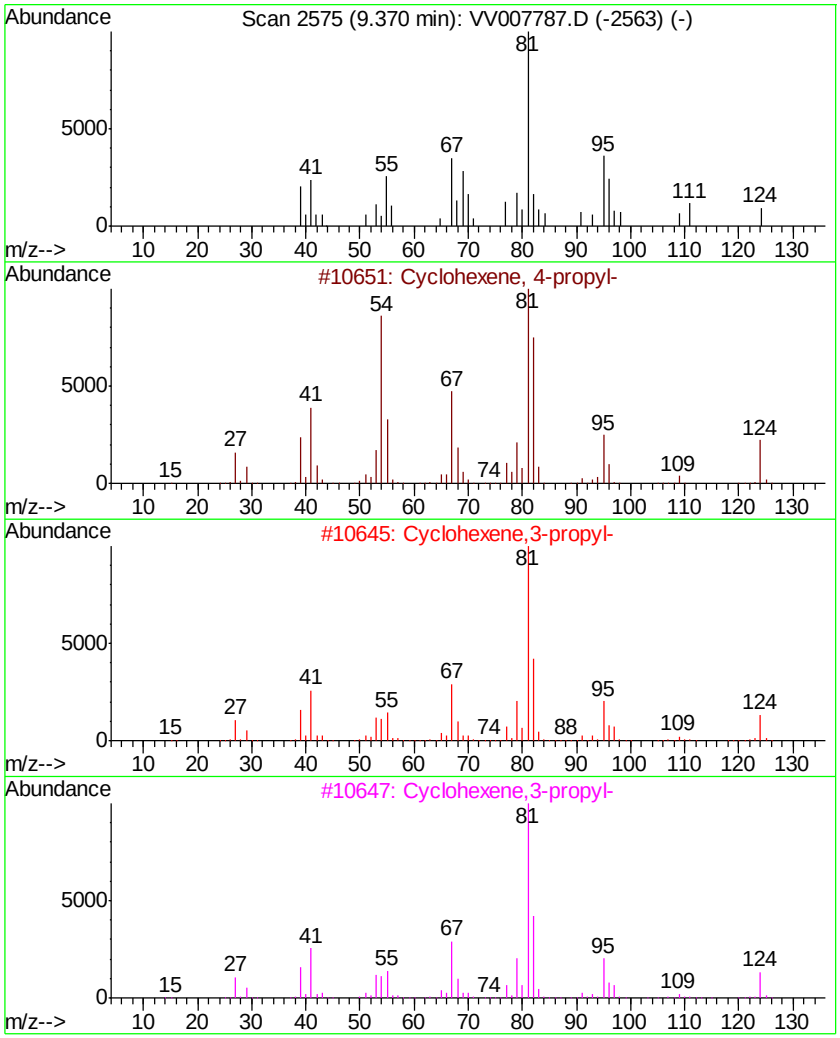
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

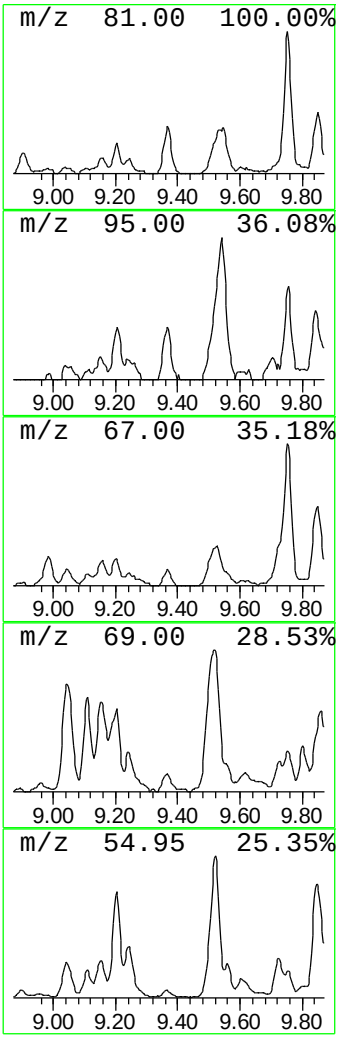
****

Peak Number 6 Cyclohexene, 4-propyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	2.54 ug/L	25176	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	64
2	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	58
3	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	58
4	Methyl ethyl cyclopentene	110	C8H14	019780-56-4	53
5	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

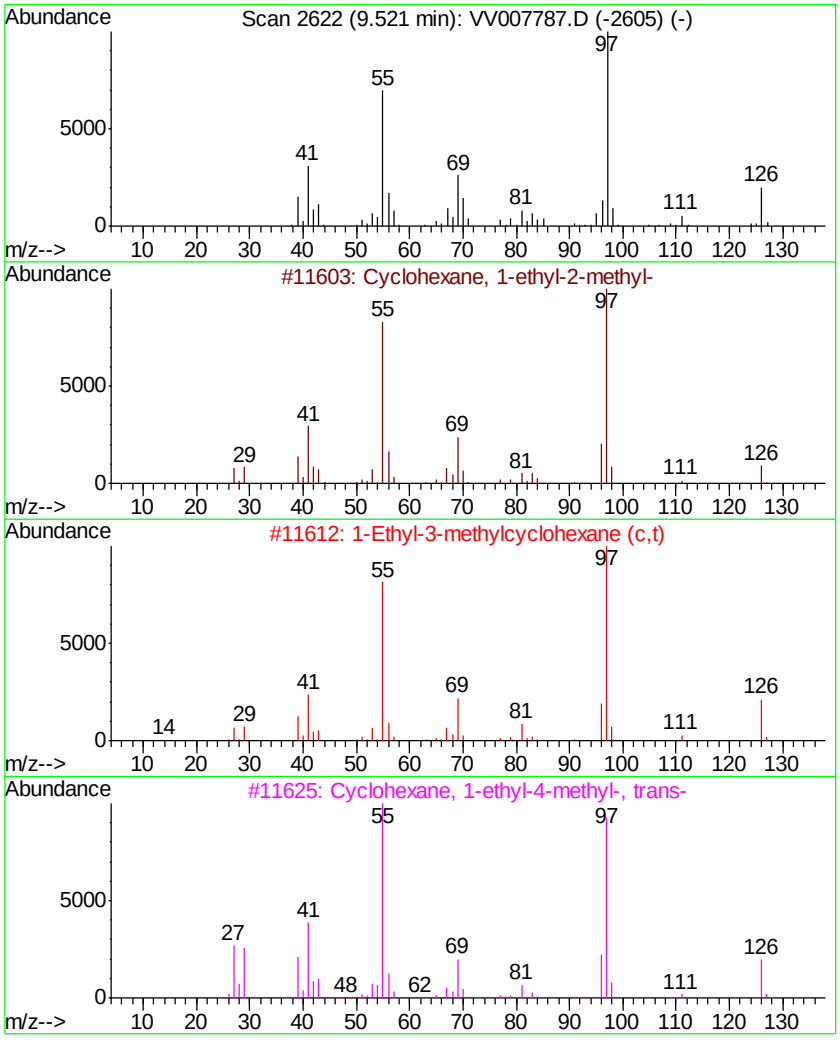
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

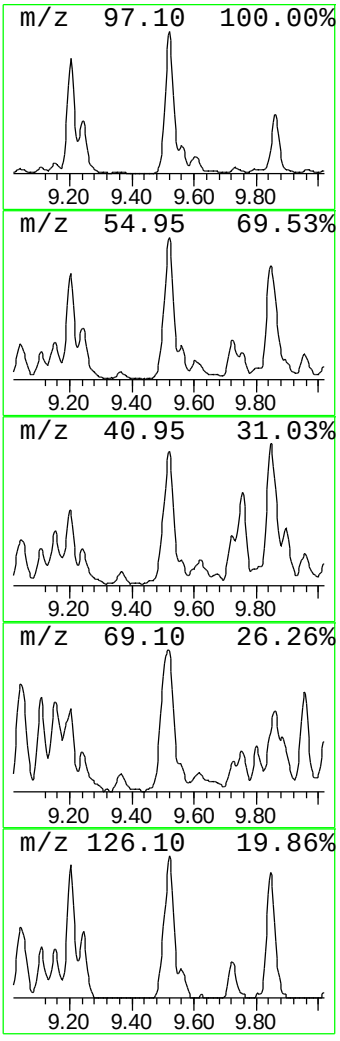
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	28.54 ug/L	283289	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	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	76
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	74
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

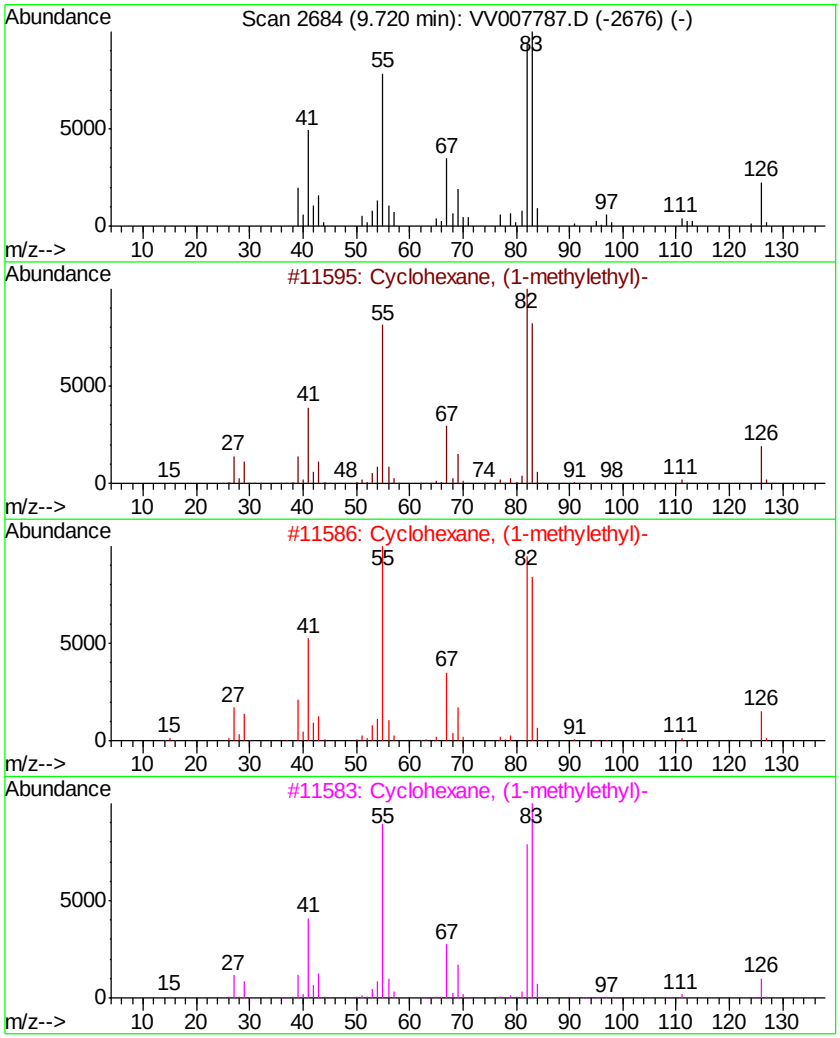
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

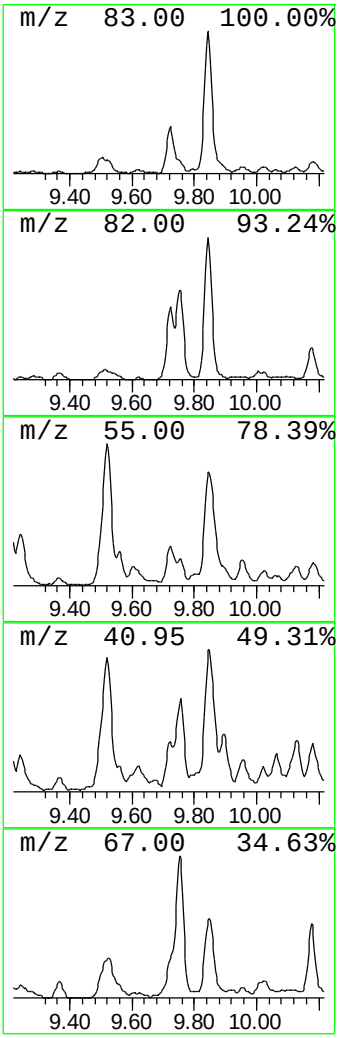
****

Peak Number 8 (DEL) Alkane: Cyclic9.72 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	4.77 ug/L	47383	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	95
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	93
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

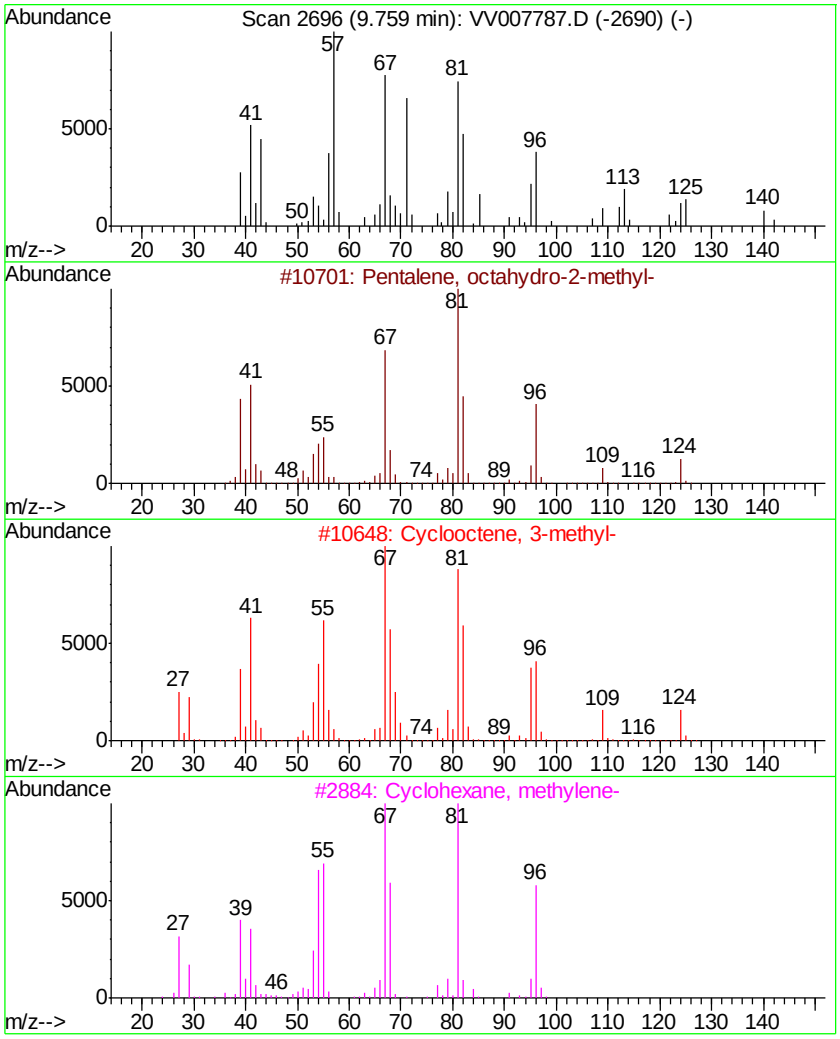
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

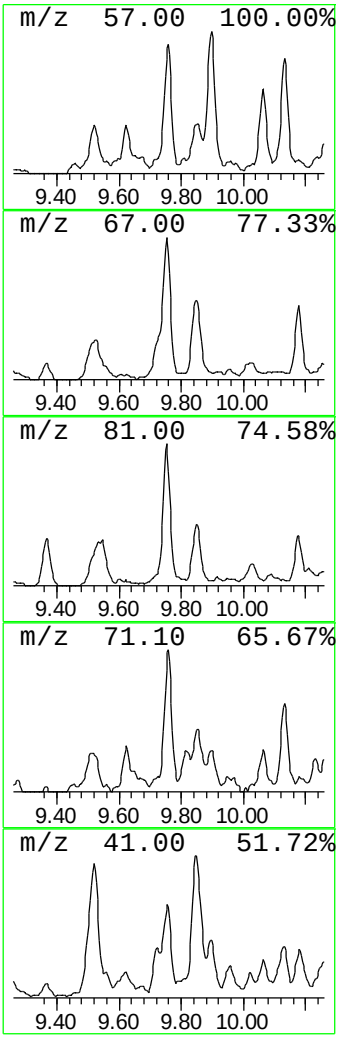
****

Peak Number 9 Pentalene, octahydro-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	10.88 ug/L	107960	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	76
2	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	58
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	49
4	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	46
5	Cyclohexanol, 2-(1-methylethyl)-	142	C9H18O	000096-07-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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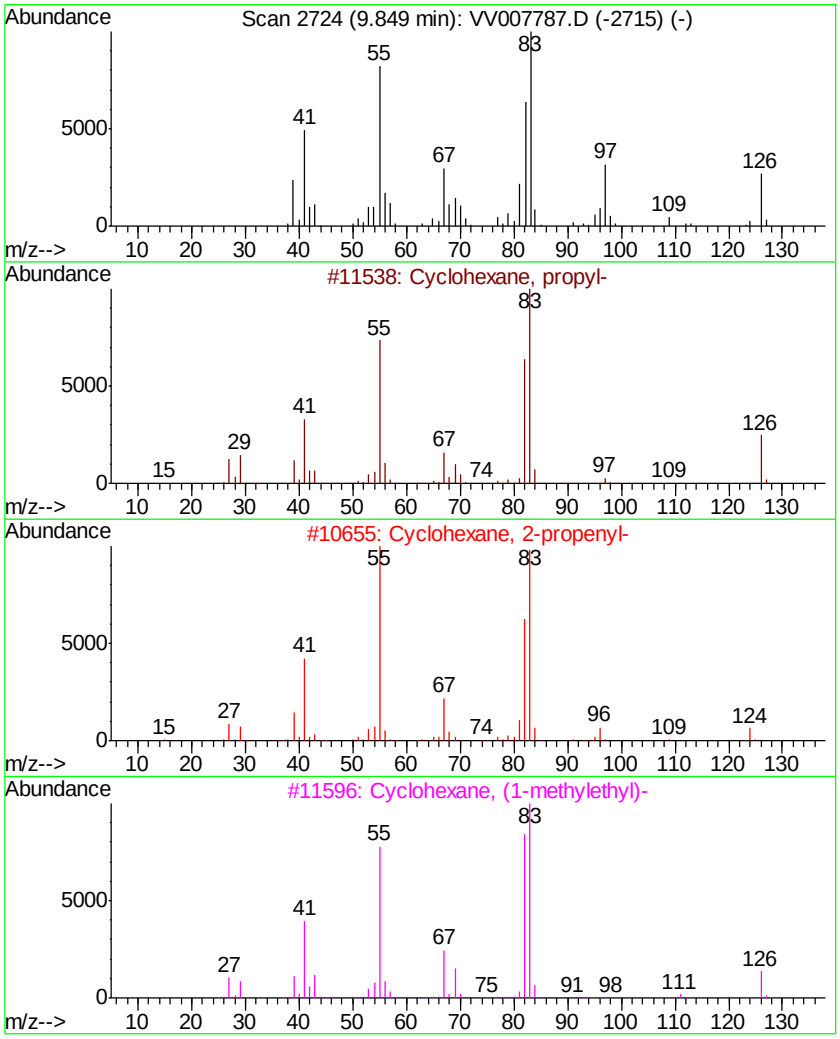
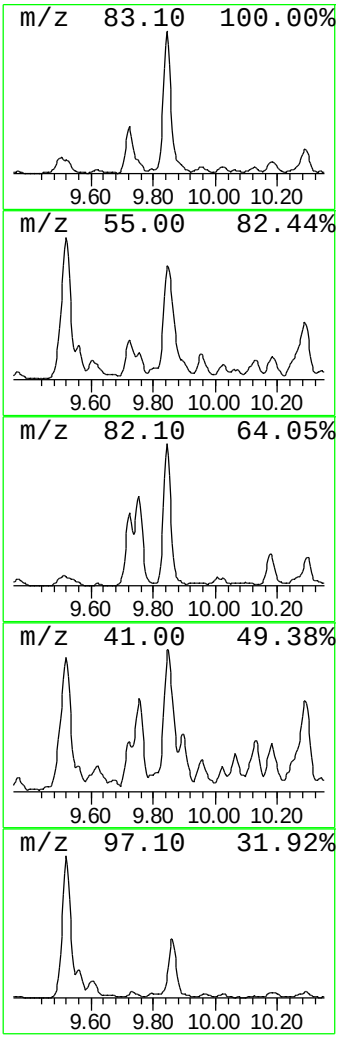
Peak Number 10 (DEL) Alkane: Cyclic9.85 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	18.22 ug/L	180808	Chlorobenzene-d5	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	93
2	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	76
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	76
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

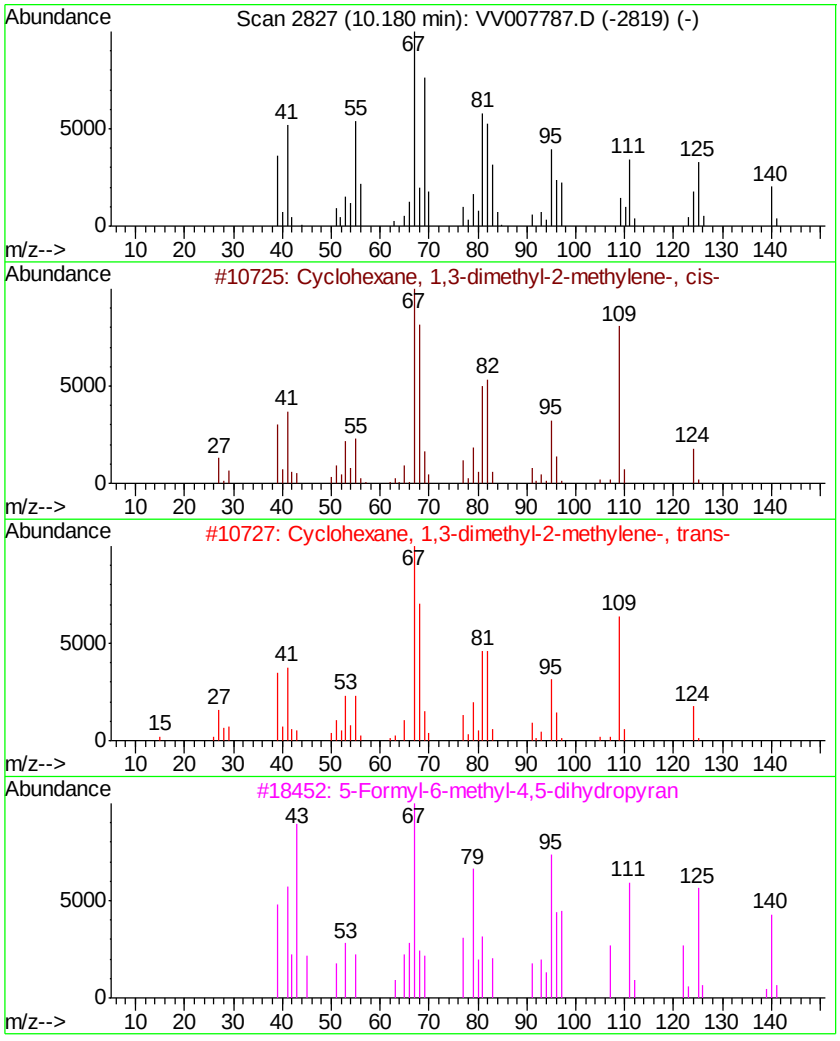
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

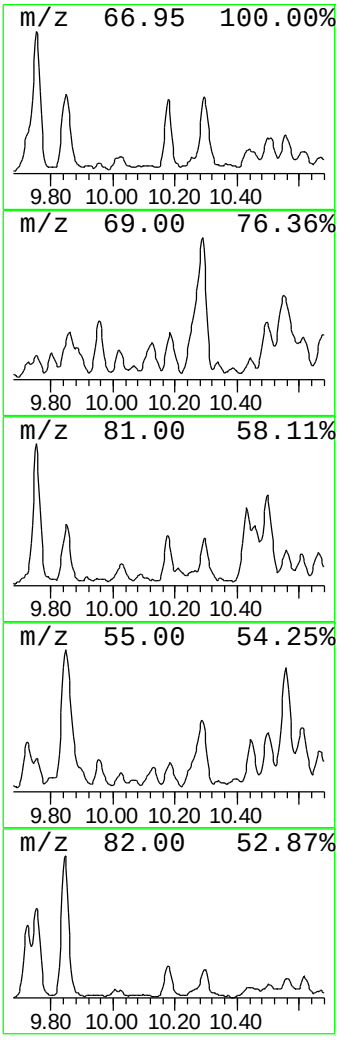
****

Peak Number 11 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	4.79 ug/L	58588	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	019781-47-6	46
2	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	46
3	5-Formyl-6-methyl-4,5-dihydropyran	140	C8H12O2	1000288-90-6	43
4	4-Nonyne	124	C9H16	020184-91-2	38
5	Bicyclo[2.2.1]heptane, 2-methyl-...	110	C8H14	000872-78-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

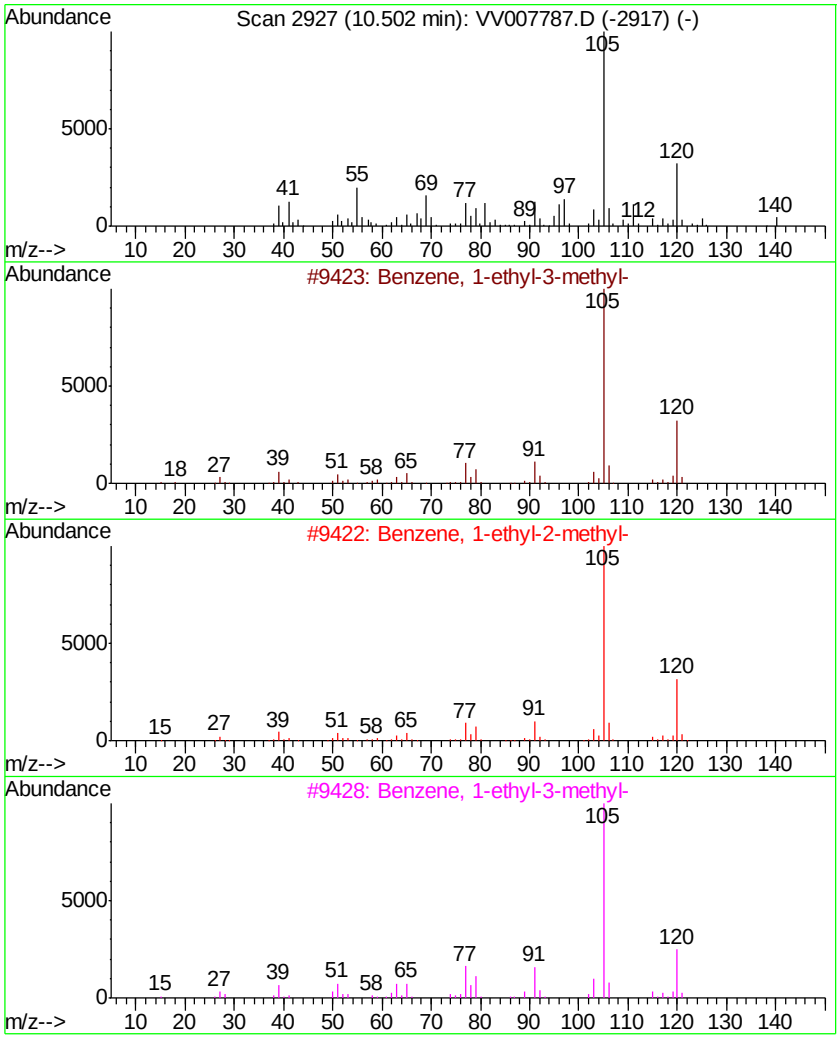
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

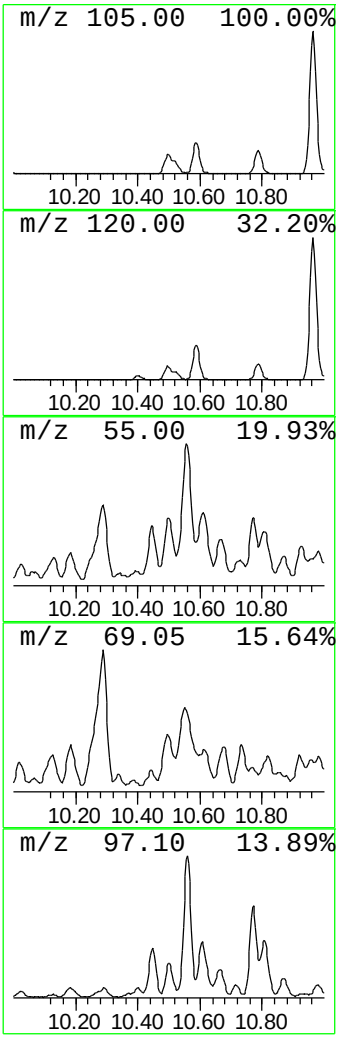
****

Peak Number 12 Benzene, 1-ethyl-3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	16.53 ug/L	202288	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	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	92
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

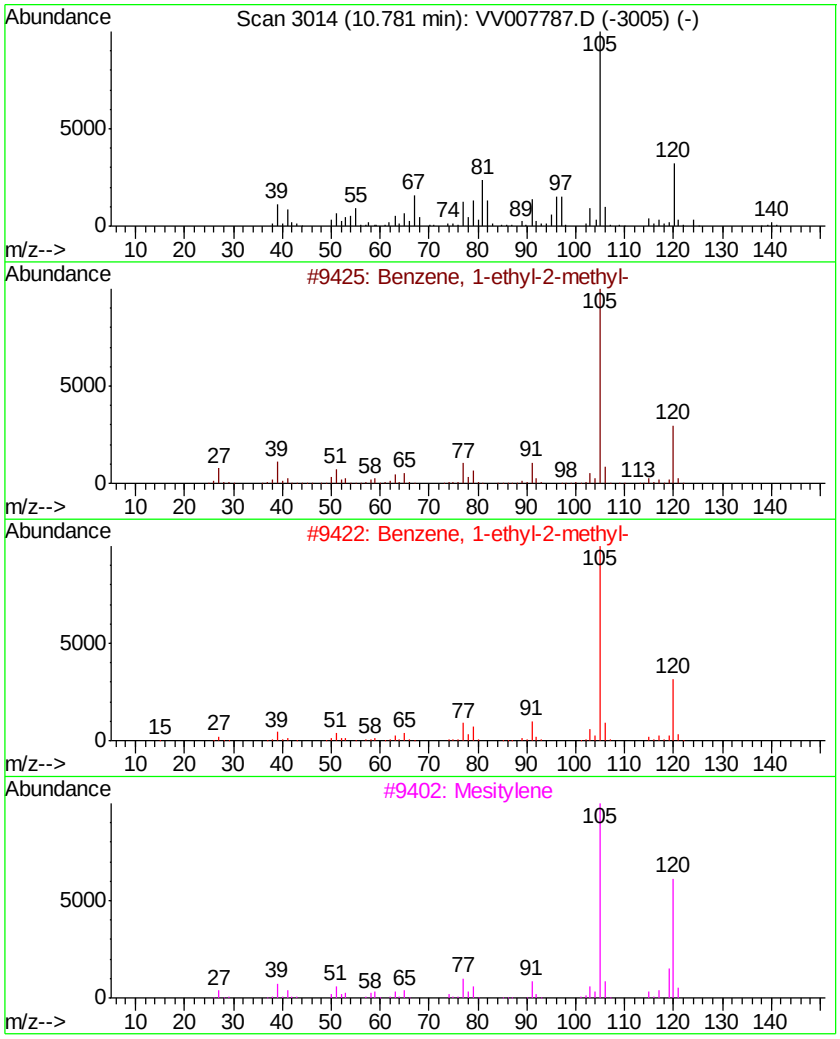
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

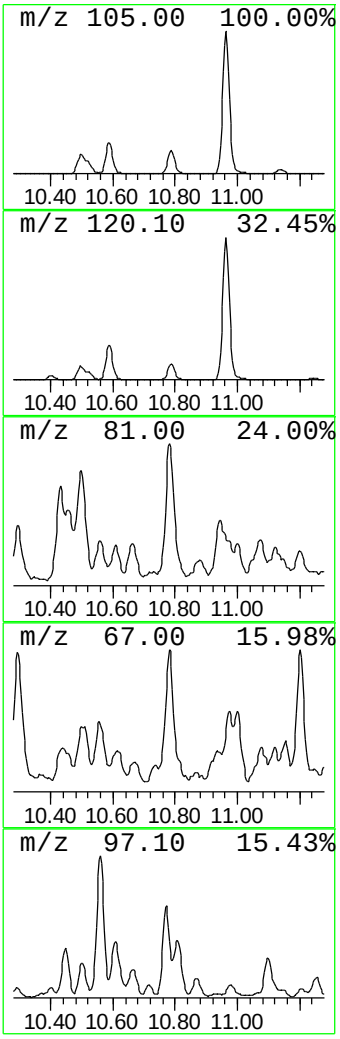
****

Peak Number 13 Benzene, 1-ethyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	19.22 ug/L	235270	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	92
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Mesitylene	120	C9H12	000108-67-8	64
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	64
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

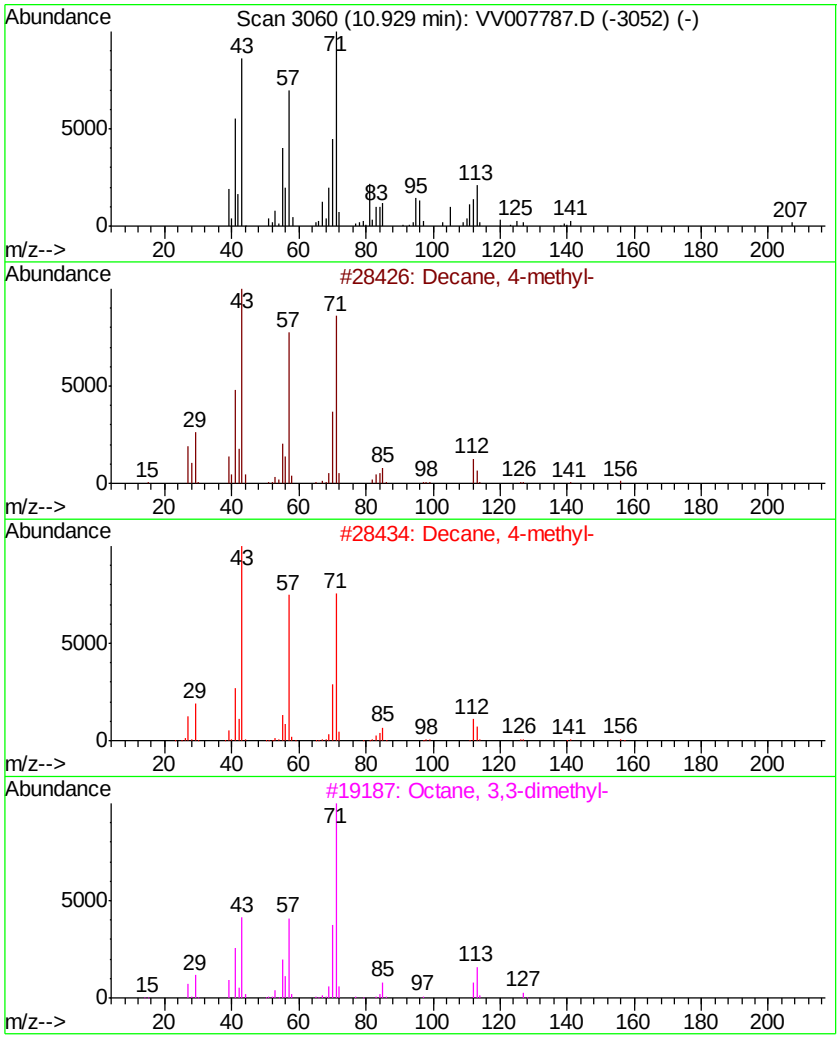
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
Quant Title : VOC Analysis

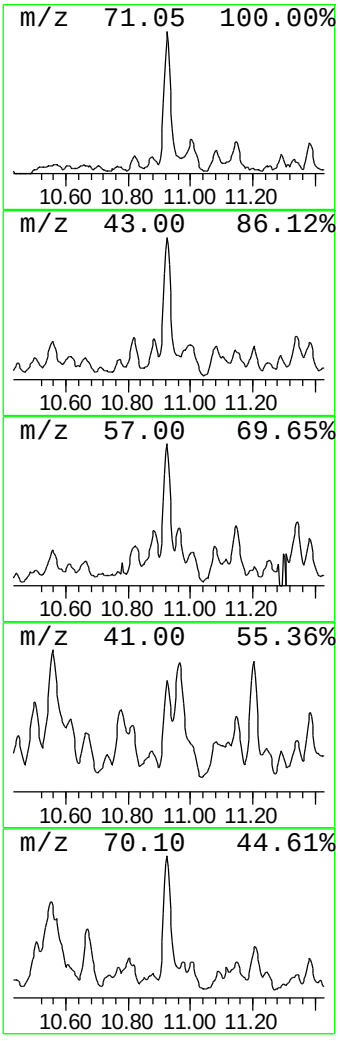
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	4.94 ug/L	60414	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	76
2	Decane, 4-methyl-	156	C11H24	002847-72-5	64
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	58
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	53
5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

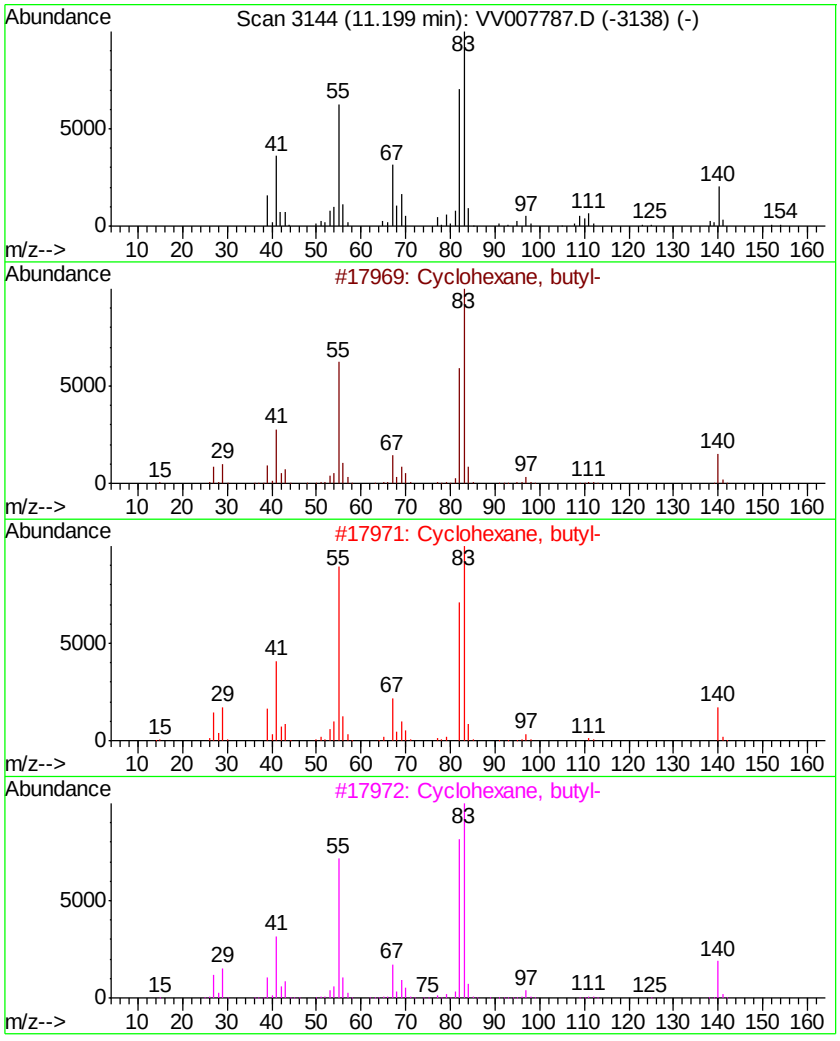
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

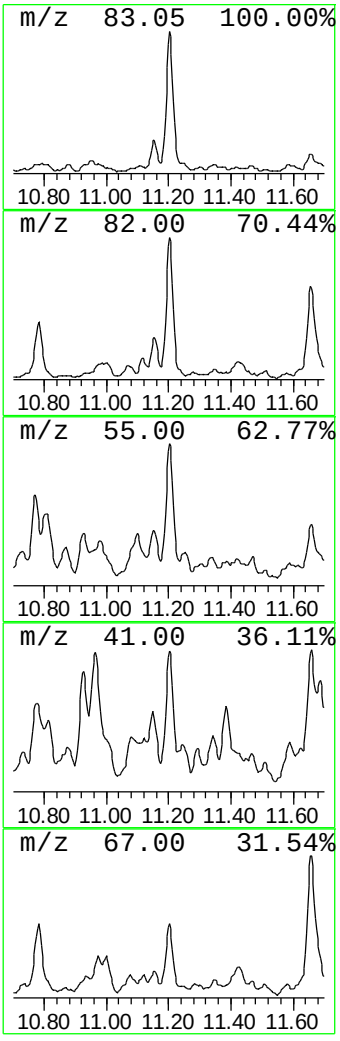
****

Peak Number 16 (DEL) Alkane: Cyclic11.20 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	6.63 ug/L	81156	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	90
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	64
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

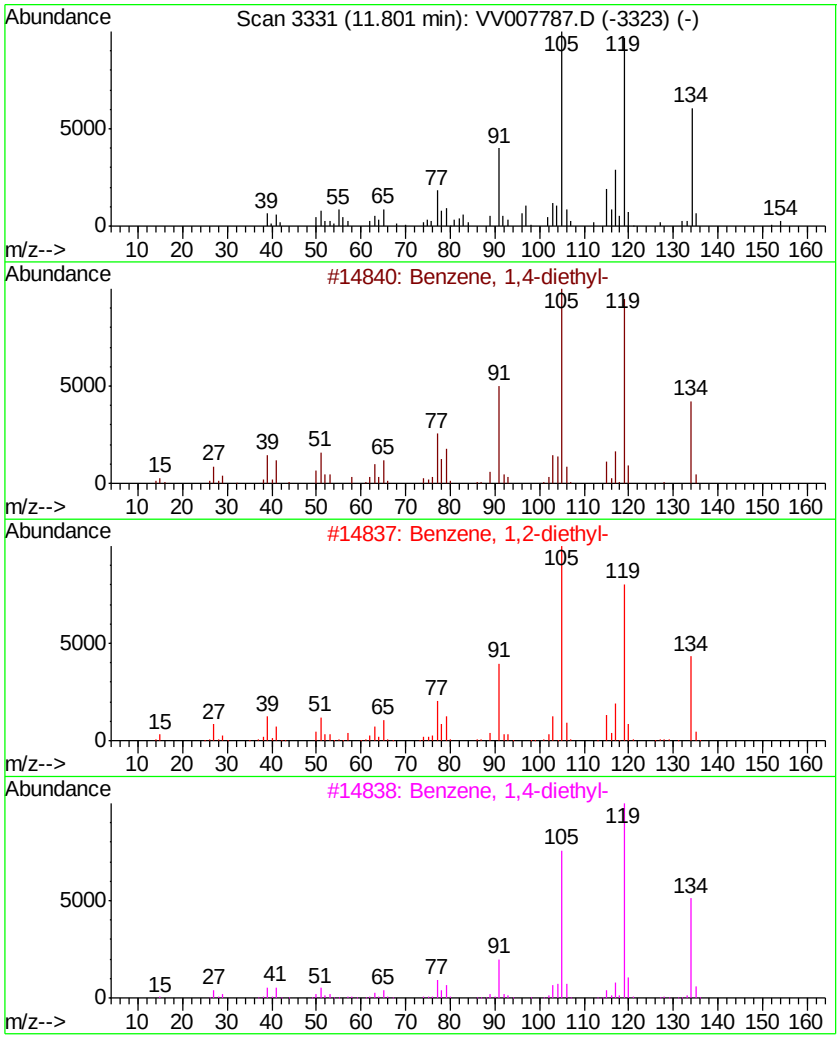
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

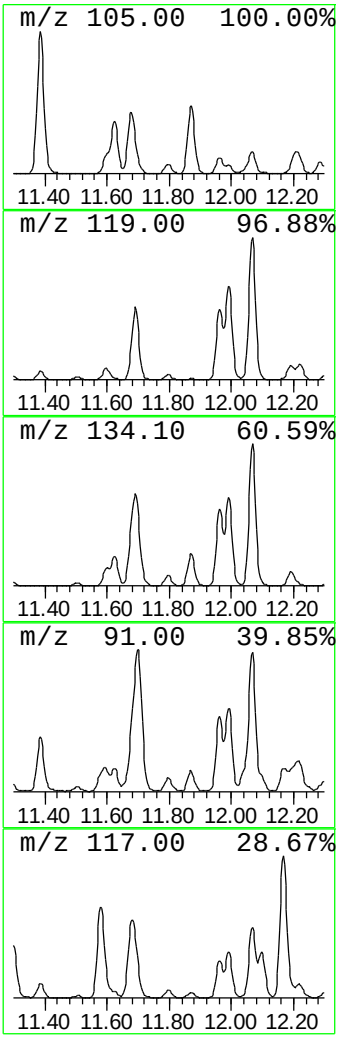
****

Peak Number 19 Benzene, 1,4-diethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	4.55 ug/L	55705	1,4-Dichlorobenzene-d4	11.30

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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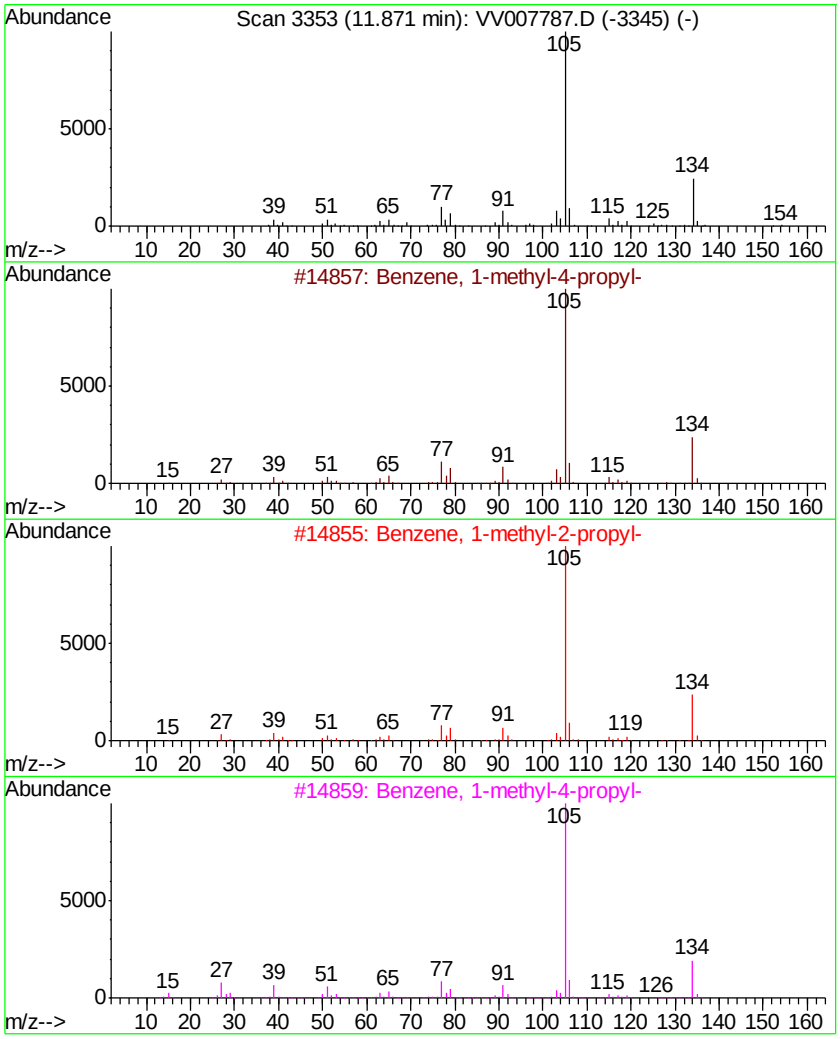
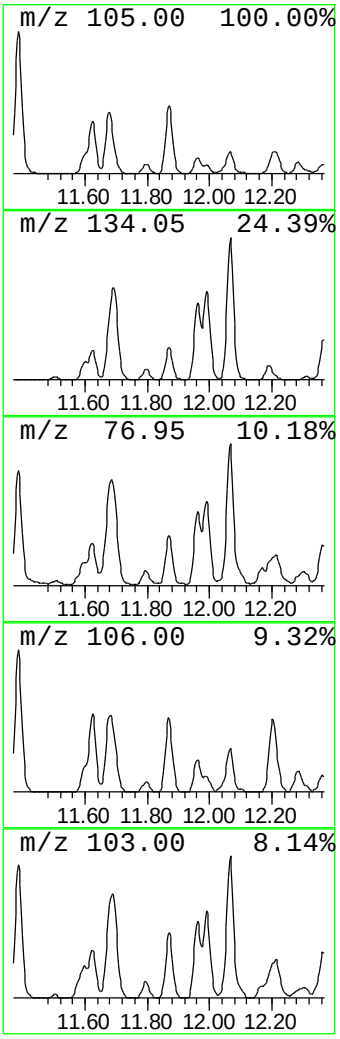
Peak Number 20 Benzene, 1-methyl-4-propyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	15.50 ug/L	189682	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-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

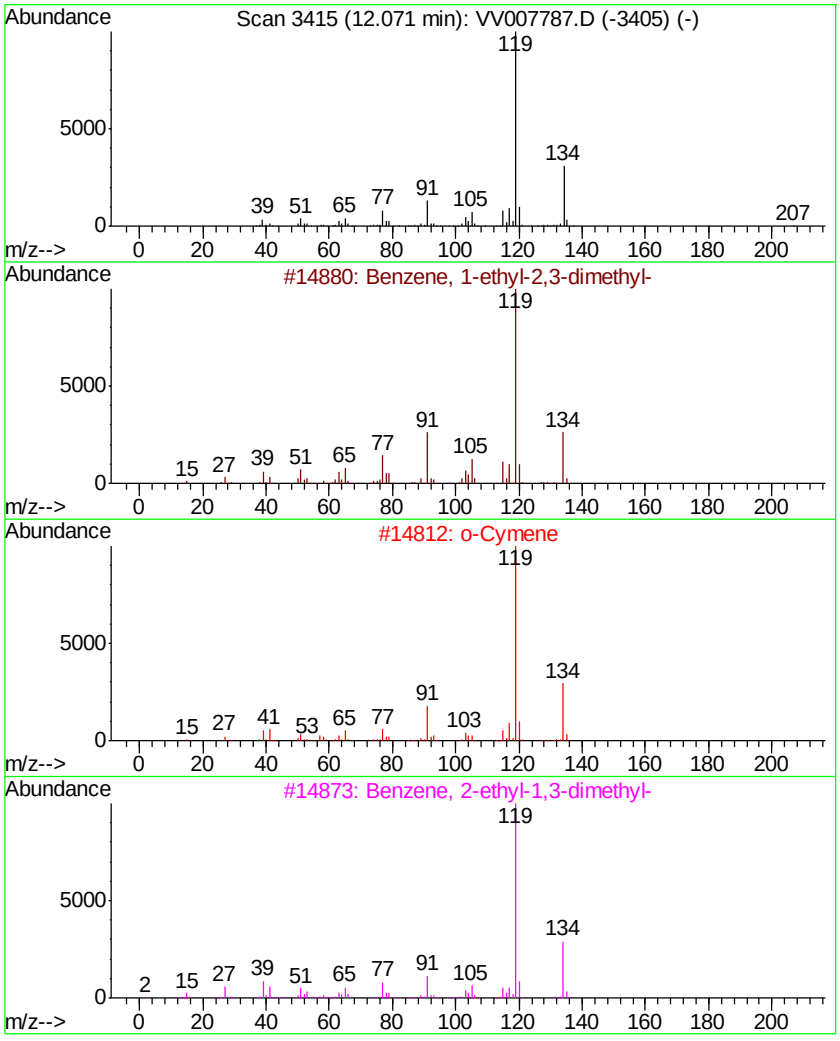
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

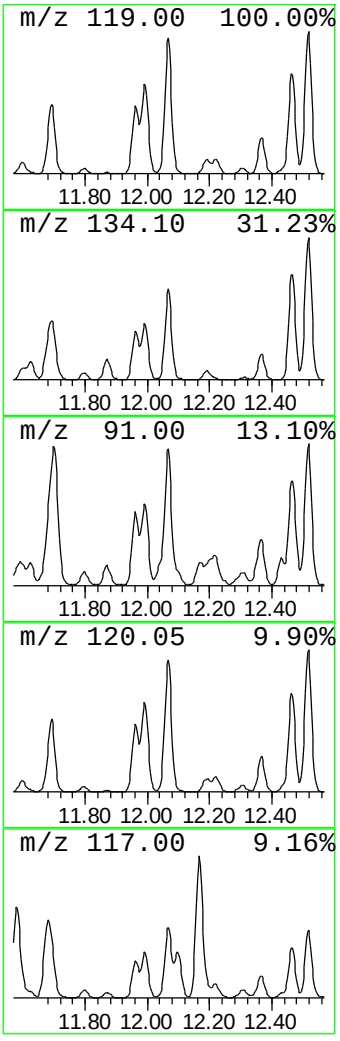
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	59.38 ug/L	726853	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	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

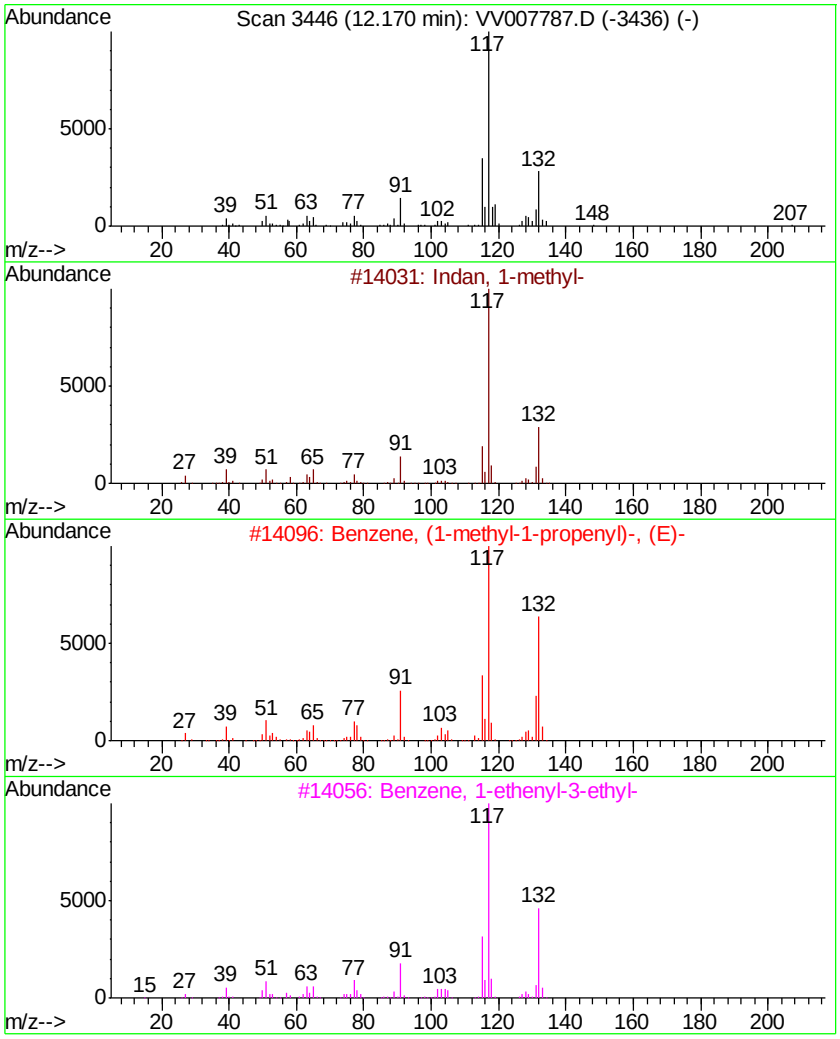
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

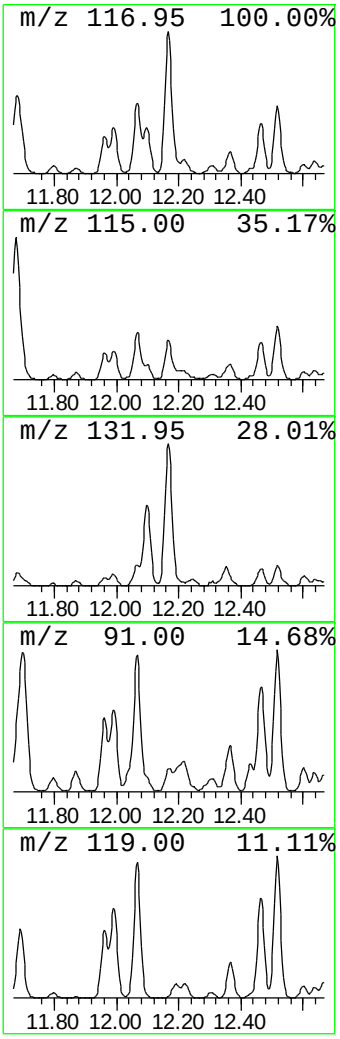
****

Peak Number 23 Indan, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	11.83 ug/L	144755	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

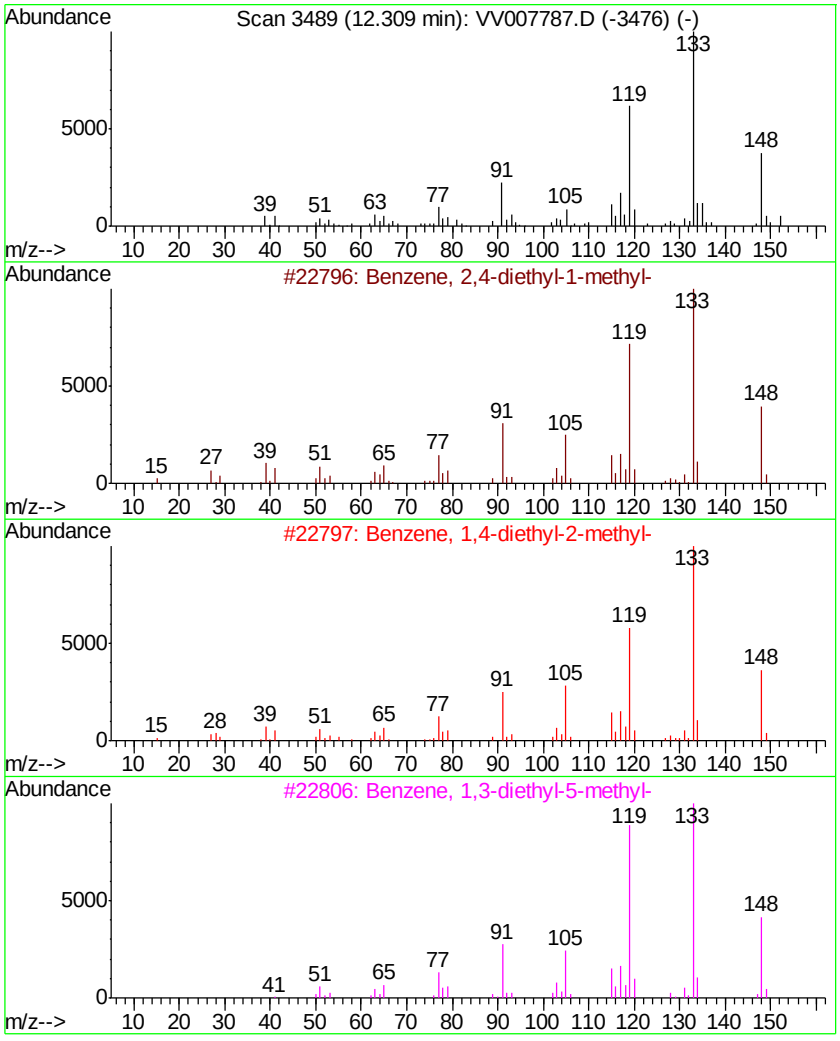
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

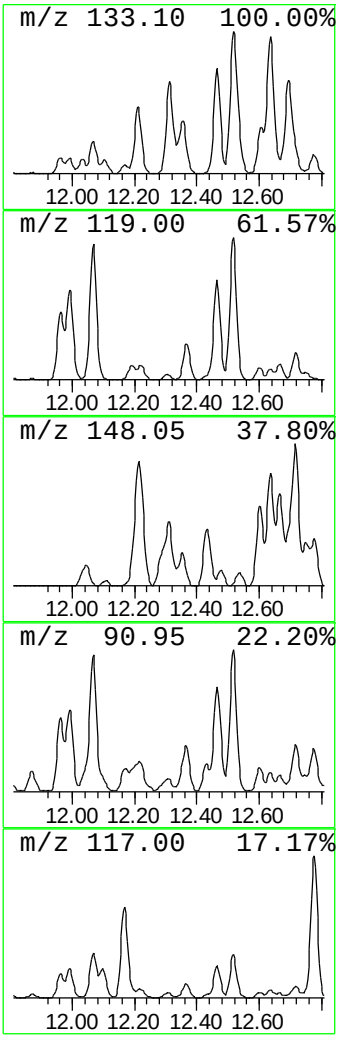
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	7.60 ug/L	93085	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	93
2	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	90
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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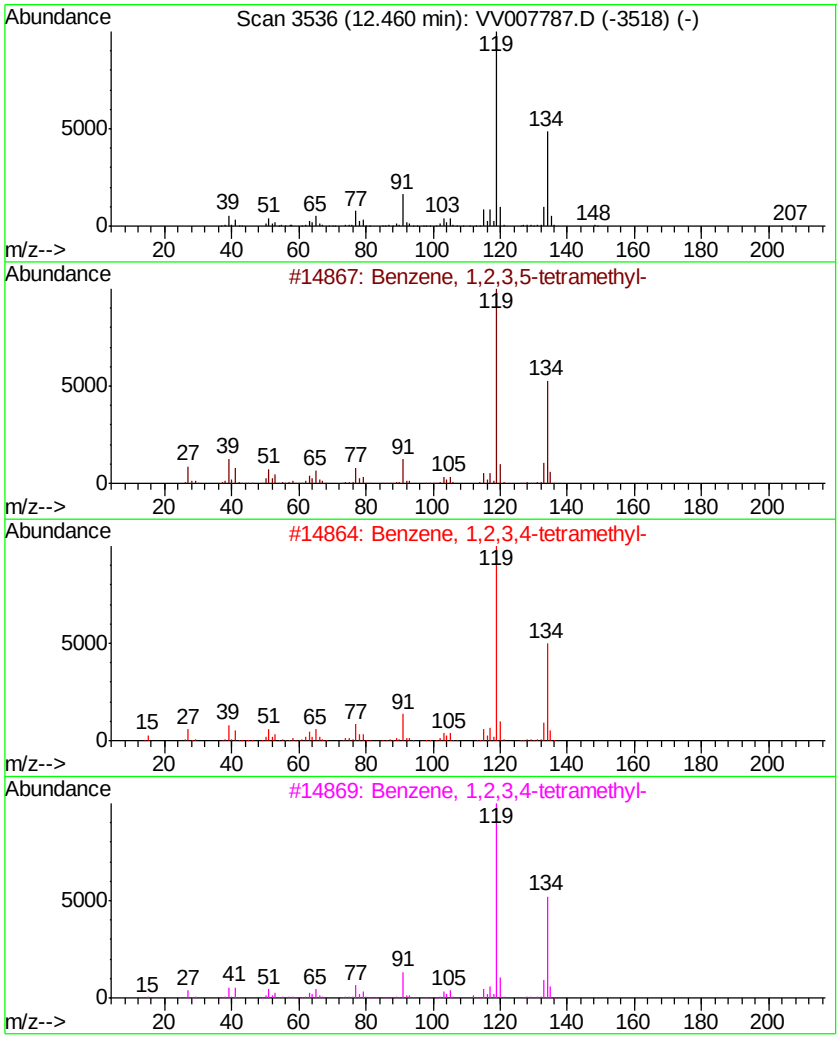
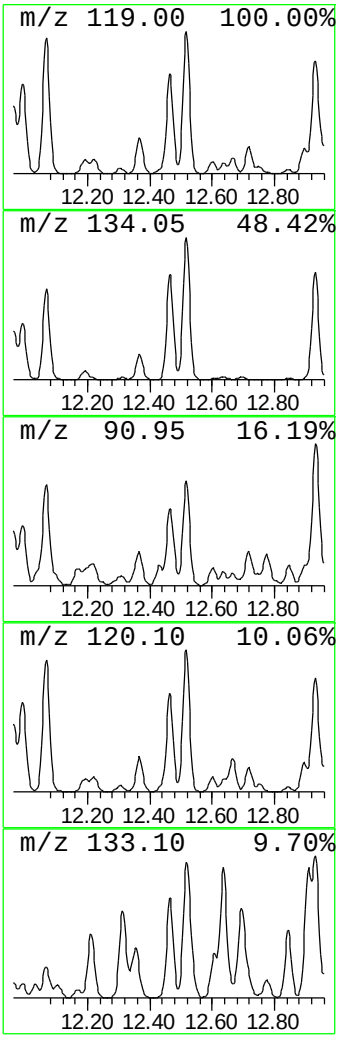
Peak Number 26 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	50.72 ug/L	620898	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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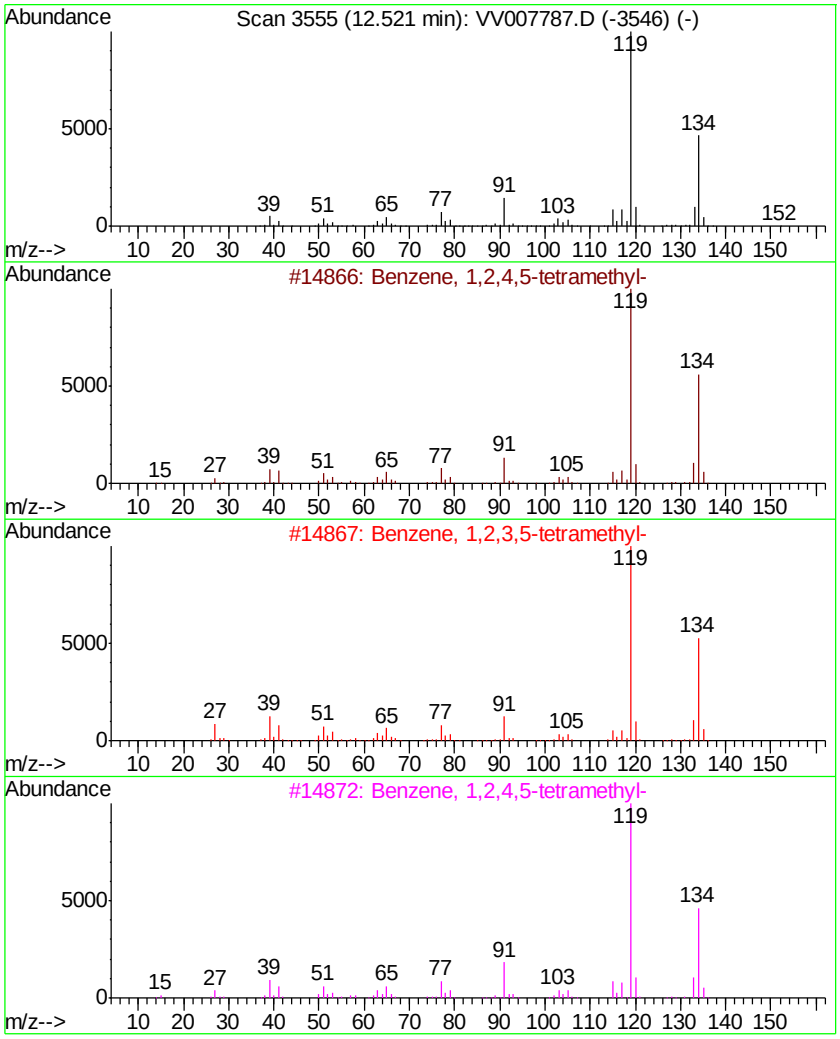
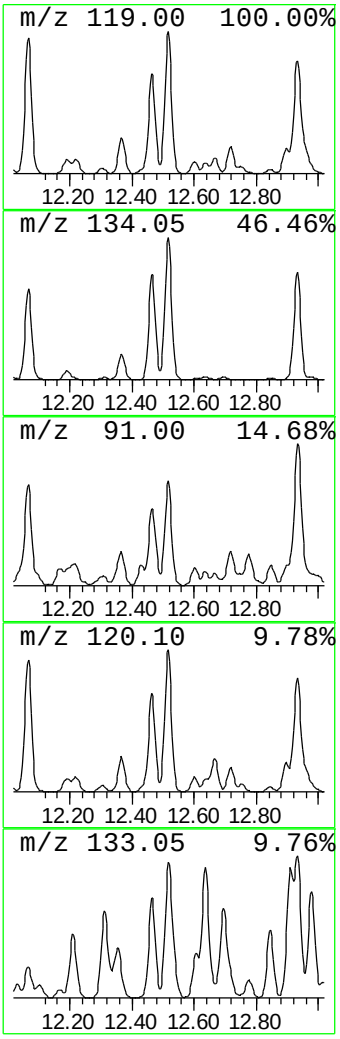
Peak Number 27 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	61.68 ug/L	754985	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	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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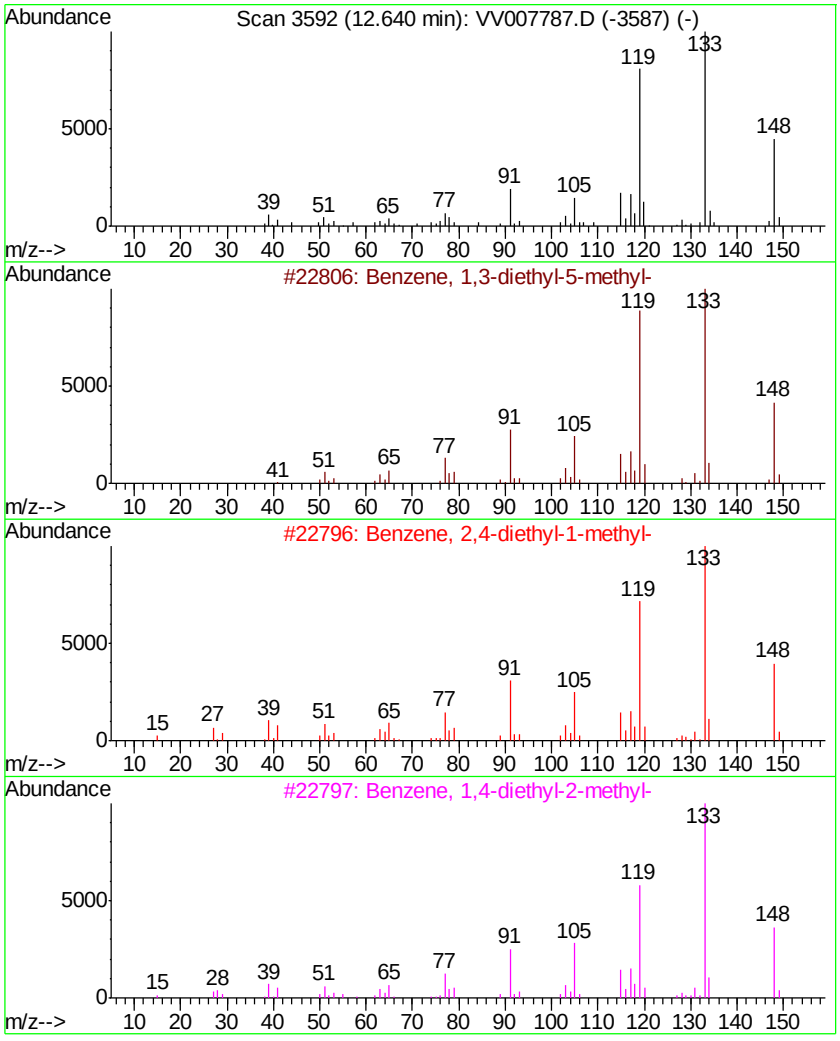
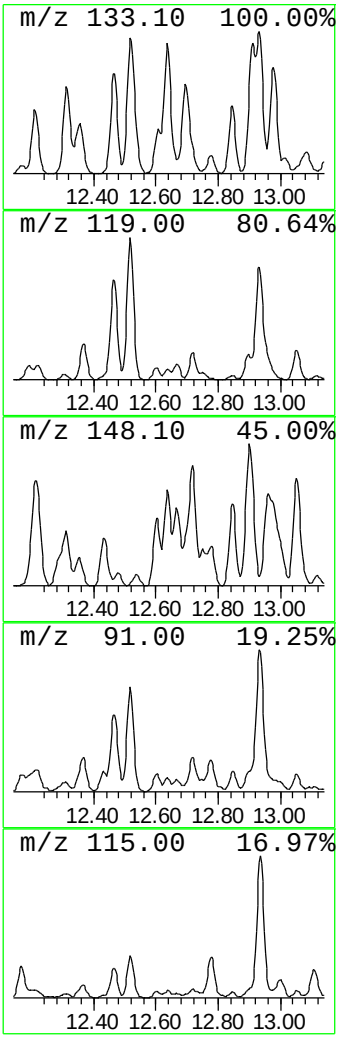
Peak Number 29 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	2.54 ug/L	31080	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	94
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	90
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	86
4	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	81
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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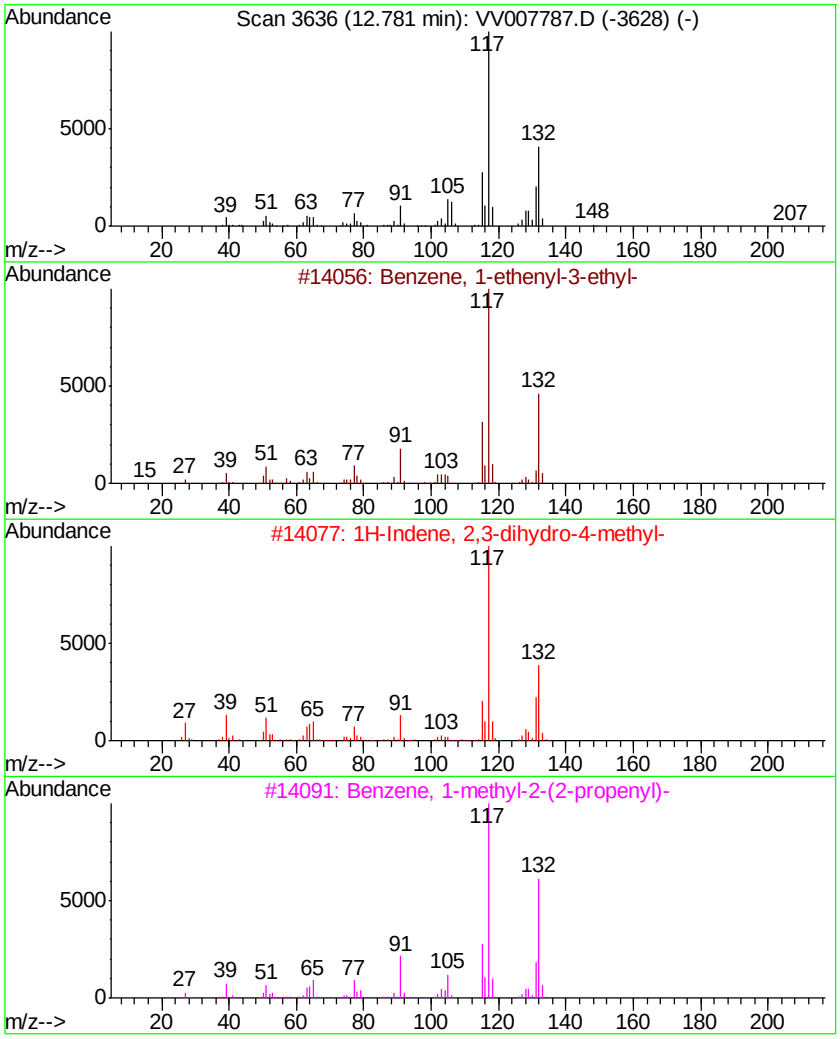
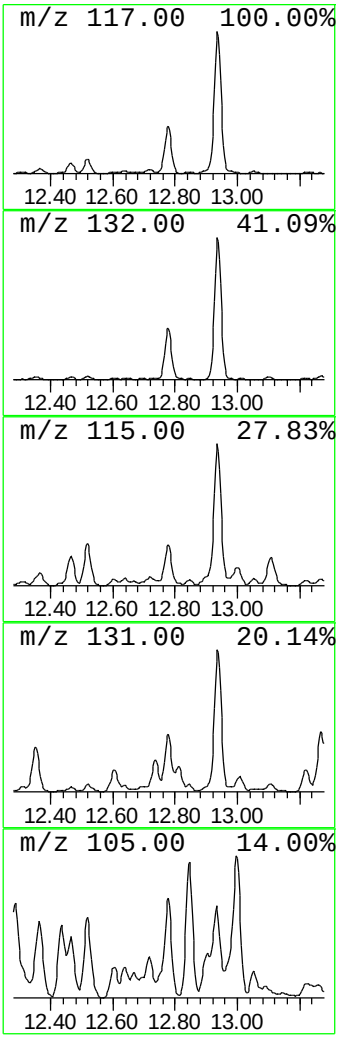
Peak Number 30 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	21.60 ug/L	264455	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	87
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
5	Indan, 1-methyl-	132	C10H12	000767-58-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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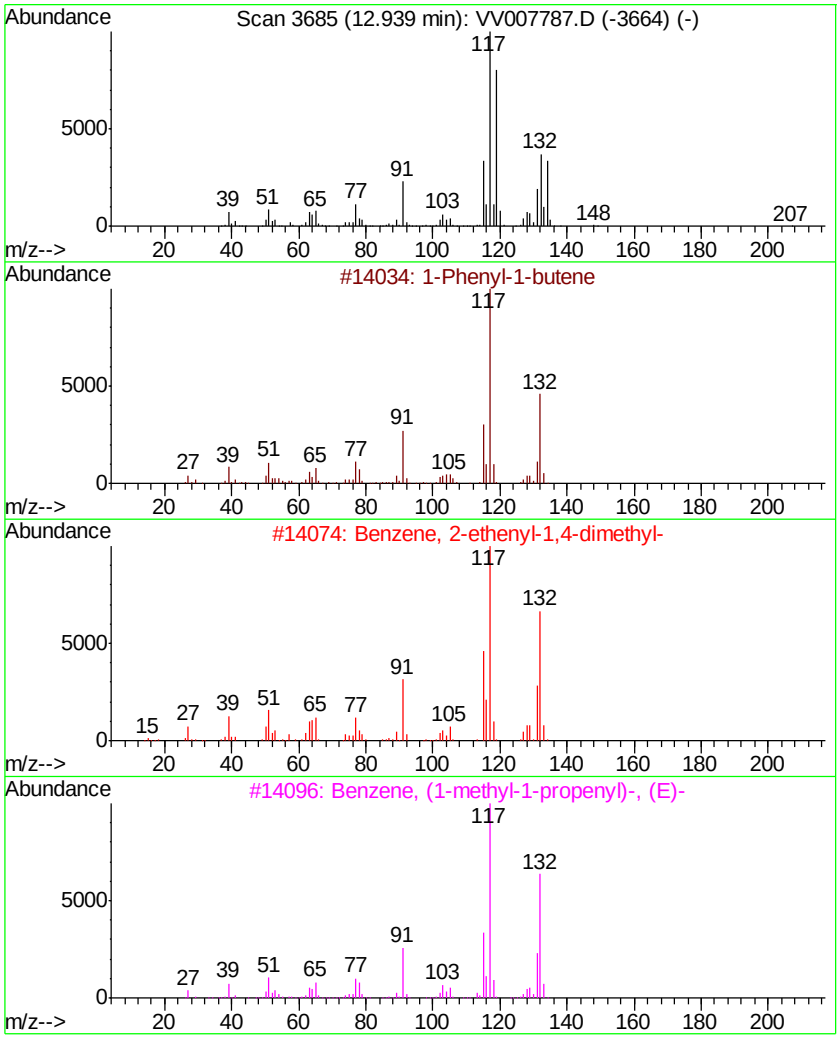
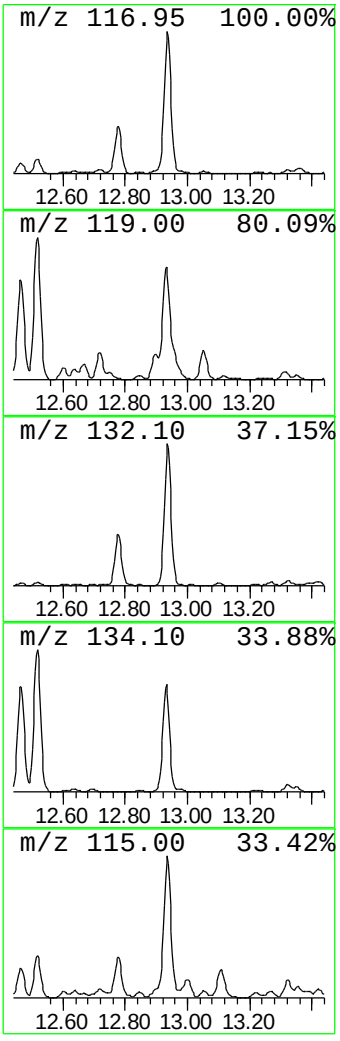
Peak Number 32 1-Phenyl-1-butene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	122.35 ug/L	1497620	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	83
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	64
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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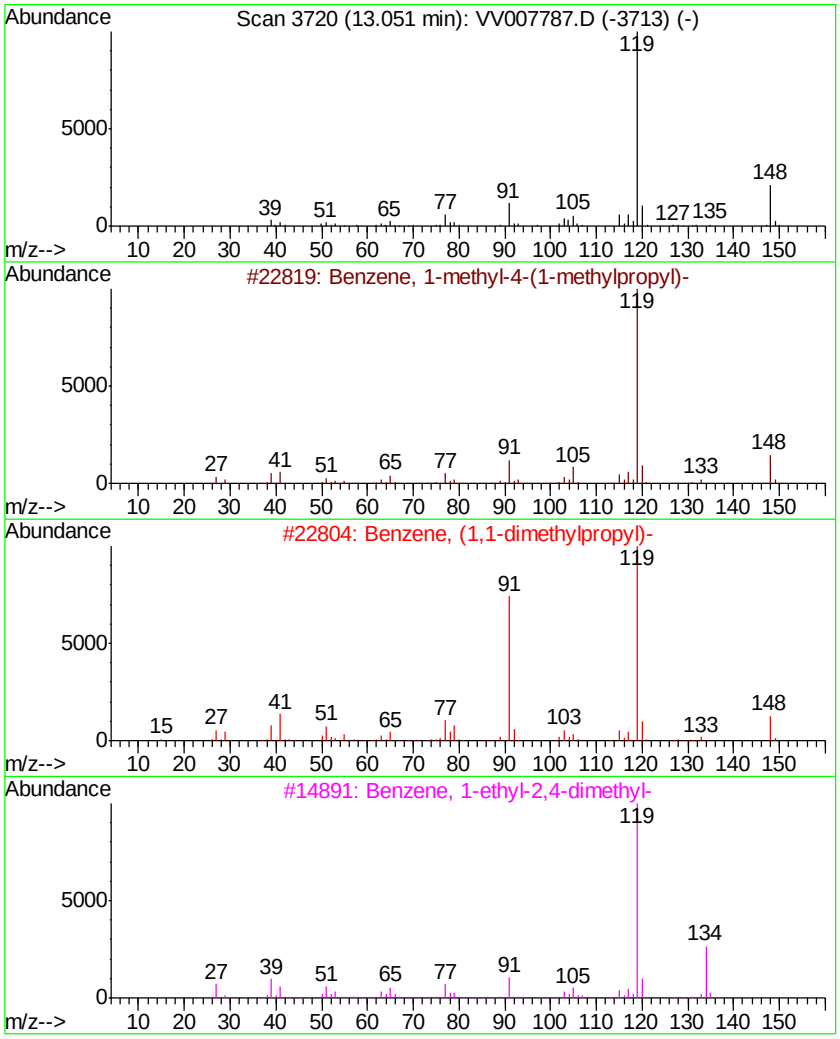
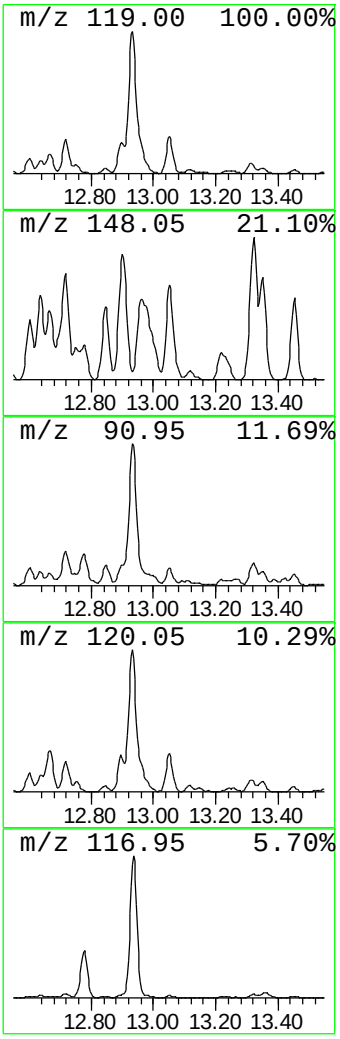
Peak Number 33 Benzene, 1-methyl-4-(1-meth... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	8.21 ug/L	100448	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	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	80
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	80
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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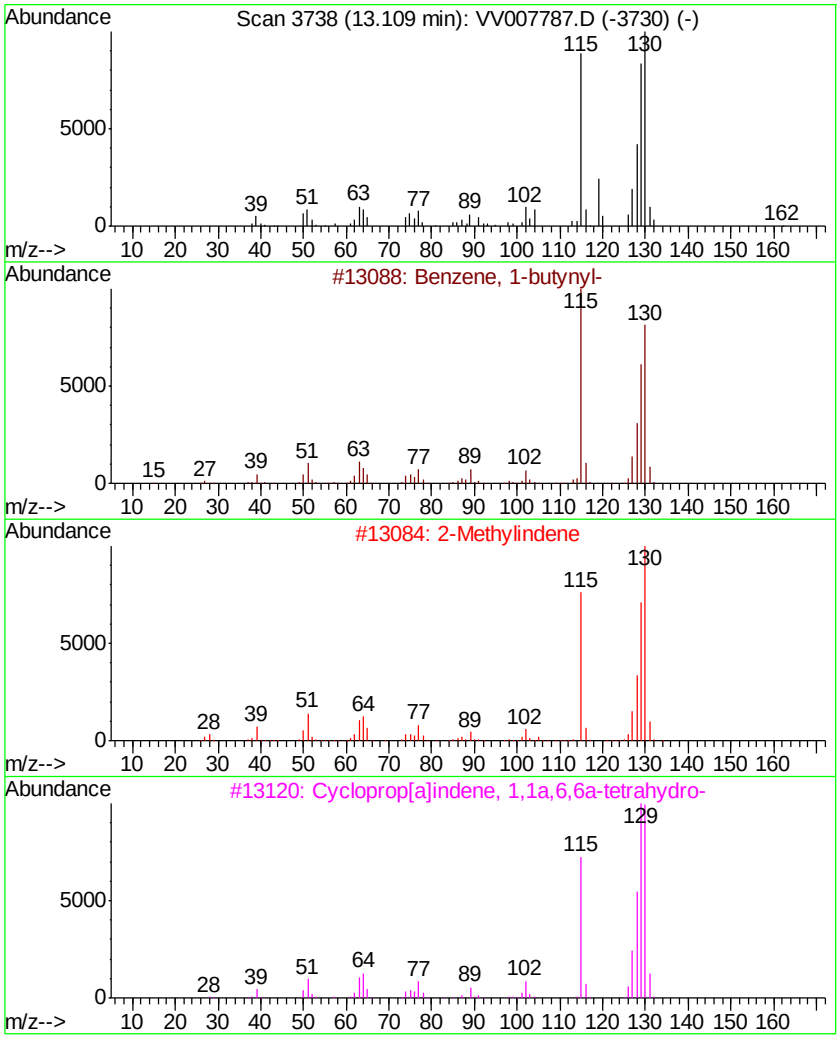
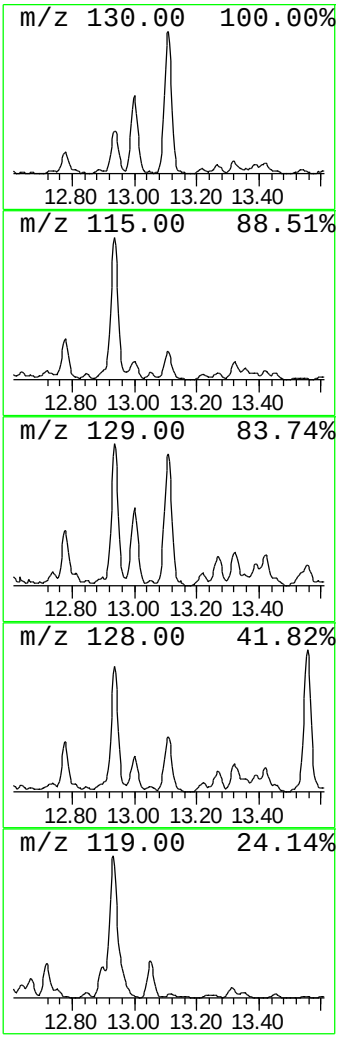
Peak Number 34 Benzene, 1-butynyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	9.96 ug/L	121909	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
2	2-Methylindene	130	C10H10	002177-47-1	93
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	91
4	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	90
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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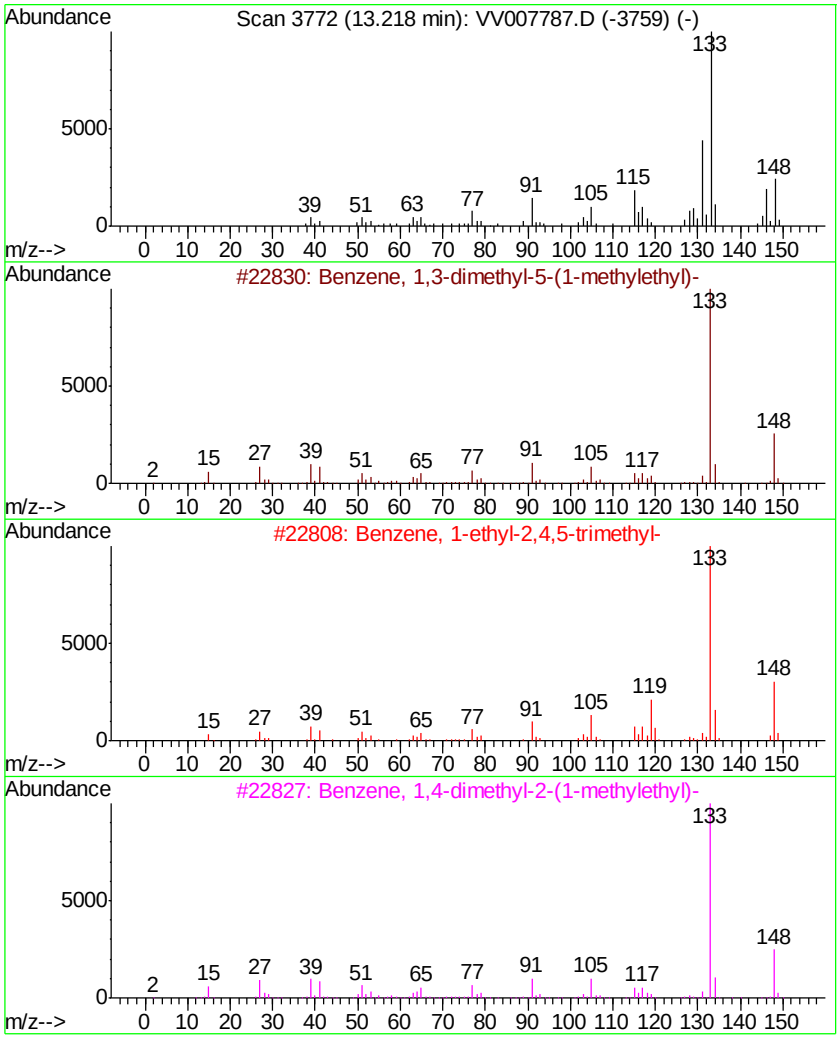
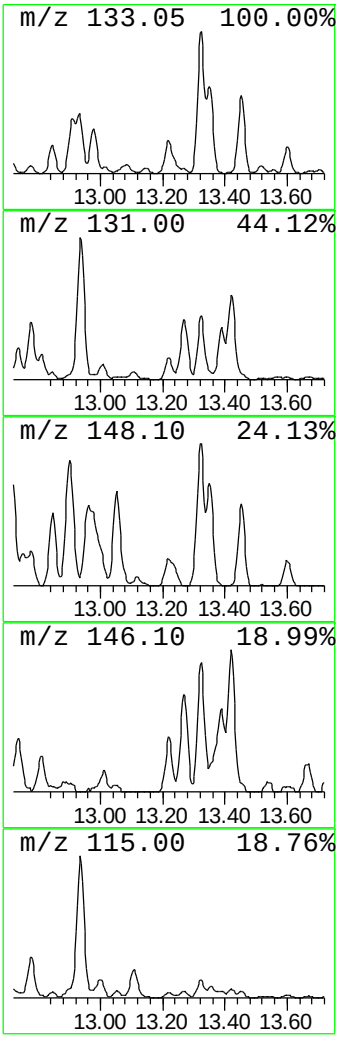
Peak Number 35 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	5.69 ug/L	69661	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	64
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58
3	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	53
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	52
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	52





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

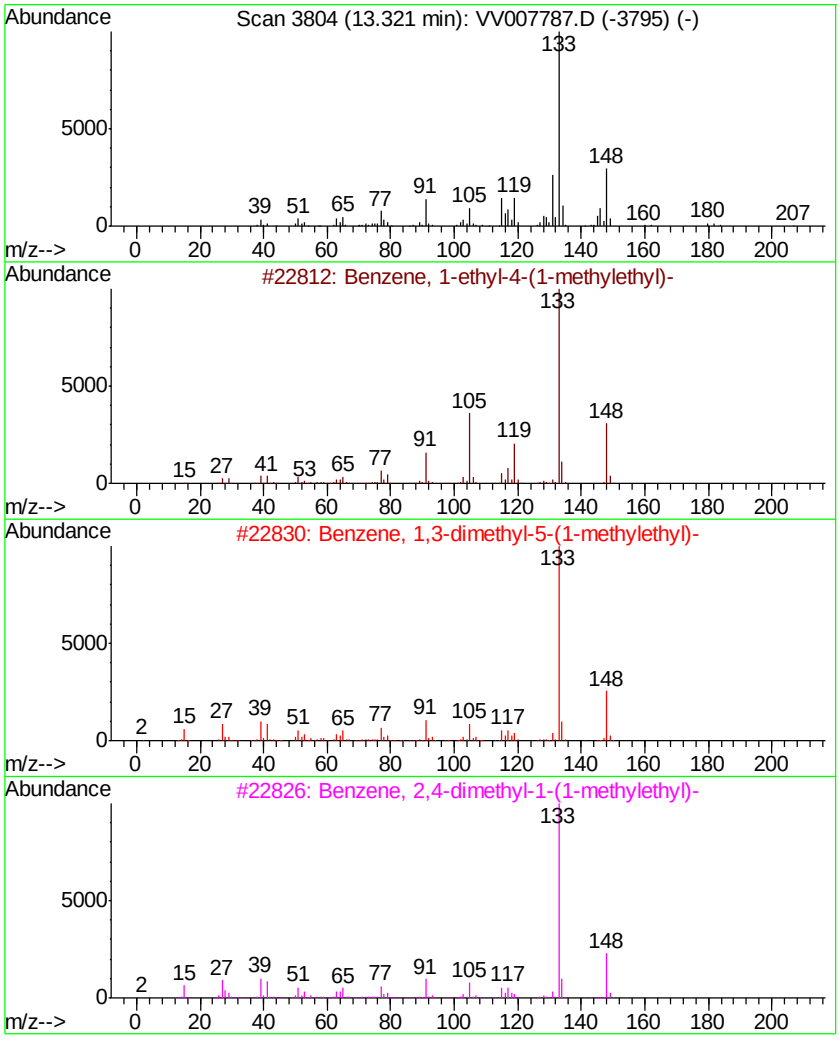
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

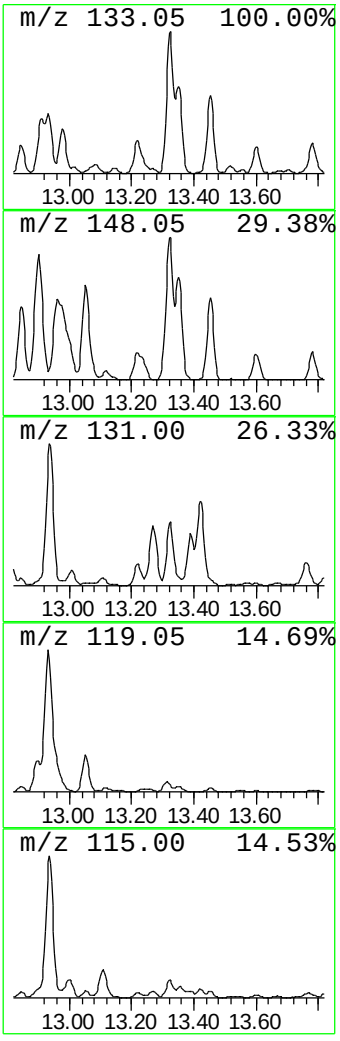
****

Peak Number 36 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	17.51 ug/L	214386	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	76
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	70
3	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	70
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	70
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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

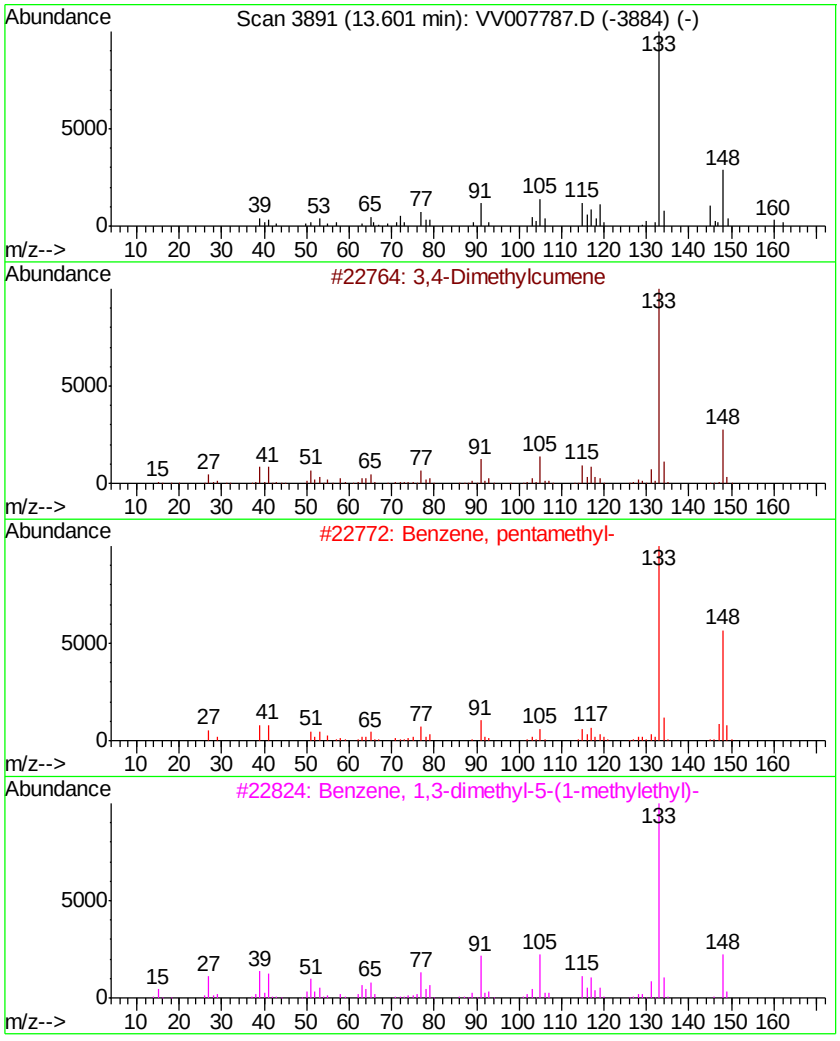
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

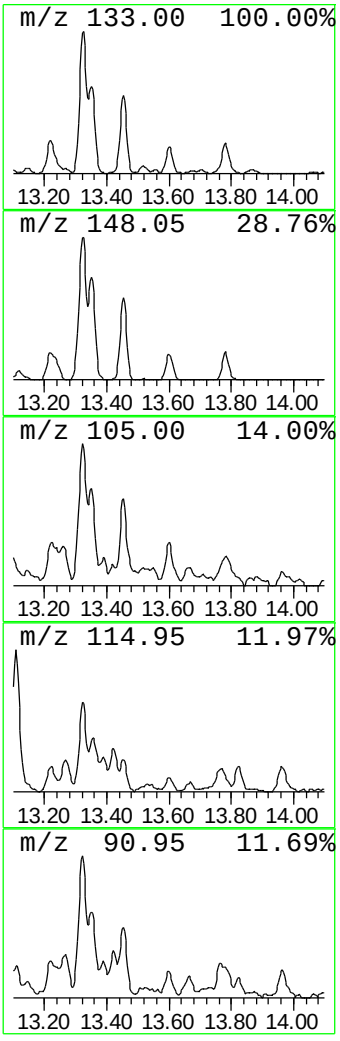
****

Peak Number 37 3,4-Dimethylcumene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	3.10 ug/L	37938	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	87
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	83
3	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	83
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	83
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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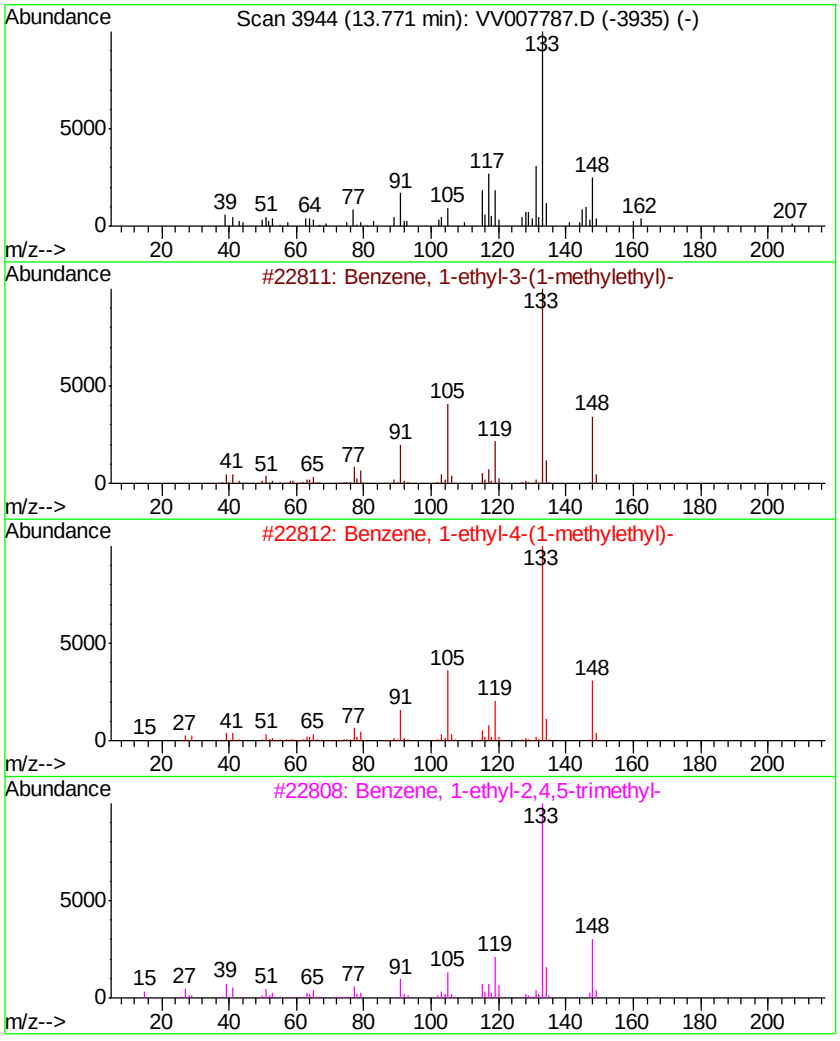
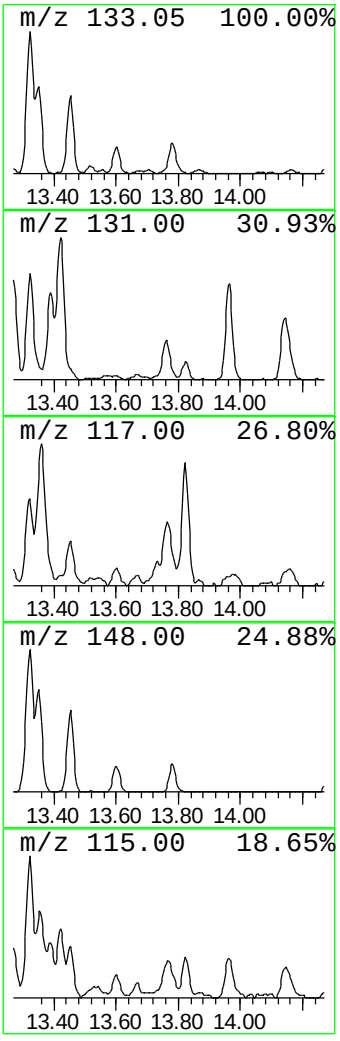
Peak Number 38 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	4.12 ug/L	50414	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-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
5	Benzene, 1,3-bis(1-formylethyl)-	190	C12H14O2	1000160-34-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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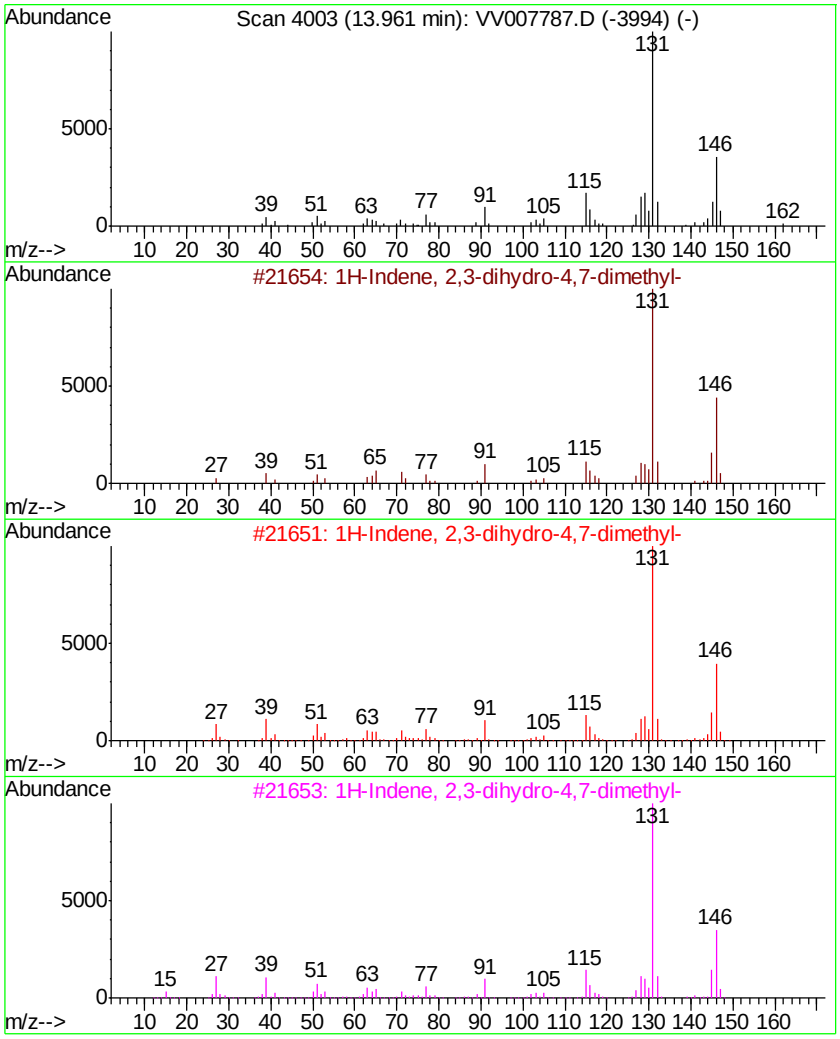
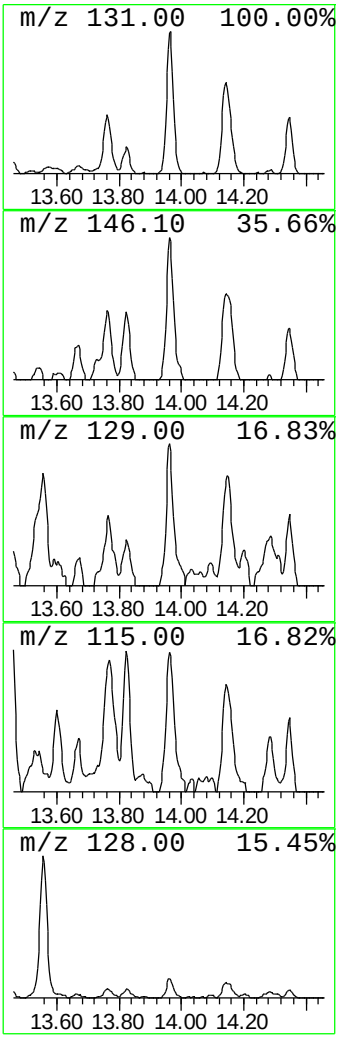
Peak Number 39 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	4.78 ug/L	58488	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	96
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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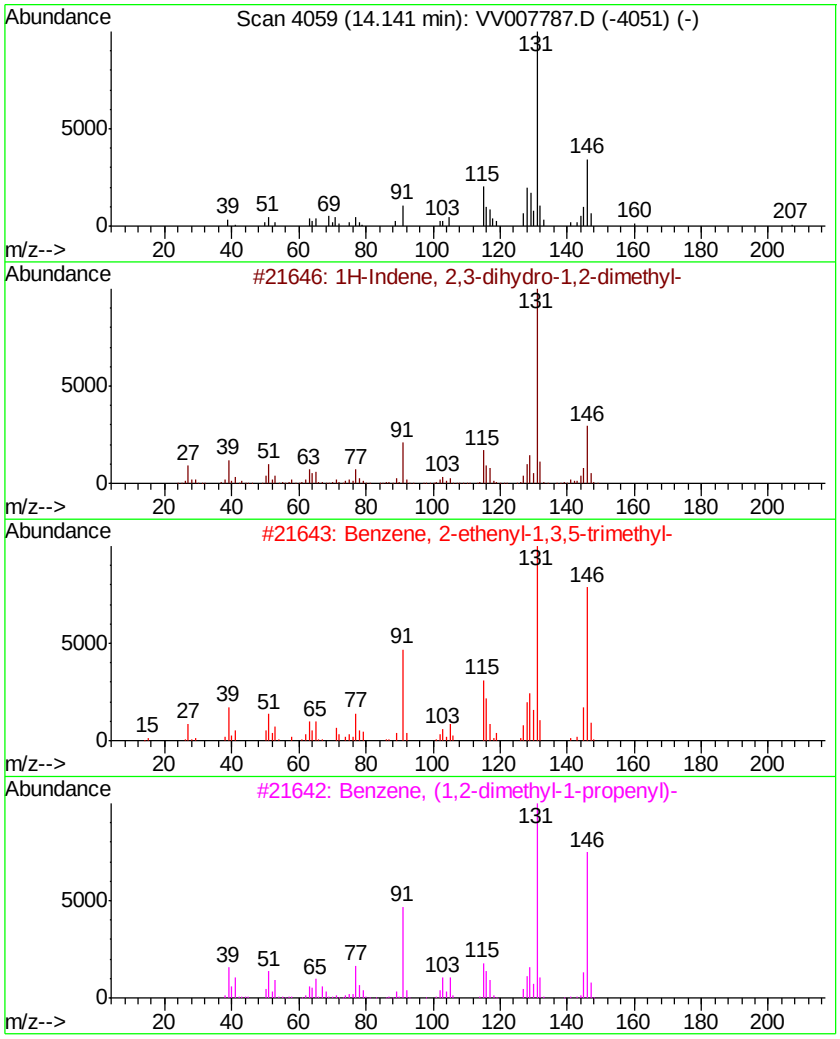
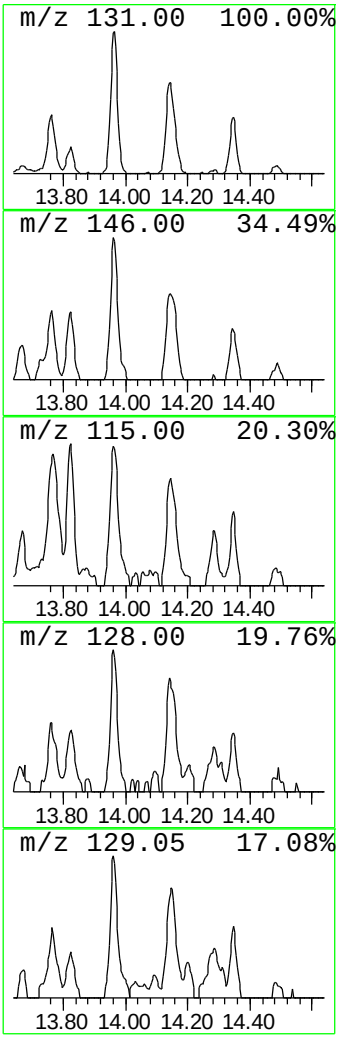
Peak Number 40 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	4.25 ug/L	51991	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	95
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	90
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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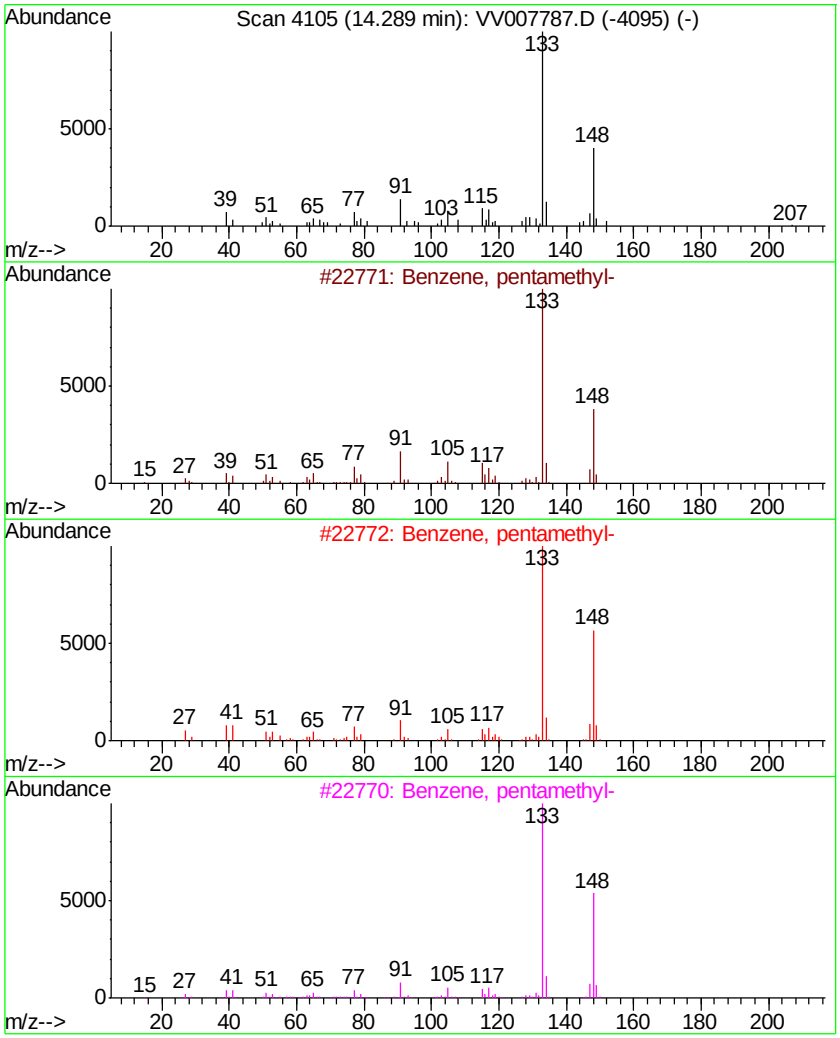
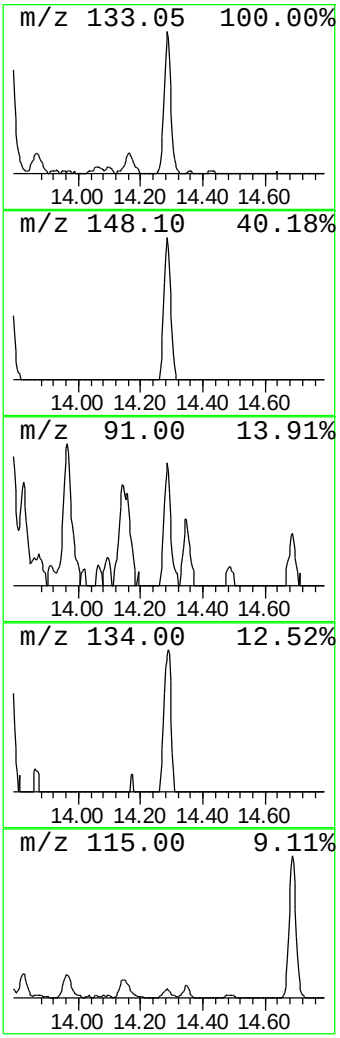
Peak Number 41 Benzene, pentamethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	2.94 ug/L	35969	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	94
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	91
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	91
4	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	90
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
Data File : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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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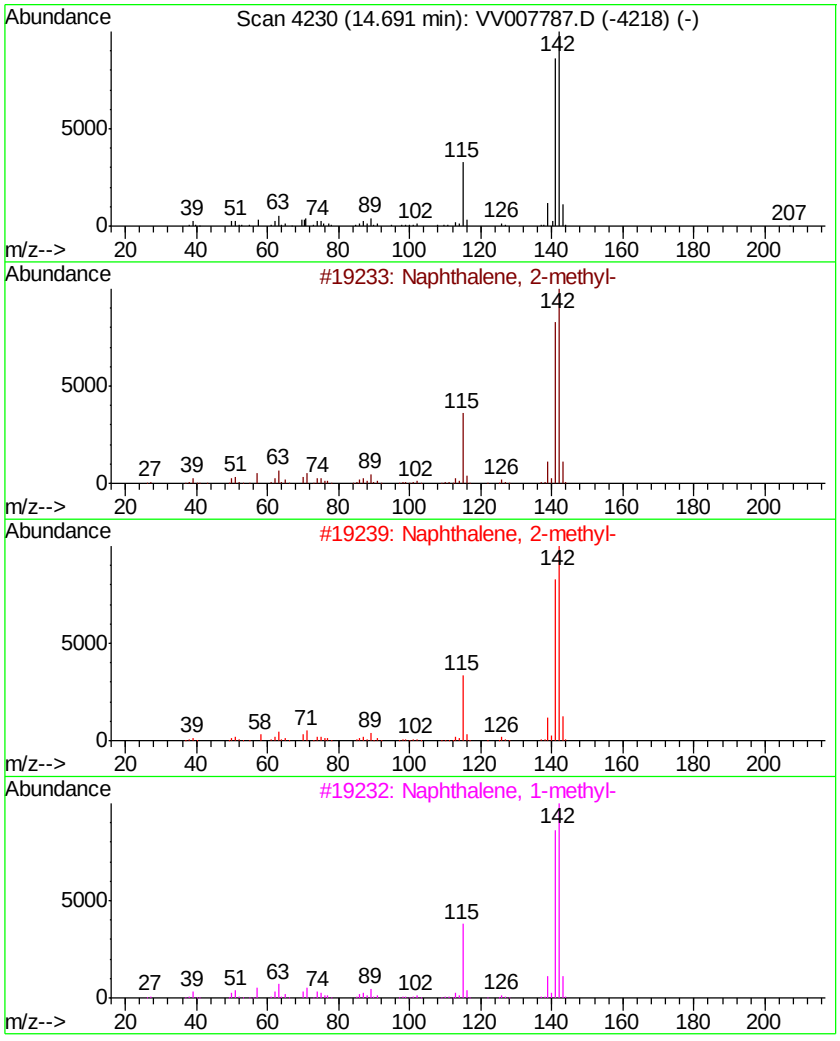
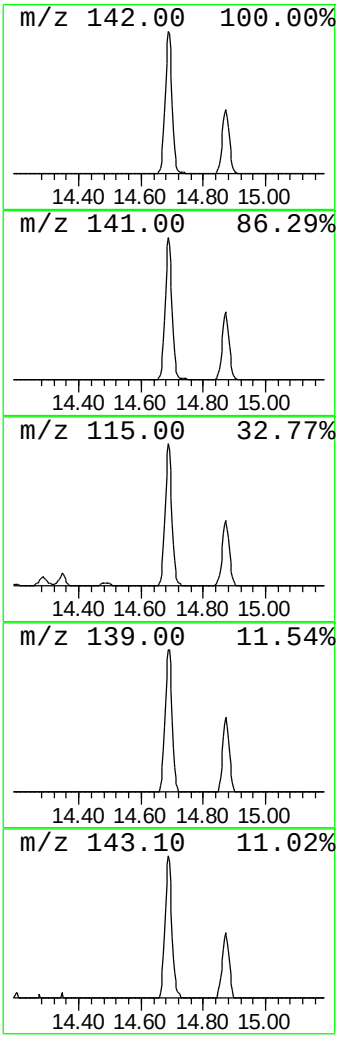
Peak Number 42 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	12.77 ug/L	156353	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	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 : VV007787.D
Acq On : 23 Sep 2018 14:43
Operator : SY/MD
Sample : J5014-02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : E8JB2

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...	8.40	2.9	ug/L	29062	2	8.90	496230	50.0
(DEL) Alkane: Cyc...	8.64	8.7	ug/L	85959	2	8.90	496230	50.0
(DEL) Alkane: Str...	8.70	3.2	ug/L	31314	2	8.90	496230	50.0
(DEL) Alkane: Str...	8.83	3.9	ug/L	38309	2	8.90	496230	50.0
Cyclohexene, 4-pr...	9.37	2.5	ug/L	25176	2	8.90	496230	50.0
(DEL) Alkane: Cyc...	9.52	28.5	ug/L	283289	2	8.90	496230	50.0
(DEL) Alkane: Cyc...	9.72	4.8	ug/L	47383	2	8.90	496230	50.0
Pentalene, octahy...	9.76	10.9	ug/L	107960	2	8.90	496230	50.0
(DEL) Alkane: Cyc...	9.85	18.2	ug/L	180808	2	8.90	496230	50.0
unknown-01	10.18	4.8	ug/L	58588	3	11.30	612028	50.0
Benzene, 1-ethyl-...	10.50	16.5	ug/L	202288	3	11.30	612028	50.0
Benzene, 1-ethyl-...	10.78	19.2	ug/L	235270	3	11.30	612028	50.0
(DEL) Alkane: Str...	10.93	4.9	ug/L	60414	3	11.30	612028	50.0
(DEL) Alkane: Cyc...	11.20	6.6	ug/L	81156	3	11.30	612028	50.0
Benzene, 1,4-diet...	11.80	4.5	ug/L	55705	3	11.30	612028	50.0
Benzene, 1-methyl...	11.87	15.5	ug/L	189682	3	11.30	612028	50.0
Benzene, 1-ethyl-...	12.07	59.4	ug/L	726853	3	11.30	612028	50.0
Indan, 1-methyl-	12.17	11.8	ug/L	144755	3	11.30	612028	50.0
Benzene, 2,4-diet...	12.31	7.6	ug/L	93085	3	11.30	612028	50.0
Benzene, 1,2,3,5-...	12.46	50.7	ug/L	620898	3	11.30	612028	50.0
Benzene, 1,2,4,5-...	12.52	61.7	ug/L	754985	3	11.30	612028	50.0
Benzene, 1,3-diet...	12.64	2.5	ug/L	31080	3	11.30	612028	50.0
Benzene, 1-etheny...	12.78	21.6	ug/L	264455	3	11.30	612028	50.0
1-Phenyl-1-butene	12.94	122.3	ug/L	1497620	3	11.30	612028	50.0
Benzene, 1-methyl...	13.05	8.2	ug/L	100448	3	11.30	612028	50.0
Benzene, 1-butynyl-	13.11	10.0	ug/L	121909	3	11.30	612028	50.0
Benzene, 1,3-dime...	13.22	5.7	ug/L	69661	3	11.30	612028	50.0
Benzene, 1-ethyl-...	13.32	17.5	ug/L	214386	3	11.30	612028	50.0
3,4-Dimethylcumene	13.60	3.1	ug/L	37938	3	11.30	612028	50.0
Benzene, 1-ethyl-...	13.77	4.1	ug/L	50414	3	11.30	612028	50.0
1H-Indene, 2,3-di...	13.96	4.8	ug/L	58488	3	11.30	612028	50.0
1H-Indene, 2,3-di...	14.14	4.3	ug/L	51991	3	11.30	612028	50.0
Benzene, pentamet...	14.29	2.9	ug/L	35969	3	11.30	612028	50.0
Naphthalene, 1-me...	14.69	12.8	ug/L	156353	3	11.30	612028	50.0