LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008567.D
Acq On : 07 Feb 2019 21:44
Operator : SY/VA
Sample : K1409-04
Misc : 5.20G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-09(13-16)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\82W012419S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.026	172	184	216	rBV	35937303	101913397	24.95%	1.378%
2	3.385	232	243	268	rBV2	36574659	107125505	26.23%	1.448%
3	4.099	346	360	390	rVB	4839010	20498010	5.02%	0.277%
4	4.952	476	500	561	rVV4	71699441	408458382	100.00%	5.523%
5	5.434	561	579	618	rVV3	49688698	225957459	55.32%	3.055%
6	5.934	646	661	680	rVV4	68379779	239925134	58.74%	3.244%
7	6.214	697	707	713	rVV	4757591	15678546	3.84%	0.212%
8	6.281	713	718	731	rVV	4949544	15102355	3.70%	0.204%
9	6.720	776	790	804	rVV2	9017254	34595891	8.47%	0.468%
10	6.873	804	815	823	rVV	15979006	57596222	14.10%	0.779%
11	6.982	823	833	854	rVV2	42994421	156066621	38.21%	2.110%
12	7.696	943	950	959	rVV2	6215385	18316410	4.48%	0.248%
13	7.933	978	989	999	rBV7	90863585	297453576	72.82%	4.022%
14	8.037	999	1006	1017	rVB	43155420	123308286	30.19%	1.667%
15	8.165	1017	1027	1047	rVB4	100555364	298956905	73.19%	4.042%
16	8.433	1063	1071	1077	rBV2	43044380	122611727	30.02%	1.658%
17	8.506	1077	1083	1090	rVV2	42599079	127638536	31.25%	1.726%
18	8.580	1090	1095	1104	rVB	27736007	70665235	17.30%	0.955%
19	8.701	1104	1115	1127	rVB4	97465342	244588089	59.88%	3.307%
20	8.836	1127	1137	1142	rBV2	35304738	87107196	21.33%	1.178%
21	8.890	1142	1146	1151	rVB2	12911171	22487905	5.51%	0.304%
22	8.994	1158	1163	1170	rVB	12327708	23215831	5.68%	0.314%
23	9.092	1170	1179	1187	rBV5	8030304	34868465	8.54%	0.471%
24	9.335	1203	1219	1225	rBV3	107016978	328560801	80.44%	4.443%
25	9.390	1225	1228	1237	rVB	36784624	69498348	17.01%	0.940%
26	9.518	1242	1249	1255	rVB	28572186	54193571	13.27%	0.733%
27	9.610	1255	1264	1272	rVB3	23793289	58504750	14.32%	0.791%
28	9.756	1282	1288	1299	rBV3	26205037	68246842	16.71%	0.923%
29	9.854	1299	1304	1307	rBV2	16592677	30065255	7.36%	0.407%
30	9.902	1307	1312	1317	rBV2	32055700	56276565	13.78%	0.761%
31	9.963	1317	1322	1326	rBV3	71436593	147388868	36.08%	1.993%
32	10.104	1335	1345	1356	rBV3	87167289	228393129	55.92%	3.088%
33	10.250	1364	1369	1375	rVB2	19585400	37481877	9.18%	0.507%
34	10.323	1375	1381	1386	rBV	44492028	96280281	23.57%	1.302%

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Instrument : MSVOA_W
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Integrator: RTE
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Title : SW846 8260

35	10.445	1392	1401	1404	rBV3	20944449	46205104	11.31%	0.625%
36	10.512	1404	1412	1418	rVV4	96404425	215100620	52.66%	2.908%
37	10.573	1418	1422	1426	rVV2	12092656	19271313	4.72%	0.261%
38	10.622	1426	1430	1434	rVB3	9149197	14611638	3.58%	0.198%
39	10.671	1434	1438	1445	rVB4	13277665	29304027	7.17%	0.396%
40	10.762	1445	1453	1462	rBV6	37528225	112888759	27.64%	1.526%
41	10.847	1462	1467	1473	rVB	22924689	43675685	10.69%	0.591%
42	10.939	1473	1482	1488	rBV2	23317117	48481070	11.87%	0.656%
43	11.000	1488	1492	1494	rBV	8879206	14661197	3.59%	0.198%
44	11.043	1494	1499	1506	rVV	31902683	70959224	17.37%	0.959%
45	11.110	1506	1510	1512	rVV4	12047323	18997826	4.65%	0.257%
46	11.146	1512	1516	1519	rVV2	15734291	29820028	7.30%	0.403%
47	11.183	1519	1522	1526	rVV2	15550344	25982292	6.36%	0.351%
48	11.231	1526	1530	1535	rVV	15208950	32490564	7.95%	0.439%
49	11.286	1536	1539	1544	rVV3	10697007	17403968	4.26%	0.235%
50	11.341	1544	1548	1552	rVV	16214627	26305417	6.44%	0.356%
51	11.414	1552	1560	1572	rVB4	73778455	192429212	47.11%	2.602%
52	11.518	1572	1577	1583	rBV2	56369483	97864272	23.96%	1.323%
53	11.634	1591	1596	1601	rBV3	9476678	16276406	3.98%	0.220%
54	11.731	1607	1612	1616	rBV3	18355347	29986221	7.34%	0.405%
55	11.847	1621	1631	1640	rVV5	58121814	145041448	35.51%	1.961%
56	11.920	1640	1643	1647	rVB	10989482	16122151	3.95%	0.218%
57	12.061	1662	1666	1673	rVB4	9830583	20498094	5.02%	0.277%
58	12.140	1673	1679	1685	rBV	24015403	50024741	12.25%	0.676%
59	12.256	1694	1698	1702	rVB	15907252	23991267	5.87%	0.324%
60	12.335	1702	1711	1715	rBV5	13904382	34504726	8.45%	0.467%
61	12.469	1728	1733	1736	rVV	10384872	20346698	4.98%	0.275%
62	12.512	1737	1740	1743	rVV3	13128806	26861766	6.58%	0.363%
63	12.548	1743	1746	1748	rVV	18064815	29049602	7.11%	0.393%
64	12.573	1748	1750	1755	rVV	23310057	29918945	7.32%	0.405%
65	12.658	1760	1764	1768	rVV	23815262	34113422	8.35%	0.461%
66	12.804	1782	1788	1793	rBV2	36573683	63464972	15.54%	0.858%
67	12.871	1793	1799	1802	rBV2	75000484	129885624	31.80%	1.756%
68	12.908	1802	1805	1807	rVV2	44220826	67946199	16.63%	0.919%
69	12.945	1807	1811	1817	rVB3	66041796	121644138	29.78%	1.645%
70	13.109	1829	1838	1845	rBV2	27461594	64271873	15.74%	0.869%
71	13.256	1854	1862	1867	rBV2	87703882	159486796	39.05%	2.156%

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Integration Parameters: RTEINT.P
Integrator: RTE
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Title : SW846 8260

72	13.371	1874	1881	1888	rBV5	9497237	28195171	6.90%	0.381%
73	13.445	1889	1893	1897	rVB	15377370	21732607	5.32%	0.294%
74	13.493	1897	1901	1904	rBV2	9883401	14380522	3.52%	0.194%
75	13.725	1933	1939	1940	rBV	26091703	34829317	8.53%	0.471%
76	13.755	1940	1944	1947	rVV3	51230925	86990547	21.30%	1.176%
77	13.798	1947	1951	1960	rVB4	63623634	144752367	35.44%	1.957%
78	13.883	1960	1965	1970	rBV2	15182228	22683417	5.55%	0.307%
79	13.957	1971	1977	1982	rBV	17483621	27014884	6.61%	0.365%
80	14.018	1982	1987	1989	rBV	33948786	53822483	13.18%	0.728%
81	14.048	1989	1992	1996	rVB2	31957727	46809600	11.46%	0.633%
82	14.103	1996	2001	2006	rBV2	51130043	78544194	19.23%	1.062%
83	14.213	2014	2019	2024	rVB2	34955585	59725001	14.62%	0.808%
84	14.292	2024	2032	2036	rBV5	7201507	16472477	4.03%	0.223%
85	14.347	2036	2041	2046	rBV3	11603966	19866648	4.86%	0.269%
86	14.426	2046	2054	2057	rVV	29637118	57434432	14.06%	0.777%
87	14.463	2057	2060	2064	rVV	35030278	50770312	12.43%	0.686%
88	14.505	2064	2067	2071	rVV	23485313	32945175	8.07%	0.445%
89	14.548	2071	2074	2080	rVB	13191666	18475032	4.52%	0.250%
90	14.646	2086	2090	2094	rVV	18175032	25555192	6.26%	0.346%
91	14.694	2094	2098	2102	rVV2	31542881	59481538	14.56%	0.804%
92	14.731	2102	2104	2110	rVB2	19501055	28997674	7.10%	0.392%
93	14.810	2110	2117	2122	rBV3	38955205	96774654	23.69%	1.309%
94	14.865	2122	2126	2132	rVB	11412857	19589943	4.80%	0.265%
95	15.072	2155	2160	2164	rBV2	20513412	35221672	8.62%	0.476%
96	15.188	2171	2179	2186	rVB3	21352668	51715511	12.66%	0.699%
97	15.475	2221	2226	2231	rBV	10095833	17521324	4.29%	0.237%
98	15.664	2249	2257	2264	rBV	12126687	24644605	6.03%	0.333%
99	15.828	2274	2284	2295	rBV5	5779949	22970401	5.62%	0.311%
100	16.450	2379	2386	2405	rVB	13111603	28944360	7.09%	0.391%

Sum of corrected areas: 7395774335

LSC Report - Integrated Chromatogram

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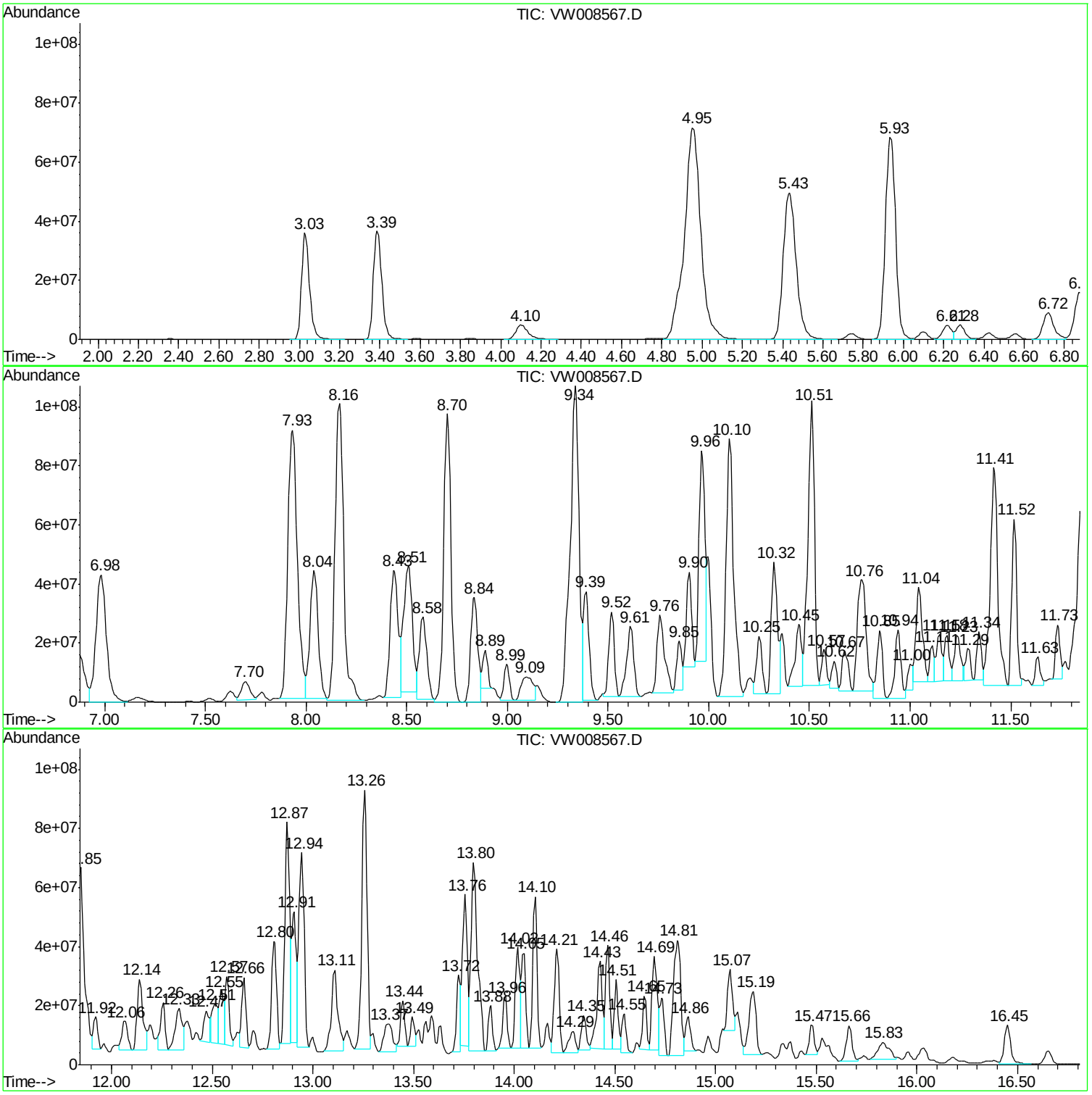
Instrument :
MSVOA_W
ClientSampleId :
SB-09(13-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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



Library Search Compound Report

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Quant Title : SW846 8260

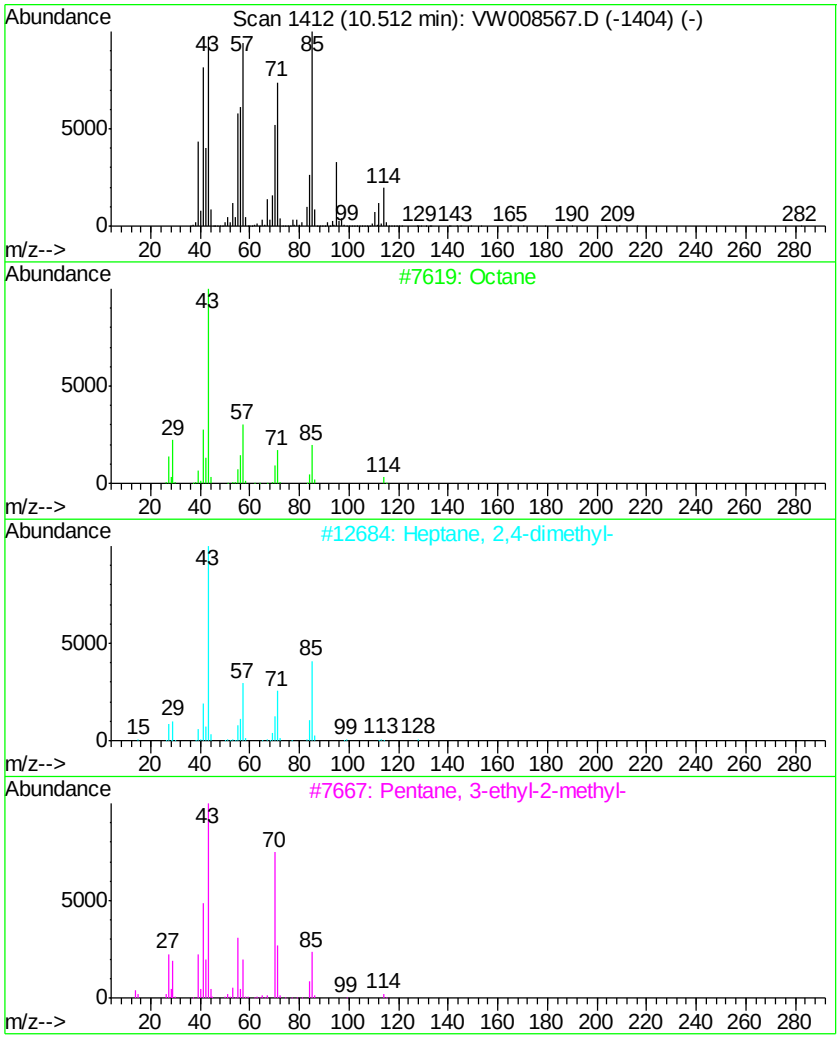
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

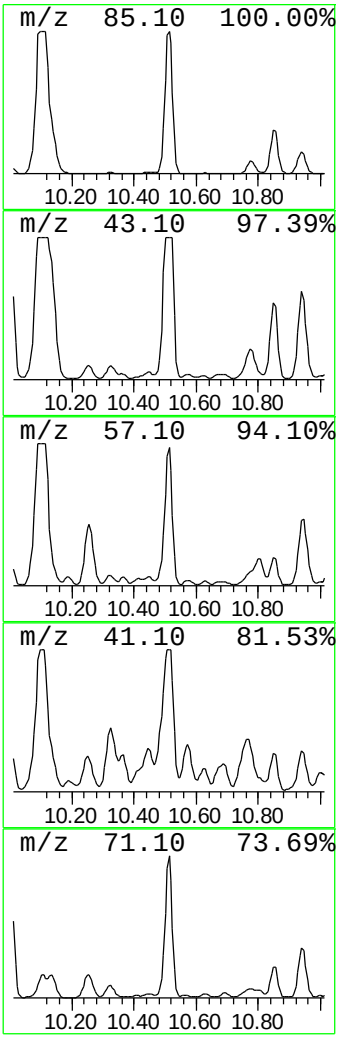
****

Peak Number 1 Octane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	660.77 ug/l	215101000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	80
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
3	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	52
4	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	49
5	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	47





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Instrument : MSVOA_W
ClientSampleId : SB-09(13-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

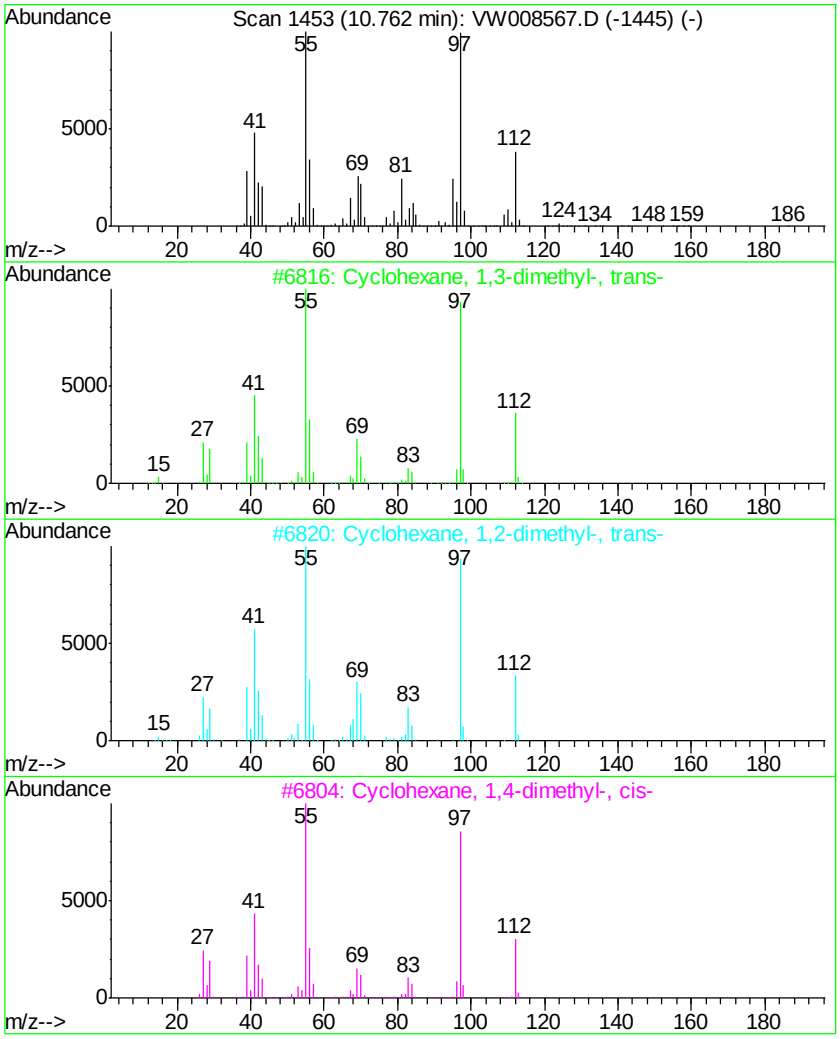
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

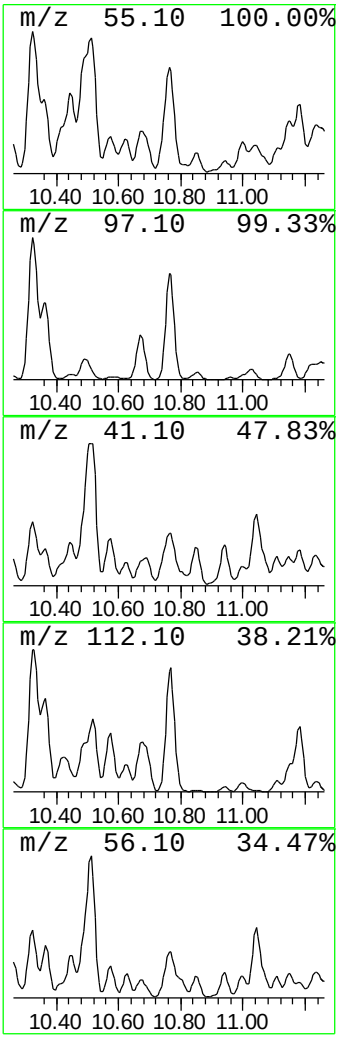
****

Peak Number 2 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	346.79 ug/l	112889000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	87
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87





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TIC Library : C:\DATABASE\NIST11.L
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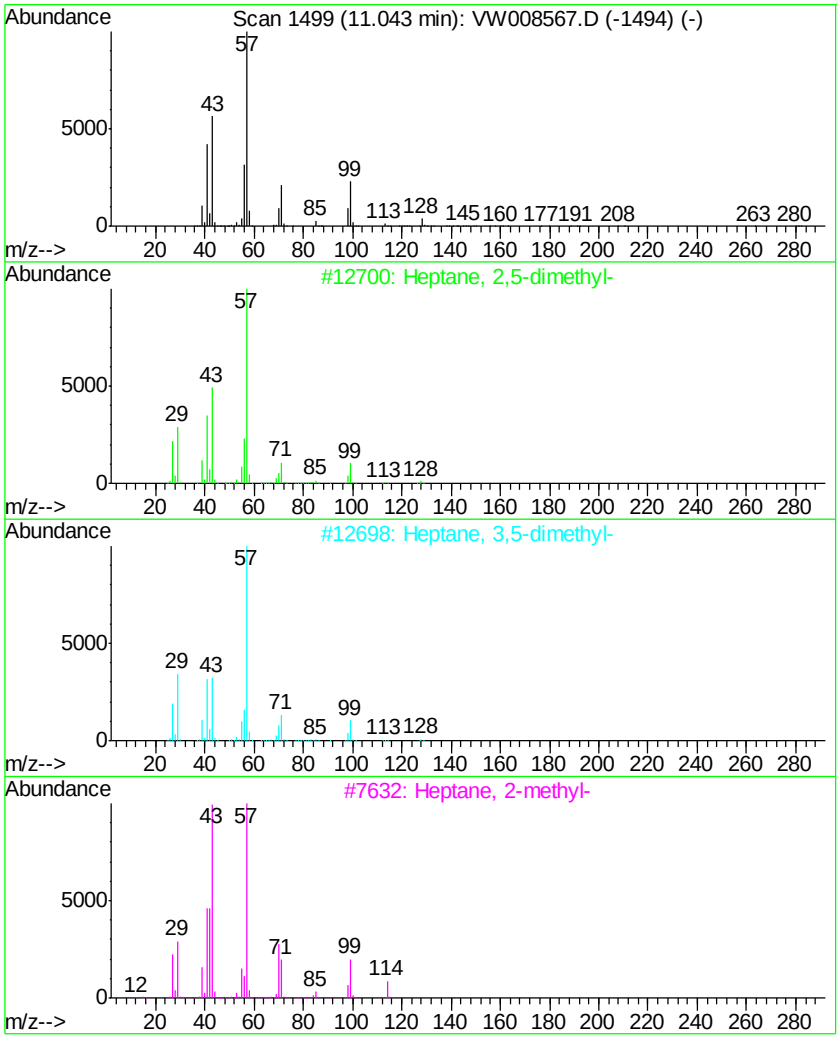
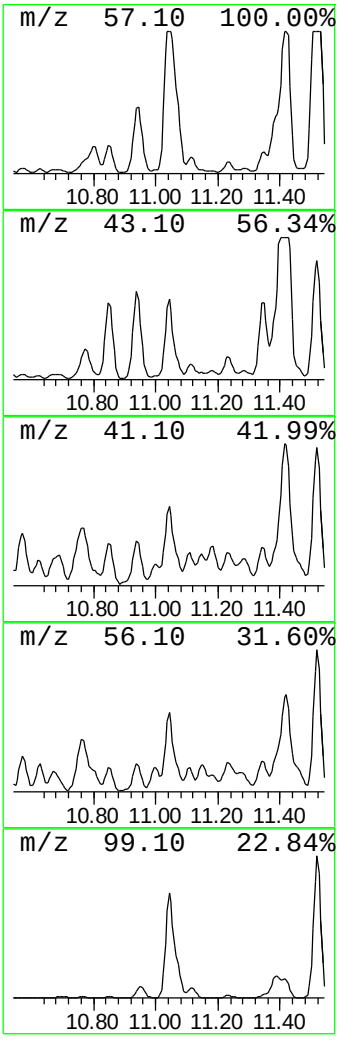
Peak Number 3 Heptane, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	217.98 ug/l	70959200	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	64
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	45
4	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	43
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	38





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Quant Title : SW846 8260

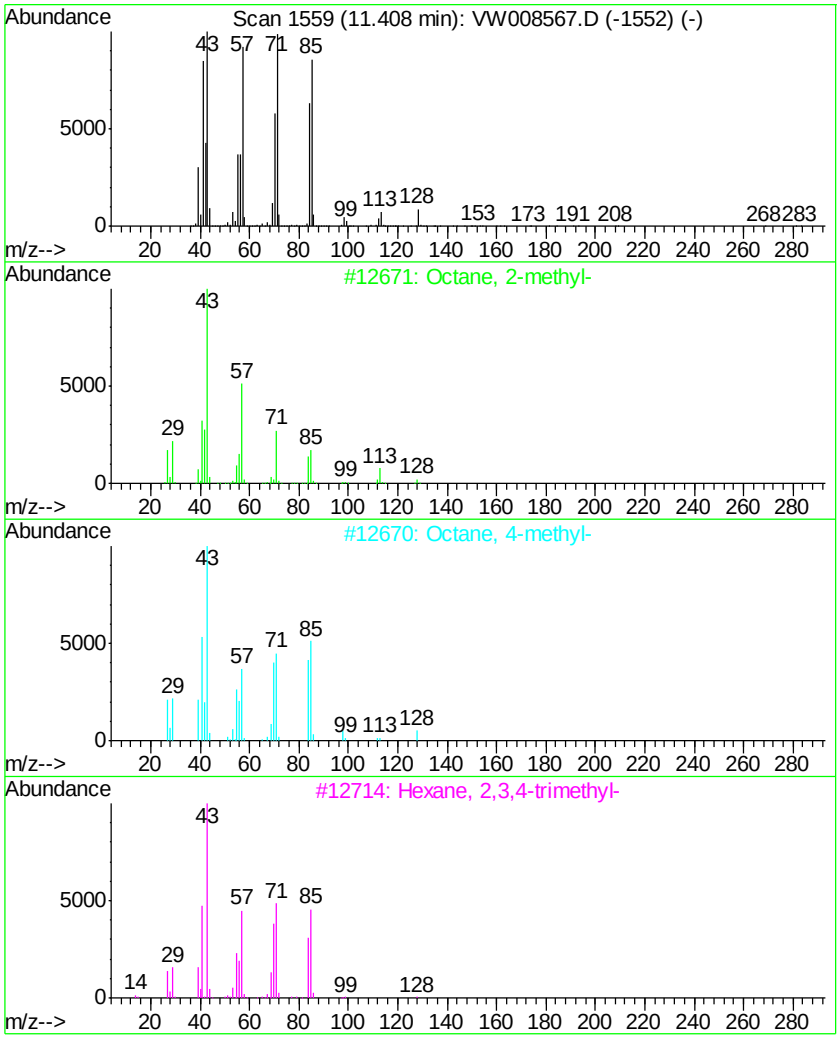
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

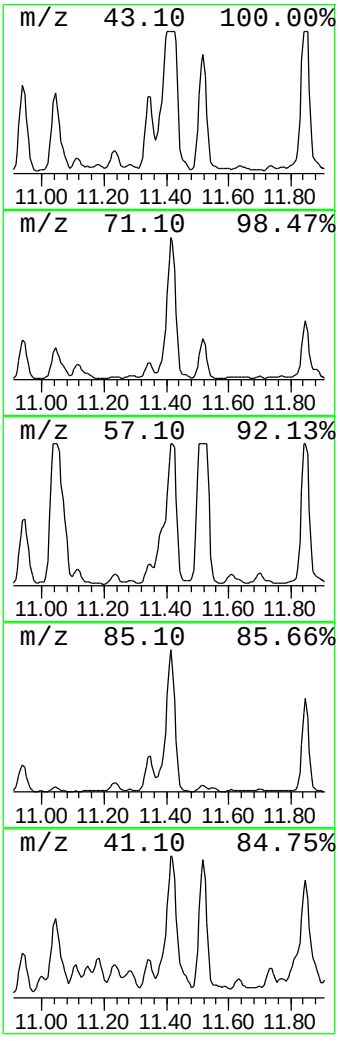
****

Peak Number 4 Octane, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	591.13 ug/l	192429000	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	72
2	Octane, 4-methyl-	128	C9H20	002216-34-4	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	47





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Quant Title : SW846 8260

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TIC Integration Parameters: LSCINT.P

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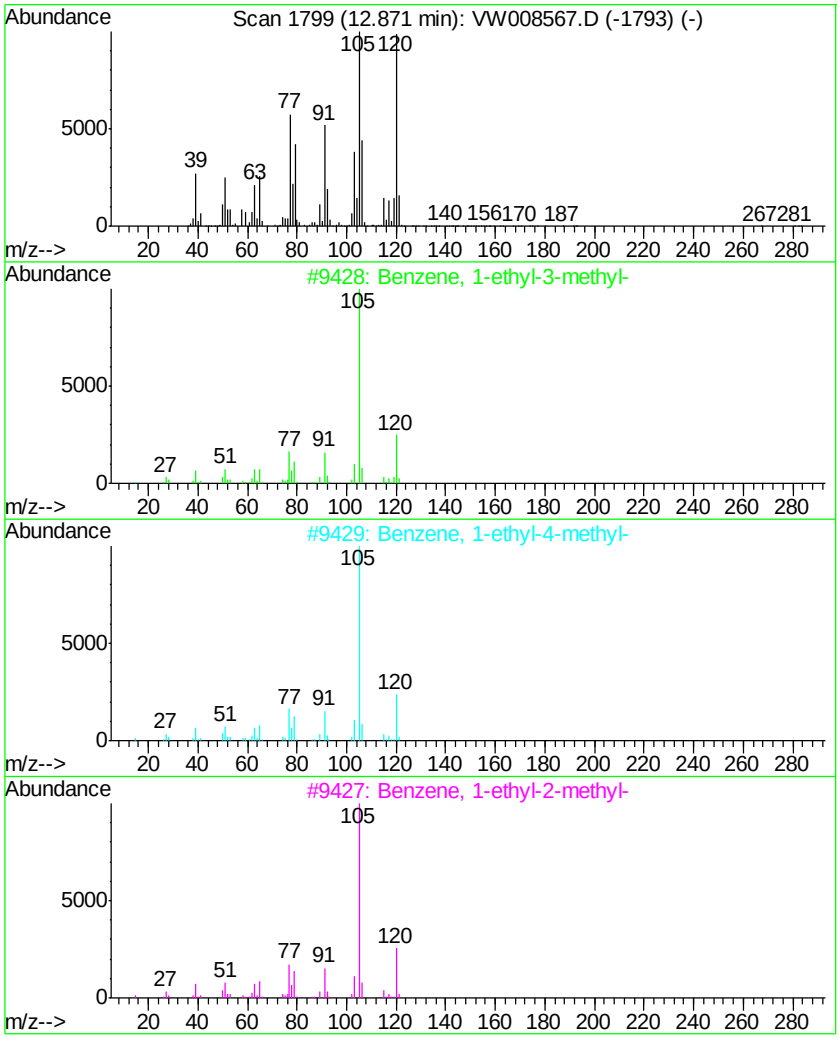
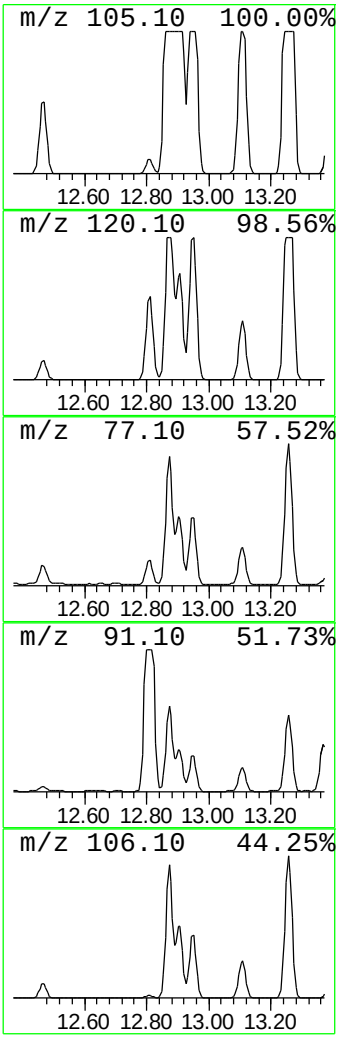
Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	451.60 ug/l	129886000	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	72
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008567.D
Acq On : 07 Feb 2019 21:44
Operator : SY/VA
Sample : K1409-04
Misc : 5.20G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-09(13-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

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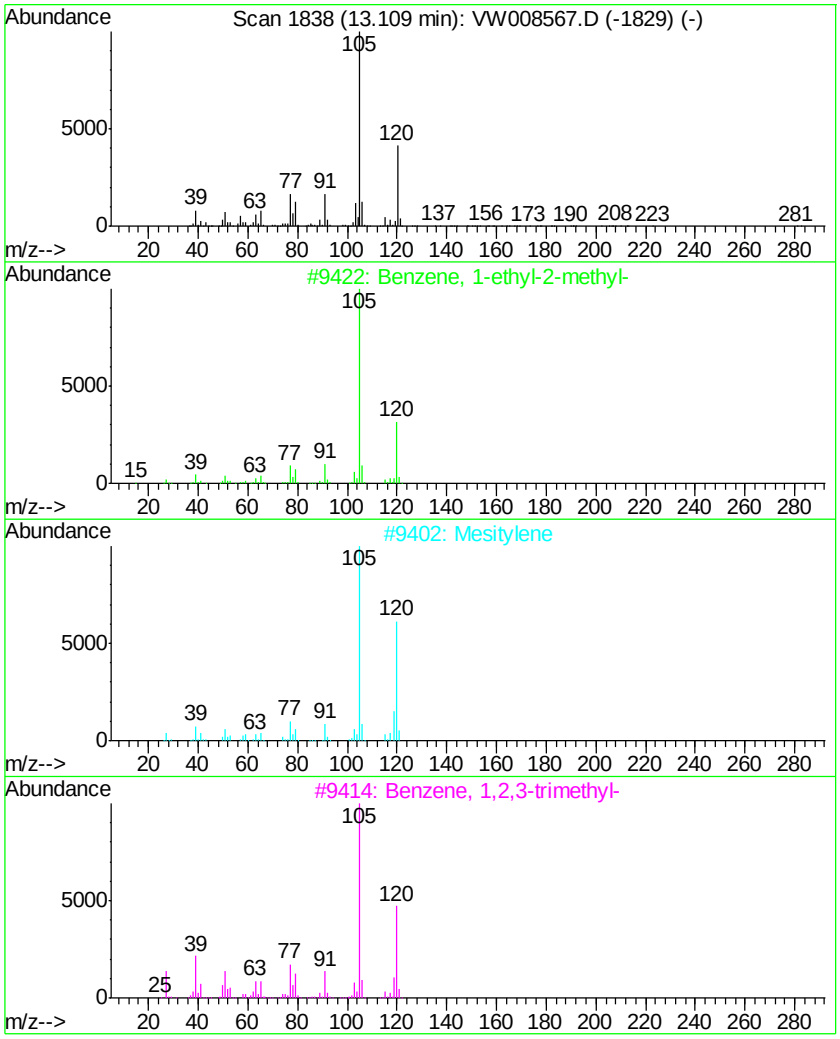
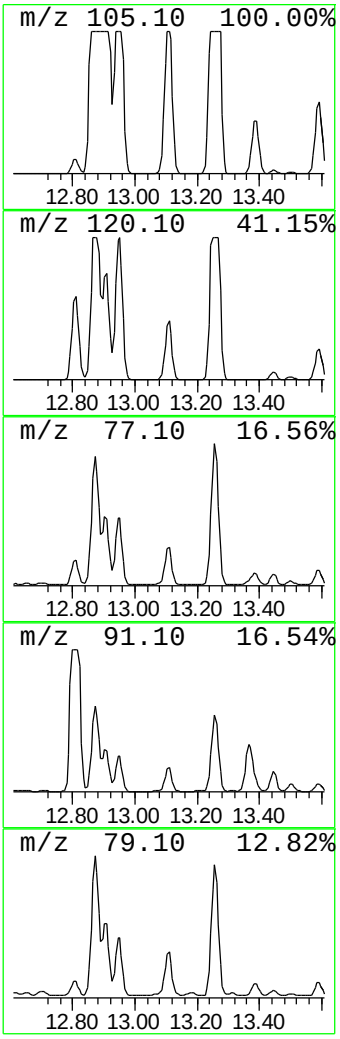
Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	223.47 ug/l	64271900	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020719\
Data File : VW008567.D
Acq On : 07 Feb 2019 21:44
Operator : SY/VA
Sample : K1409-04
Misc : 5.20G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-09(13-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

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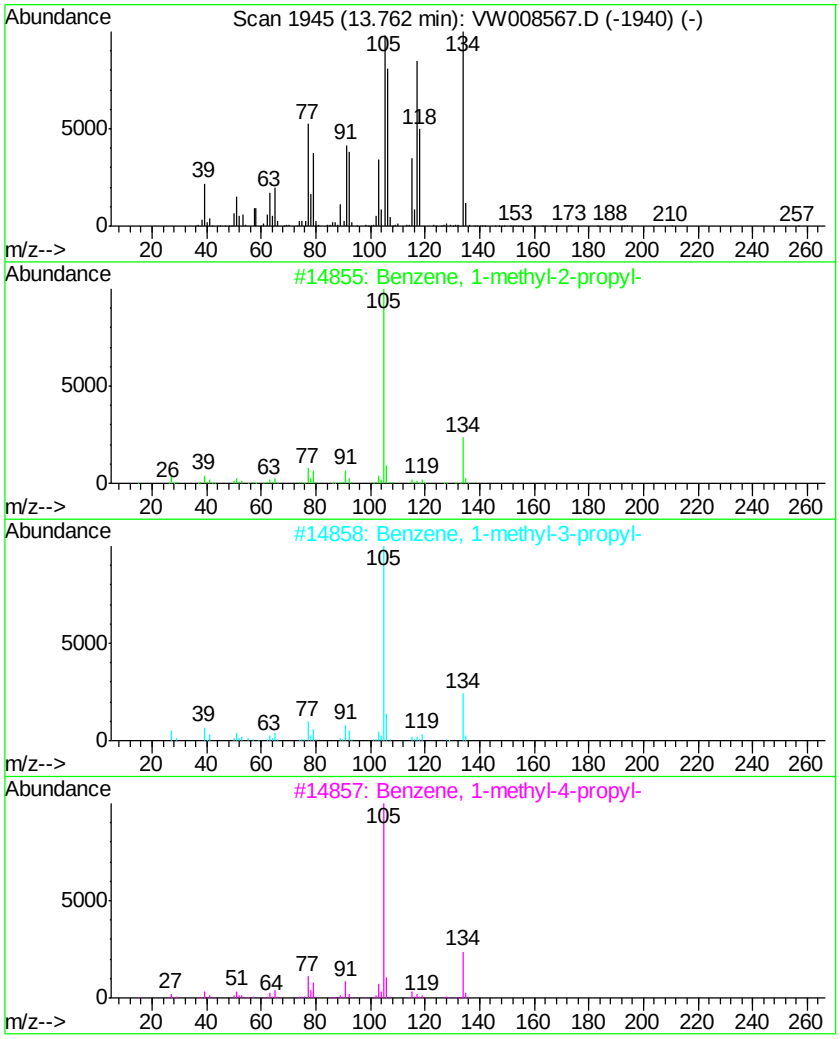
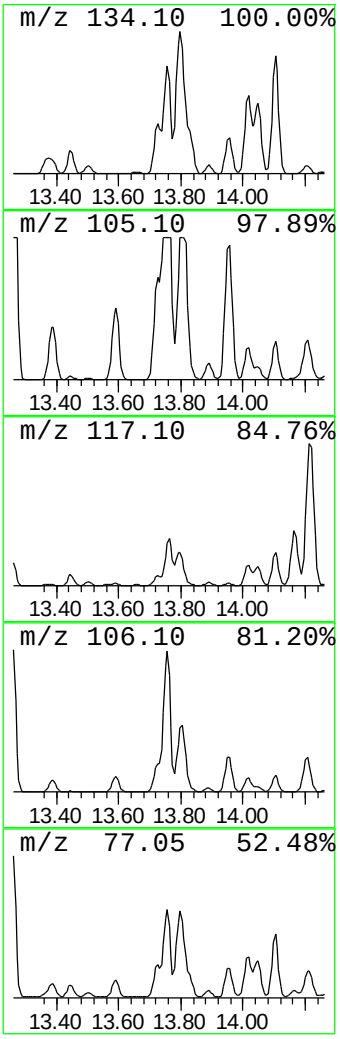
Peak Number 8 Benzene, 1-methyl-2-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	302.46 ug/l	86990500	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	64
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	58
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	52
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	47
5	2-Tolyloxirane	134	C9H10O	002783-26-8	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020719\
Data File : VW008567.D
Acq On : 07 Feb 2019 21:44
Operator : SY/VA
Sample : K1409-04
Misc : 5.20G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-09(13-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

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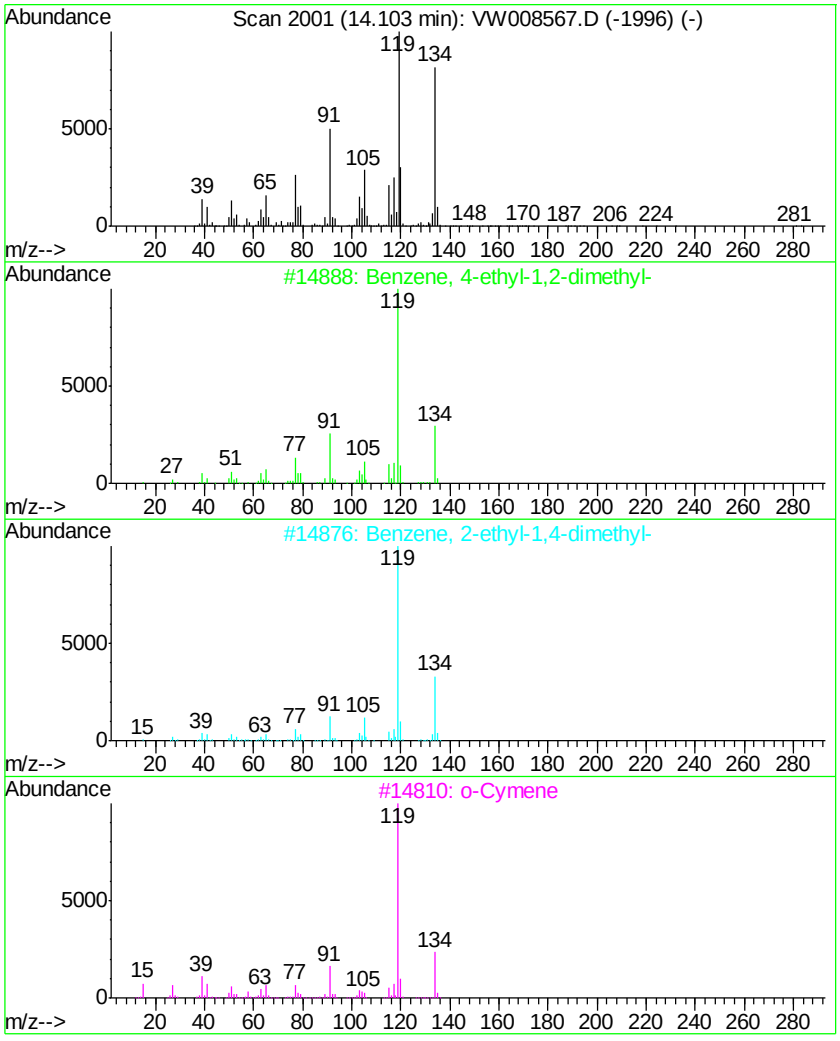
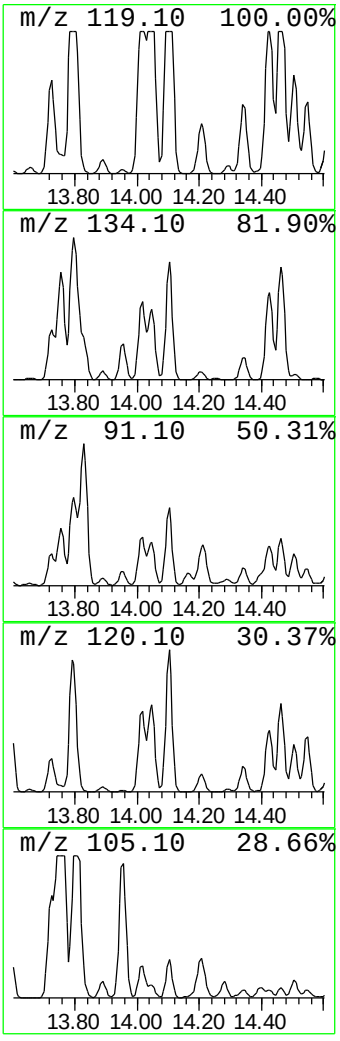
Peak Number 9 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	273.09 ug/l	78544200	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	83
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	81
3	o-Cymene	134	C10H14	000527-84-4	64
4	p-Cymene	134	C10H14	000099-87-6	64
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008567.D
Acq On : 07 Feb 2019 21:44
Operator : SY/VA
Sample : K1409-04
Misc : 5.20G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-09(13-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

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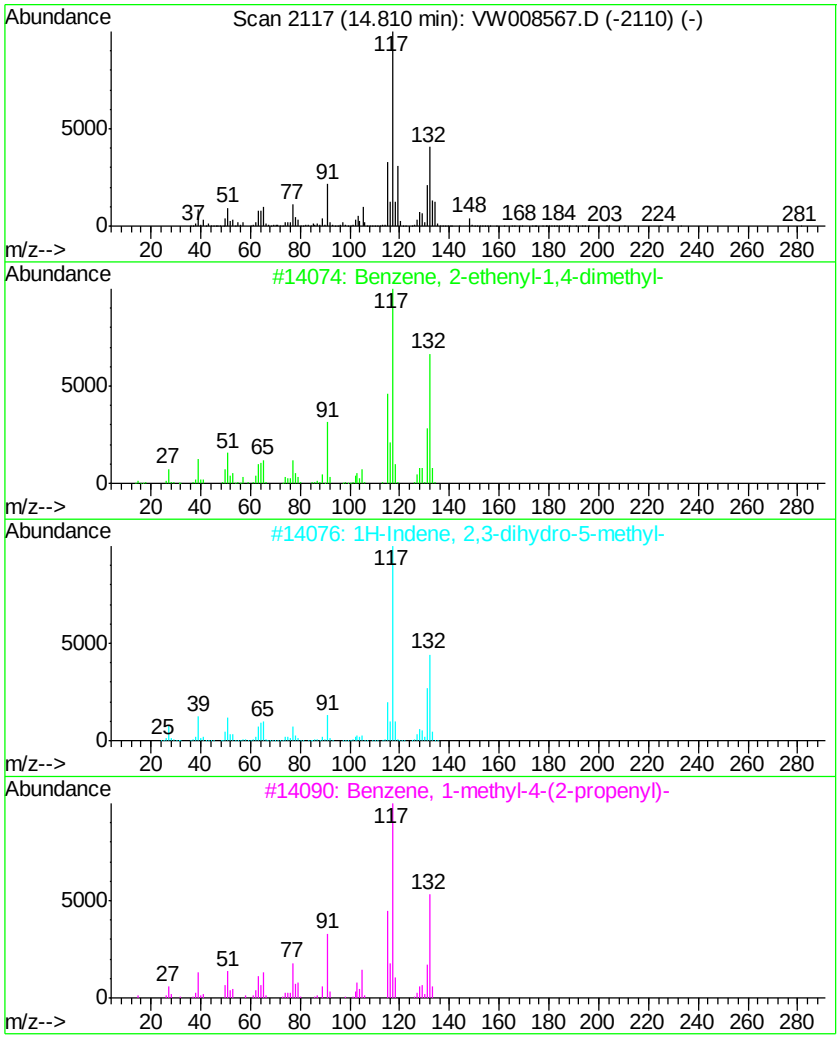
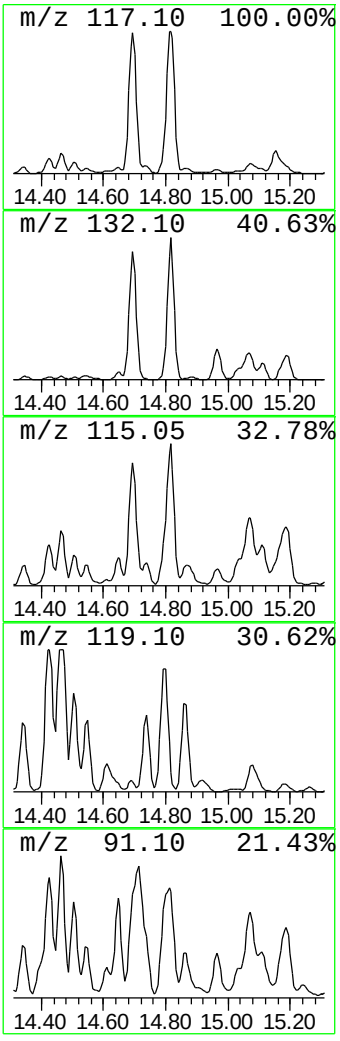
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	336.48 ug/l	96774700	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	90
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW020719\
Data File : VW008567.D
Acq On : 07 Feb 2019 21:44
Operator : SY/VA
Sample : K1409-04
Misc : 5.20G/5ML/MSVOA_W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : SB-09(13-16)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Octane	10.51	660.8	ug/l	215101000	3	11.63	16276400	50.0
Cyclohexane, 1,3-...	10.76	346.8	ug/l	112889000	3	11.63	16276400	50.0
Heptane, 2,5-dime...	11.04	218.0	ug/l	70959200	3	11.63	16276400	50.0
Octane, 2-methyl-	11.41	591.1	ug/l	192429000	3	11.63	16276400	50.0
Benzene, 1-ethyl-...	12.87	451.6	ug/l	129886000	4	13.56	14380500	50.0
Benzene, 1-ethyl-...	13.11	223.5	ug/l	64271900	4	13.56	14380500	50.0
Benzene, 1-methyl...	13.76	302.5	ug/l	86990500	4	13.56	14380500	50.0
Benzene, 4-ethyl-...	14.10	273.1	ug/l	78544200	4	13.56	14380500	50.0
Benzene, 2-etheny...	14.81	336.5	ug/l	96774700	4	13.56	14380500	50.0