LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\
Data File : VF062063.D
Acq On : 21 Mar 2019 16:26
Operator : VA/AP
Sample : K1994-05
Misc : 4.63g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 40021

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_F\METHODS\82F031619S.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	4.129	349	355	363	rBV2	140437	424745	4.37%	0.275%
2	4.868	423	430	444	rBV2	226010	810519	8.34%	0.525%
3	5.608	498	505	515	rBV	285782	772459	7.95%	0.500%
4	7.560	698	703	710	rBV	292208	678293	6.98%	0.439%
5	9.118	857	861	868	rVB2	51571	137513	1.42%	0.089%
6	9.296	873	879	884	rVB	50206	131361	1.35%	0.085%
7	9.779	924	928	933	rBV	317542	699428	7.20%	0.453%
8	9.897	936	940	947	rVB2	205815	422648	4.35%	0.274%
9	10.232	968	974	979	rBV2	68329	199816	2.06%	0.129%
10	10.528	997	1004	1007	rBV6	56408	201282	2.07%	0.130%
11	10.676	1015	1019	1022	rBV2	289982	621691	6.40%	0.402%
12	11.051	1051	1057	1060	rBV3	100723	284932	2.93%	0.184%
13	11.130	1060	1065	1067	rVV2	261321	642809	6.62%	0.416%
14	11.159	1067	1068	1073	rVV	222396	338792	3.49%	0.219%
15	11.278	1073	1080	1084	rVB2	351929	796251	8.20%	0.516%
16	11.416	1089	1094	1099	rBV4	229257	597136	6.15%	0.387%
17	11.495	1099	1102	1105	rVB2	78233	150163	1.55%	0.097%
18	11.564	1105	1109	1111	rBV	365587	645752	6.65%	0.418%
19	11.603	1111	1113	1116	rBV2	85058	152182	1.57%	0.099%
20	11.662	1116	1119	1122	rVB	1257045	1756436	18.08%	1.137%
21	11.721	1122	1125	1129	rVB	515936	1010002	10.40%	0.654%
22	11.781	1129	1131	1133	rVB	114722	150667	1.55%	0.098%
23	11.830	1133	1136	1139	rVB2	499115	761195	7.84%	0.493%
24	11.889	1139	1142	1145	rBV	127018	263079	2.71%	0.170%
25	11.958	1145	1149	1151	rBV3	165241	345700	3.56%	0.224%
26	11.997	1151	1153	1159	rVB2	737330	1621154	16.69%	1.050%
27	12.076	1159	1161	1166	rVB3	116807	290752	2.99%	0.188%
28	12.155	1166	1169	1171	rBV2	243227	462804	4.76%	0.300%
29	12.214	1171	1175	1178	rVB	1285482	2211900	22.77%	1.432%
30	12.303	1178	1184	1186	rBV3	193434	448620	4.62%	0.290%
31	12.392	1189	1193	1195	rBV	546128	1043724	10.75%	0.676%
32	12.431	1195	1197	1199	rBV2	536878	722411	7.44%	0.468%
33	12.461	1199	1200	1206	rVB3	688966	1027240	10.58%	0.665%
34	12.540	1206	1208	1211	rBV2	503614	841559	8.66%	0.545%

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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 40021

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_F\METHODS\82F031619S.M
Title : SW846 8260

35	12.609	1211	1215	1220	rBV2	1207068	2129312	21.92%	1.379%
36	12.727	1224	1227	1230	rBV2	730163	1556812	16.03%	1.008%
37	12.776	1230	1232	1234	rBV	1000189	1471650	15.15%	0.953%
38	12.826	1234	1237	1243	rVB3	3063629	6624113	68.19%	4.289%
39	12.944	1246	1249	1250	rBV2	420954	735284	7.57%	0.476%
40	12.974	1250	1252	1254	rVB2	197683	263091	2.71%	0.170%
41	13.013	1254	1256	1260	rVB2	968944	1584143	16.31%	1.026%
42	13.102	1260	1265	1269	rBV3	1344428	4118130	42.40%	2.666%
43	13.161	1269	1271	1273	rBV	1368289	1830114	18.84%	1.185%
44	13.210	1273	1276	1277	rVV2	467362	690815	7.11%	0.447%
45	13.260	1279	1281	1283	rVB	929731	1180778	12.16%	0.764%
46	13.299	1283	1285	1288	rBV3	611716	1223893	12.60%	0.792%
47	13.348	1288	1290	1292	rBV3	567709	767112	7.90%	0.497%
48	13.388	1292	1294	1296	rVB2	971925	1239648	12.76%	0.803%
49	13.427	1296	1298	1303	rBV2	1196602	1753366	18.05%	1.135%
50	13.496	1303	1305	1308	rBV2	1323270	1929096	19.86%	1.249%
51	13.546	1308	1310	1312	rBV	1601470	2299415	23.67%	1.489%
52	13.585	1312	1314	1316	rVB2	805081	1078647	11.10%	0.698%
53	13.625	1316	1318	1319	rBV	413716	446706	4.60%	0.289%
54	13.713	1324	1327	1331	rBV2	5754403	9713551	100.00%	6.289%
55	13.763	1331	1332	1336	rVB2	749874	1180344	12.15%	0.764%
56	13.822	1336	1338	1339	rBV	924285	1189737	12.25%	0.770%
57	13.861	1339	1342	1346	rVB3	4361914	7591179	78.15%	4.915%
58	13.920	1346	1348	1351	rVB2	1424456	2455076	25.27%	1.589%
59	13.980	1351	1354	1357	rBV2	2632645	3822993	39.36%	2.475%
60	14.088	1359	1365	1368	rBV	1774620	3989142	41.07%	2.583%
61	14.157	1368	1372	1376	rBV5	2618602	7114738	73.25%	4.606%
62	14.226	1376	1379	1382	rVB2	2130128	3182715	32.77%	2.061%
63	14.275	1382	1384	1386	rVB	456841	414396	4.27%	0.268%
64	14.315	1386	1388	1390	rVB	1112736	1421954	14.64%	0.921%
65	14.364	1390	1393	1395	rBV3	414244	566873	5.84%	0.367%
66	14.413	1395	1398	1401	rBV3	1410375	2866985	29.52%	1.856%
67	14.463	1401	1403	1406	rBV	4268538	6583740	67.78%	4.262%
68	14.571	1411	1414	1415	rVV3	842788	1132430	11.66%	0.733%
69	14.601	1415	1417	1421	rVB2	1665924	2516379	25.91%	1.629%
70	14.749	1429	1432	1435	rVB	4460236	6459466	66.50%	4.182%
71	14.837	1438	1441	1442	rVV2	778984	1314372	13.53%	0.851%

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Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Title : SW846 8260

72	14.877	1442	1445	1451	rVV5	1632925	5225295	53.79%	3.383%
73	14.956	1451	1453	1455	rVB3	709884	984682	10.14%	0.637%
74	15.005	1455	1458	1466	rBV3	2784913	6298741	64.84%	4.078%
75	15.123	1466	1470	1473	rBV2	5021661	8306243	85.51%	5.378%
76	15.173	1473	1475	1478	rVV2	1326916	2173753	22.38%	1.407%
77	15.252	1481	1483	1484	rVV	358751	485185	4.99%	0.314%
78	15.291	1484	1487	1489	rVV2	887545	1464576	15.08%	0.948%
79	15.340	1489	1492	1497	rVV3	1073741	2785720	28.68%	1.804%
80	15.409	1497	1499	1502	rVB	400189	561699	5.78%	0.364%
81	15.567	1514	1515	1517	rVB	278113	328690	3.38%	0.213%
82	15.646	1521	1523	1528	rVB	1336899	2655673	27.34%	1.719%
83	15.725	1528	1531	1535	rVB2	430471	805430	8.29%	0.521%
84	15.794	1535	1538	1540	rBV	725549	1159460	11.94%	0.751%
85	15.833	1540	1542	1545	rVB3	367990	548740	5.65%	0.355%
86	15.942	1550	1553	1555	rBV3	343570	662919	6.82%	0.429%
87	15.991	1555	1558	1568	rVB5	506512	1910237	19.67%	1.237%

Sum of corrected areas: 154460253

LSC Report - Integrated Chromatogram

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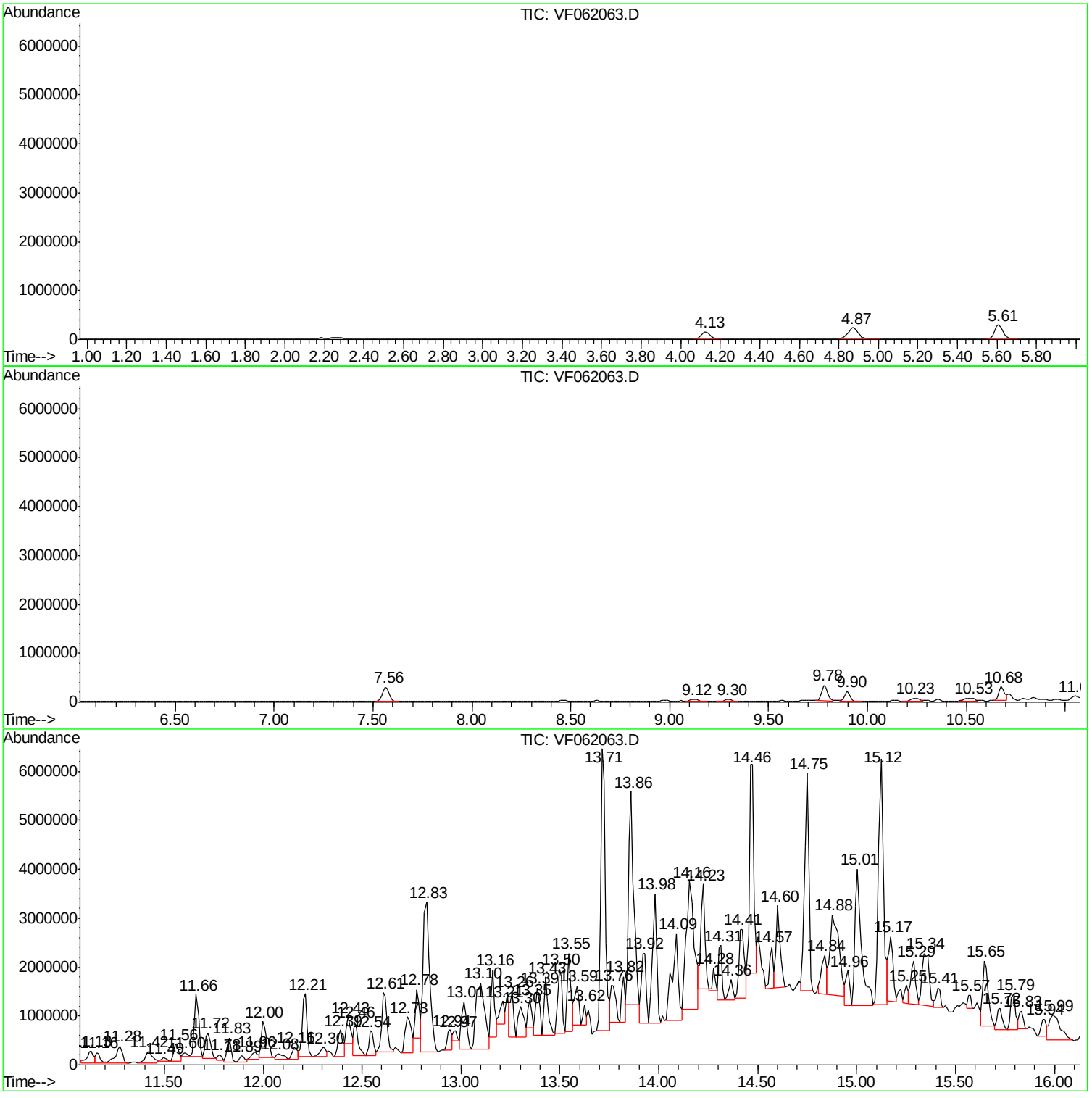
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 40021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\
Data File : VF062063.D
Acq On : 21 Mar 2019 16:26
Operator : VA/AP
Sample : K1994-05
Misc : 4.63g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 40021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260

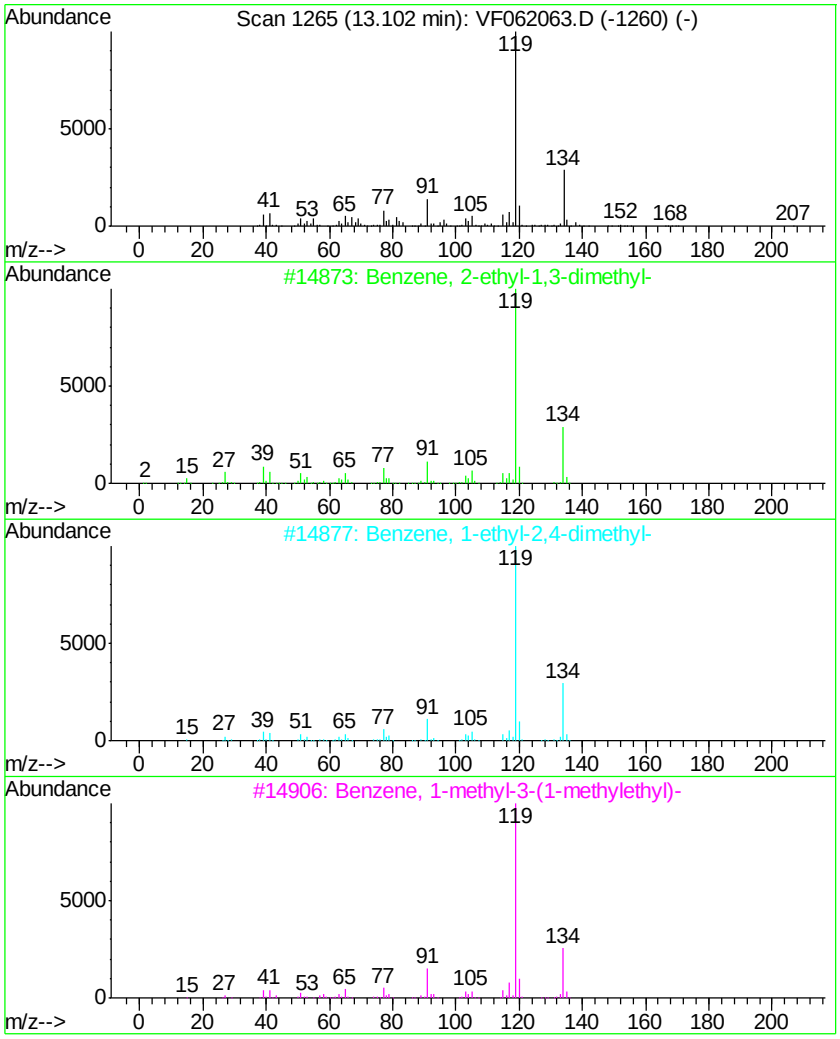
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

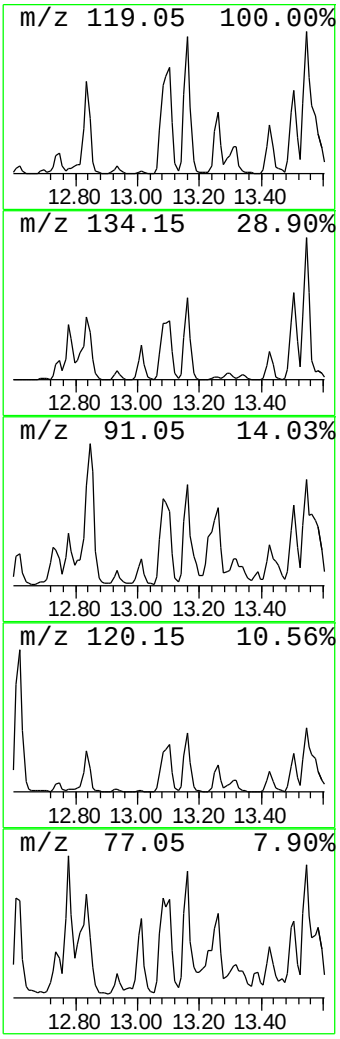
****

Peak Number 1 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	244.67 ug/l	4118130	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	p-Cymene	134	C10H14	000099-87-6	91





Library Search Compound Report

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Operator : VA/AP
Sample : K1994-05
Misc : 4.63g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 40021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260

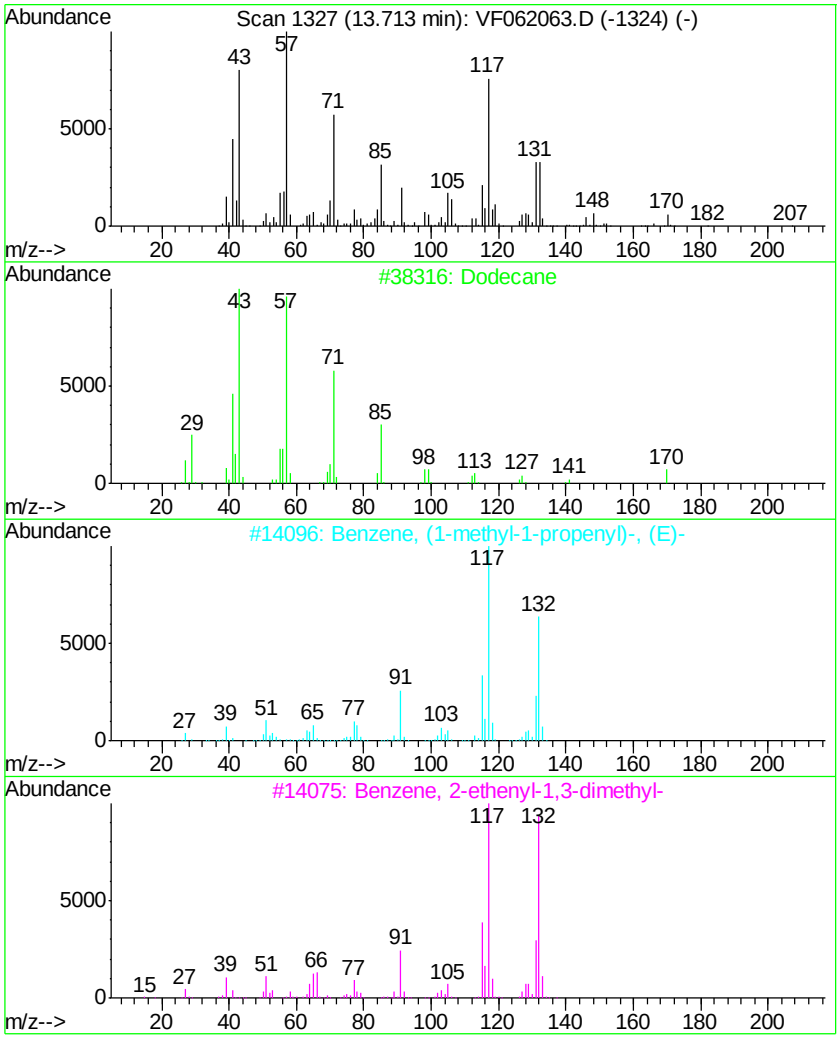
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

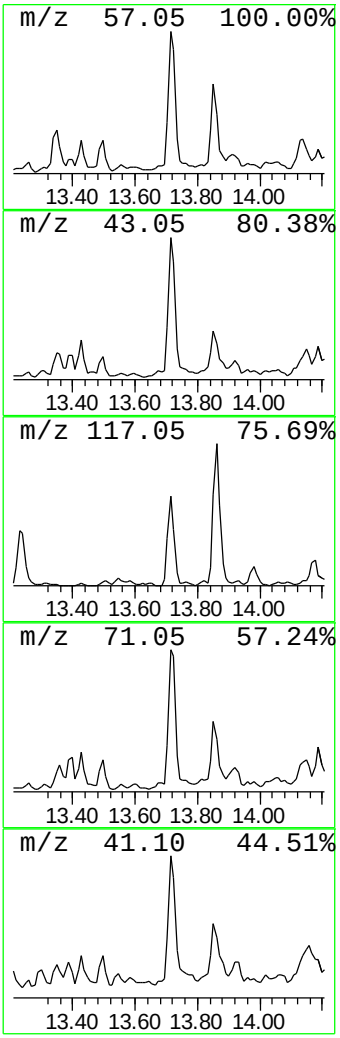
****

Peak Number 2 Dodecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	577.12 ug/l	9713550	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	92
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	50
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	50
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50





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Quant Title : SW846 8260

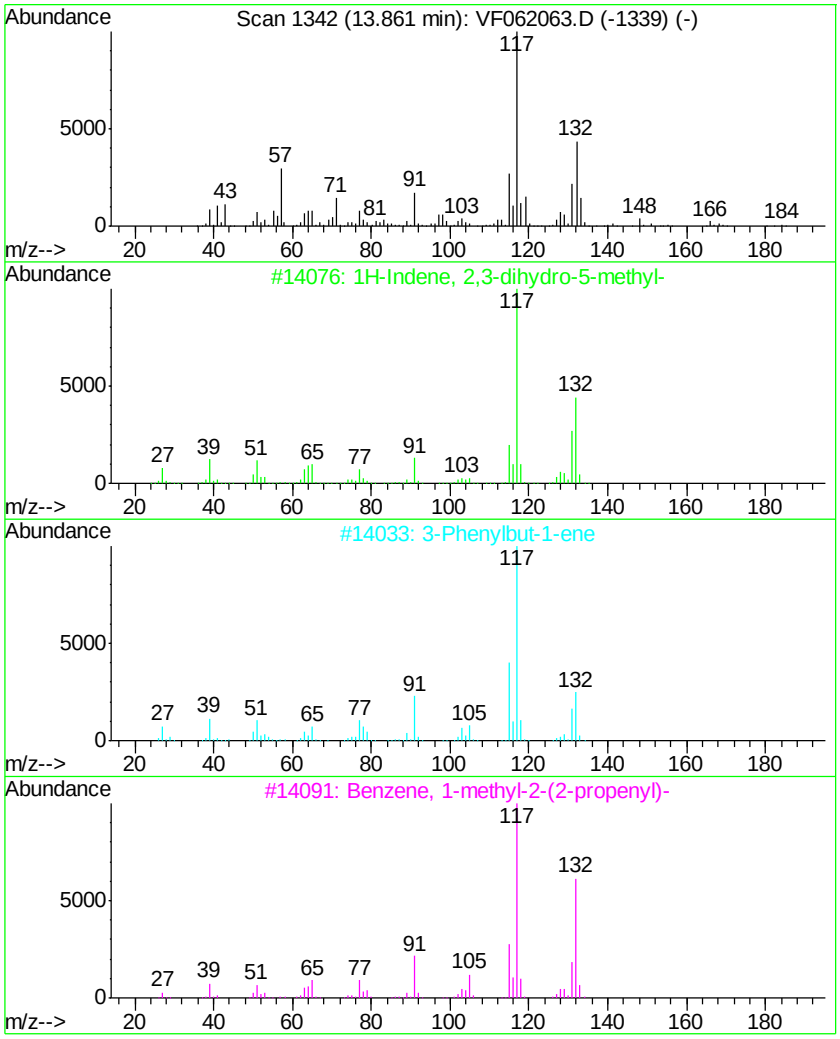
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

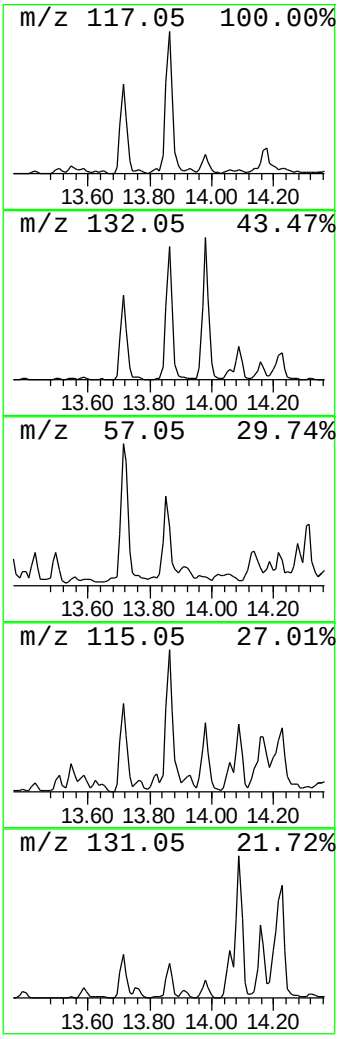
****

Peak Number 3 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	451.02 ug/l	7591180	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260

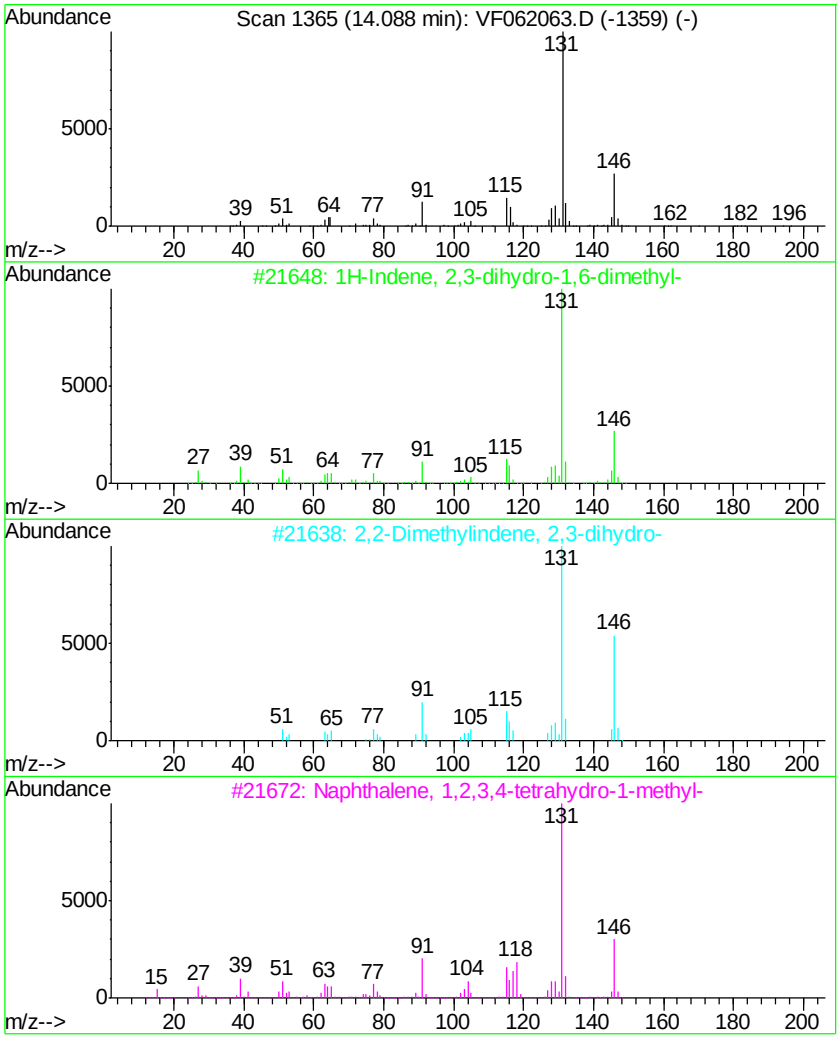
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

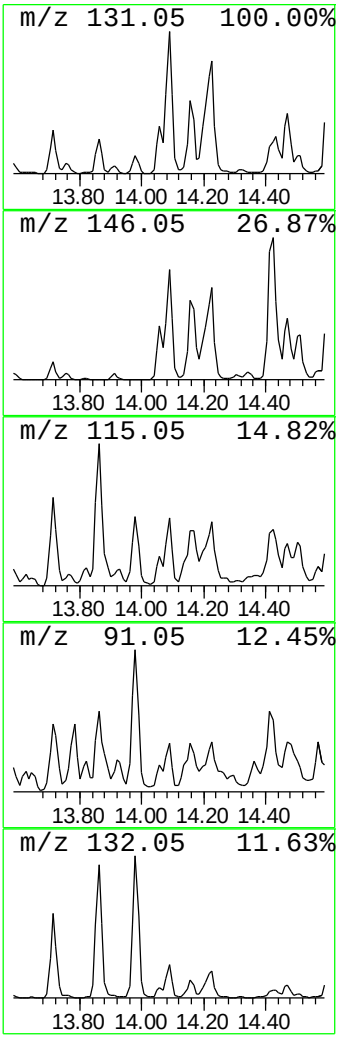
****

Peak Number 4 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	237.01 ug/l	3989140	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91





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Instrument : MSVOA_F
ClientSampleId : 40021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260

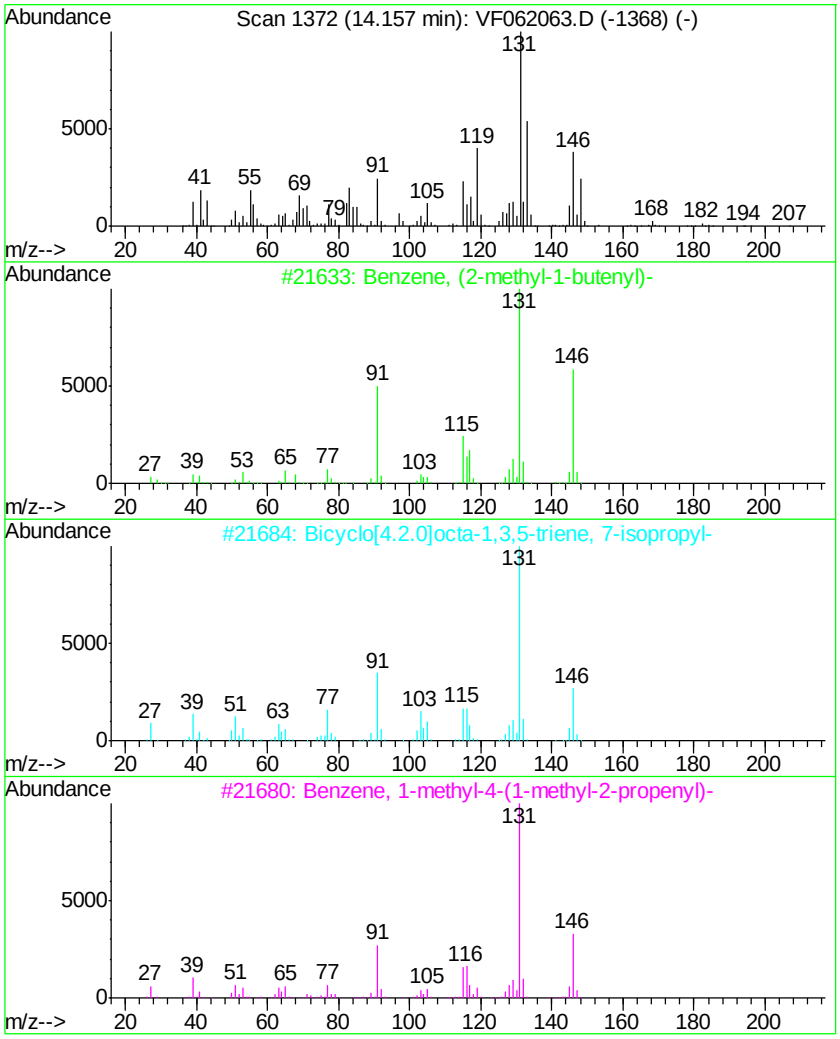
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

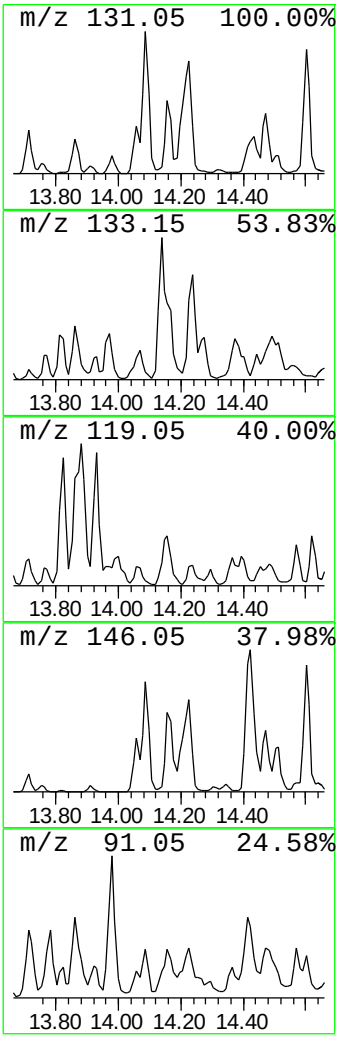
****

Peak Number 5 Benzene, (2-methyl-1-butenyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	422.71 ug/l	7114740	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	60
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	60
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	60
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55





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Instrument : MSVOA_F
ClientSampleId : 40021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260

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

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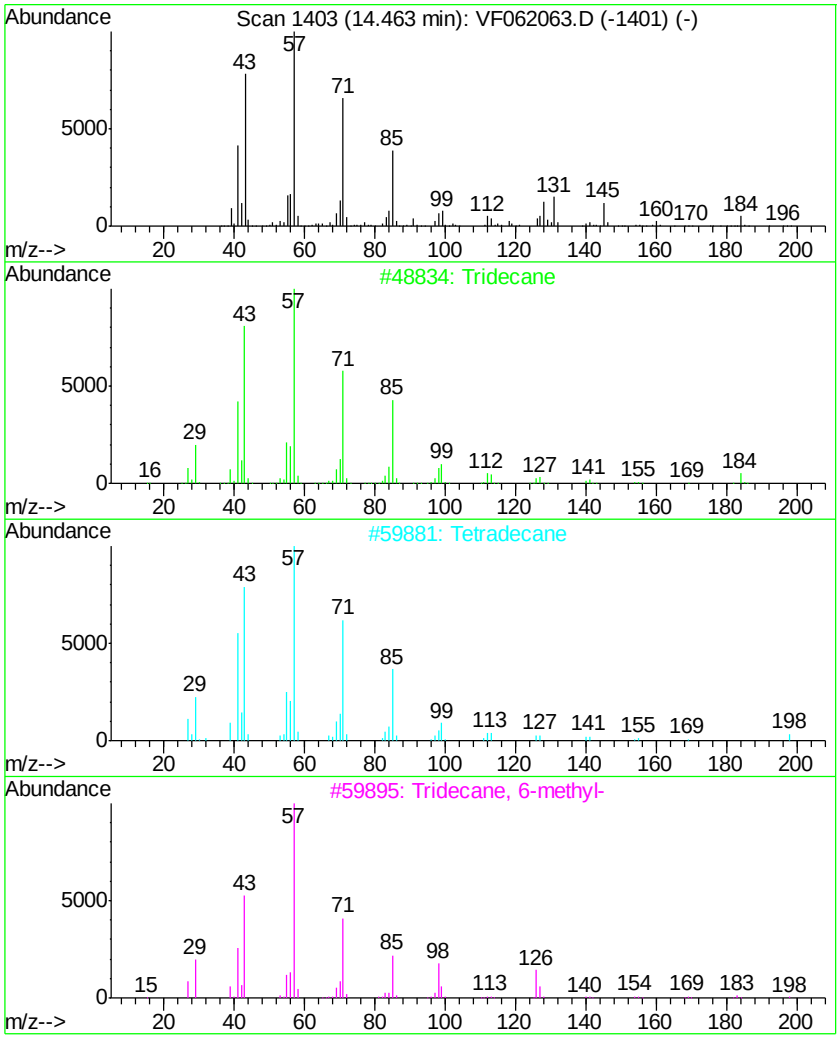
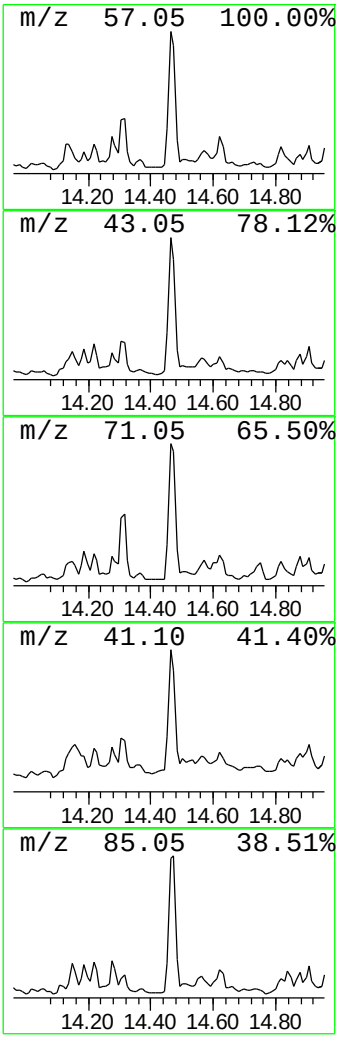
Peak Number 6 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	391.16 ug/l	6583740	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	97
2	Tetradecane	198	C14H30	000629-59-4	83
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	62
4	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	58
5	Dodecane	170	C12H26	000112-40-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\
Data File : VF062063.D
Acq On : 21 Mar 2019 16:26
Operator : VA/AP
Sample : K1994-05
Misc : 4.63g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 40021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260

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

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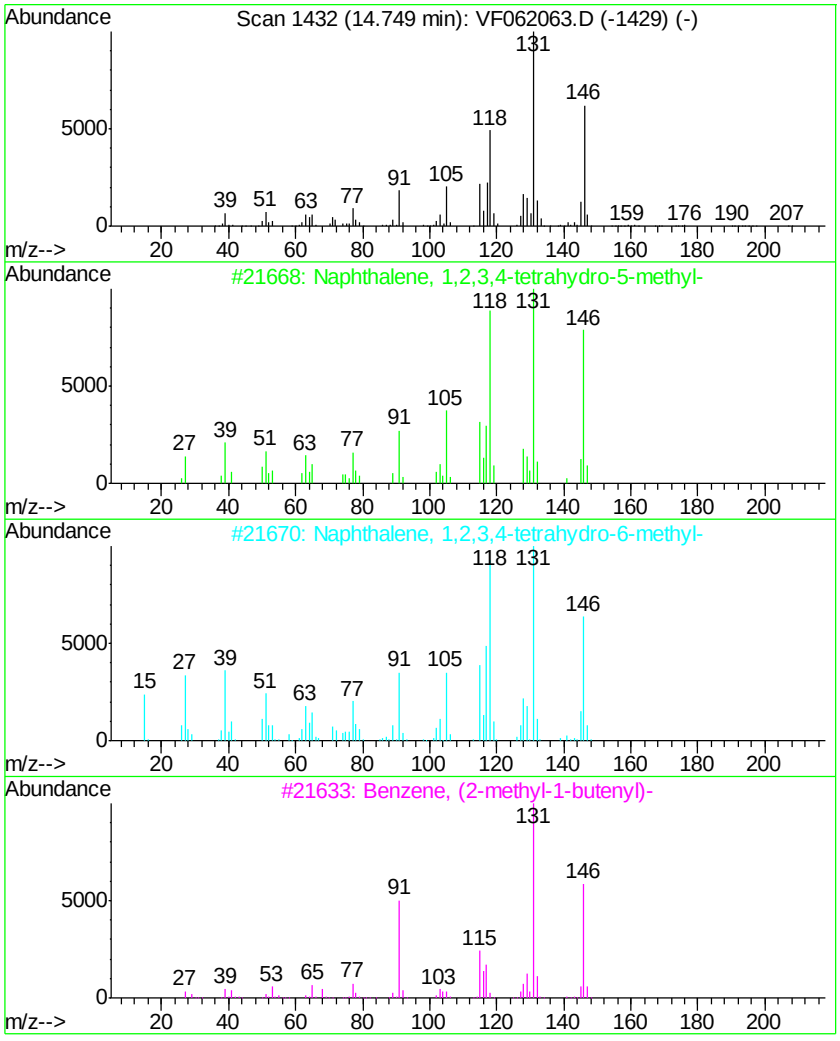
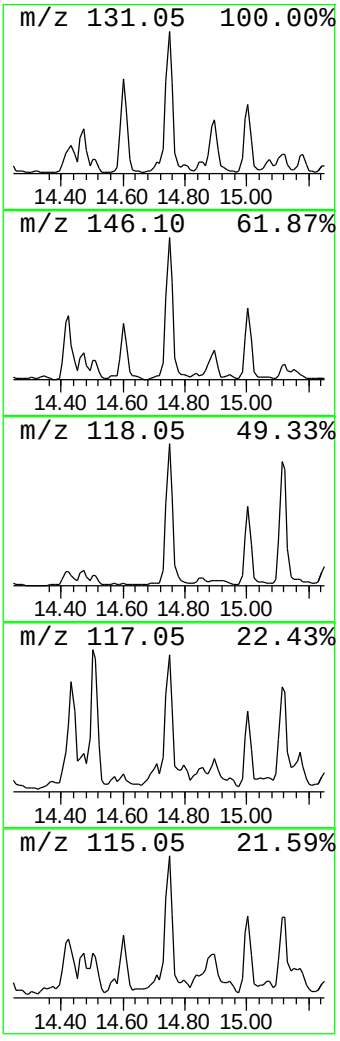
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	383.78 ug/l	6459470	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
4	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	68
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64





Library Search Compound Report

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Data File : VF062063.D
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Operator : VA/AP
Sample : K1994-05
Misc : 4.63g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 40021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260

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

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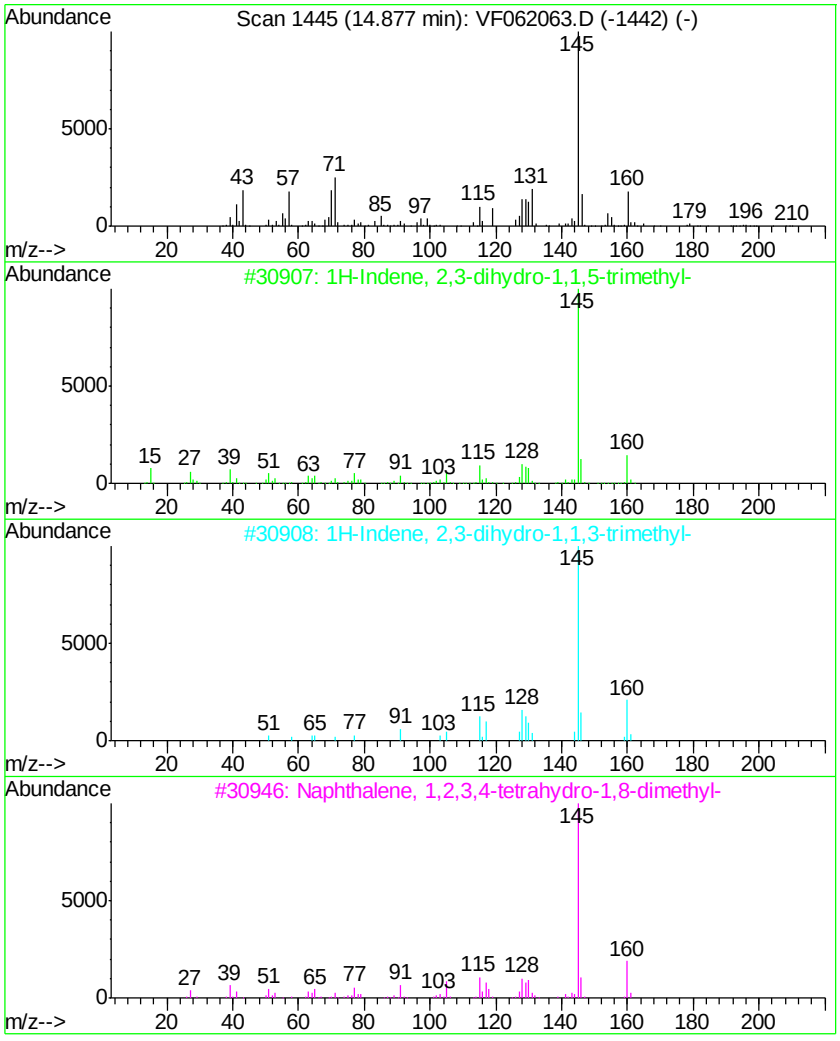
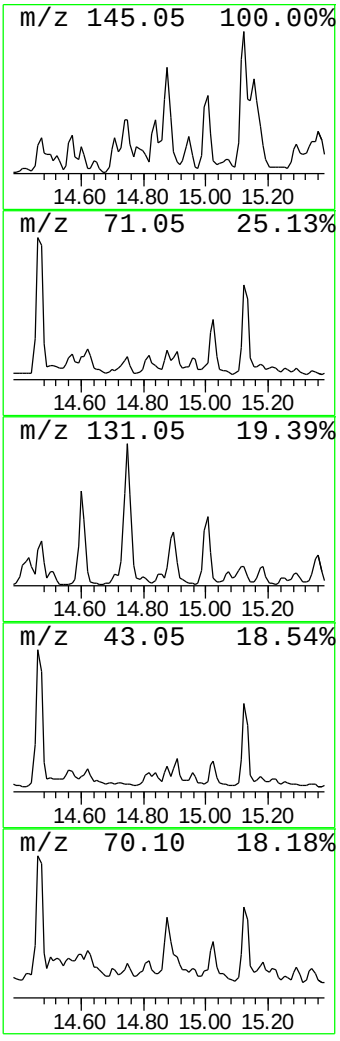
Peak Number 8 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	310.45 ug/l	5225300	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	70
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	70
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	70
4	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16	014276-95-0	64
5	1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	64





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Operator : VA/AP
Sample : K1994-05
Misc : 4.63g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 40021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260

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

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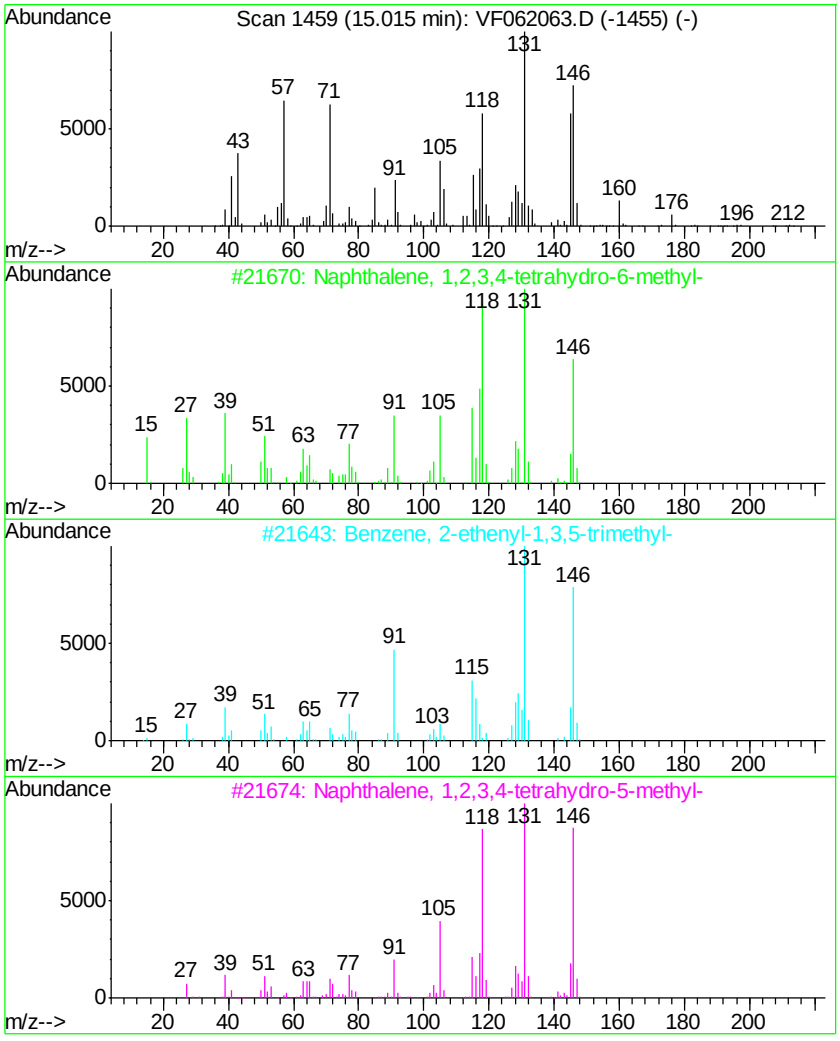
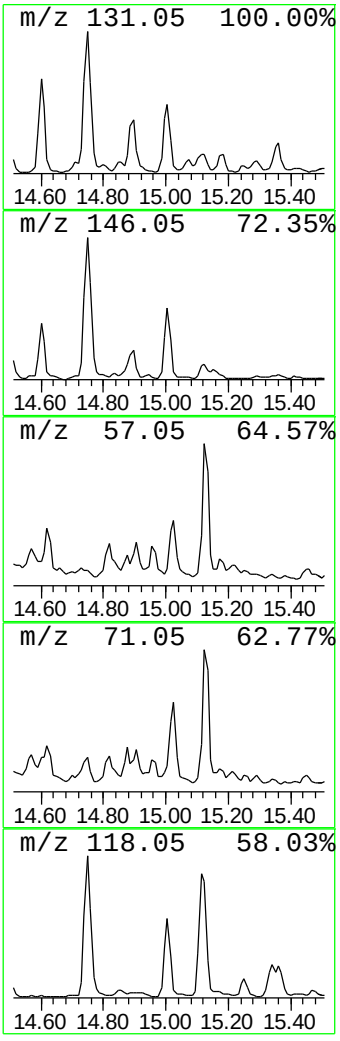
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	374.23 ug/l	6298740	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	81
4	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	76
5	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	64





Library Search Compound Report

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Sample : K1994-05
Misc : 4.63g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : 40021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260

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

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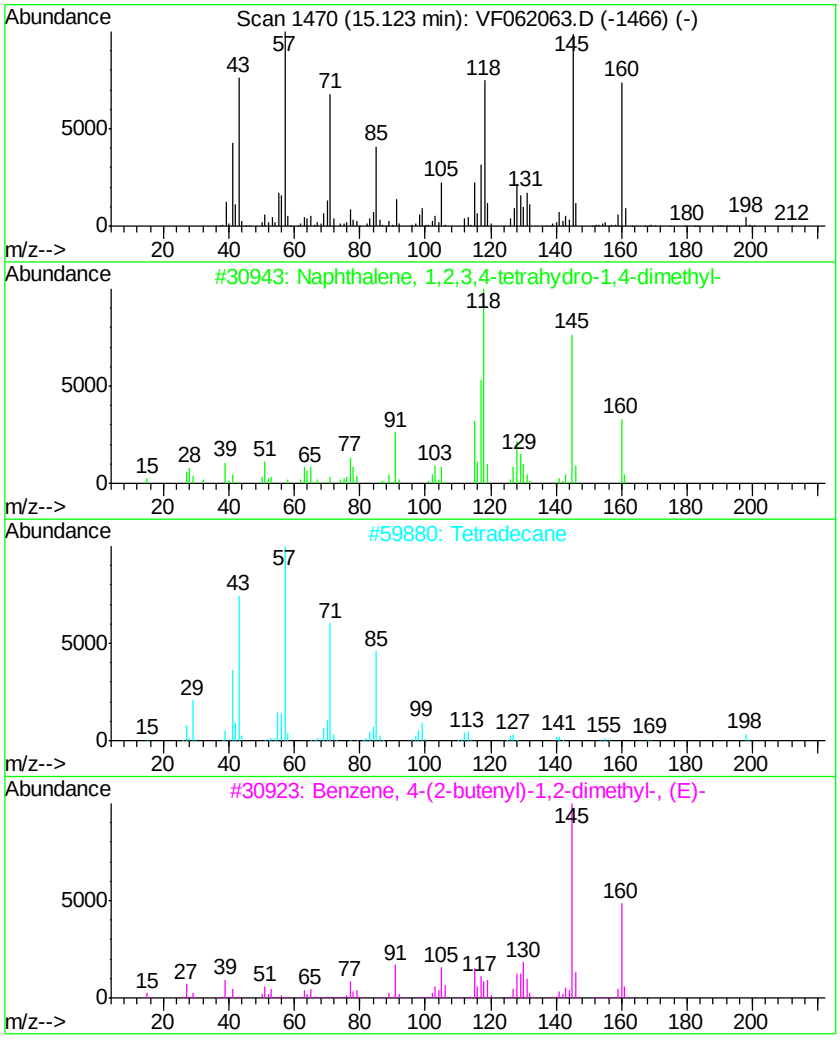
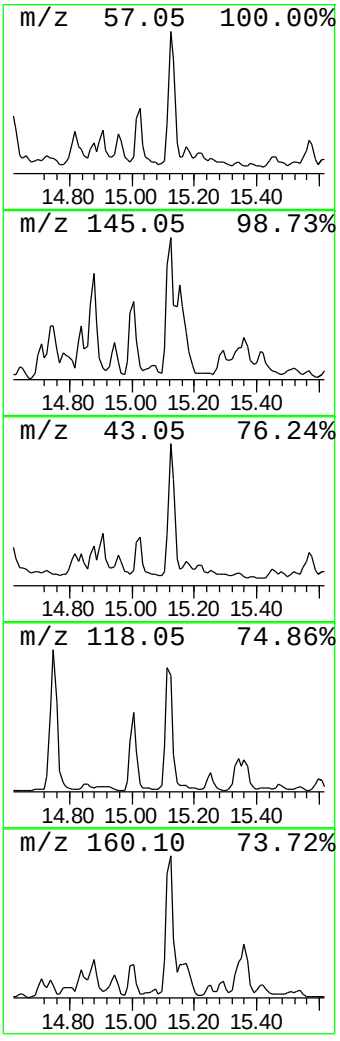
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	493.50 ug/l	8306240	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2	Tetradecane	198	C14H30	000629-59-4	90
3	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	78
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	55
5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
Data File : VF062063.D
Acq On : 21 Mar 2019 16:26
Operator : VA/AP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.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
Benzene, 2-ethyl-...	13.10	244.7	ug/l	4118130	4	12.56	841559	50.0
Dodecane	13.71	577.1	ug/l	9713550	4	12.56	841559	50.0
1H-Indene, 2,3-di...	13.86	451.0	ug/l	7591180	4	12.56	841559	50.0
1H-Indene, 2,3-di...	14.09	237.0	ug/l	3989140	4	12.56	841559	50.0
Benzene, (2-methy...	14.16	422.7	ug/l	7114740	4	12.56	841559	50.0
Tridecane	14.46	391.2	ug/l	6583740	4	12.56	841559	50.0
Naphthalene, 1,2,...	14.75	383.8	ug/l	6459470	4	12.56	841559	50.0
1H-Indene, 2,3-di...	14.88	310.4	ug/l	5225300	4	12.56	841559	50.0
Naphthalene, 1,2,...	15.01	374.2	ug/l	6298740	4	12.56	841559	50.0
Naphthalene, 1,2,...	15.12	493.5	ug/l	8306240	4	12.56	841559	50.0