LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

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_W\METHOD\SOM2WLM111418S.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	1.959	6	9	16	rVB3	3627	5125	0.47%	0.041%
2	2.172	41	44	48	rVB3	2384	2957	0.27%	0.024%
3	2.355	68	74	81	rVB	40644	64477	5.87%	0.522%
4	2.501	94	98	105	rBV2	1059	1834	0.17%	0.015%
5	2.891	155	162	173	rVV	29951	57997	5.28%	0.470%
6	3.032	177	185	194	rBV4	2172	5432	0.49%	0.044%
7	3.276	219	225	232	rBV5	886	2056	0.19%	0.017%
8	3.391	239	244	249	rVB4	1136	2159	0.20%	0.017%
9	3.861	315	321	322	rBV3	687	1005	0.09%	0.008%
10	4.025	336	348	358	rBV	77357	203754	18.56%	1.650%
11	4.141	358	367	380	rVB3	2757	9150	0.83%	0.074%
12	4.915	486	494	508	rVV3	10435	34802	3.17%	0.282%
13	5.421	570	577	578	rBV3	712	967	0.09%	0.008%
14	5.440	578	580	587	rVB4	1148	2152	0.20%	0.017%
15	5.952	655	664	673	rVB6	2059	5997	0.55%	0.049%
16	7.086	840	850	856	rBV	17521	50507	4.60%	0.409%
17	7.653	933	943	961	rBV	93558	248569	22.65%	2.012%
18	8.037	1000	1006	1011	rBV3	874	1662	0.15%	0.013%
19	8.281	1031	1046	1060	rBV2	200771	587835	53.56%	4.759%
20	8.415	1064	1068	1071	rBV4	665	1097	0.10%	0.009%
21	8.579	1089	1095	1098	rBV2	725	1018	0.09%	0.008%
22	8.848	1128	1139	1149	rBV	198986	392087	35.72%	3.174%
23	9.079	1174	1177	1178	rBV2	1018	974	0.09%	0.008%
24	9.281	1200	1210	1224	rBV	128358	276582	25.20%	2.239%
25	9.610	1253	1264	1270	rBV2	7531	16737	1.52%	0.136%
26	9.756	1279	1288	1297	rBV2	12736	26067	2.37%	0.211%
27	9.896	1304	1311	1316	rBV3	5611	11323	1.03%	0.092%
28	9.951	1316	1320	1324	rVB3	2487	4134	0.38%	0.033%
29	10.037	1327	1334	1340	rBV	70377	128331	11.69%	1.039%
30	10.219	1355	1364	1367	rBV5	3437	7553	0.69%	0.061%
31	10.329	1374	1382	1391	rBV	313399	564658	51.44%	4.571%
32	10.500	1404	1410	1417	rVB3	7569	17645	1.61%	0.143%
33	10.579	1417	1423	1428	rBV	45423	79537	7.25%	0.644%
34	10.671	1433	1438	1442	rBV2	31312	48117	4.38%	0.390%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

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_W\METHOD\SOM2WLM111418S.M
Title : VOC Analysis

35	10.732	1442	1448	1449	rBV3	10402	21275	1.94%	0.172%
36	10.933	1472	1481	1490	rVB2	83573	158691	14.46%	1.285%
37	11.042	1490	1499	1500	rBV5	7238	15251	1.39%	0.123%
38	11.067	1500	1503	1507	rVB2	10506	15319	1.40%	0.124%
39	11.116	1507	1511	1513	rBV	8573	11947	1.09%	0.097%
40	11.146	1514	1516	1520	rVV2	9466	13726	1.25%	0.111%
41	11.231	1524	1530	1535	rVV3	36566	71130	6.48%	0.576%
42	11.286	1535	1539	1543	rVV2	19772	34744	3.17%	0.281%
43	11.335	1543	1547	1552	rVB	35215	58253	5.31%	0.472%
44	11.384	1552	1555	1559	rVB4	3145	4221	0.38%	0.034%
45	11.439	1559	1564	1572	rVB2	86600	152037	13.85%	1.231%
46	11.524	1572	1578	1580	rBV4	2976	5574	0.51%	0.045%
47	11.567	1582	1585	1590	rBV4	4300	9815	0.89%	0.079%
48	11.634	1590	1596	1606	rBV	282820	478319	43.58%	3.872%
49	11.768	1614	1618	1623	rVB2	47941	71794	6.54%	0.581%
50	11.823	1623	1627	1630	rBV4	16195	25397	2.31%	0.206%
51	11.884	1631	1637	1638	rBV2	32065	57598	5.25%	0.466%
52	11.975	1648	1652	1659	rBV3	19957	42690	3.89%	0.346%
53	12.042	1659	1663	1671	rVB2	24001	46271	4.22%	0.375%
54	12.146	1671	1680	1686	rBV3	148966	325095	29.62%	2.632%
55	12.231	1691	1694	1697	rBV	20947	28154	2.56%	0.228%
56	12.304	1701	1706	1708	rBV	65965	97569	8.89%	0.790%
57	12.347	1708	1713	1721	rVB2	172750	354440	32.29%	2.869%
58	12.420	1722	1725	1728	rBV2	40913	68308	6.22%	0.553%
59	12.567	1746	1749	1753	rVB2	35392	51018	4.65%	0.413%
60	12.621	1753	1758	1763	rVB3	57853	104980	9.56%	0.850%
61	12.701	1763	1771	1776	rBV2	181936	389559	35.49%	3.154%
62	12.786	1780	1785	1793	rVB3	372230	797774	72.68%	6.459%
63	12.865	1793	1798	1802	rBV3	89221	196306	17.88%	1.589%
64	12.938	1805	1810	1817	rVB5	136180	343858	31.33%	2.784%
65	13.085	1831	1834	1838	rBV3	63683	84434	7.69%	0.684%
66	13.176	1845	1849	1858	rVB5	105924	258485	23.55%	2.093%
67	13.390	1879	1884	1888	rVV3	92403	148755	13.55%	1.204%
68	13.438	1888	1892	1897	rVB3	77905	146633	13.36%	1.187%
69	13.487	1897	1900	1906	rVB3	60504	114116	10.40%	0.924%
70	13.560	1907	1912	1920	rVB	228521	401018	36.54%	3.247%
71	13.633	1921	1924	1928	rBV3	30297	51592	4.70%	0.418%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111518\
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Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

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_W\METHOD\SOM2WLM111418S.M
Title : VOC Analysis

72	13.804	1949	1952	1956	rBV	92001	138424	12.61%	1.121%
73	13.883	1957	1965	1971	rVB2	472108	1097624	100.00%	8.886%
74	13.957	1972	1977	1983	rBV	152318	241020	21.96%	1.951%
75	14.018	1984	1987	1991	rVB2	61391	79221	7.22%	0.641%
76	14.103	1996	2001	2007	rVB	221909	352628	32.13%	2.855%
77	14.164	2007	2011	2014	rBV	51910	88655	8.08%	0.718%
78	14.213	2014	2019	2024	rVB3	267801	458814	41.80%	3.714%
79	14.286	2025	2031	2035	rBV5	58658	126741	11.55%	1.026%
80	14.347	2035	2041	2045	rVB4	42869	91348	8.32%	0.740%
81	14.395	2045	2049	2051	rBV2	98579	153456	13.98%	1.242%
82	14.426	2051	2054	2059	rVB	189508	264278	24.08%	2.140%
83	14.505	2064	2067	2071	rBV	84911	113781	10.37%	0.921%
84	14.554	2071	2075	2081	rBV3	53346	106037	9.66%	0.858%
85	14.615	2082	2085	2087	rBV2	21593	33658	3.07%	0.272%
86	14.700	2095	2099	2102	rBV5	31683	60967	5.55%	0.494%
87	14.737	2102	2105	2110	rVB	101765	154999	14.12%	1.255%
88	14.798	2110	2115	2117	rBV	79918	134344	12.24%	1.088%
89	14.865	2123	2126	2132	rVB	56759	79868	7.28%	0.647%
90	14.969	2139	2143	2146	rBV	14923	19859	1.81%	0.161%
91	15.036	2147	2154	2156	rBV5	24458	49580	4.52%	0.401%
92	15.078	2156	2161	2165	rBV3	89039	161432	14.71%	1.307%
93	15.182	2173	2178	2185	rVB3	85535	182283	16.61%	1.476%
94	15.340	2199	2204	2207	rBV3	7349	15115	1.38%	0.122%
95	15.426	2214	2218	2219	rBV4	6606	8229	0.75%	0.067%
96	15.664	2250	2257	2265	rBV7	4693	12585	1.15%	0.102%
97	15.962	2302	2306	2312	rBV7	1321	2647	0.24%	0.021%
98	16.017	2313	2315	2319	rBV5	881	1451	0.13%	0.012%
99	16.651	2413	2419	2422	rBV6	946	1632	0.15%	0.013%
100	16.706	2425	2428	2434	rVB5	579	890	0.08%	0.007%

Sum of corrected areas: 12352009

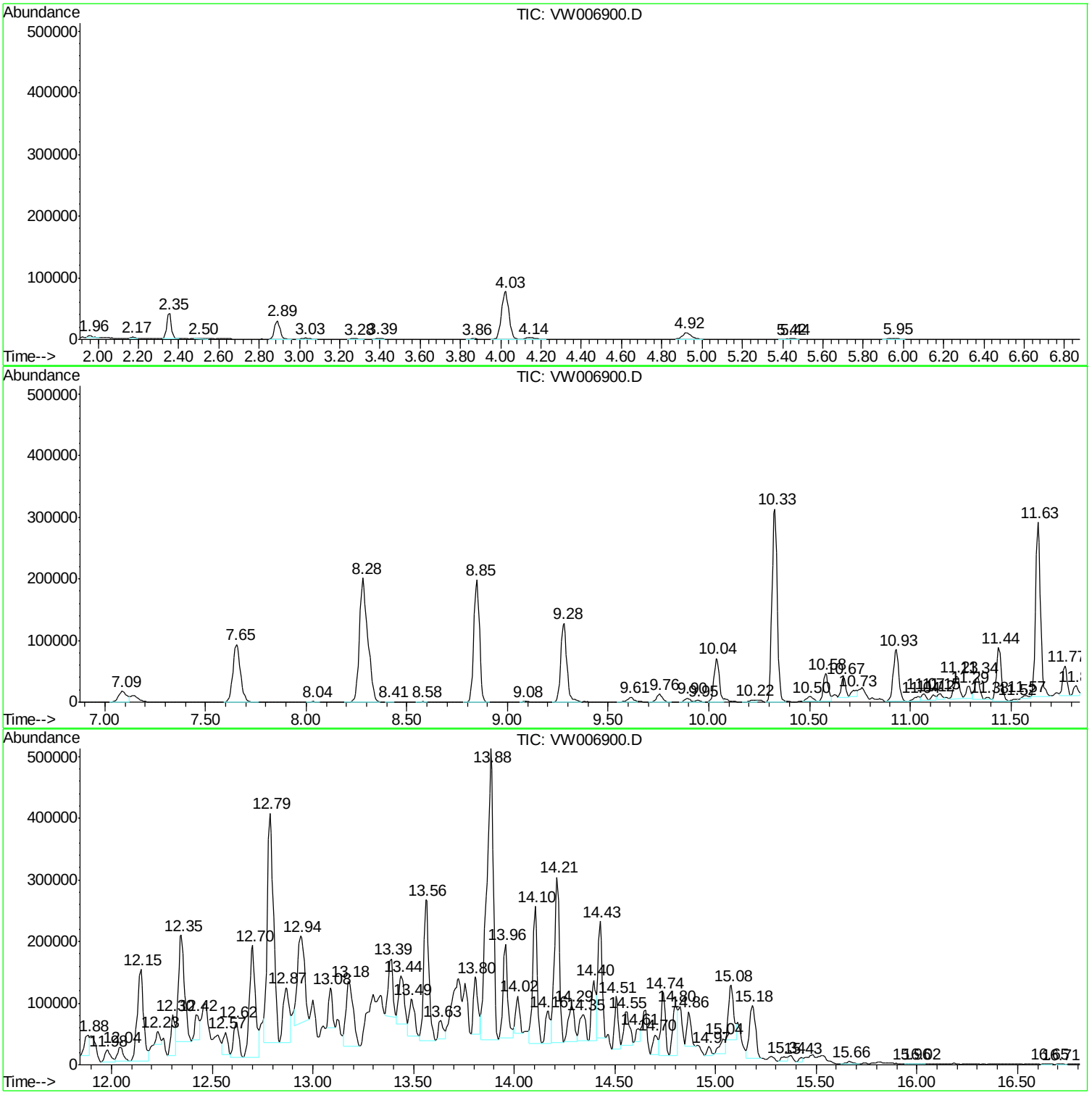
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.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_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

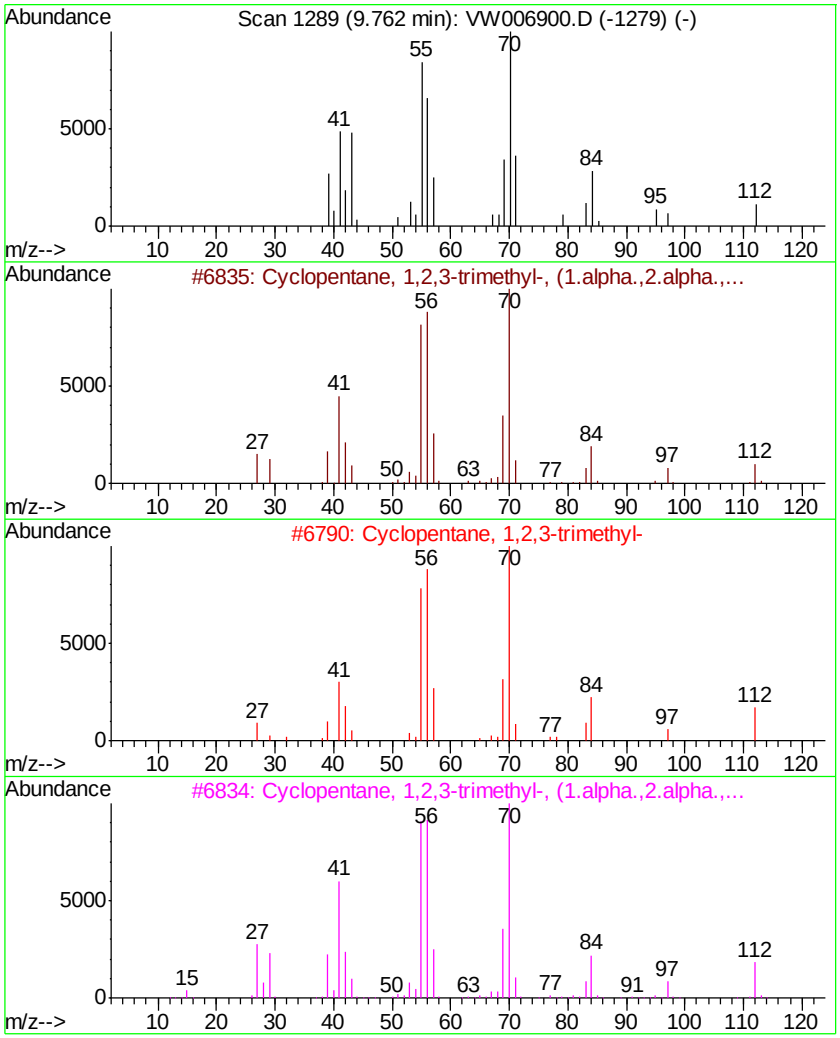
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

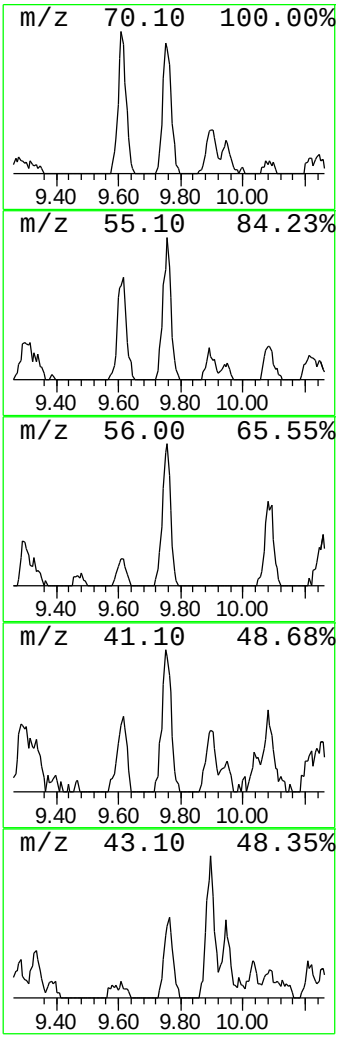
****

Peak Number 1 (DEL) Alkane: Cyclic9.76 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	1.66 ug/L	26067	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	90
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	86
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	74
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

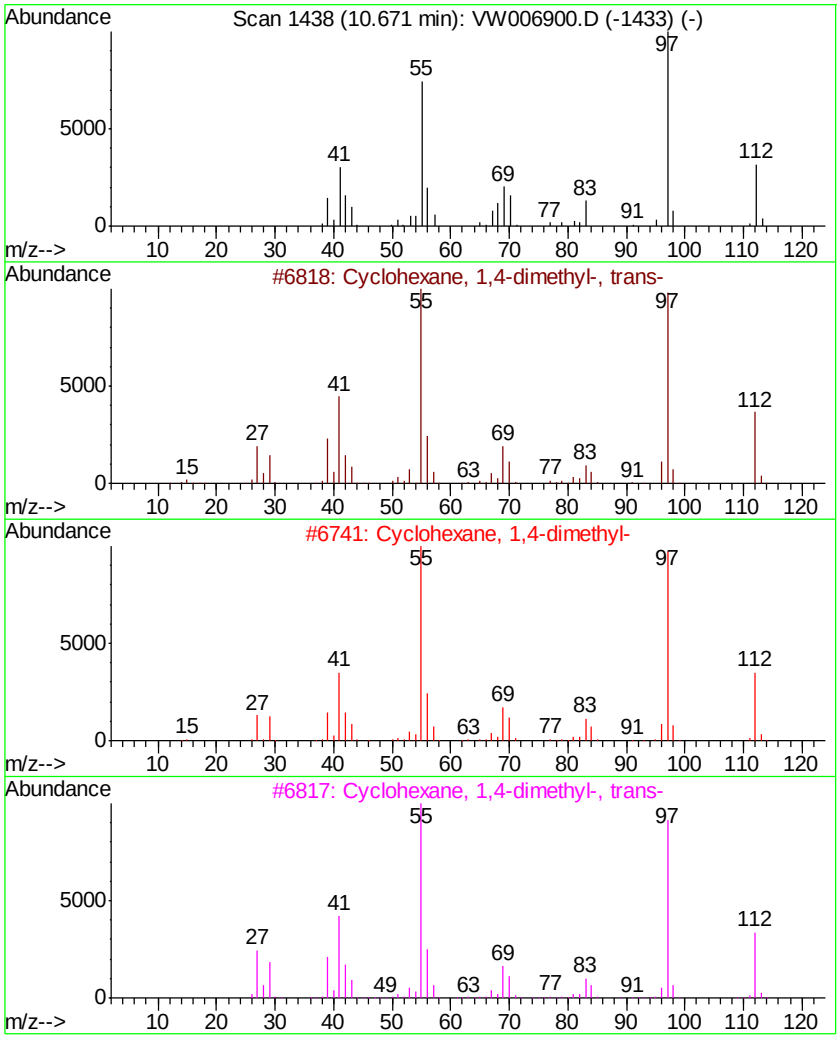
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

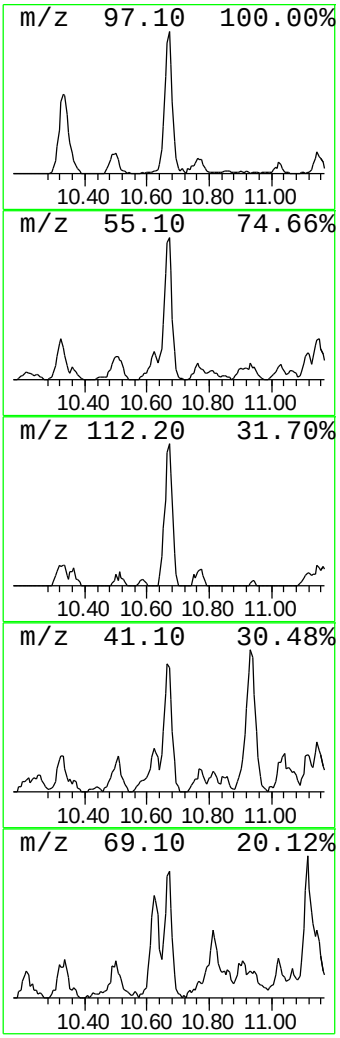
****

Peak Number 3 (DEL) Alkane: Cyclic10.67 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	2.51 ug/L	48117	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	91
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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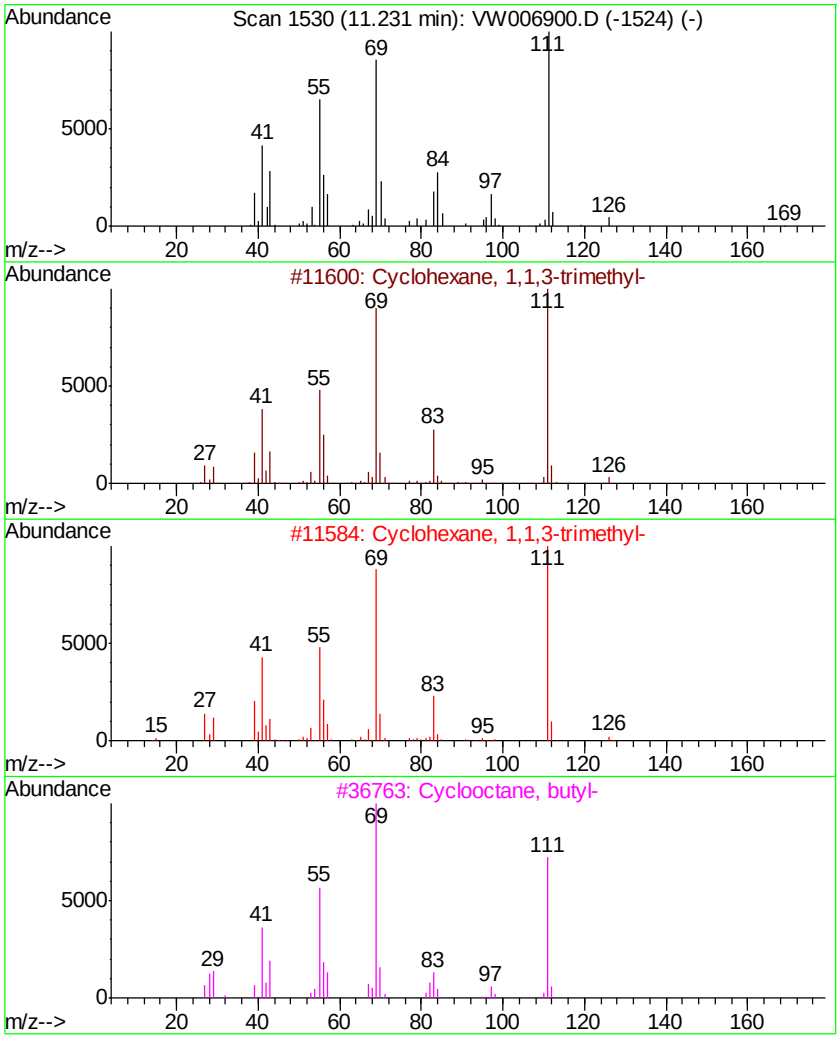
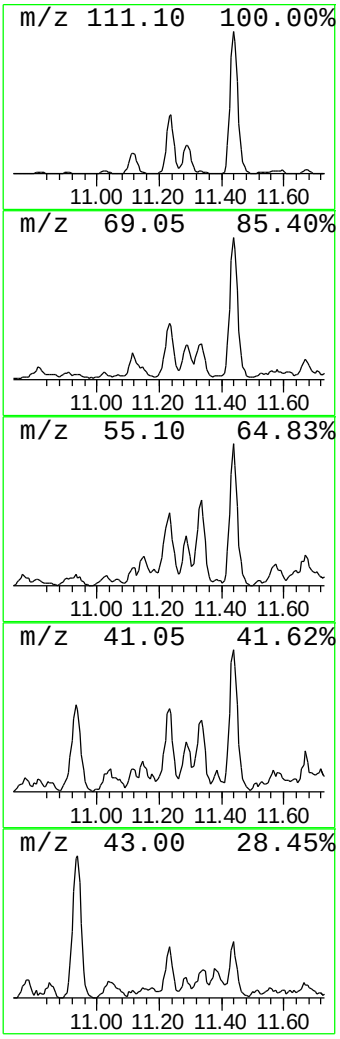
Peak Number 4 (DEL) Alkane: Cyclic11.23 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.72 ug/L	71130	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	68
3	Cyclooctane, butyl-	168	C12H24	016538-93-5	59
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	47
5	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

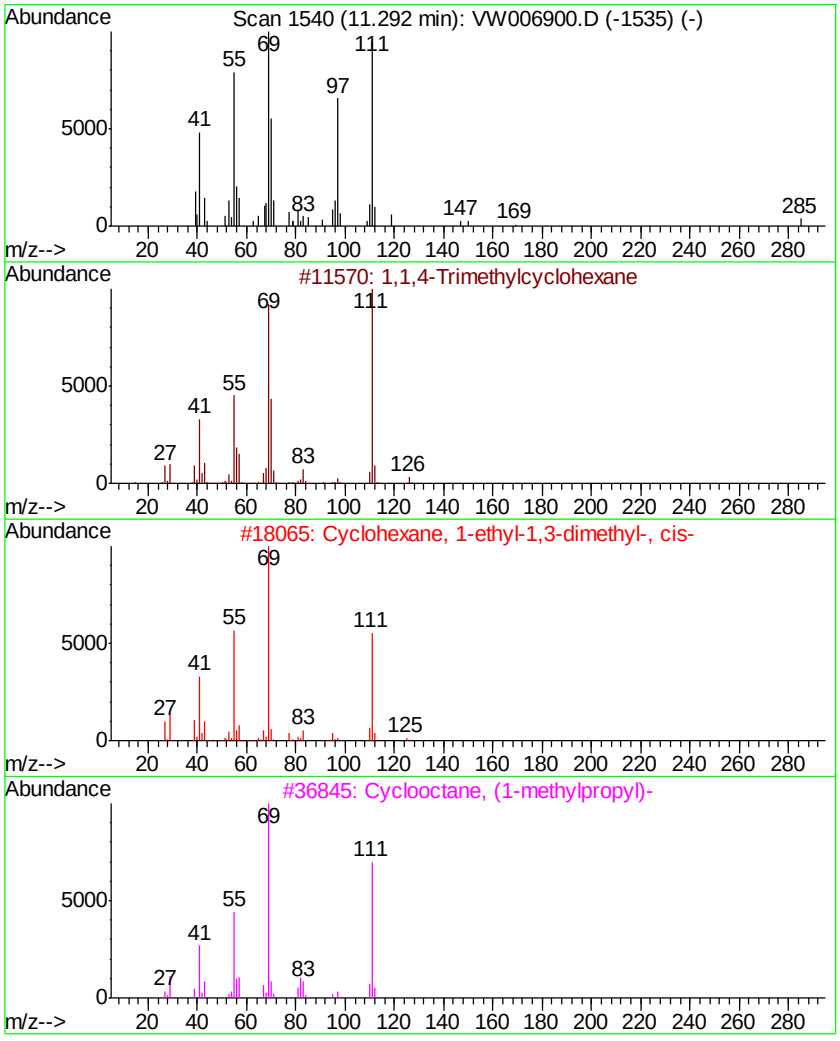
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

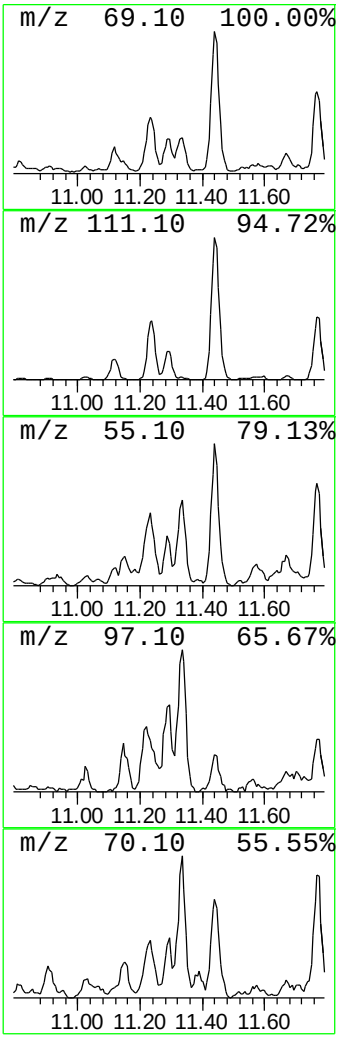
****

Peak Number 5 (DEL) Alkane: Cyclic11.29 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	1.82 ug/L	34744	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	53
2	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	50
3	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	47
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
5	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

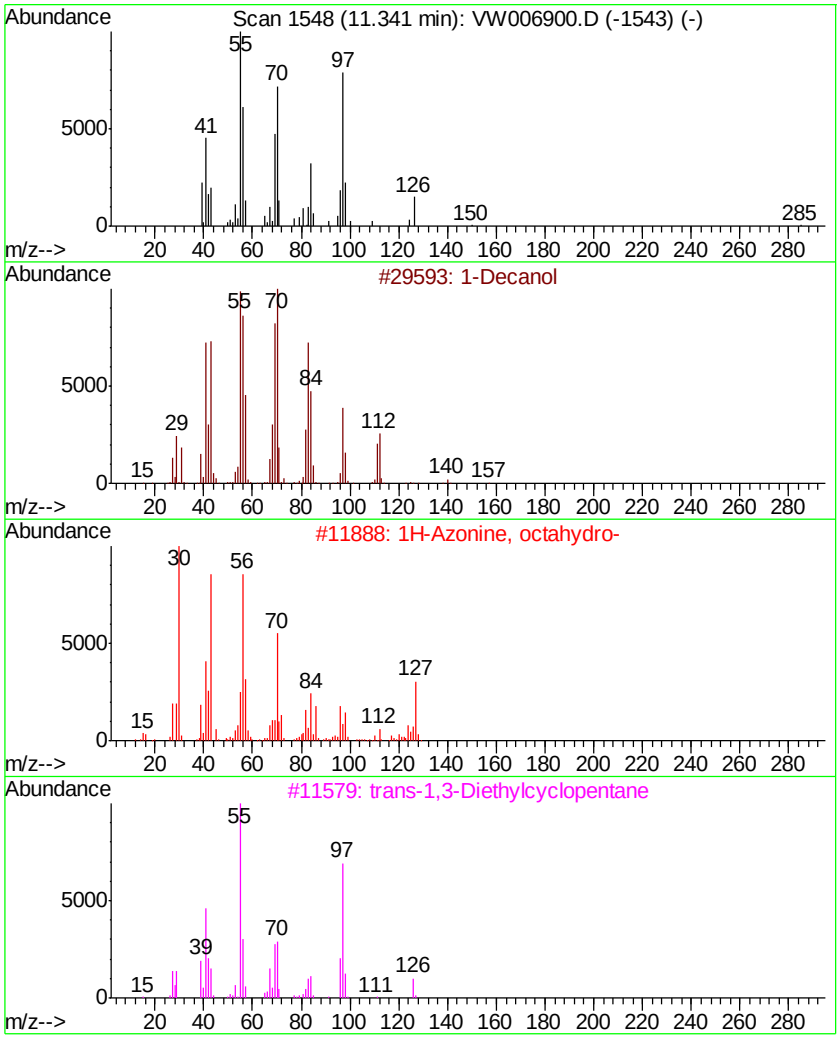
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

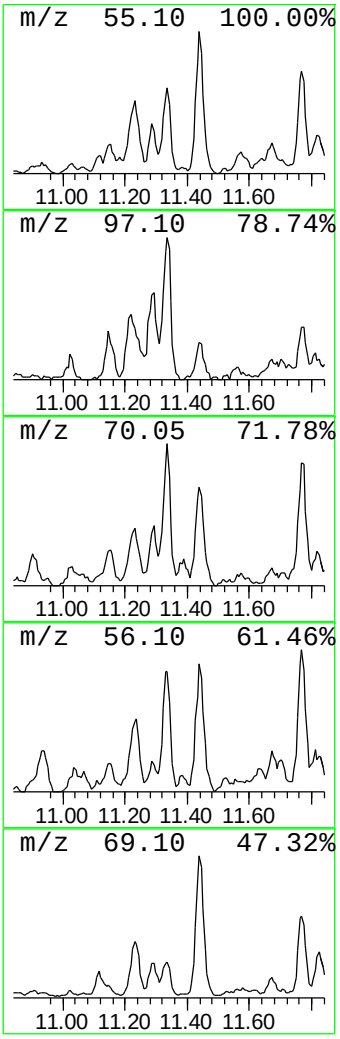
****

Peak Number 6 1-Decanol Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	3.04 ug/L	58253	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol	158	C10H22O	000112-30-1	64
2	1H-Azonine, octahydro-	127	C8H17N	005661-71-2	53
3	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	53
4	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	49
5	Cyclobutanone, 2,3,3-trimethyl-	112	C7H12O	028290-01-9	47





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

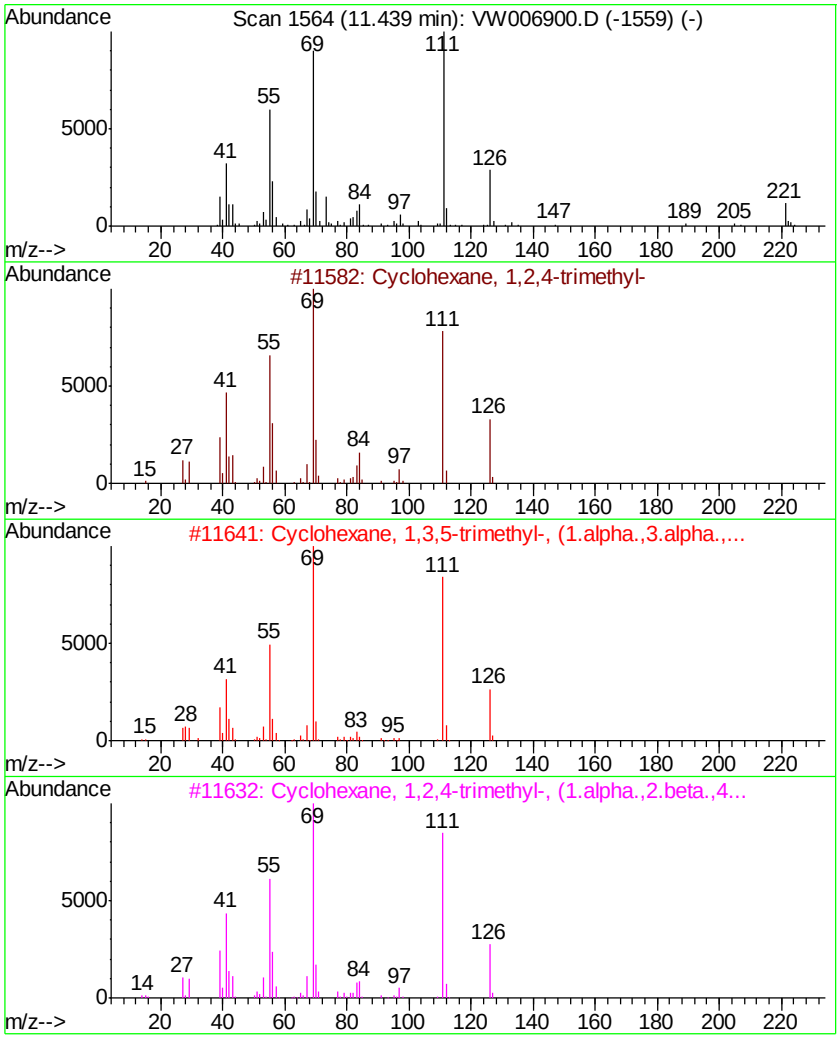
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

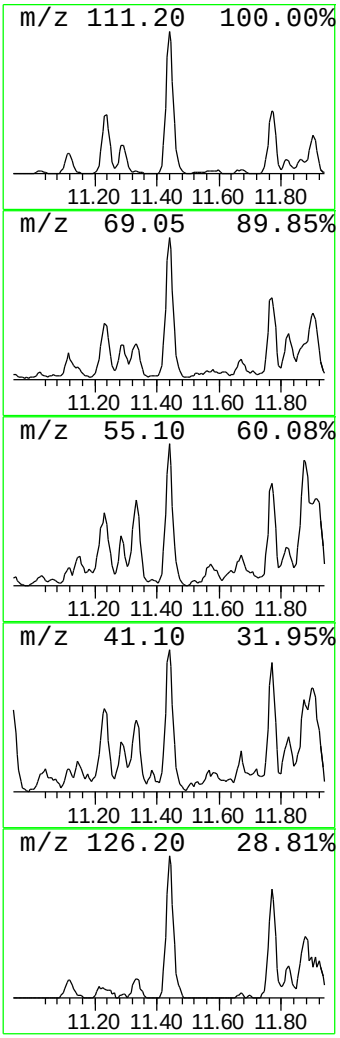
****

Peak Number 7 (DEL) Alkane: Cyclic11.44 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	7.95 ug/L	152037	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	93
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	93
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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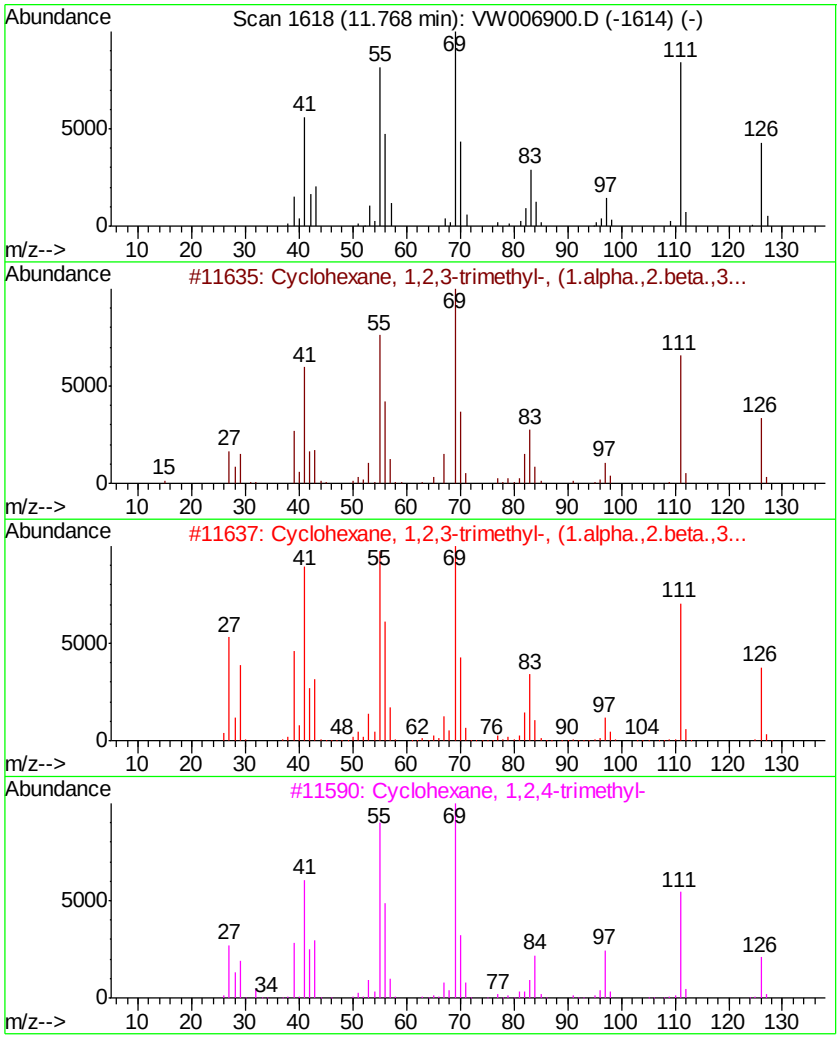
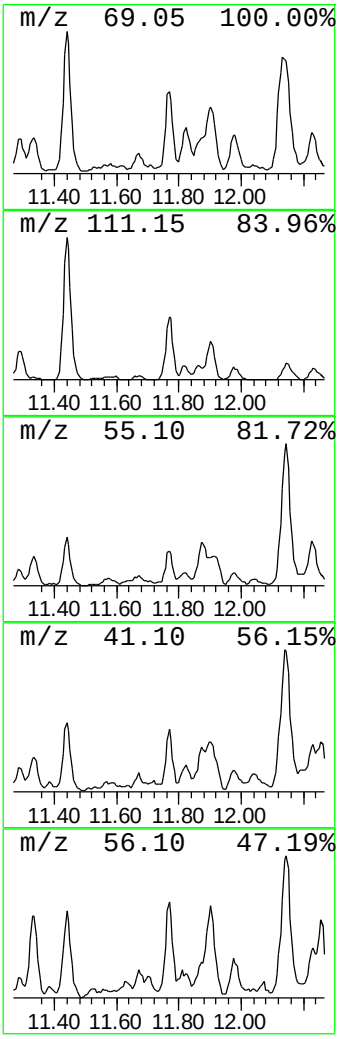
Peak Number 8 (DEL) Alkane: Cyclic11.77 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.75 ug/L	71794	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	87
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	76





Library Search Compound Report

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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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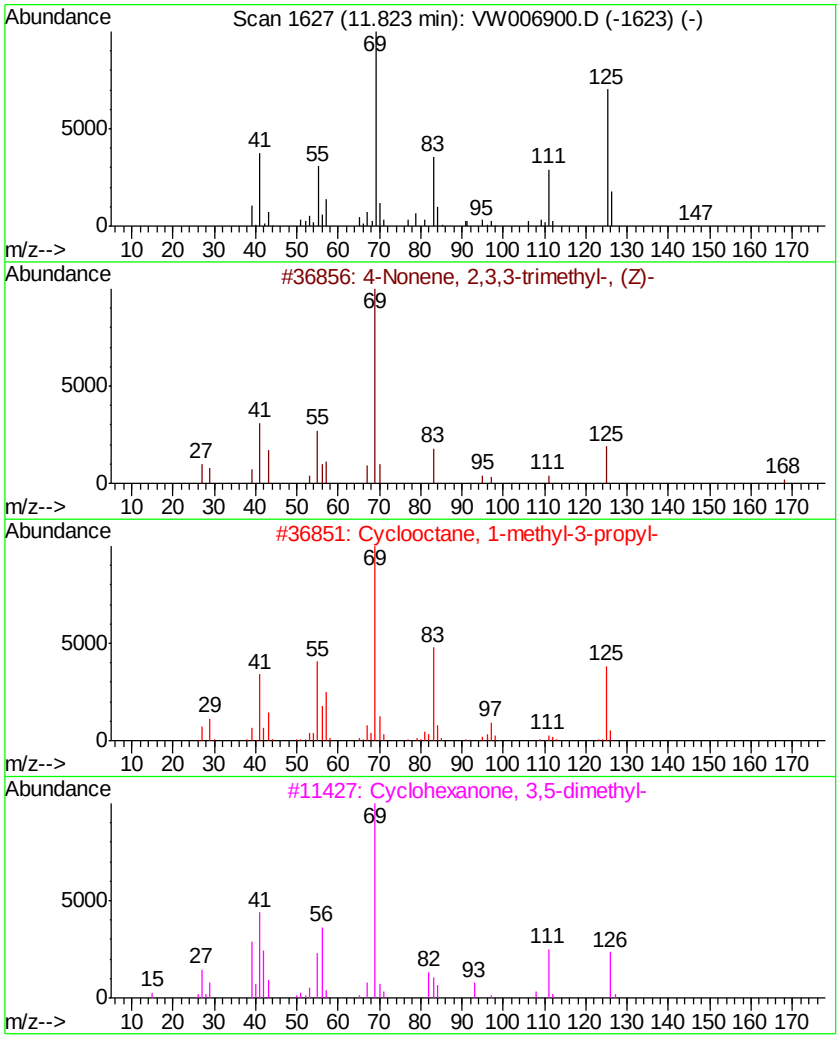
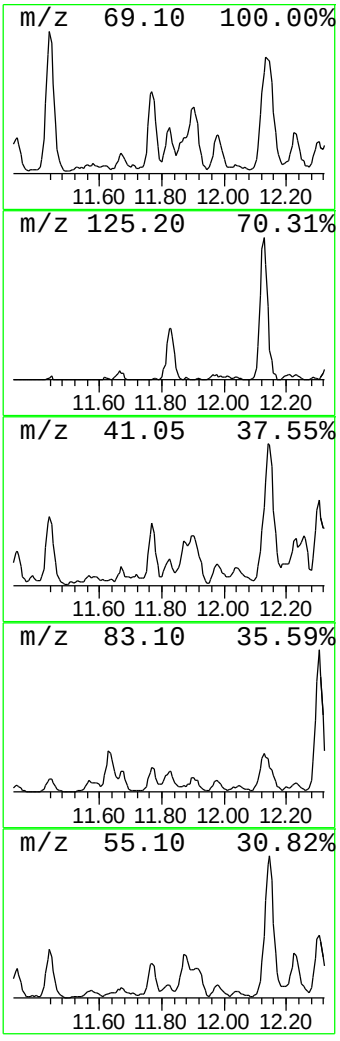
Peak Number 9 (DEL) Alkane: Cyclic11.82 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	1.33 ug/L	25397	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	64
2	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	53
3	Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	50
4	2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	50
5	trans-3,5-Dimethylcyclohexanone	126	C8H14O	007214-49-5	50





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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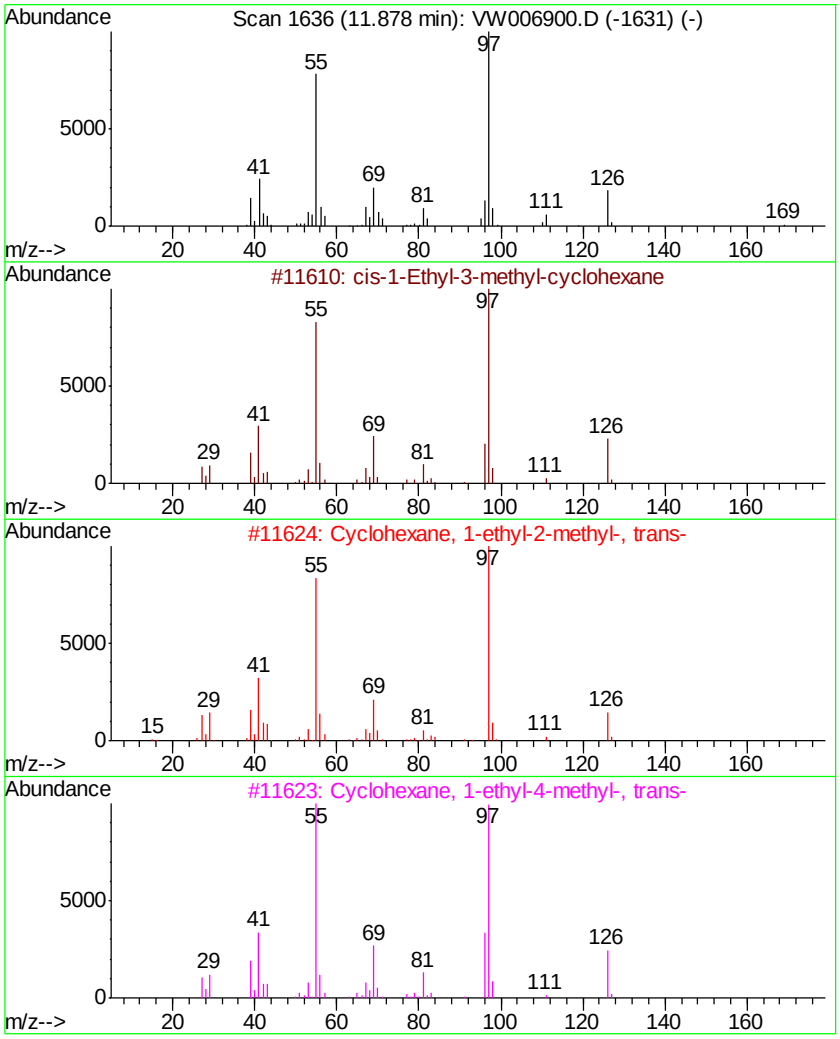
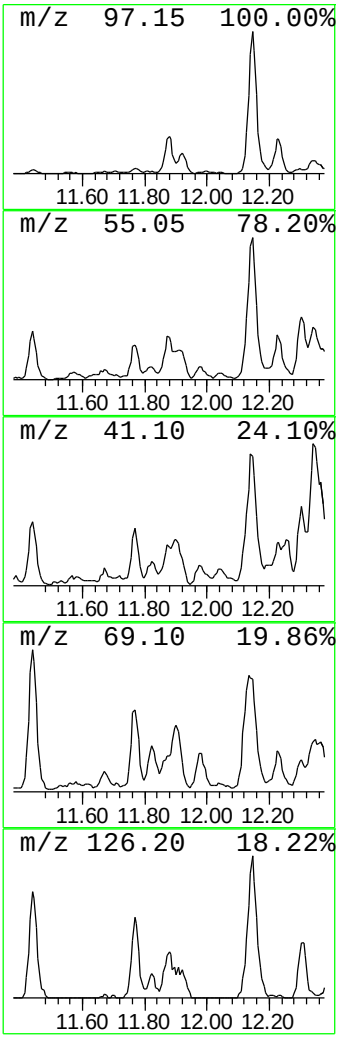
Peak Number 10 (DEL) Alkane: Cyclic11.88 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	3.01 ug/L	57598	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	81
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	74
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	74
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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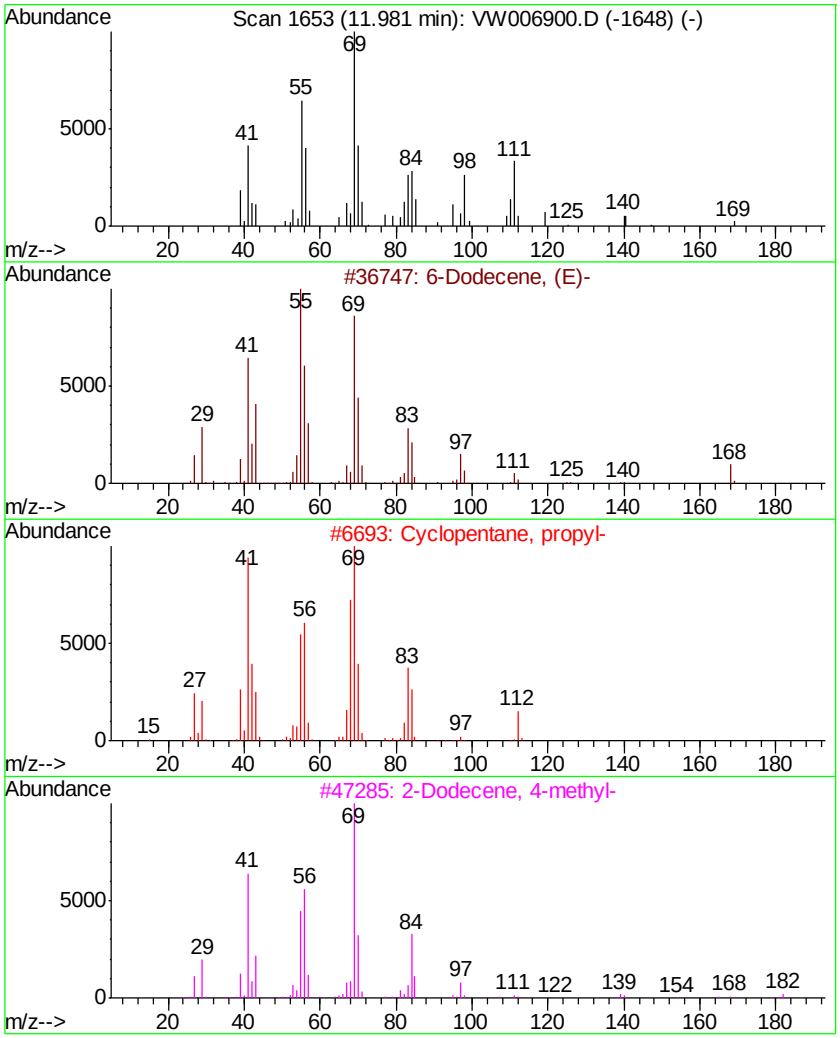
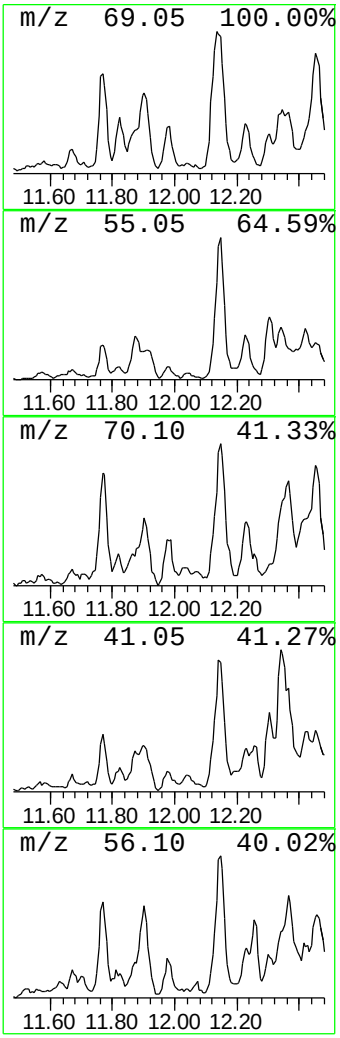
Peak Number 11 (DEL) Alkane: Cyclic11.98 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.23 ug/L	42690	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Dodecene, (E)-	168	C12H24	007206-17-9	59
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	52
3	2-Dodecene, 4-methyl-	182	C13H26	056851-45-7	47
4	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	46
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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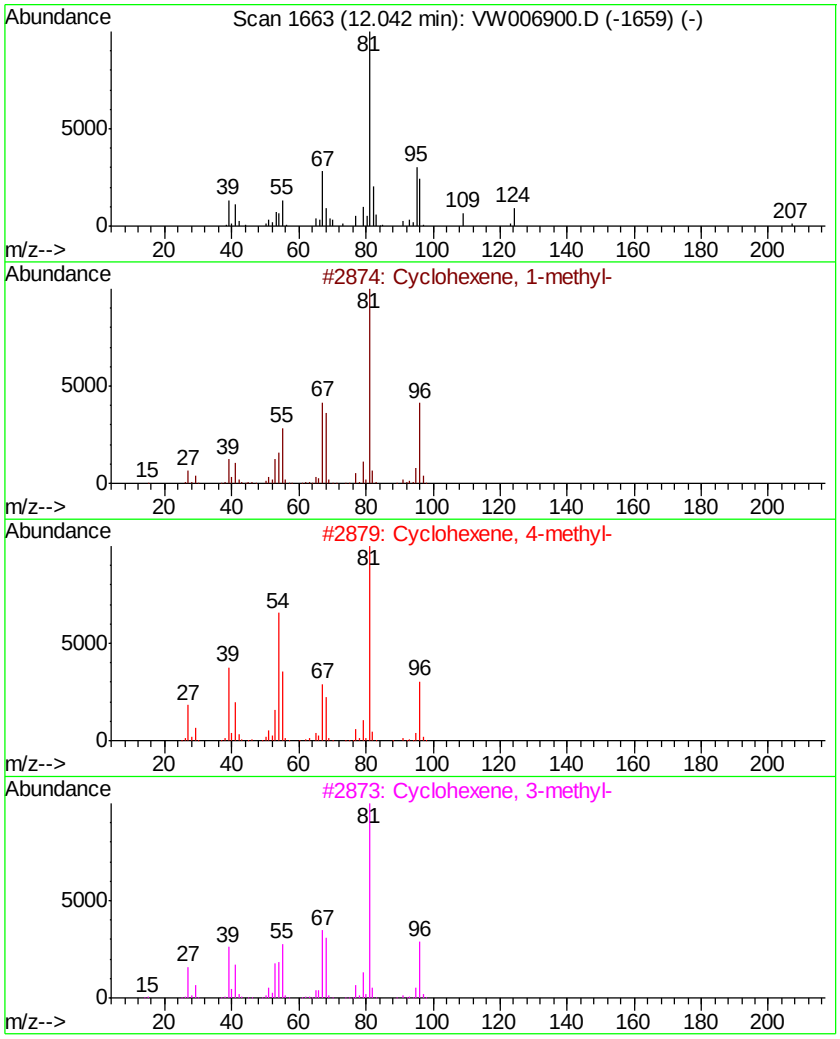
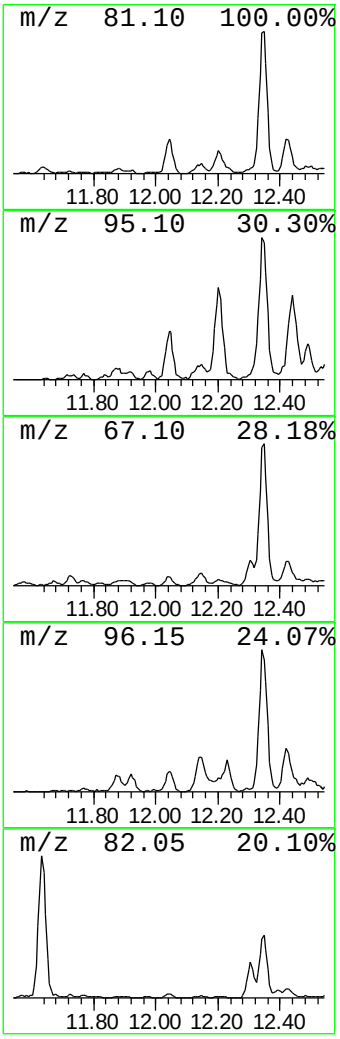
Peak Number 12 Cyclohexene, 1-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	2.42 ug/L	46271	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
2	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	53
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	53
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	53
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	50





Library Search Compound Report

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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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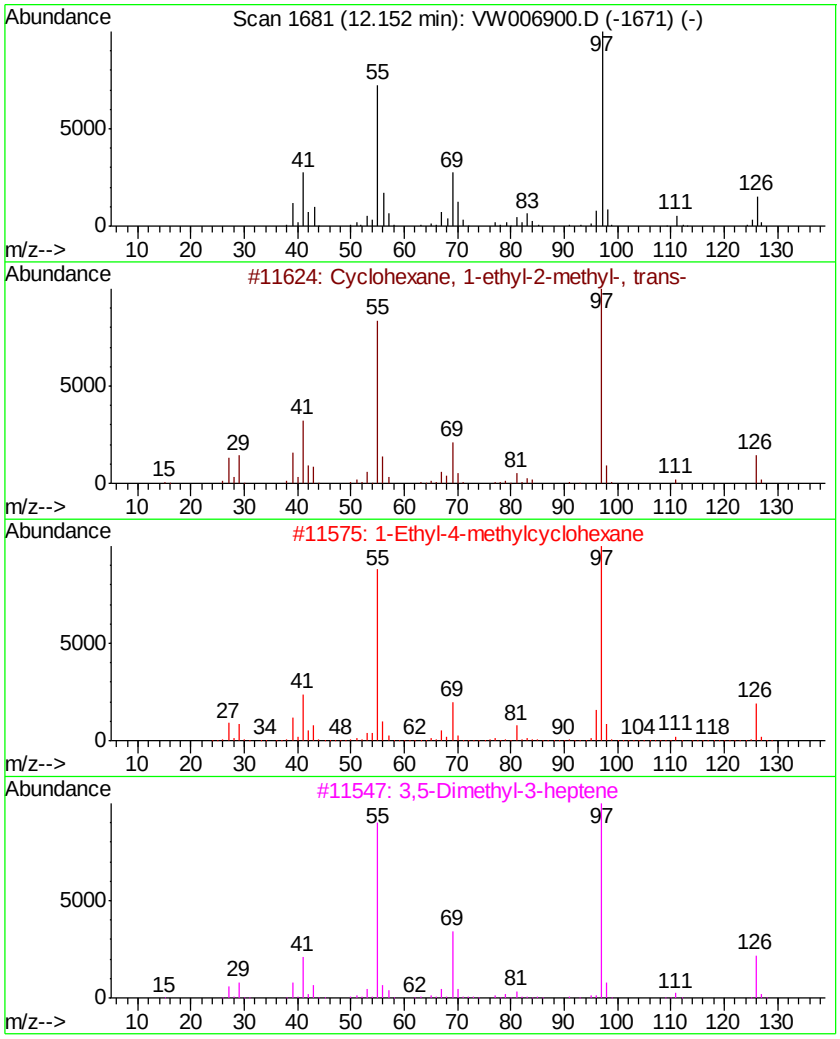
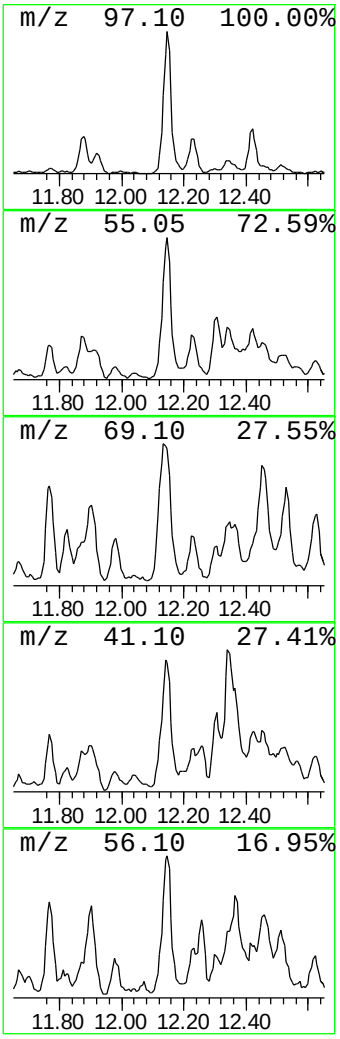
Peak Number 13 (DEL) Alkane: Cyclic12.15 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	16.99 ug/L	325095	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	83
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	80
4	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	80
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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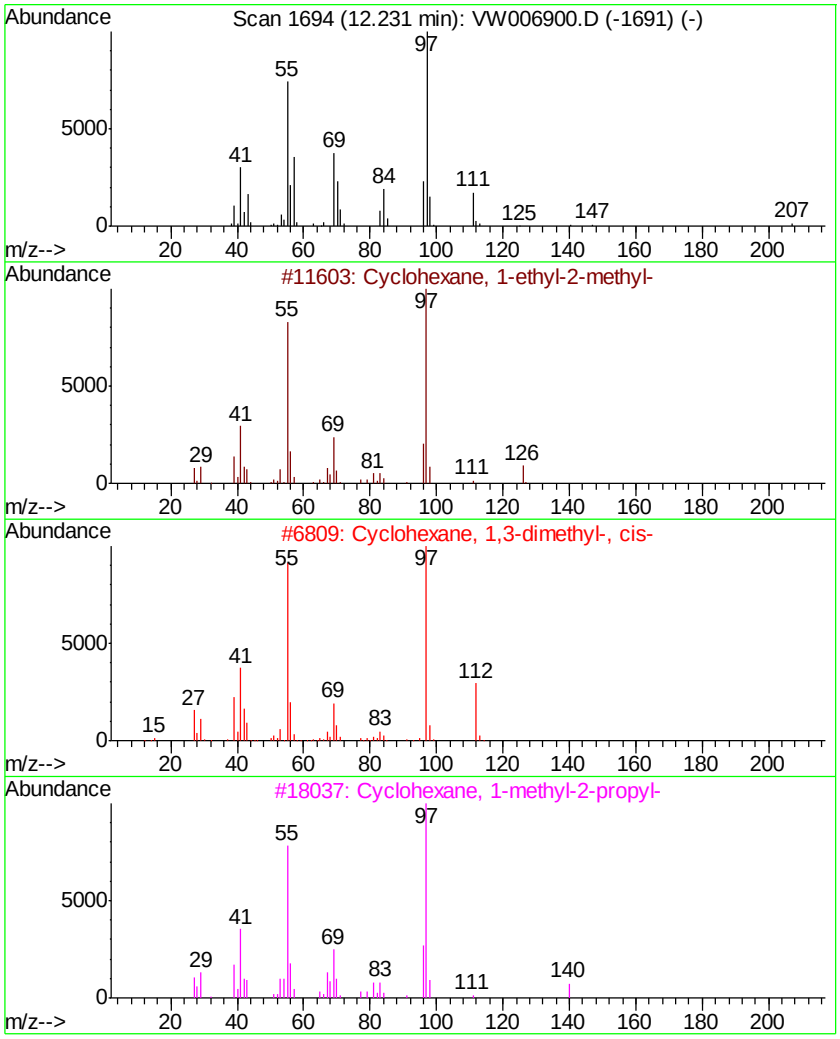
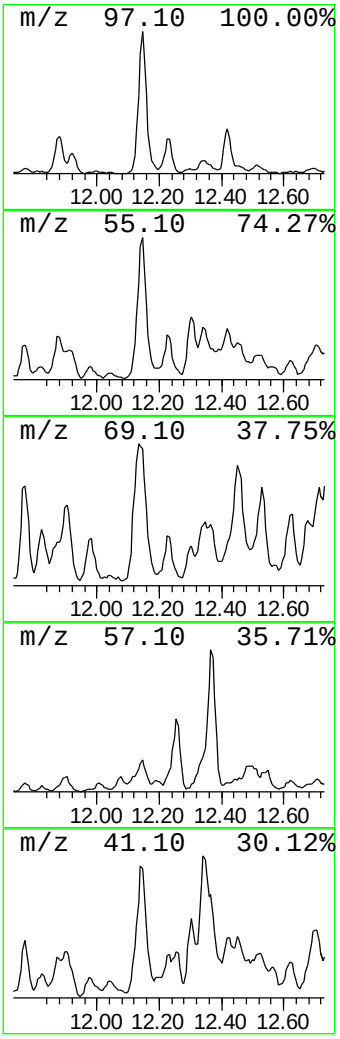
Peak Number 14 (DEL) Alkane: Cyclic12.23 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	1.47 ug/L	28154	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	59
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	47
3	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	45
4	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	42
5	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	40





Library Search Compound Report

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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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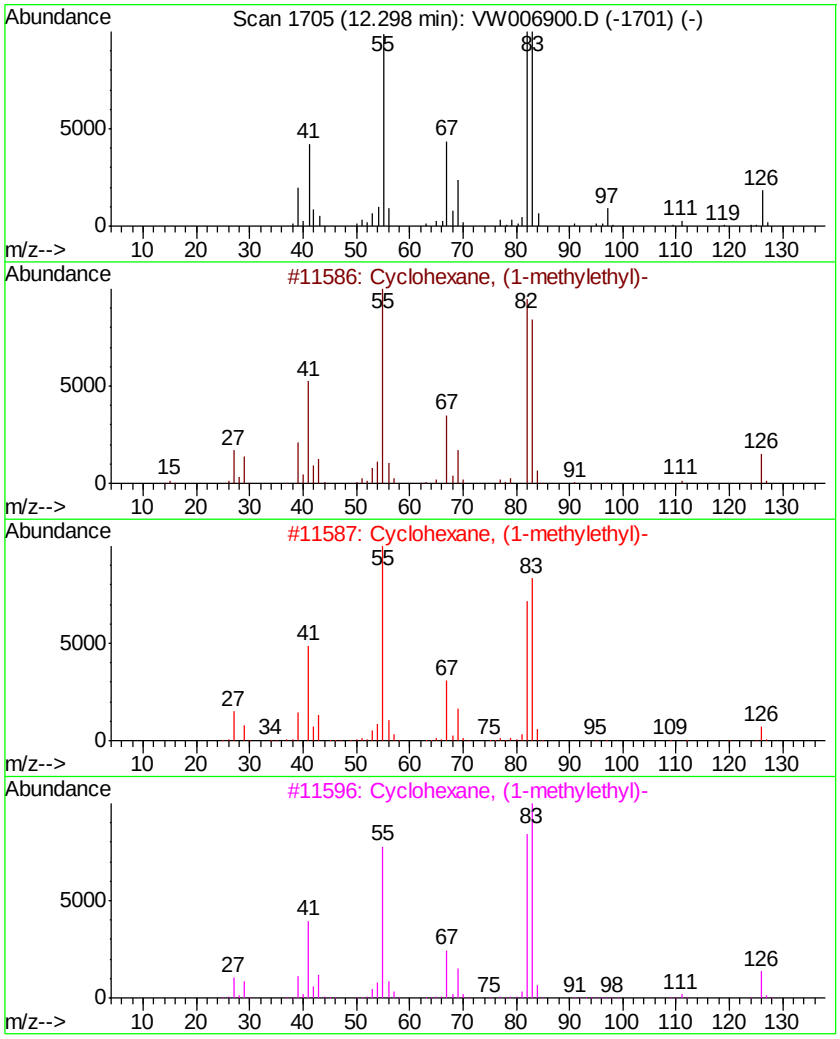
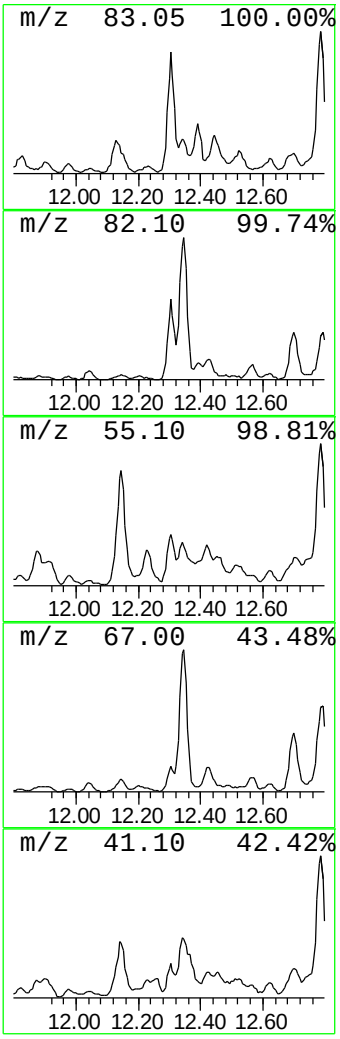
Peak Number 15 (DEL) Alkane: Cyclic12.30 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	5.10 ug/L	97569	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	91
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	76





Library Search Compound Report

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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

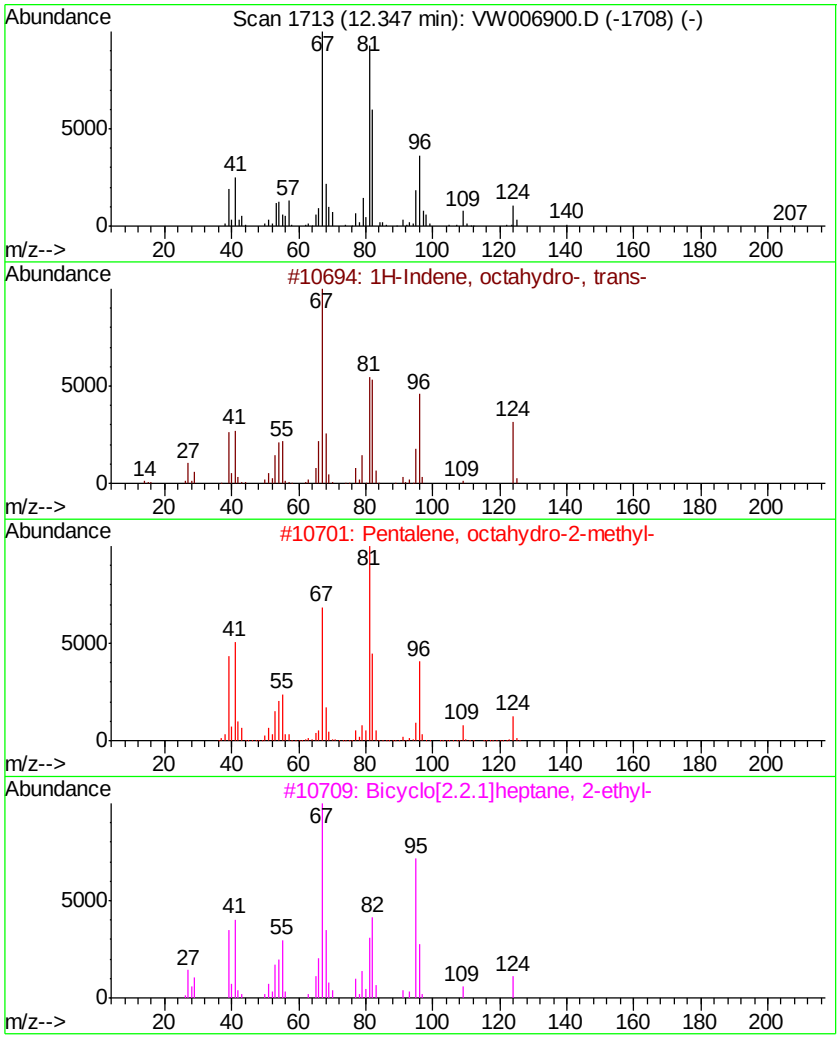
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

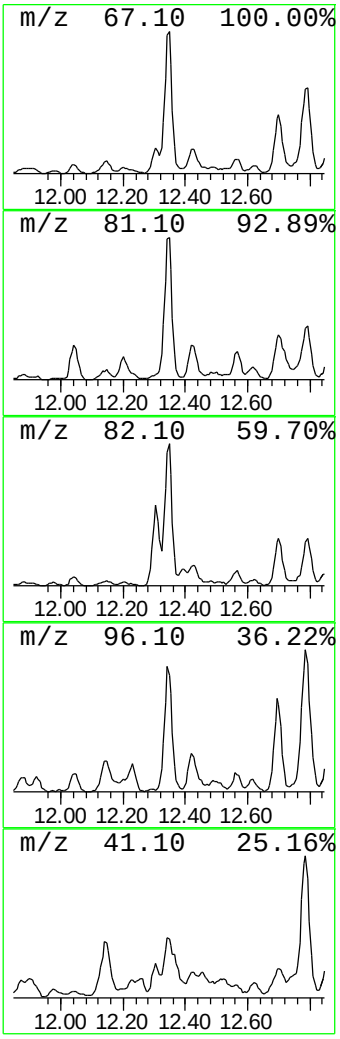
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1H-Indene, octahydro-, trans- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	18.53 ug/L	354440	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	58
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	52
3	Bicyclo[2.2.1]heptane, 2-ethyl-	124	C9H16	002146-41-0	46
4	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	46
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	45





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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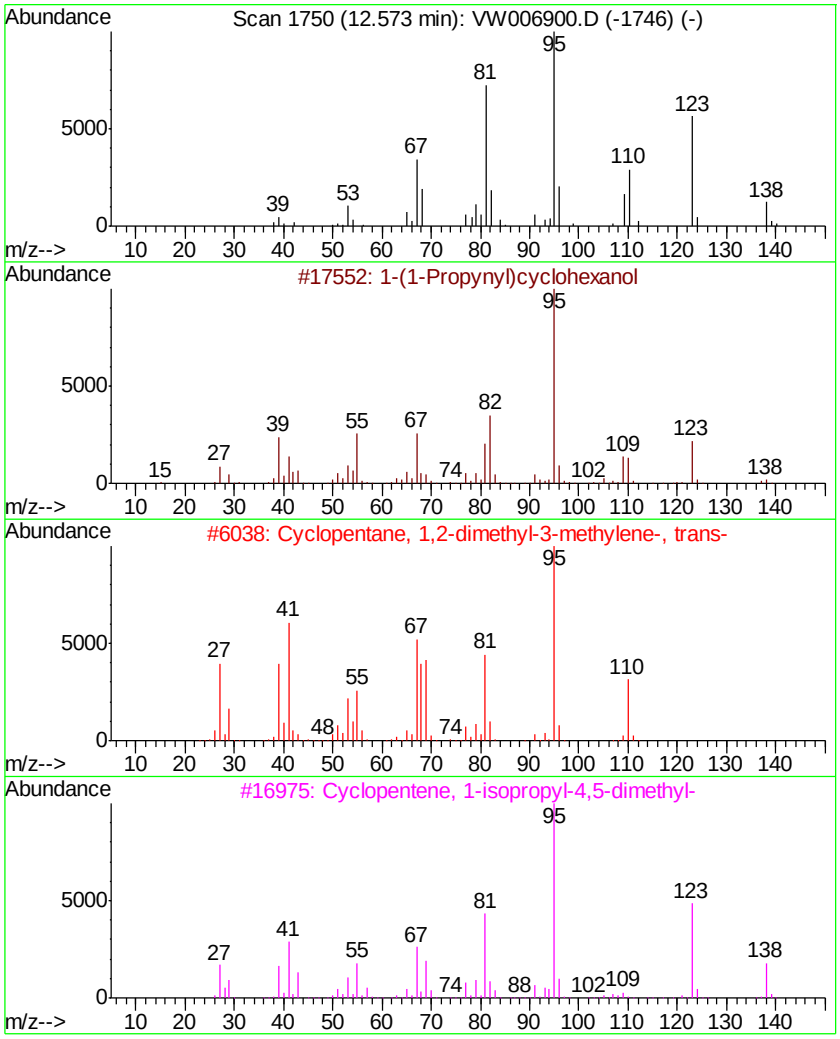
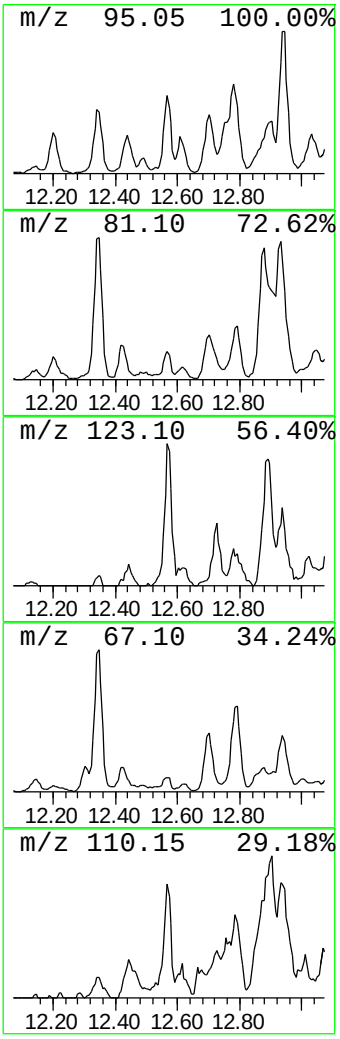
Peak Number 17 1-(1-Propynyl)cyclohexanol Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.67 ug/L	51018	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(1-Propynyl)cyclohexanol	138	C9H14O	000697-37-0	59
2	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	1000150-99-3	47
3	Cyclopentene, 1-isopropyl-4,5-di...	138	C10H18	007712-74-5	46
4	Cyclopentene, 1,4-dimethyl-5-(1-...	138	C10H18	061142-33-4	46
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

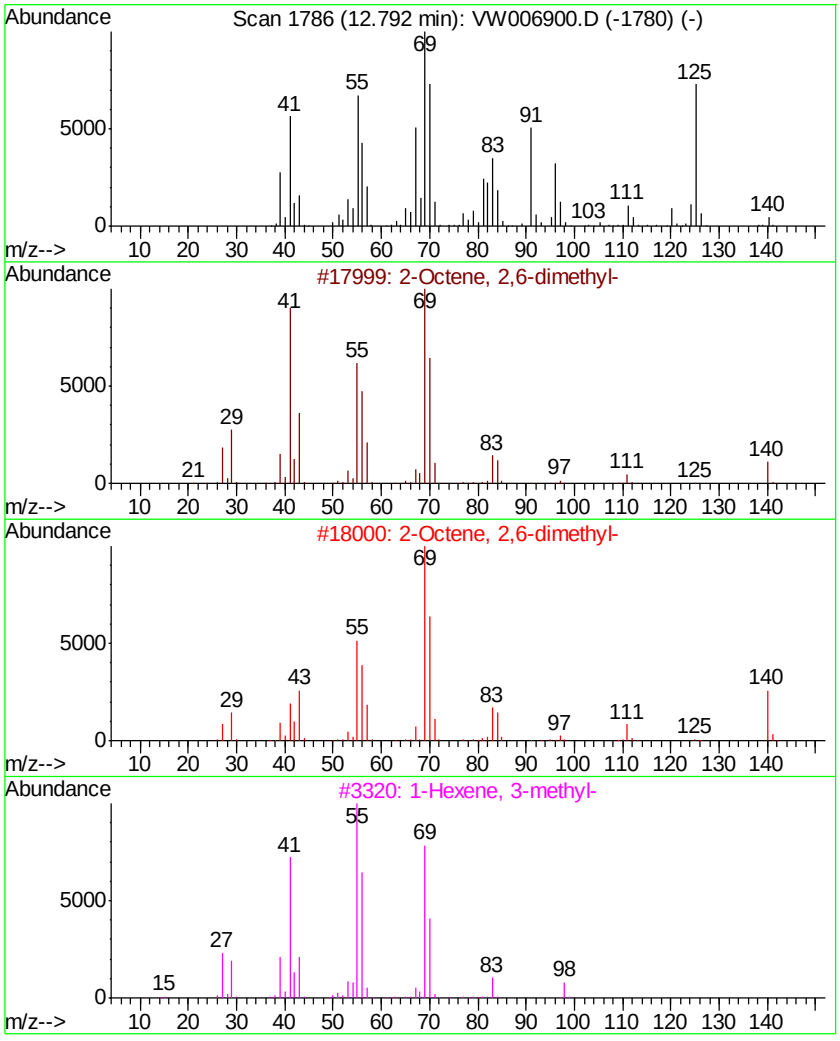
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

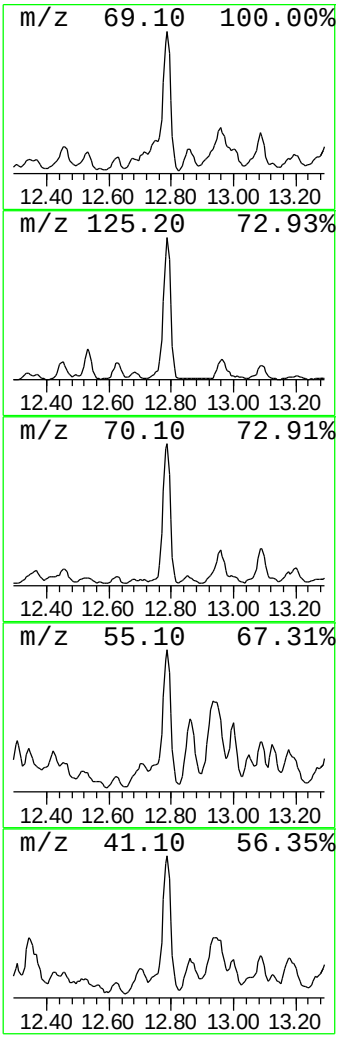
****

Peak Number 19 (DEL) Alkane: Cyclic12.79 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	49.73 ug/L	797774	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	50
4	Cyclopentane, pentyl-	140	C10H20	003741-00-2	49
5	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	41





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

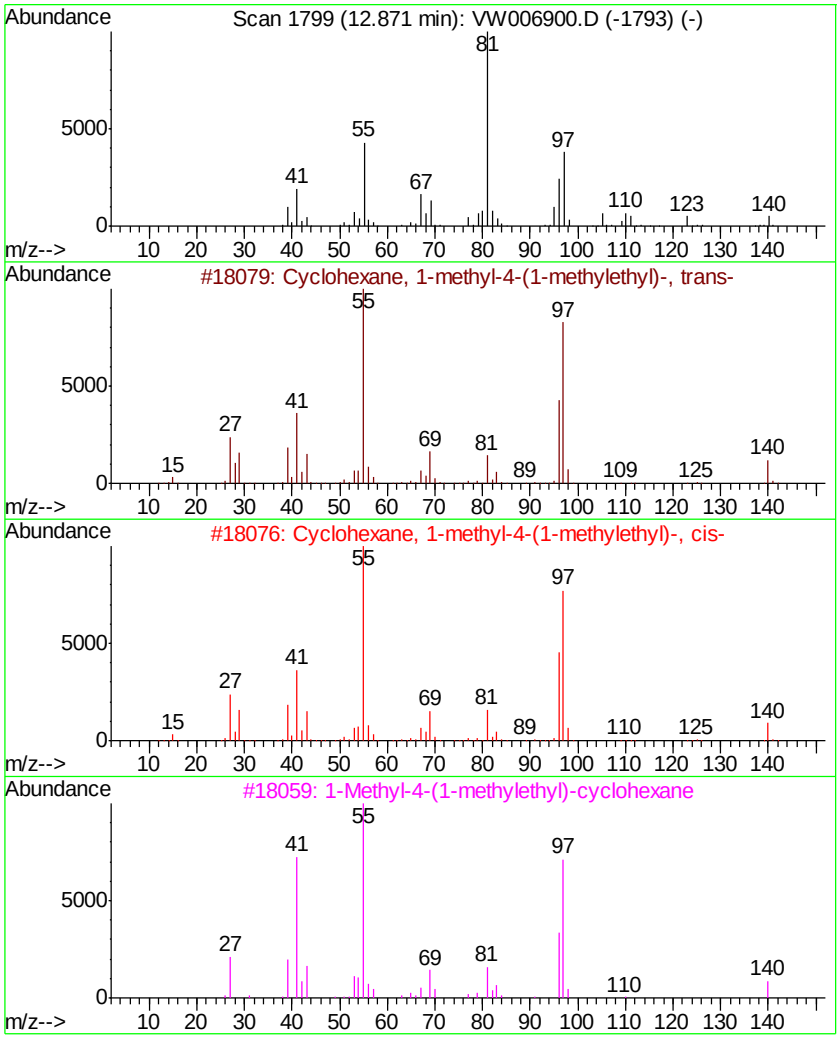
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

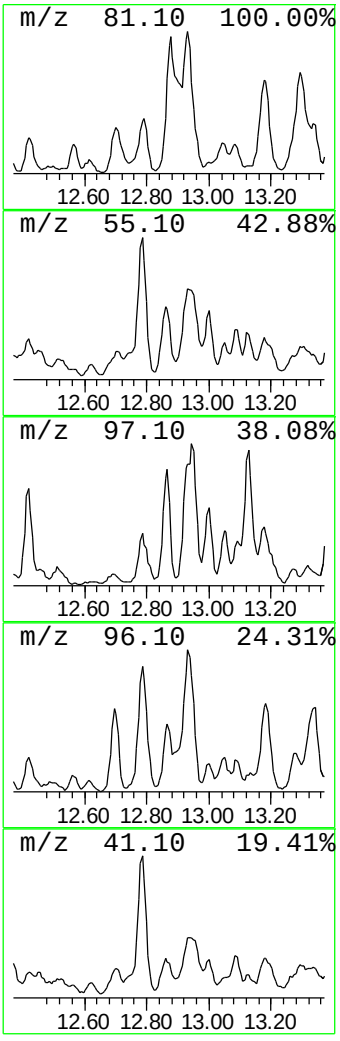
****

Peak Number 20 (DEL) Alkane: Cyclic12.87 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	12.24 ug/L	196306	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	49
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	49
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

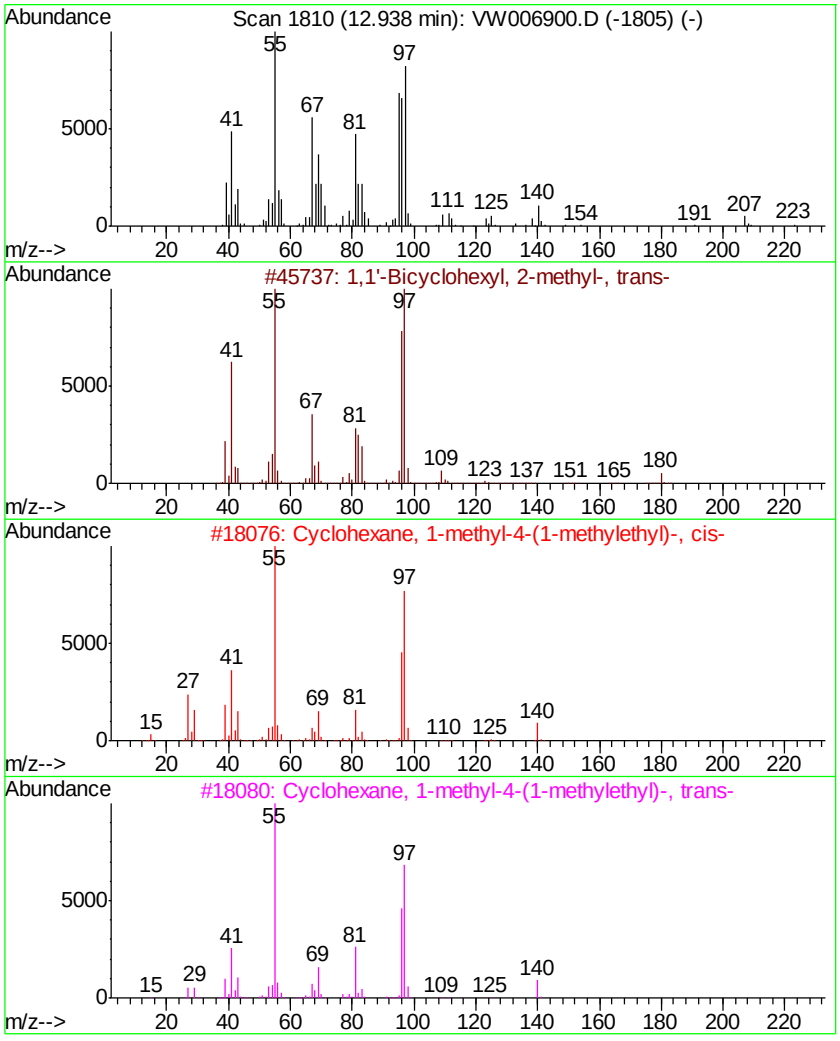
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

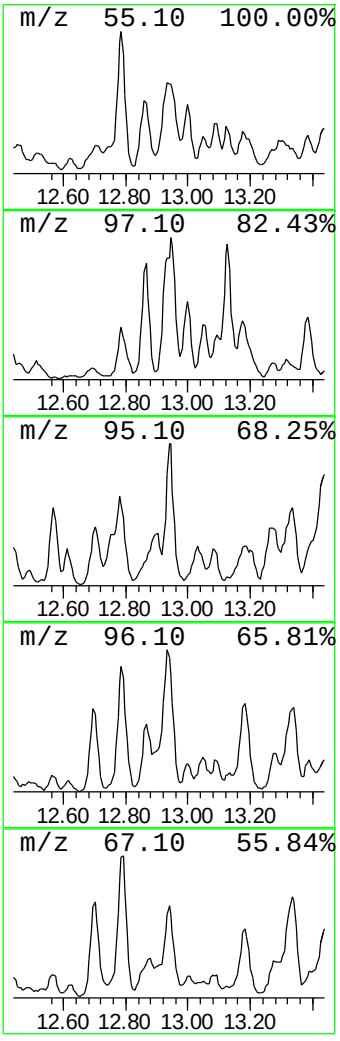
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 1,1'-Bicyclohexyl, 2-methyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	21.44 ug/L	343858	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Bicyclohexyl, 2-methyl-, tr...	180	C13H24	050991-09-8	50
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	43
5	1H-Imidazol, 1-methyl-2-amino-	97	C4H7N3	006646-51-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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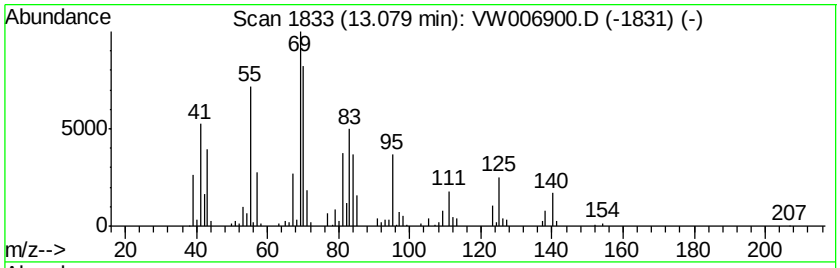
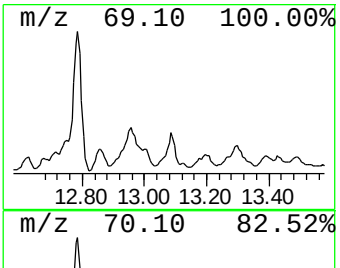
Peak Number 22 (DEL) Alkane: Cyclic13.08 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	5.26 ug/L	84434	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	87
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	53
3	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
4	Cyclopropane, octyl-	154	C11H22	001472-09-9	46
5	3-Ethyl-3-octene	140	C10H20	019781-31-8	43





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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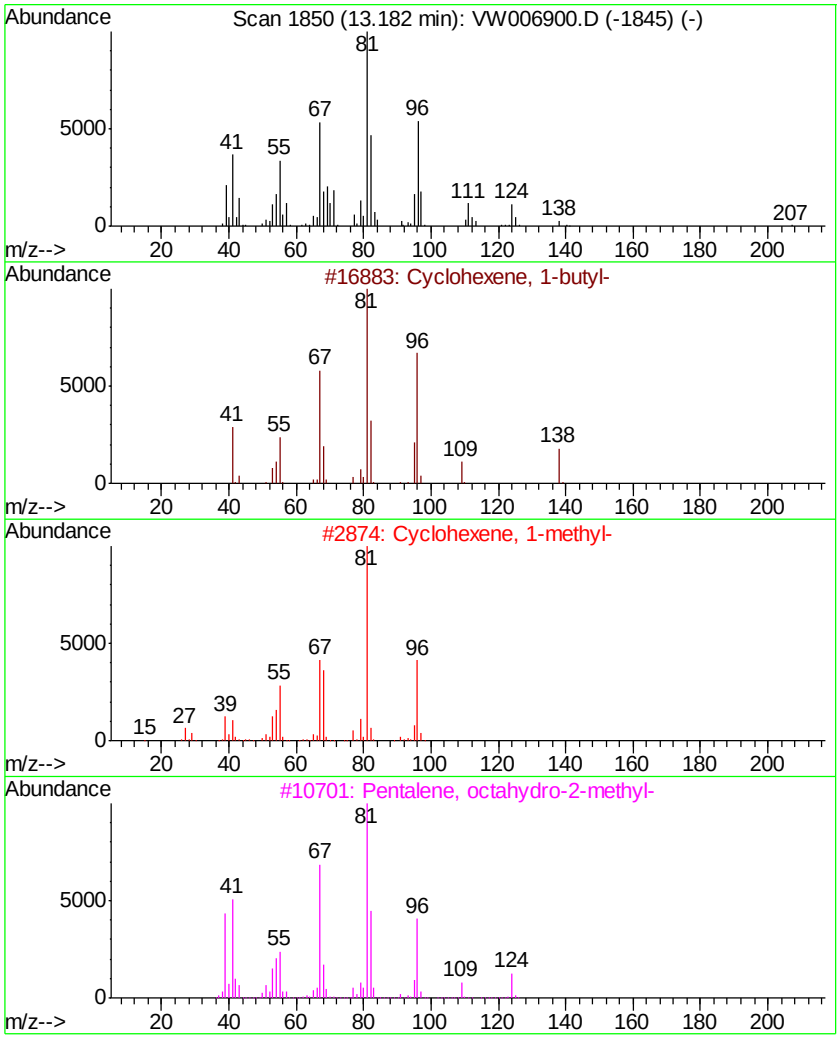
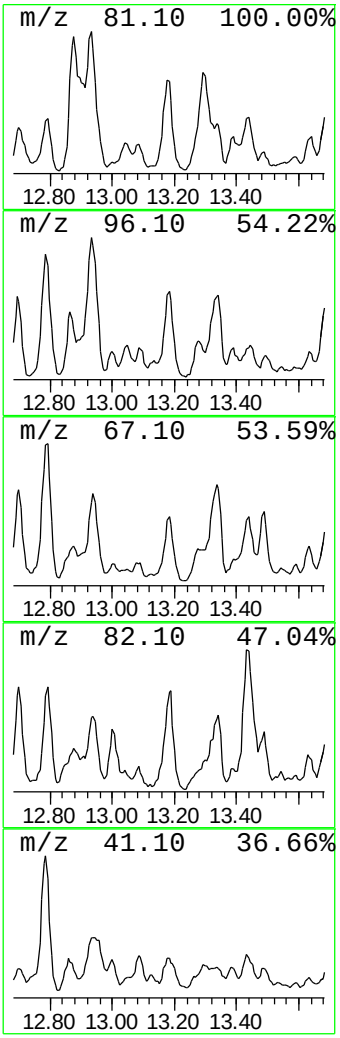
Peak Number 23 Cyclohexene, 1-butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	16.11 ug/L	258485	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	68
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	53
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	52
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	52
5	trans-2-Methylcyclohexanol, trif...	210	C9H13F3O2	1000364-13-3	50





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

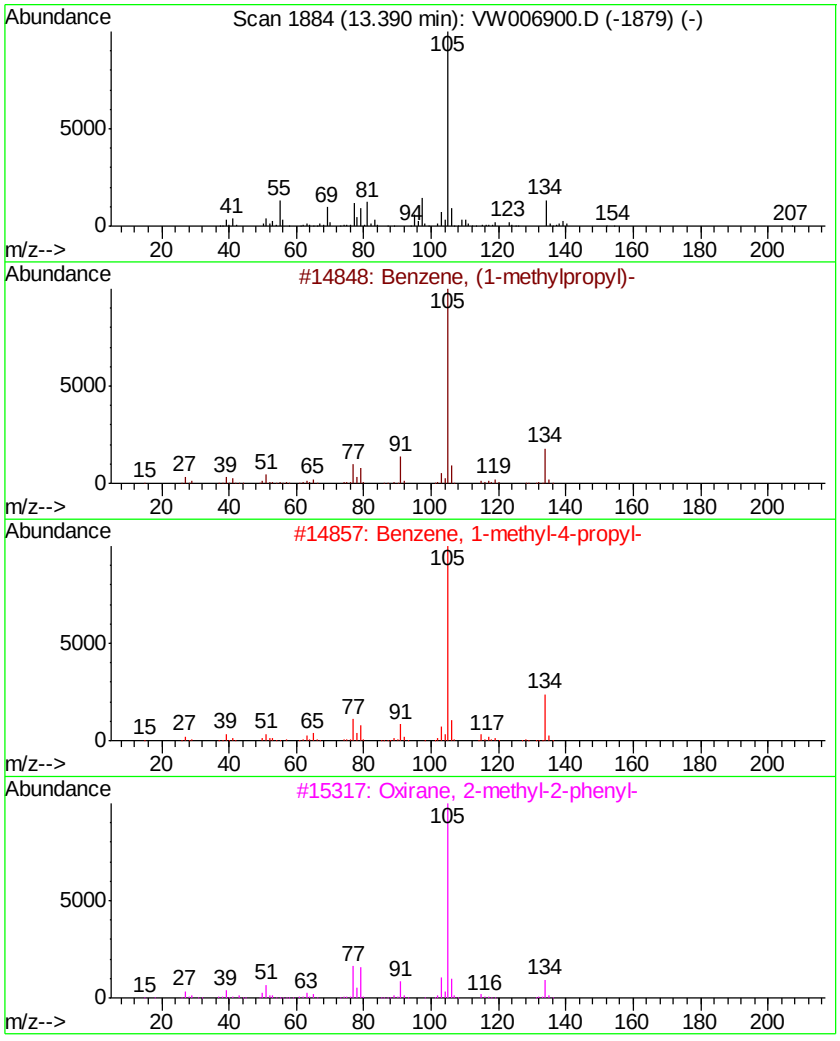
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

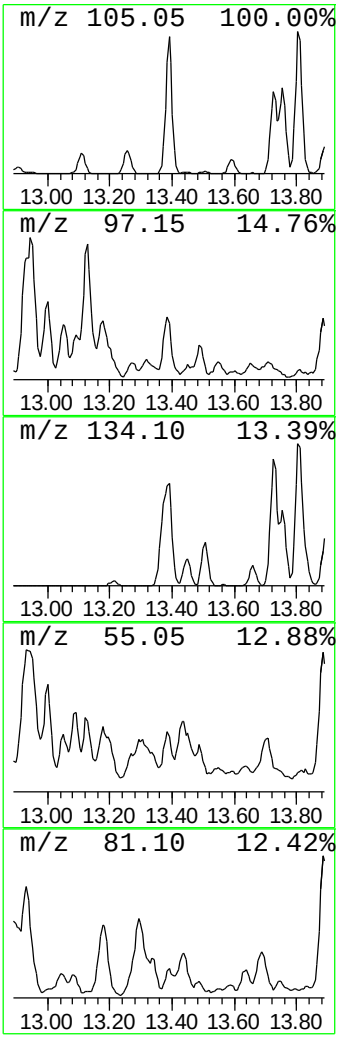
****

Peak Number 24 Benzene, (1-methylpropyl)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	9.27 ug/L	148755	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	58
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	52
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	52
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	50
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	47





Library Search Compound Report

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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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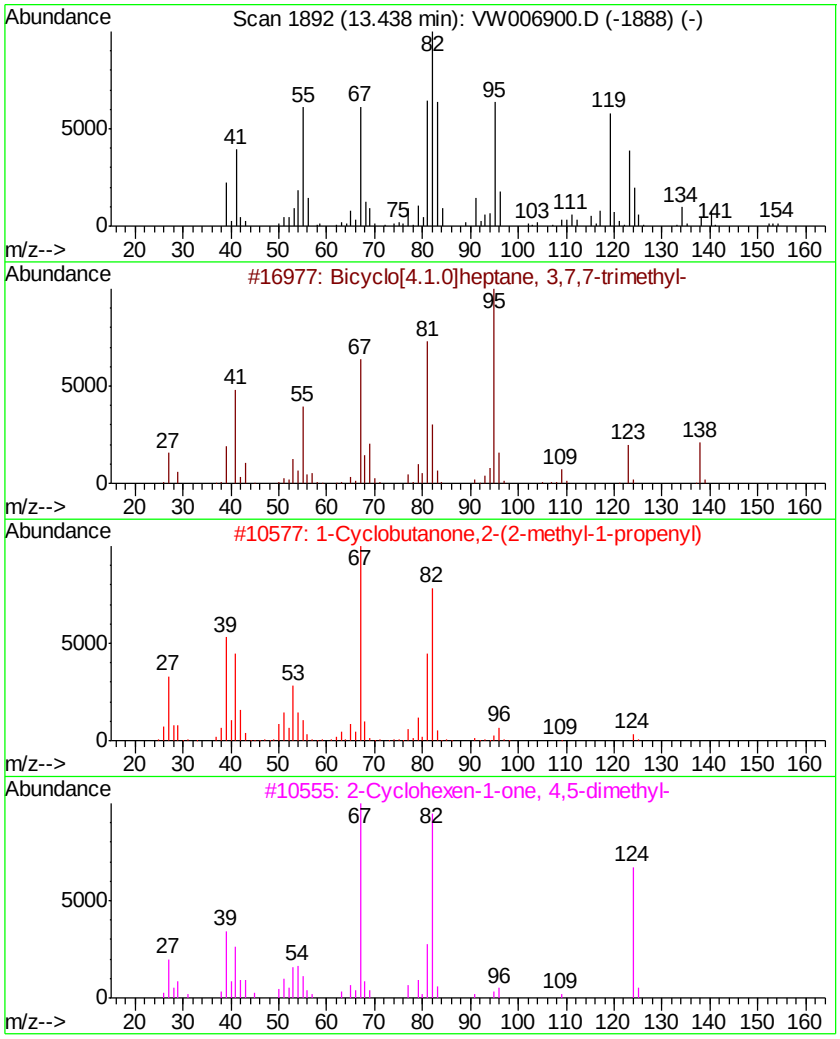
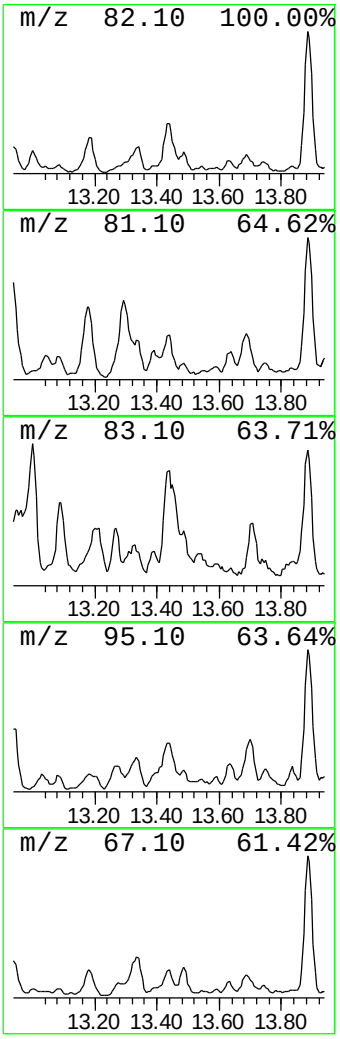
Peak Number 25 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	9.14 ug/L	146633	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	38
2	1-Cyclobutanone,2-(2-methyl-1-pr...	124	C8H12O	091531-45-2	38
3	2-Cyclohexen-1-one, 4,5-dimethyl-	124	C8H12O	005715-25-3	35
4	1H-Imidazole-4-propanamine	125	C6H11N3	040546-33-6	30
5	2-Cyclohexen-1-one, 3,5-dimethyl-	124	C8H12O	001123-09-7	18





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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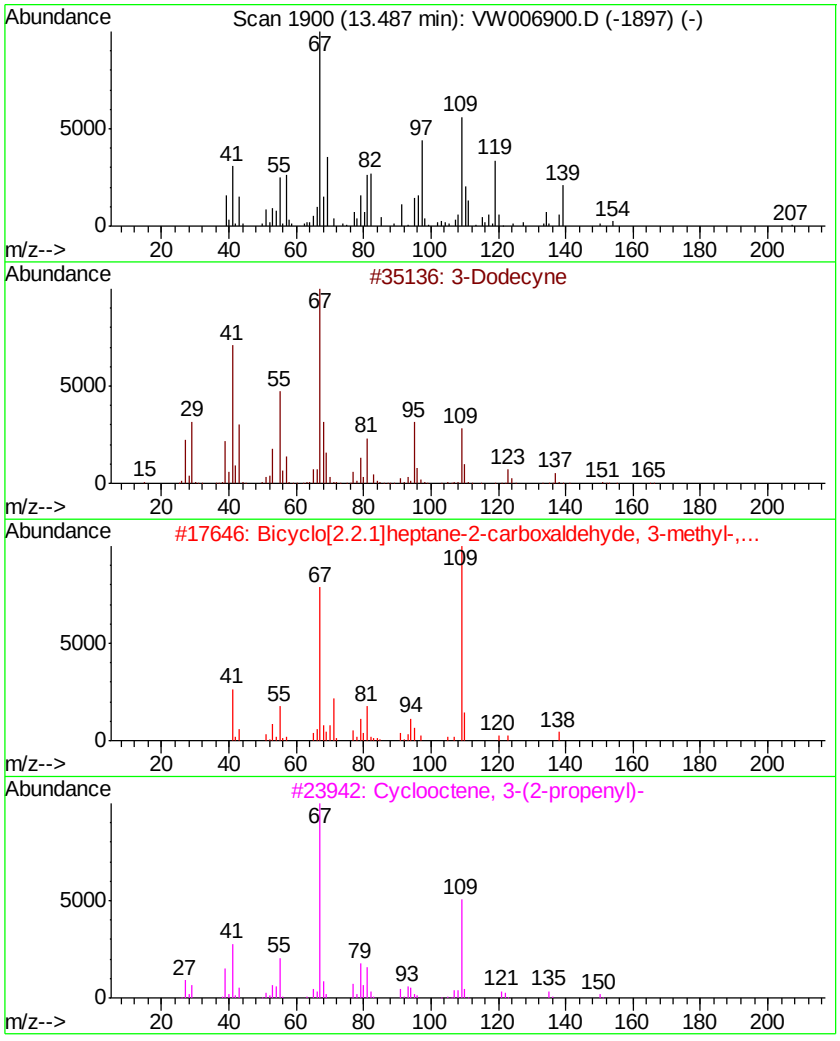
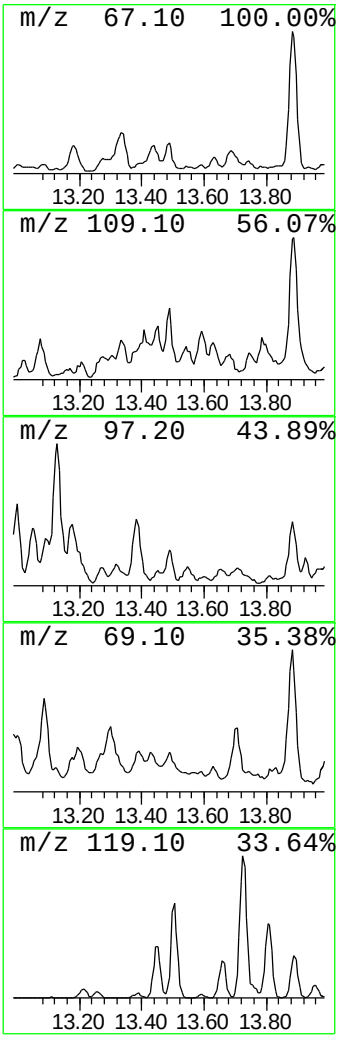
Peak Number 26 unknown-02 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	7.11 ug/L	114116	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Dodecyne	166	C12H22	006790-27-8	43
2	Bicyclo[2.2.1]heptane-2-carboxal...	138	C9H14O	015780-36-6	38
3	Cyclooctene, 3-(2-propenyl)-	150	C11H18	061141-59-1	38
4	1-Cyclooctene, 3-bromo-	188	C8H13Br	1000163-39-0	35
5	1-Propylcyclopentene	110	C8H14	003074-61-1	30





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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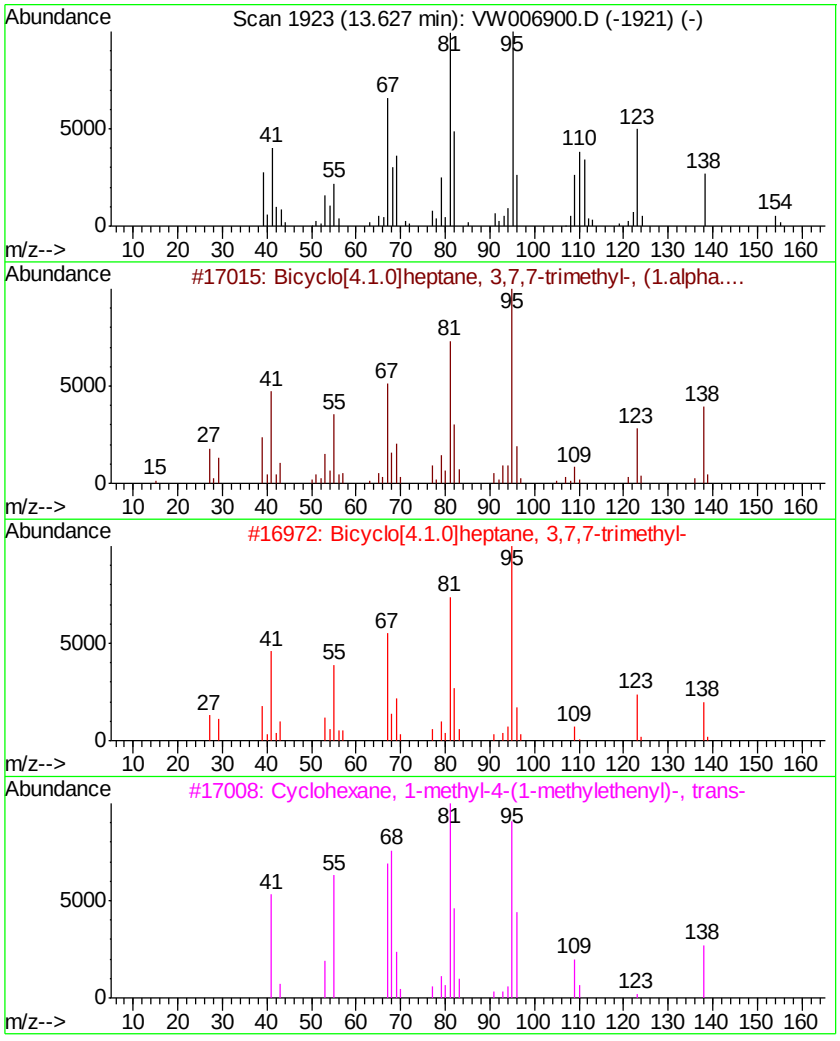
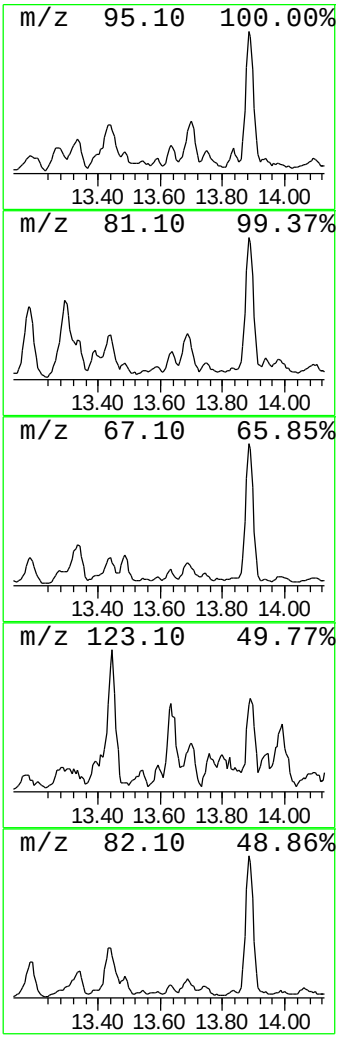
Peak Number 27 Bicyclo[4.1.0]heptane, 3,7,... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	3.22 ug/L	51592	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	76
2	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	76
3	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	76
4	1-Methyl-2-methylenecyclohexane	110	C8H14	002808-75-5	68
5	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	64





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Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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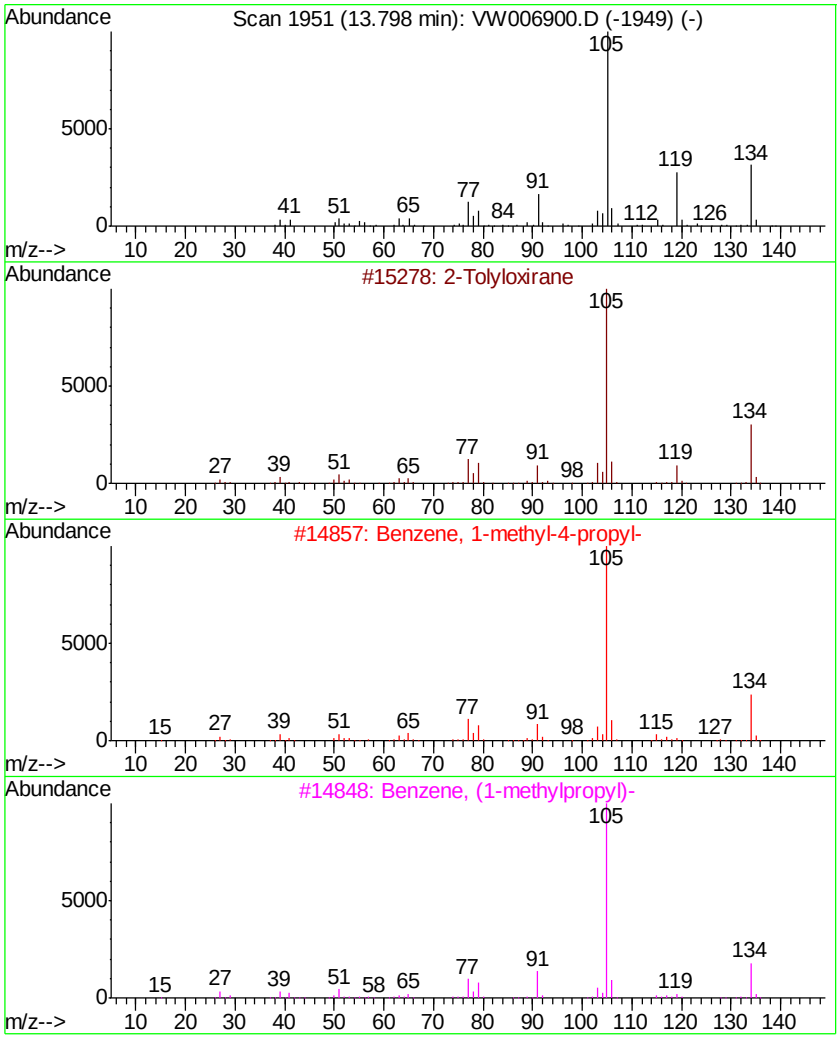
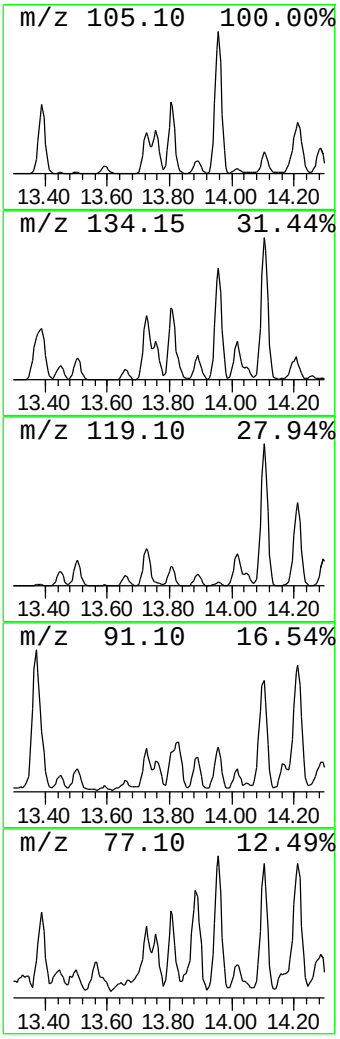
Peak Number 28 2-Tolyloxirane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	8.63 ug/L	138424	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tolyloxirane	134	C9H10O	002783-26-8	87
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	81
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	59





Library Search Compound Report

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Data File : VW006900.D
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Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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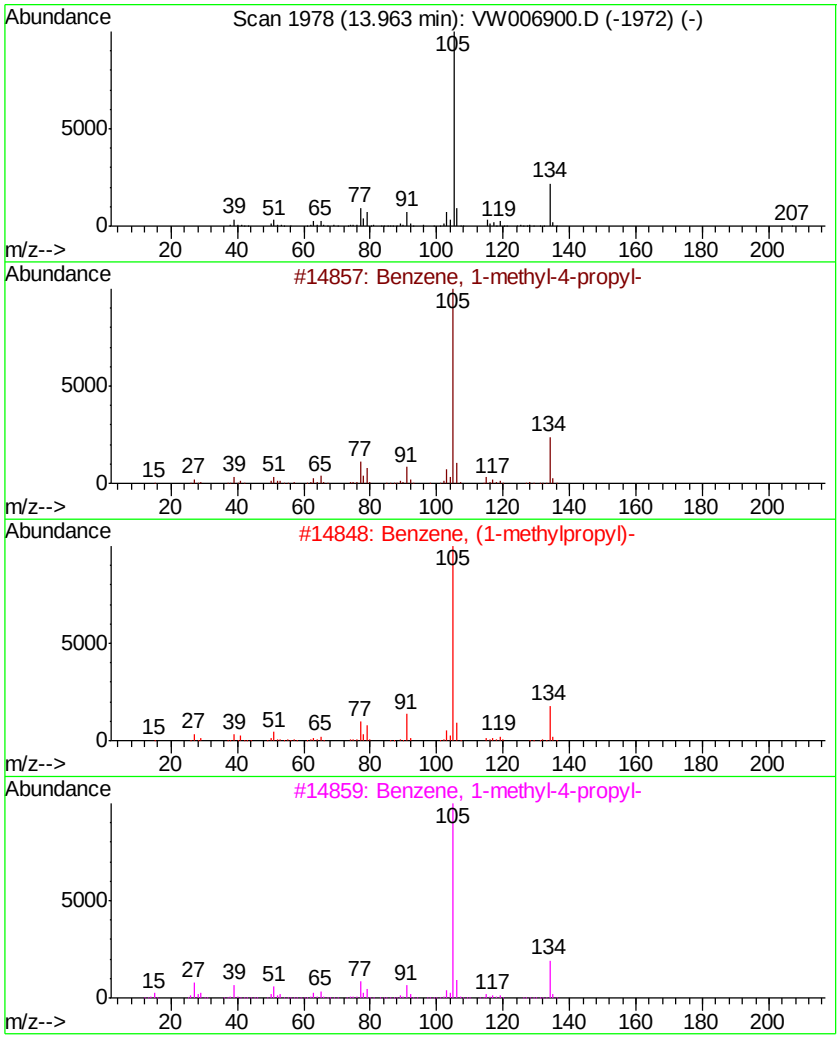
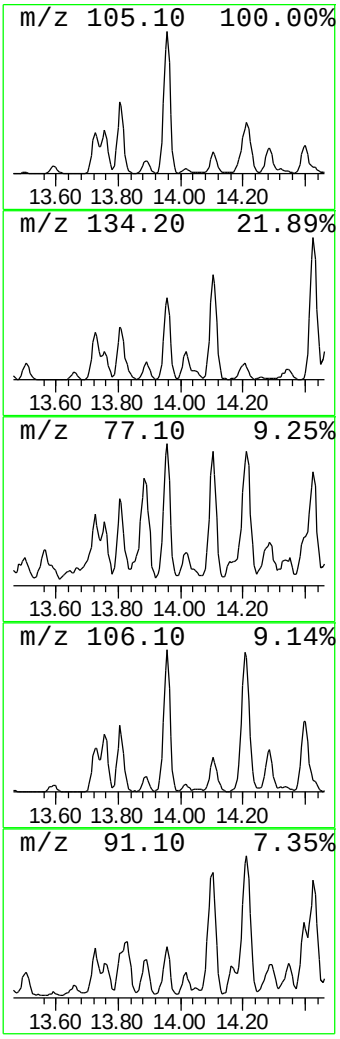
Peak Number 29 Benzene, 1-methyl-4-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	15.03 ug/L	241020	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	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-methyl-4-propyl-	134	C10H14	001074-55-1	90





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

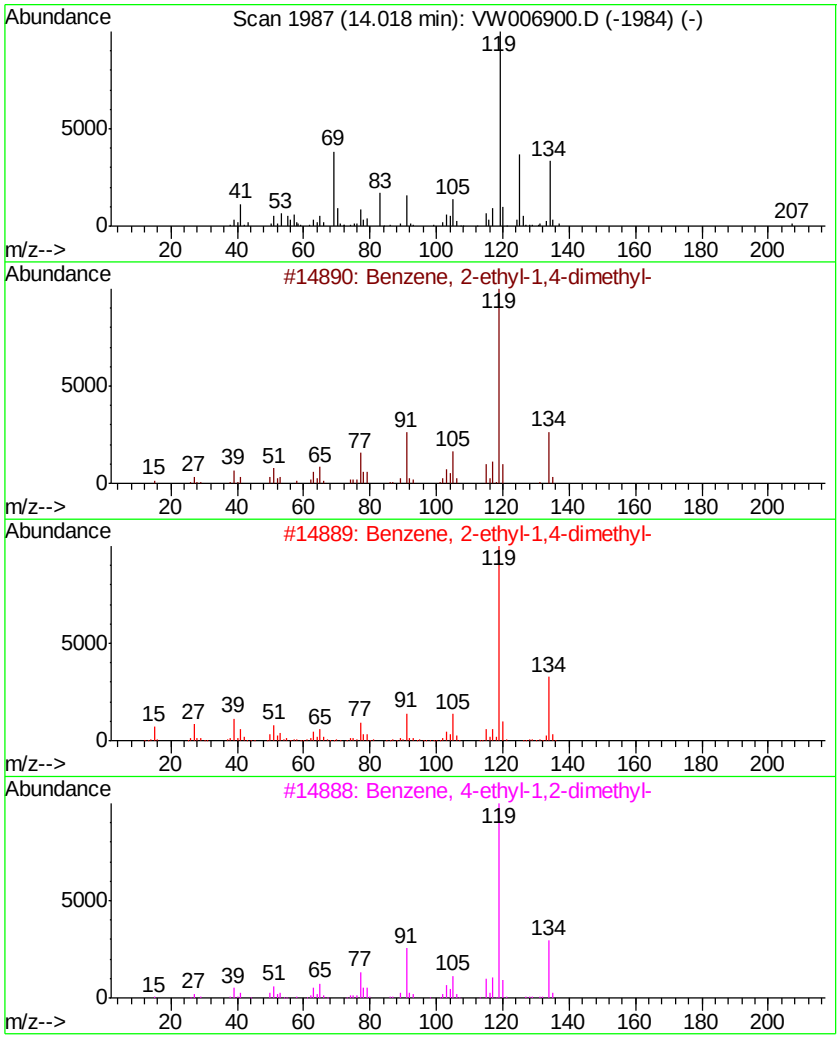
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

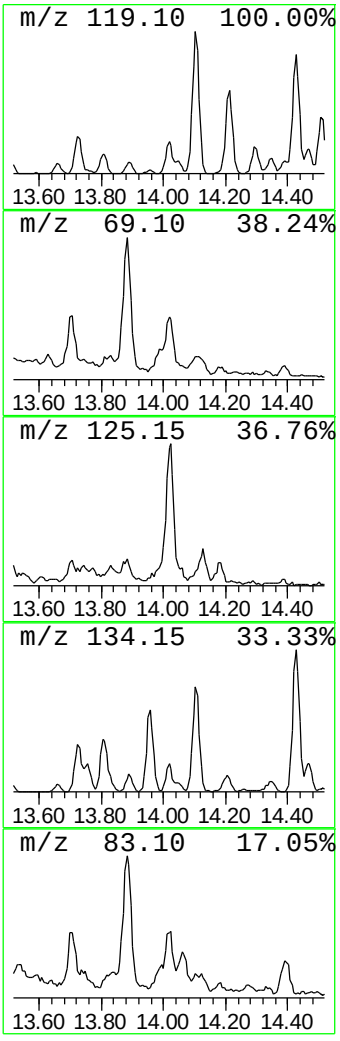
****

Peak Number 30 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	4.94 ug/L	79221	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

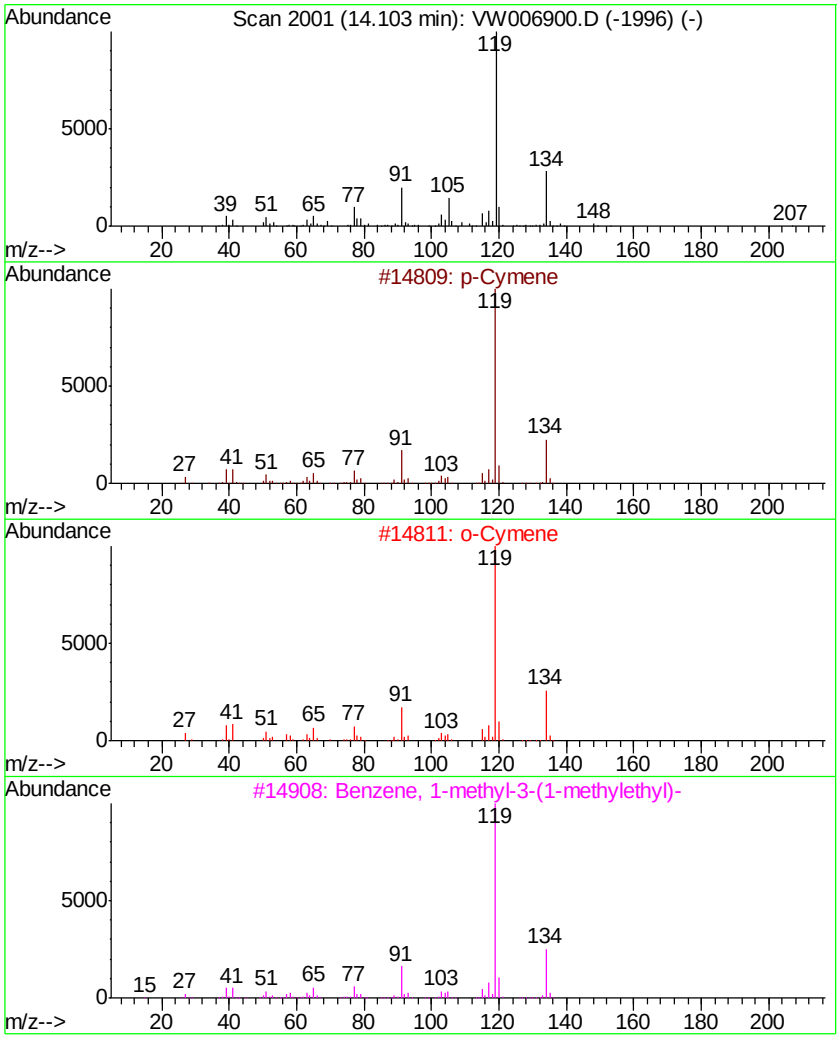
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

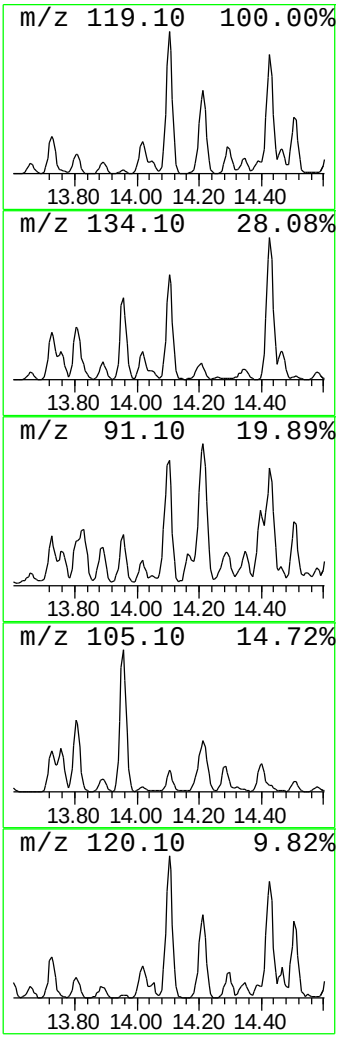
****

Peak Number 31 p-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	21.98 ug/L	352628	1,4-Dichlorobenzene-d4	13.56

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





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

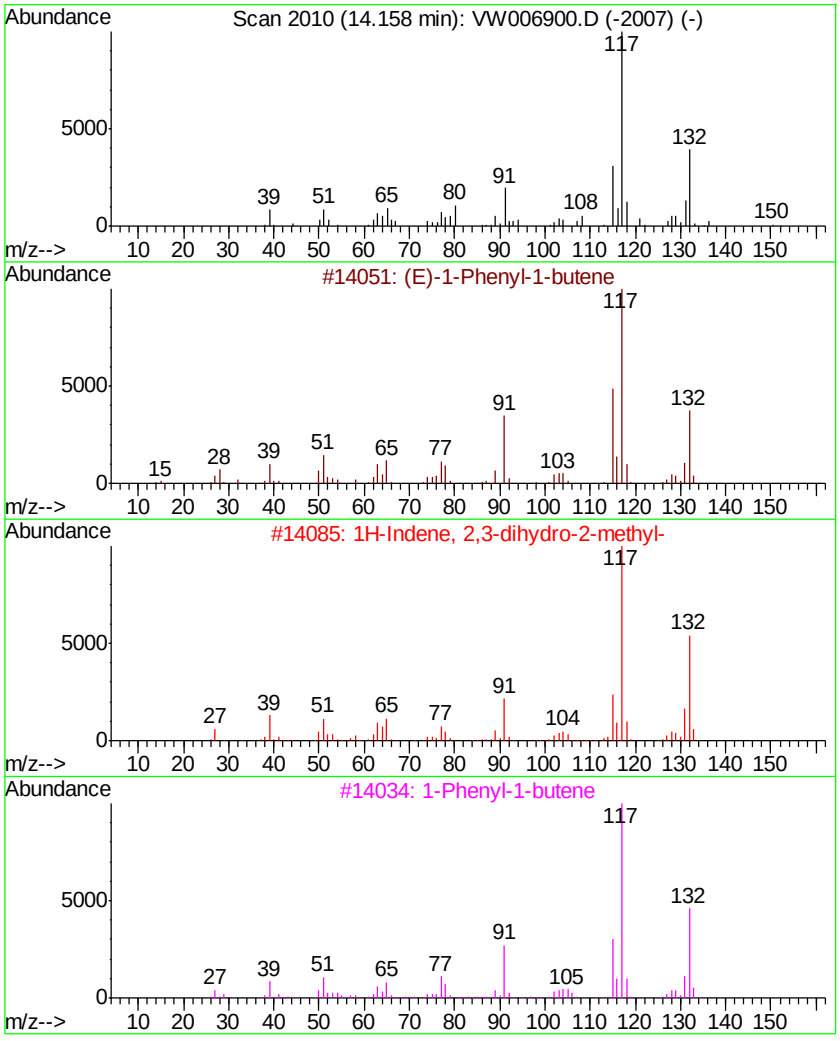
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

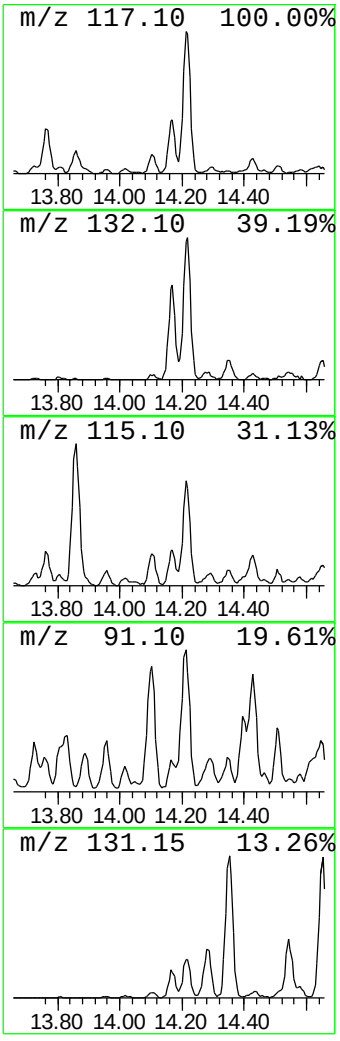
****

Peak Number 32 (E)-1-Phenyl-1-butene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	5.53 ug/L	88655	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	91
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

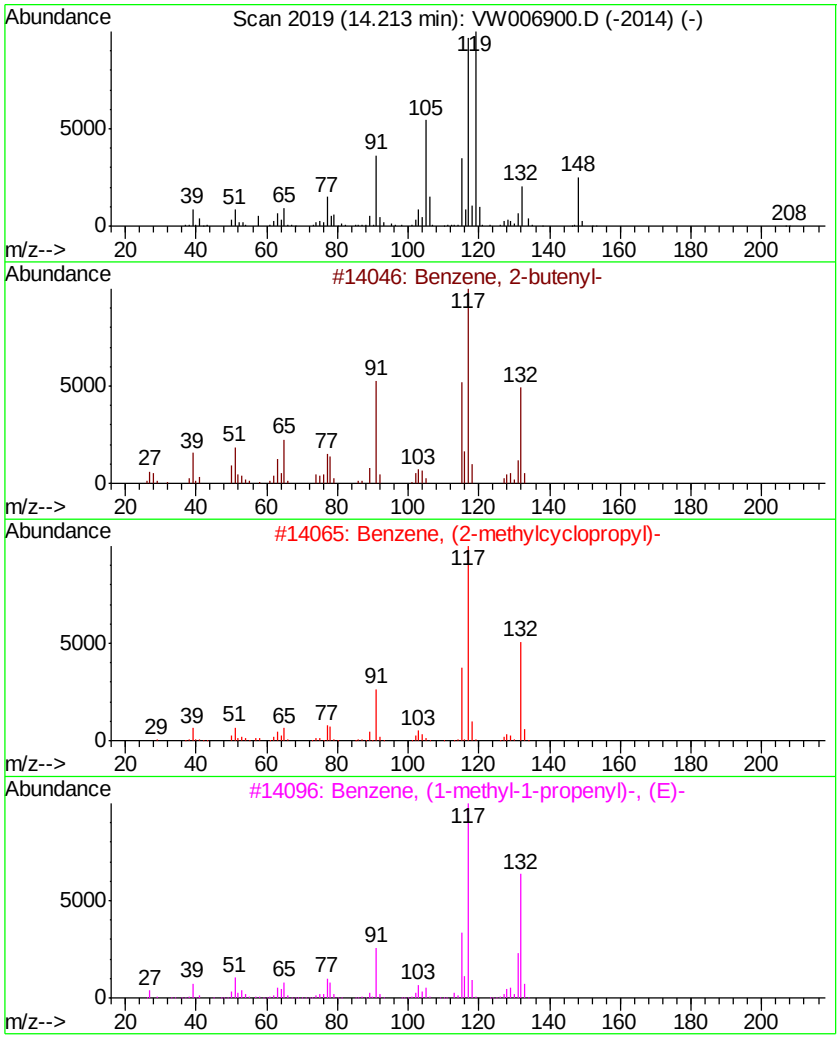
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

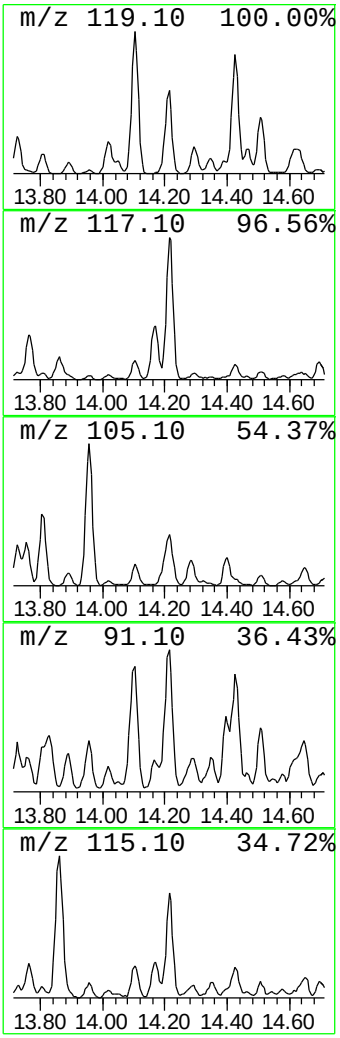
****

Peak Number 33 Benzene, 2-butenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	28.60 ug/L	458814	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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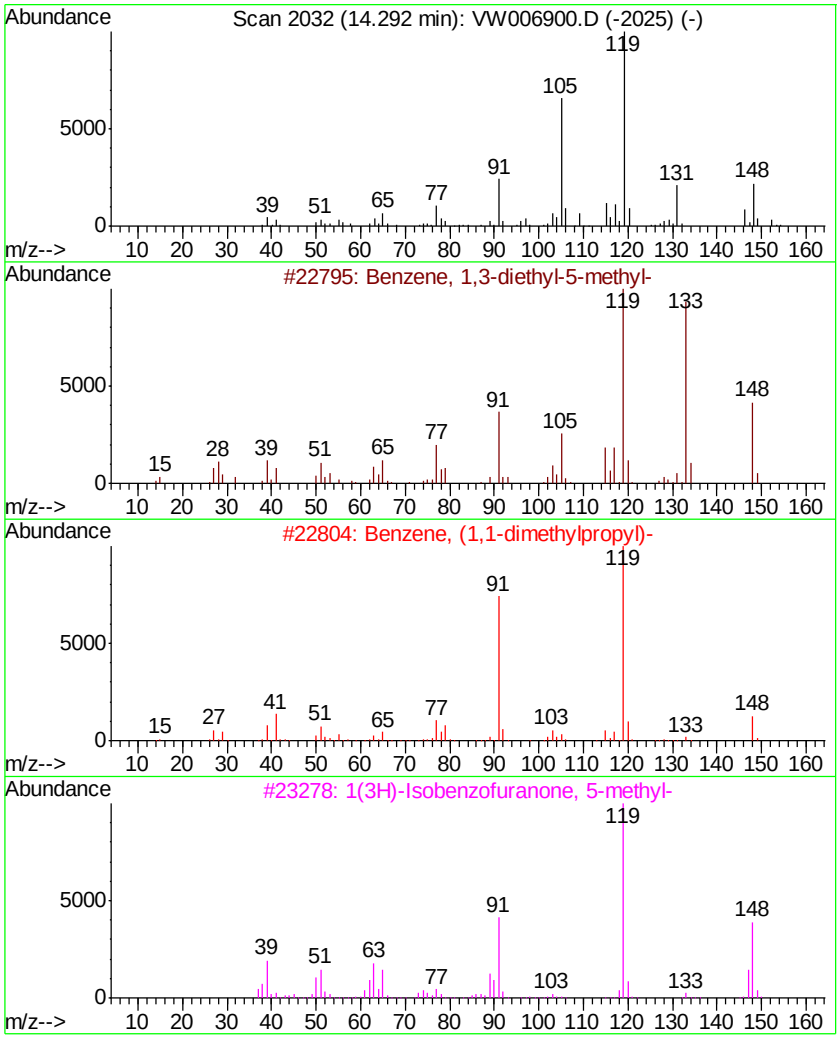
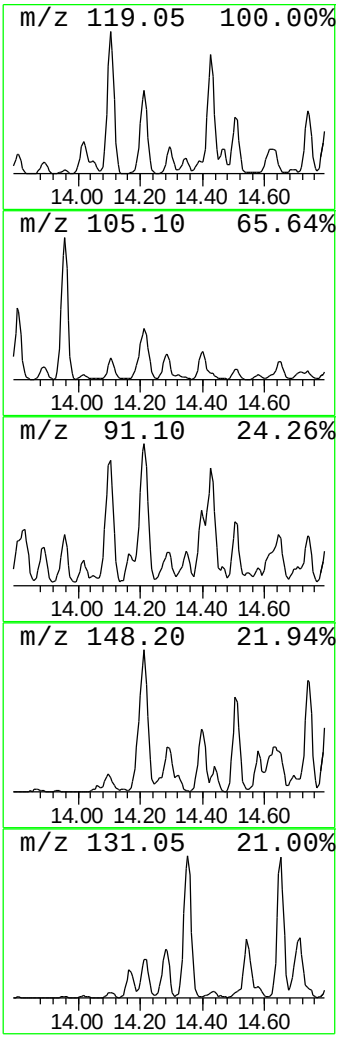
Peak Number 34 unknown-03 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	7.90 ug/L	126741	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	46
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
3	1(3H)-Isobenzofuranone, 5-methyl-	148	C9H8O2	054120-64-8	38
4	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	35
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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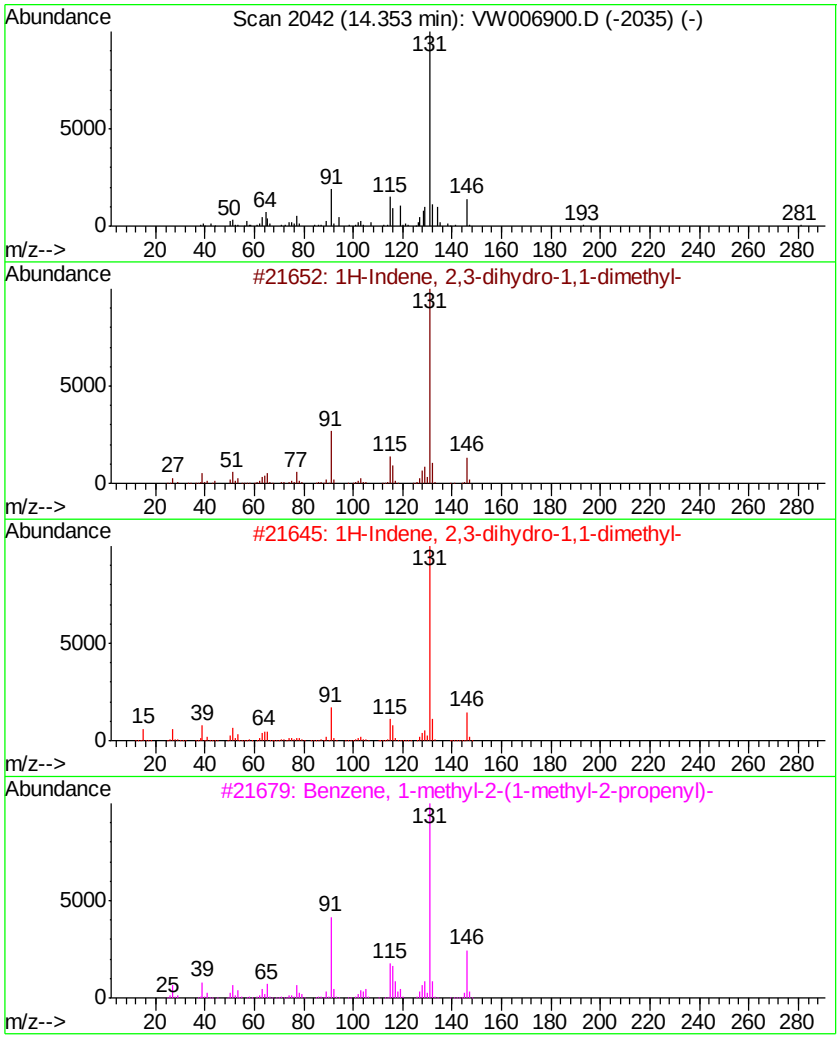
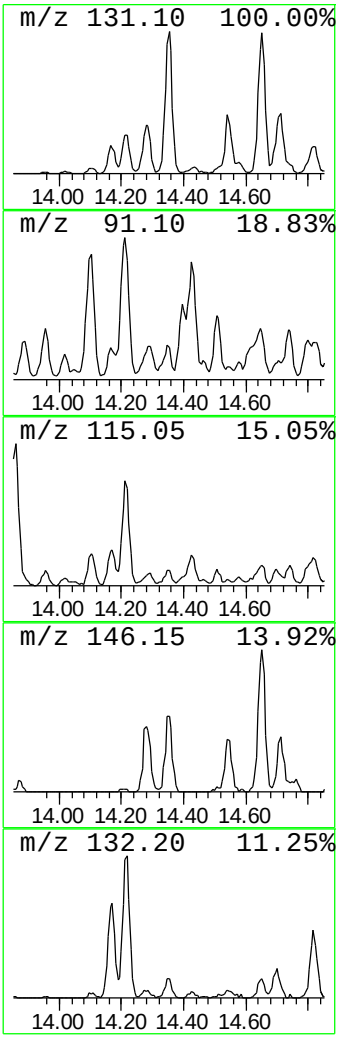
Peak Number 35 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	5.69 ug/L	91348	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
3	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	64
4	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	59
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	59





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Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

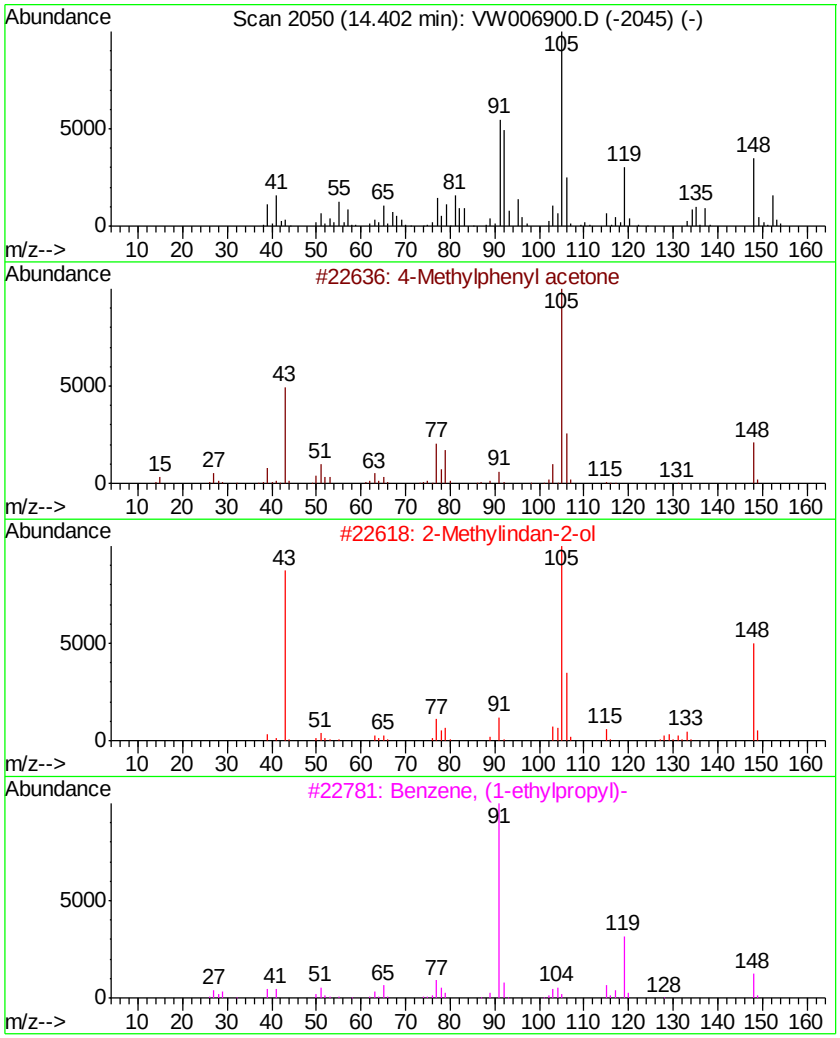
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

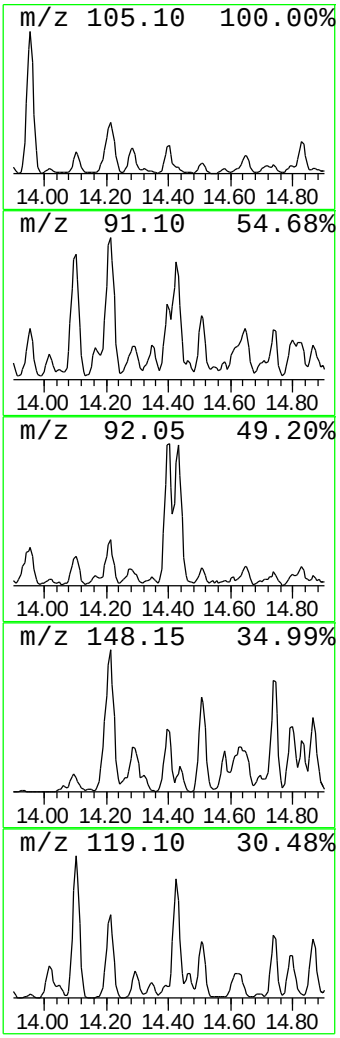
****

Peak Number 36 unknown-04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	9.57 ug/L	153456	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylphenyl acetone	148	C10H12O	002096-86-8	38
2	2-Methylindan-2-ol	148	C10H12O	033223-84-6	30
3	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	25
4	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	25
5	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	22





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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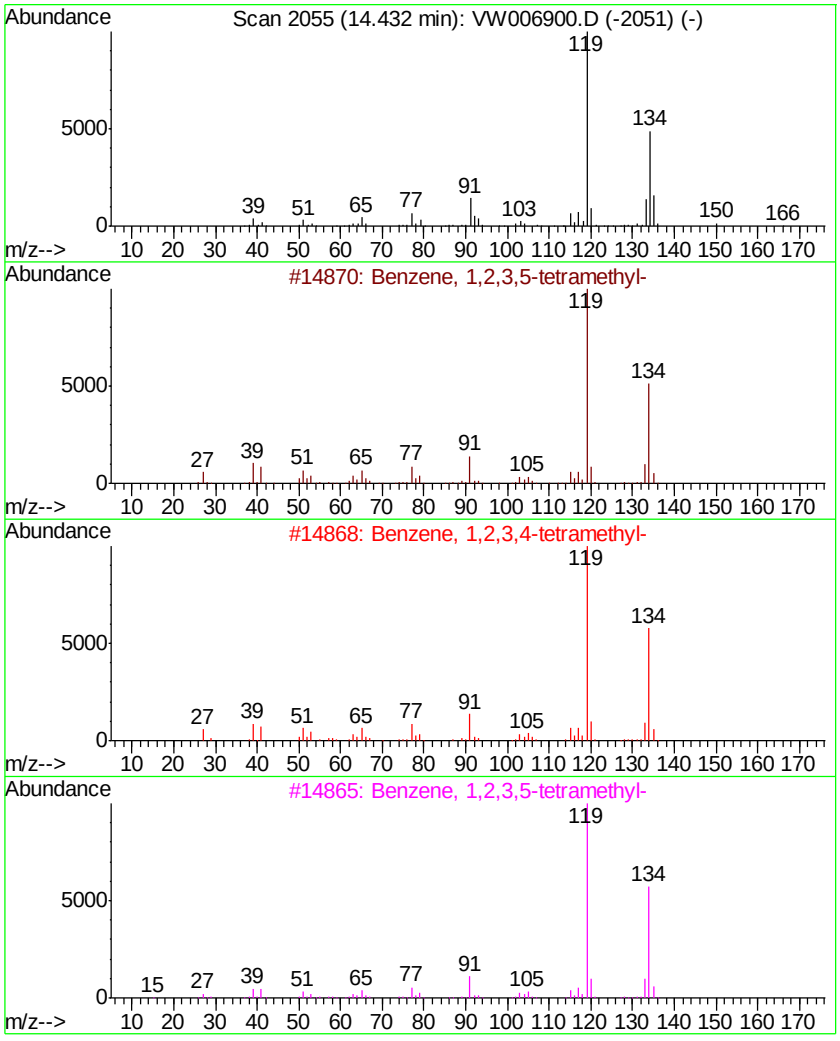
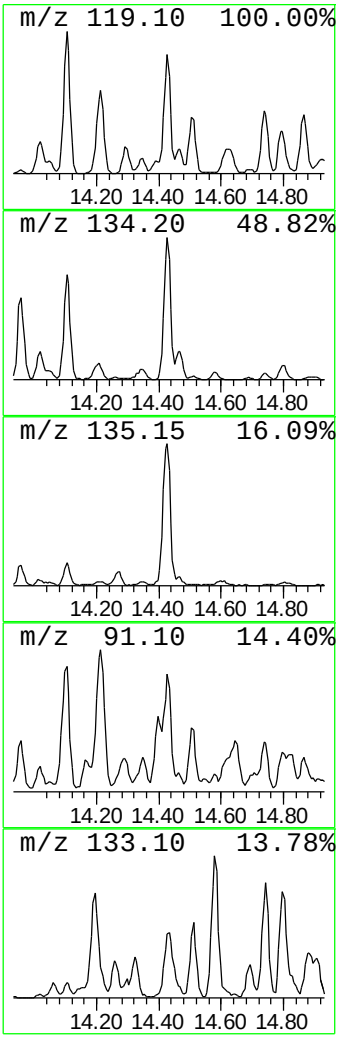
Peak Number 37 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	16.48 ug/L	264278	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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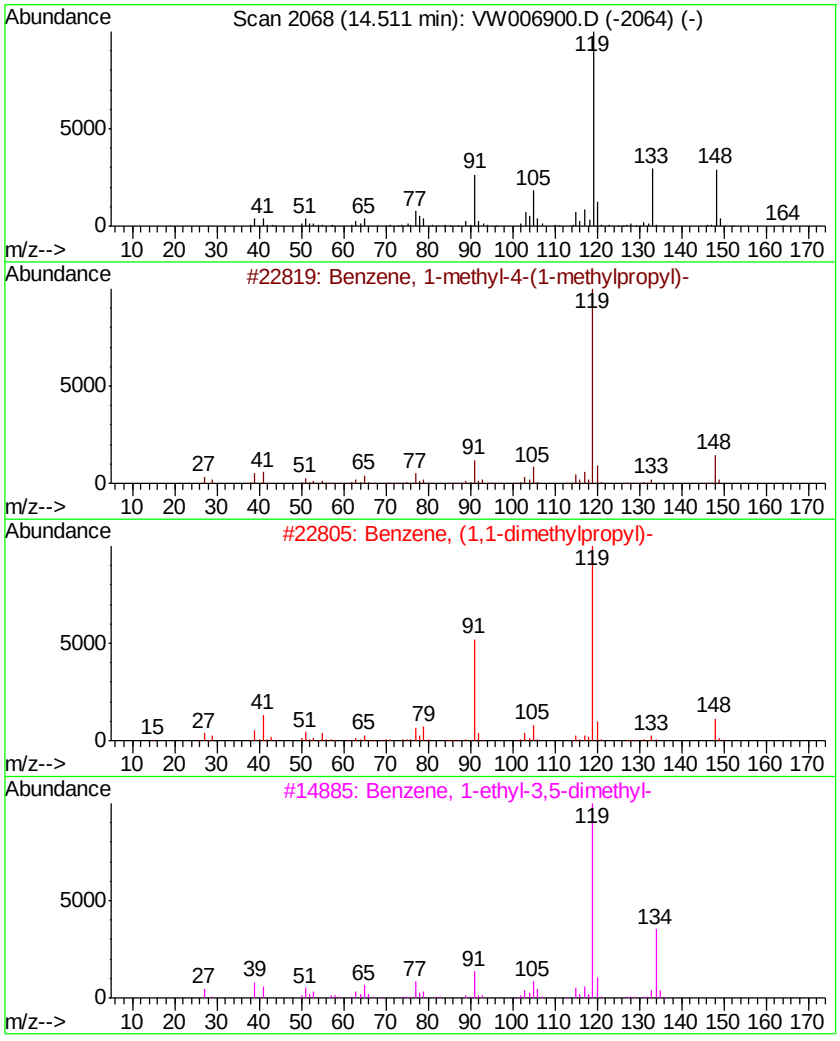
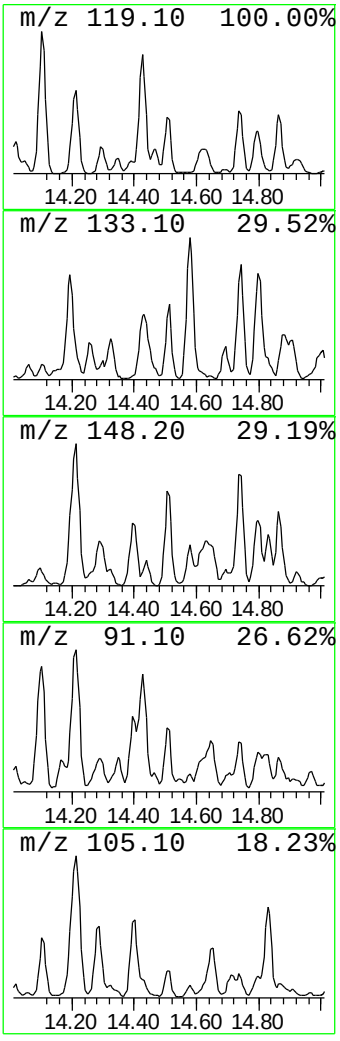
Peak Number 38 Benzene, 1-methyl-4-(1-meth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	7.09 ug/L	113781	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	81
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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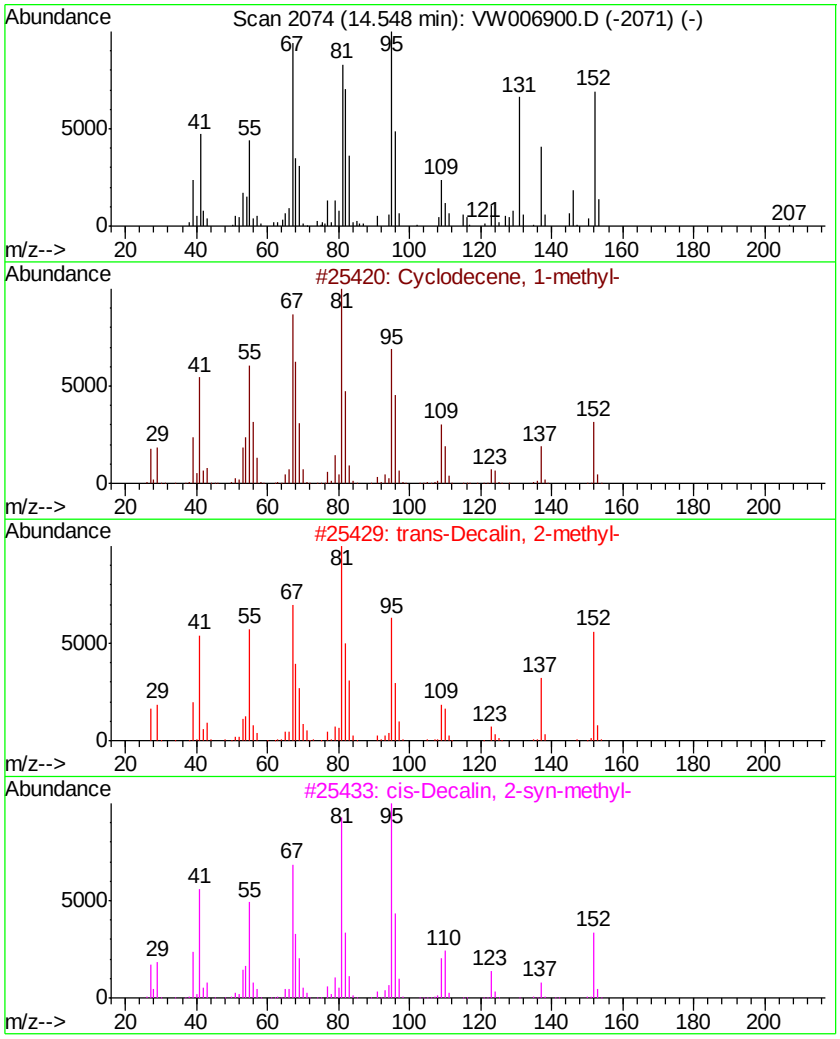
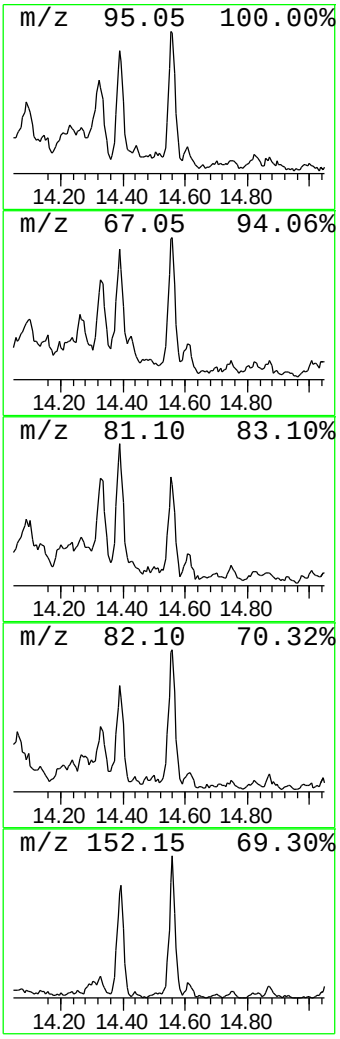
Peak Number 39 Cyclodecene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	6.61 ug/L	106037	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	83
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	74
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	68
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	64
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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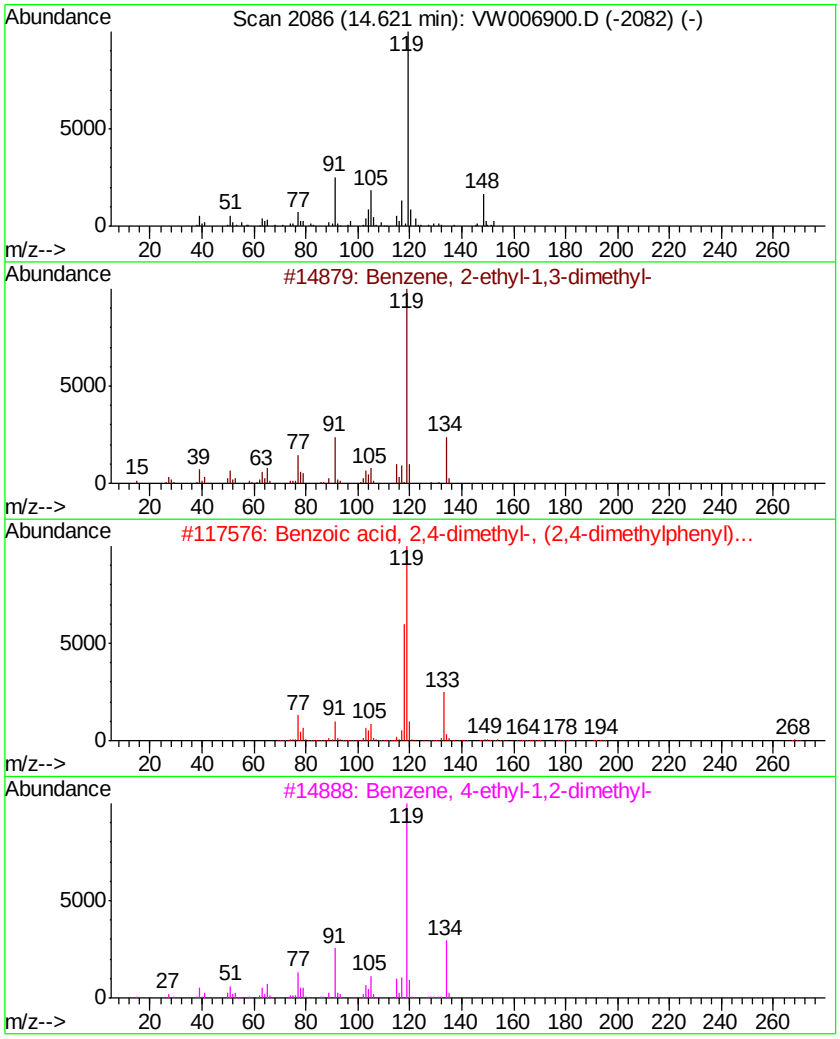
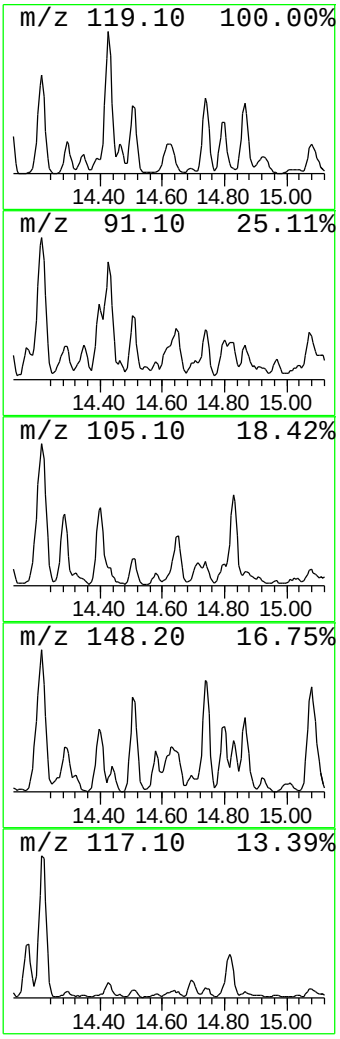
Peak Number 40 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	2.10 ug/L	33658	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
2	Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	64
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	59
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

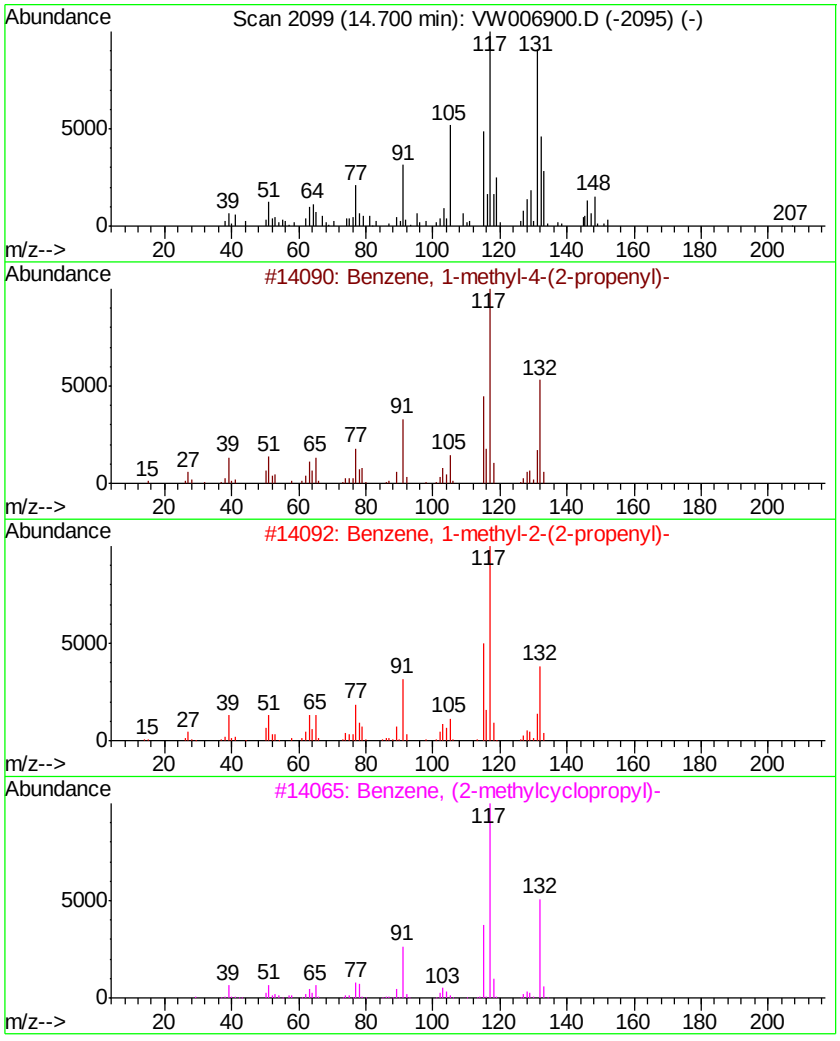
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

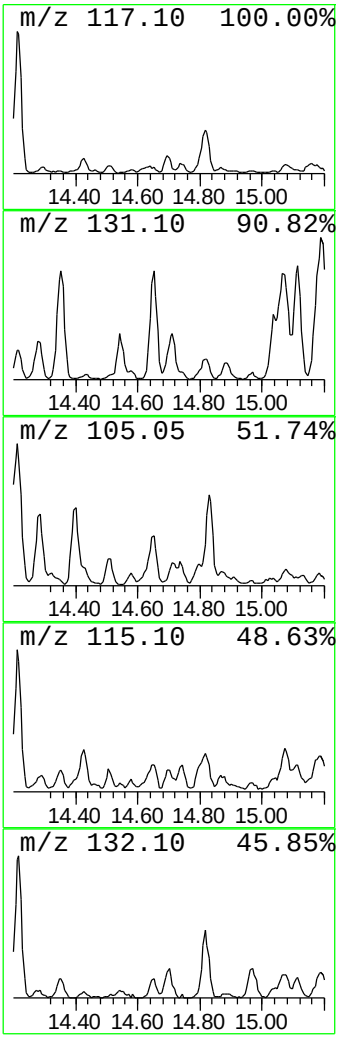
****

Peak Number 41 Benzene, 1-methyl-4-(2-prop... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	3.80 ug/L	60967	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	49
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

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

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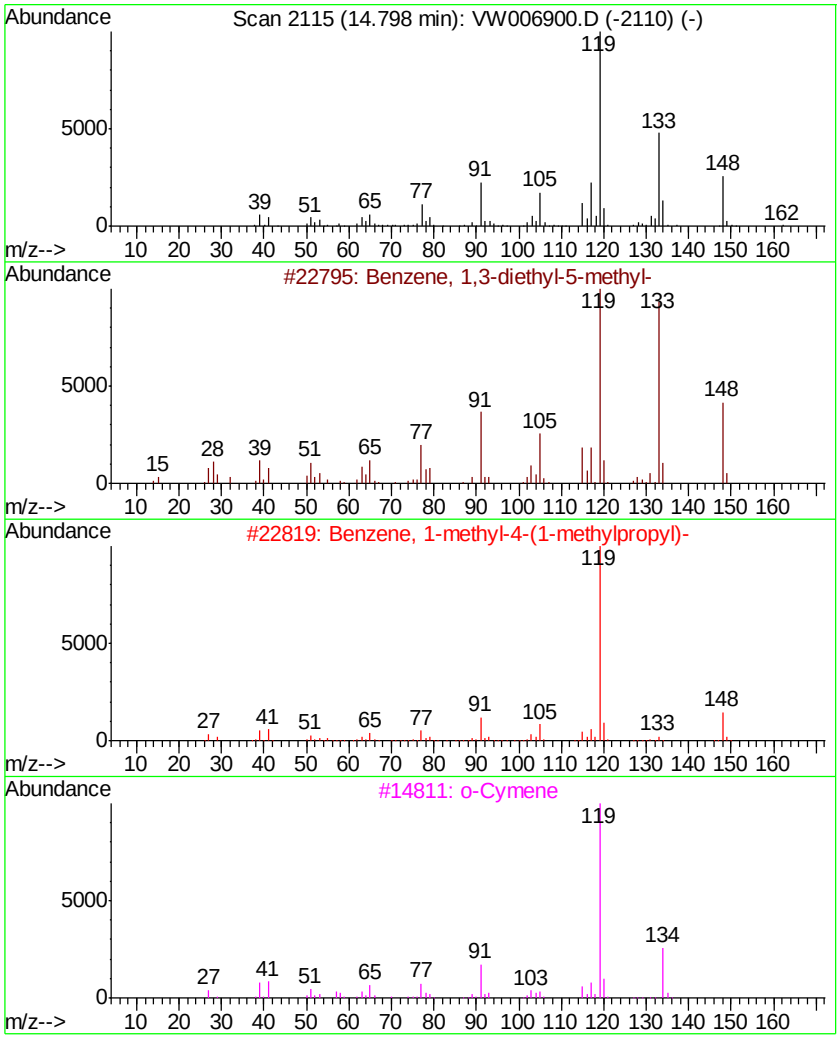
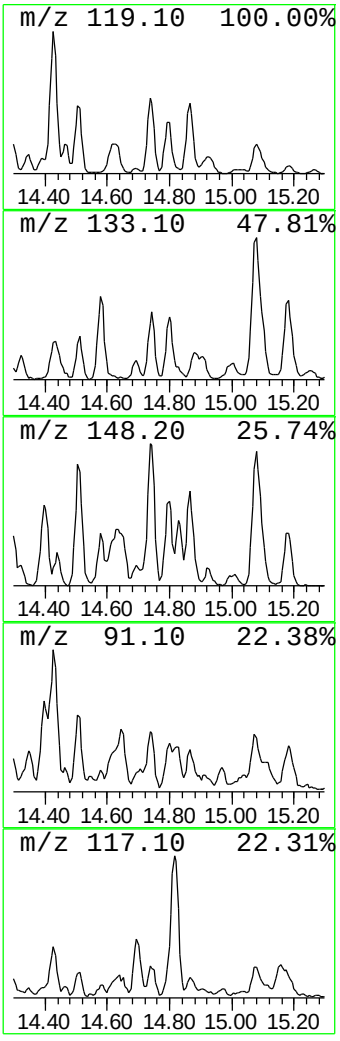
Peak Number 43 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	8.38 ug/L	134344	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	92
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	53
3	o-Cymene	134	C10H14	000527-84-4	49
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	49
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

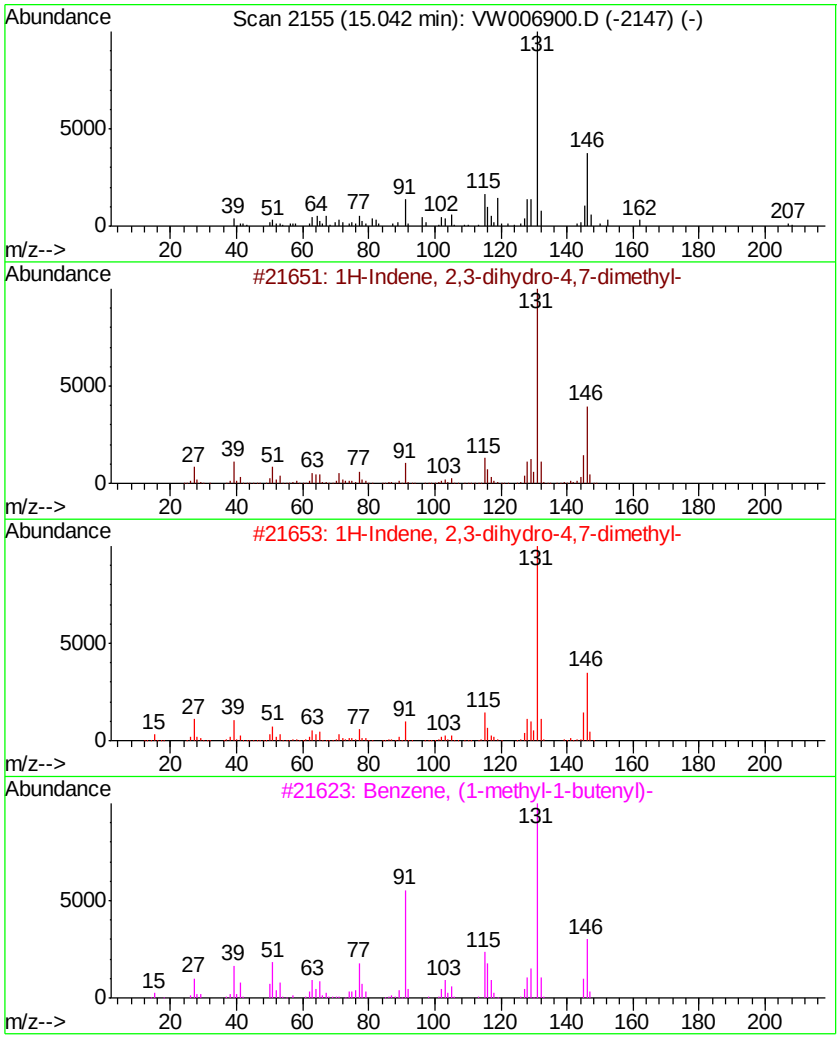
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

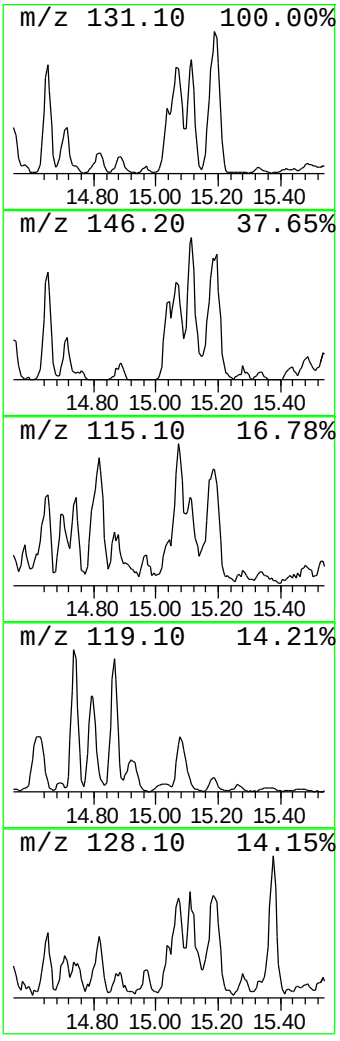
****

Peak Number 45 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	3.09 ug/L	49580	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
4	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

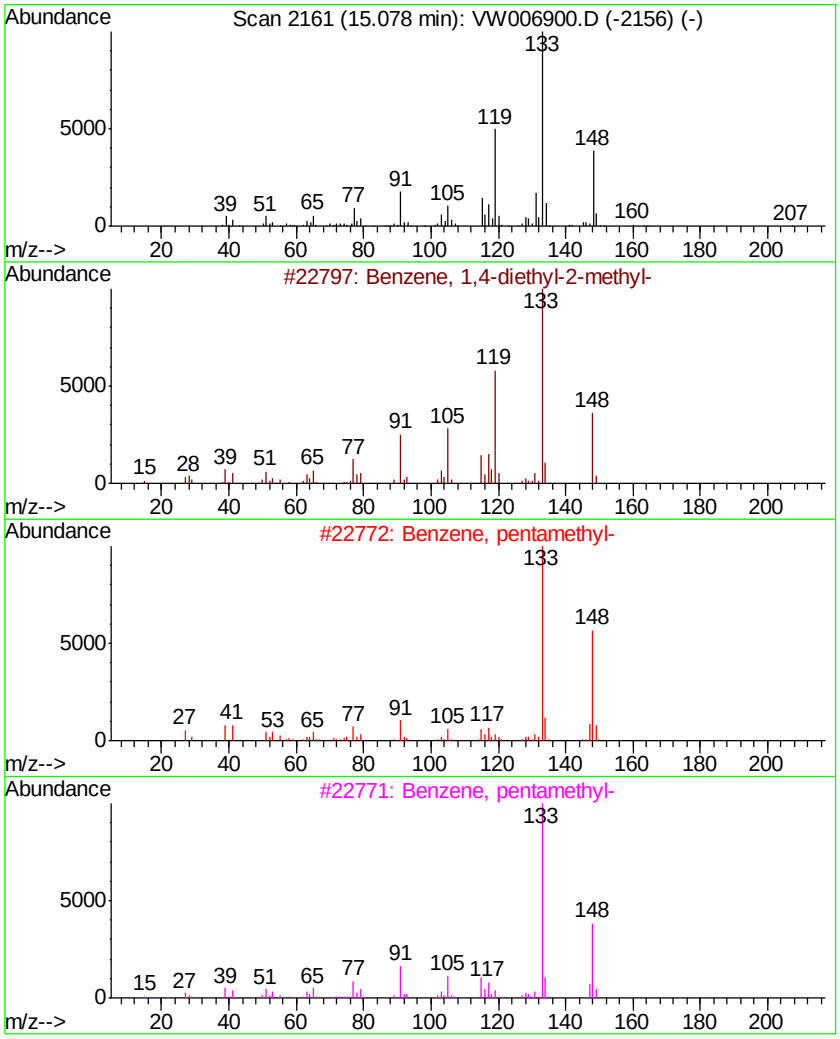
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

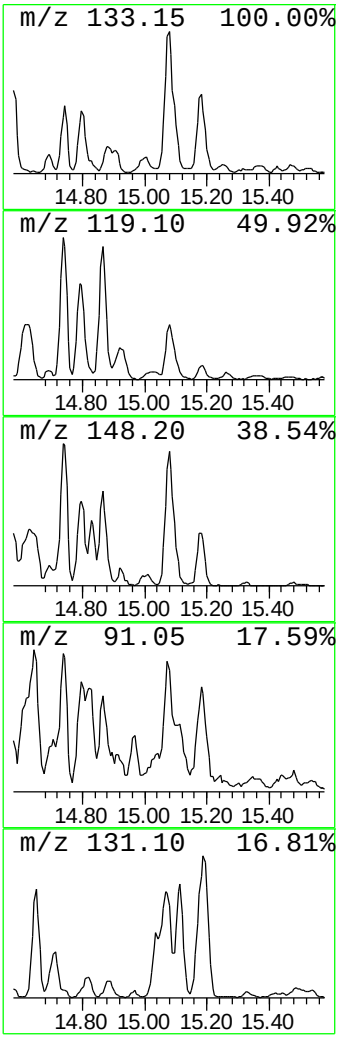
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	10.06 ug/L	161432	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	90
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	72
5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

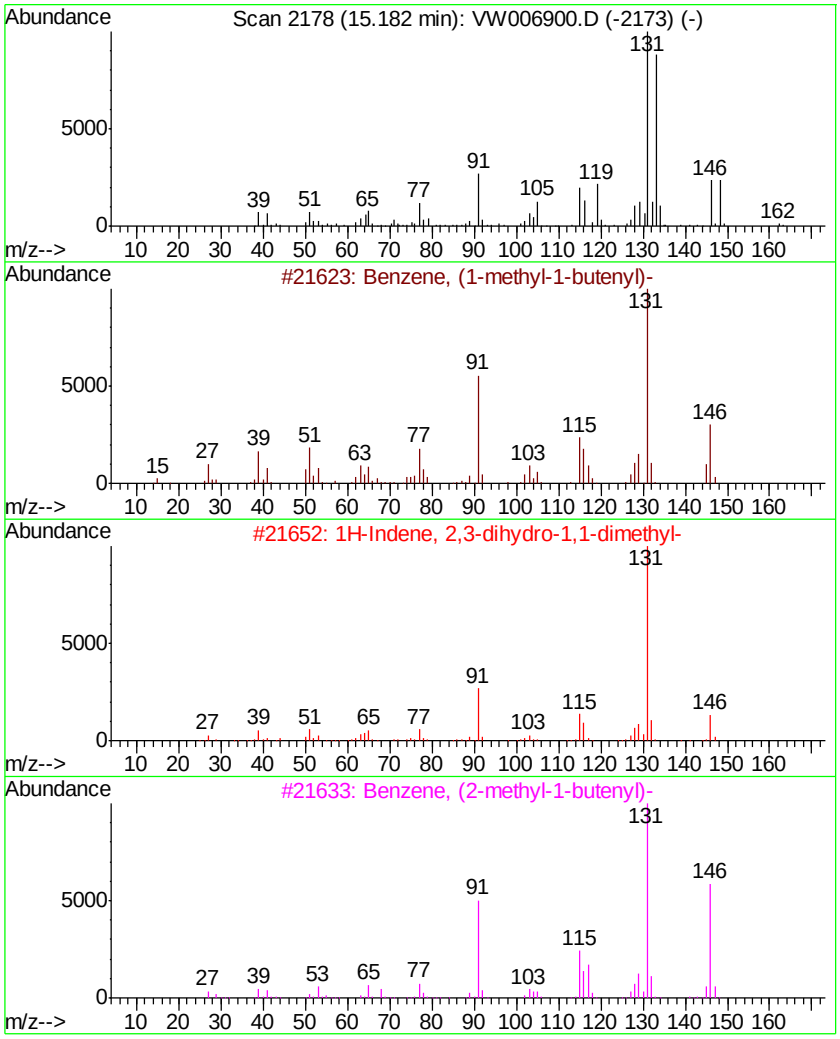
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis

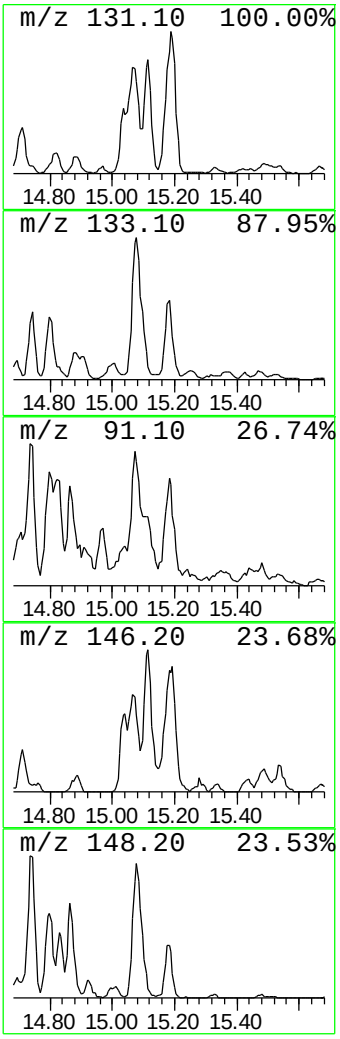
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, (1-methyl-1-butenyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	11.36 ug/L	182283	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	50
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	50
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111518\
Data File : VW006900.D
Acq On : 15 Nov 2018 16:29
Operator : SY/AP
Sample : J5945-06
Misc : 6.50G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOA4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.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...	9.76	1.7	ug/L	26067	1	8.85	392087	25.0
(DEL) Alkane: Cyc...	10.67	2.5	ug/L	48117	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	11.23	3.7	ug/L	71130	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	11.29	1.8	ug/L	34744	2	11.63	478319	25.0
1-Decanol	11.34	3.0	ug/L	58253	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	11.44	8.0	ug/L	152037	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	11.77	3.8	ug/L	71794	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	11.82	1.3	ug/L	25397	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	11.88	3.0	ug/L	57598	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	11.98	2.2	ug/L	42690	2	11.63	478319	25.0
Cyclohexene, 1-me...	12.04	2.4	ug/L	46271	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	12.15	17.0	ug/L	325095	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	12.23	1.5	ug/L	28154	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	12.30	5.1	ug/L	97569	2	11.63	478319	25.0
1H-Indene, octahy...	12.35	18.5	ug/L	354440	2	11.63	478319	25.0
1-(1-Propynyl)cyc...	12.57	2.7	ug/L	51018	2	11.63	478319	25.0
(DEL) Alkane: Cyc...	12.79	49.7	ug/L	797774	3	13.56	401018	25.0
(DEL) Alkane: Cyc...	12.87	12.2	ug/L	196306	3	13.56	401018	25.0
1,1'-Bicyclohexyl...	12.94	21.4	ug/L	343858	3	13.56	401018	25.0
(DEL) Alkane: Cyc...	13.08	5.3	ug/L	84434	3	13.56	401018	25.0
Cyclohexene, 1-bu...	13.18	16.1	ug/L	258485	3	13.56	401018	25.0
Benzene, (1-methy...	13.39	9.3	ug/L	148755	3	13.56	401018	25.0
unknown-01	13.44	9.1	ug/L	146633	3	13.56	401018	25.0
unknown-02	13.49	7.1	ug/L	114116	3	13.56	401018	25.0
Bicyclo[4.1.0]hep...	13.63	3.2	ug/L	51592	3	13.56	401018	25.0
2-Tolyloxirane	13.80	8.6	ug/L	138424	3	13.56	401018	25.0
Benzene, 1-methyl...	13.96	15.0	ug/L	241020	3	13.56	401018	25.0
Benzene, 2-ethyl-...	14.02	4.9	ug/L	79221	3	13.56	401018	25.0
p-Cymene	14.10	22.0	ug/L	352628	3	13.56	401018	25.0
(E)-1-Phenyl-1-bu...	14.16	5.5	ug/L	88655	3	13.56	401018	25.0
Benzene, 2-butenyl-	14.21	28.6	ug/L	458814	3	13.56	401018	25.0
unknown-03	14.29	7.9	ug/L	126741	3	13.56	401018	25.0
1H-Indene, 2,3-di...	14.35	5.7	ug/L	91348	3	13.56	401018	25.0
unknown-04	14.40	9.6	ug/L	153456	3	13.56	401018	25.0
Benzene, 1,2,3,5-...	14.43	16.5	ug/L	264278	3	13.56	401018	25.0
Benzene, 1-methyl...	14.51	7.1	ug/L	113781	3	13.56	401018	25.0
Cyclodecene, 1-me...	14.55	6.6	ug/L	106037	3	13.56	401018	25.0
Benzene, 2-ethyl-...	14.62	2.1	ug/L	33658	3	13.56	401018	25.0
Benzene, 1-methyl...	14.70	3.8	ug/L	60967	3	13.56	401018	25.0
Benzene, 1,3-diet...	14.80	8.4	ug/L	134344	3	13.56	401018	25.0
1H-Indene, 2,3-di...	15.04	3.1	ug/L	49580	3	13.56	401018	25.0
Benzene, 1,4-diet...	15.08	10.1	ug/L	161432	3	13.56	401018	25.0
Benzene, (1-methy...	15.18	11.4	ug/L	182283	3	13.56	401018	25.0