LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
Data File : VD061691.D
Acq On : 9 Apr 2019 22:48
Operator : VA/AP
Sample : K2316-08
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190176-AMND-COMP-CS-3

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_D\METHOD\82D040619S.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	3.292	180	190	199	rBV2	441014	1300752	37.75%	4.920%
2	3.410	199	202	214	rVB	95799	272443	7.91%	1.030%
3	3.853	241	247	254	rBV2	28121	88941	2.58%	0.336%
4	6.993	560	566	569	rBV4	10697	35171	1.02%	0.133%
5	7.082	569	575	594	rVV	406845	1217320	35.33%	4.604%
6	7.495	610	617	637	rBV	1184607	3445387	100.00%	13.032%
7	8.253	686	694	709	rBV	596569	1582388	45.93%	5.985%
8	8.598	721	729	737	rVB2	22699	70538	2.05%	0.267%
9	9.572	823	828	837	rVB2	18784	52907	1.54%	0.200%
10	9.759	842	847	851	rBV	36963	99979	2.90%	0.378%
11	10.439	911	916	922	rVB	756877	1709814	49.63%	6.467%
12	10.537	922	926	934	rVB	242023	529385	15.37%	2.002%
13	11.226	991	996	1002	rBV3	18887	59186	1.72%	0.224%
14	12.142	1085	1089	1092	rBV	21626	36397	1.06%	0.138%
15	12.388	1110	1114	1123	rBV2	801253	2030536	58.93%	7.680%
16	12.535	1126	1129	1134	rBV	290401	493592	14.33%	1.867%
17	12.683	1139	1144	1150	rVB	517863	1052242	30.54%	3.980%
18	12.772	1150	1153	1156	rVB	23826	40325	1.17%	0.153%
19	12.841	1156	1160	1164	rBV	137212	235456	6.83%	0.891%
20	12.949	1164	1171	1175	rVB5	51920	143133	4.15%	0.541%
21	13.018	1175	1178	1180	rBV2	35811	77456	2.25%	0.293%
22	13.067	1180	1183	1185	rBV	316419	465429	13.51%	1.760%
23	13.106	1185	1187	1190	rVB	130698	215422	6.25%	0.815%
24	13.165	1190	1193	1195	rVB2	46478	83113	2.41%	0.314%
25	13.234	1195	1200	1203	rBV3	81783	168824	4.90%	0.639%
26	13.323	1206	1209	1214	rVB3	88162	198091	5.75%	0.749%
27	13.421	1215	1219	1222	rVB	771013	1234657	35.84%	4.670%
28	13.490	1222	1226	1231	rBV3	71276	260531	7.56%	0.985%
29	13.569	1231	1234	1239	rBV2	697231	1077699	31.28%	4.076%
30	13.668	1241	1244	1247	rVB2	161715	299847	8.70%	1.134%
31	13.727	1247	1250	1252	rVB2	97847	133791	3.88%	0.506%
32	13.776	1252	1255	1258	rVB2	224528	338177	9.82%	1.279%
33	13.855	1258	1263	1266	rBV2	457140	704111	20.44%	2.663%
34	13.904	1266	1268	1270	rBV3	49739	66021	1.92%	0.250%

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ClientSampleId : 20190176-AMND-COMP-CS-3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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Title : SW846 8260

35	13.943	1270	1272	1275	rBV2	126860	219102	6.36%	0.829%
36	13.983	1275	1276	1278	rVB2	62893	56630	1.64%	0.214%
37	14.022	1278	1280	1283	rVB3	79480	129862	3.77%	0.491%
38	14.101	1283	1288	1289	rBV2	73338	158876	4.61%	0.601%
39	14.130	1289	1291	1295	rVB4	41496	77318	2.24%	0.292%
40	14.199	1295	1298	1301	rBV2	164112	323119	9.38%	1.222%
41	14.248	1301	1303	1308	rVB2	372186	557584	16.18%	2.109%
42	14.337	1310	1312	1314	rBV	44032	64178	1.86%	0.243%
43	14.376	1314	1316	1319	rBV3	41825	58257	1.69%	0.220%
44	14.426	1319	1321	1322	rBV	113498	151687	4.40%	0.574%
45	14.534	1329	1332	1334	rVB	502380	641191	18.61%	2.425%
46	14.573	1334	1336	1337	rVB	69290	81225	2.36%	0.307%
47	14.613	1337	1340	1341	rBV	49562	62582	1.82%	0.237%
48	14.632	1341	1342	1347	rVB3	83839	158732	4.61%	0.600%
49	14.721	1347	1351	1352	rBV2	83948	147926	4.29%	0.560%
50	14.741	1352	1353	1355	rVB	64114	68022	1.97%	0.257%
51	14.790	1355	1358	1359	rBV2	131395	191181	5.55%	0.723%
52	14.819	1359	1361	1363	rVB3	88973	109873	3.19%	0.416%
53	14.869	1363	1366	1367	rBV2	72682	89687	2.60%	0.339%
54	14.898	1367	1369	1370	rBV2	60820	66172	1.92%	0.250%
55	14.987	1376	1378	1379	rVB2	40973	38951	1.13%	0.147%
56	15.016	1379	1381	1384	rBV2	55920	59176	1.72%	0.224%
57	15.065	1384	1386	1388	rVB	129752	142968	4.15%	0.541%
58	15.105	1388	1390	1391	rBV	71543	87051	2.53%	0.329%
59	15.154	1393	1395	1399	rVB2	90481	161691	4.69%	0.612%
60	15.233	1399	1403	1406	rBV4	45446	113956	3.31%	0.431%
61	15.282	1406	1408	1411	rBV3	51642	102588	2.98%	0.388%
62	15.331	1411	1413	1414	rBV2	61509	83622	2.43%	0.316%
63	15.351	1414	1415	1417	rVB	82939	83025	2.41%	0.314%
64	15.390	1417	1419	1422	rVB	96743	117443	3.41%	0.444%
65	15.440	1422	1424	1426	rBV2	114553	172893	5.02%	0.654%
66	15.489	1426	1429	1432	rVB3	185912	275651	8.00%	1.043%
67	15.636	1443	1444	1447	rBV2	34756	67609	1.96%	0.256%
68	15.686	1447	1449	1451	rVV	140198	194886	5.66%	0.737%
69	15.755	1454	1456	1457	rVV2	45442	64995	1.89%	0.246%
70	15.784	1457	1459	1466	rVB3	154825	383363	11.13%	1.450%
71	15.922	1468	1473	1474	rVV3	49341	111788	3.24%	0.423%

LSC Area Percent Report

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Instrument : MSVOA_D
ClientSampleId : 20190176-AMND-COMP-CS-3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Title : SW846 8260

72	16.010	1477	1482	1484	rVV2	40360	85832	2.49%	0.325%
73	16.060	1484	1487	1488	rVV2	21390	35902	1.04%	0.136%
74	16.129	1491	1494	1499	rVV	51436	118538	3.44%	0.448%
75	16.237	1502	1505	1507	rVV3	31392	53339	1.55%	0.202%
76	16.532	1532	1535	1538	rVB	106864	147464	4.28%	0.558%
77	16.729	1551	1555	1558	rBV	374326	503912	14.63%	1.906%

Sum of corrected areas: 26438908

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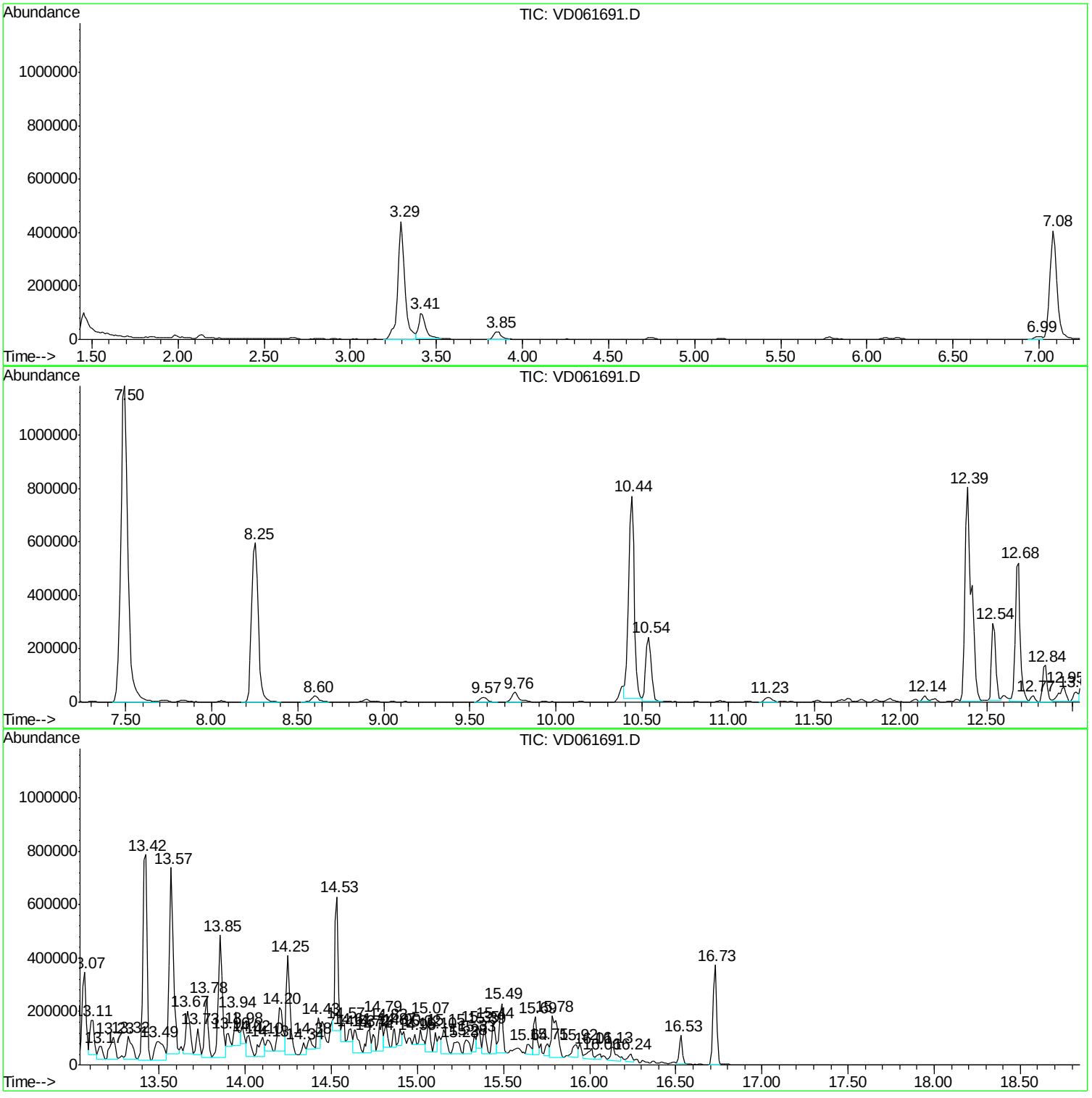
Instrument :
MSVOA_D
ClientSampleId :
20190176-AMND-COMP-CS-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

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



Library Search Compound Report

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Instrument :
MSVOA_D
ClientSampleId :
20190176-AMND-COMP-CS-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

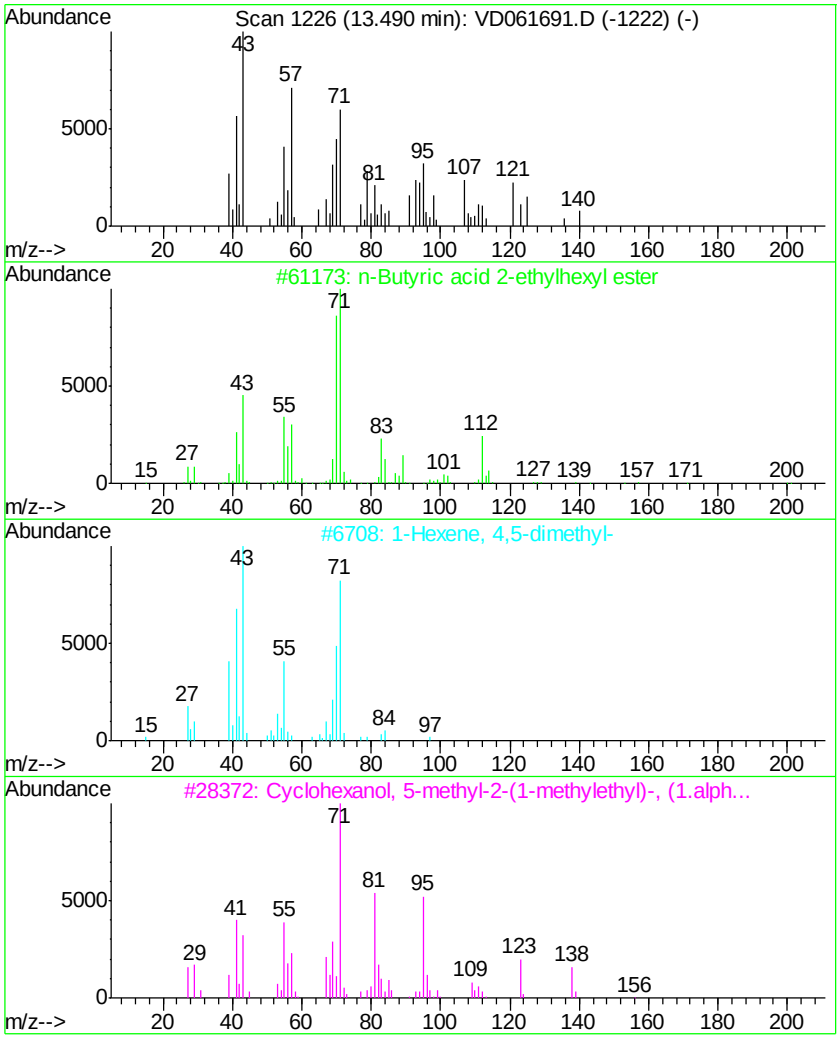
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

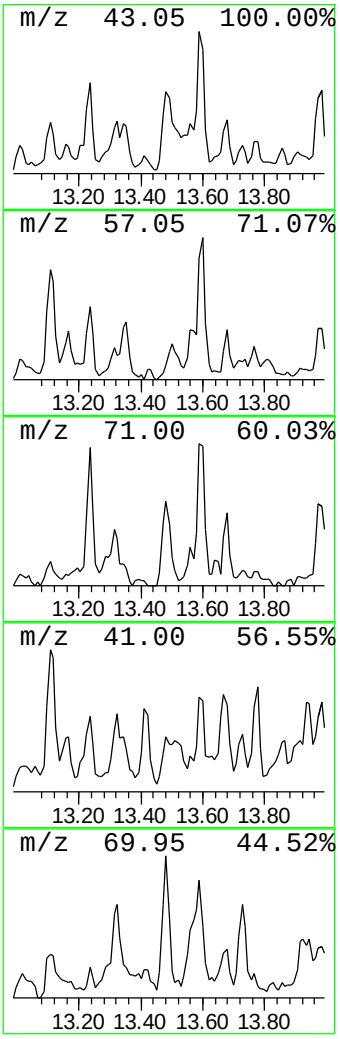
****

Peak Number 1 unknown13.49 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	20.32 ug/l	260531	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	35
2	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	27
3	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000490-99-3	22
4	1-Decene, 3,4-dimethyl-	168	C12H24	050871-03-9	22
5	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	023283-97-8	22





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Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190176-AMND-COMP-CS-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

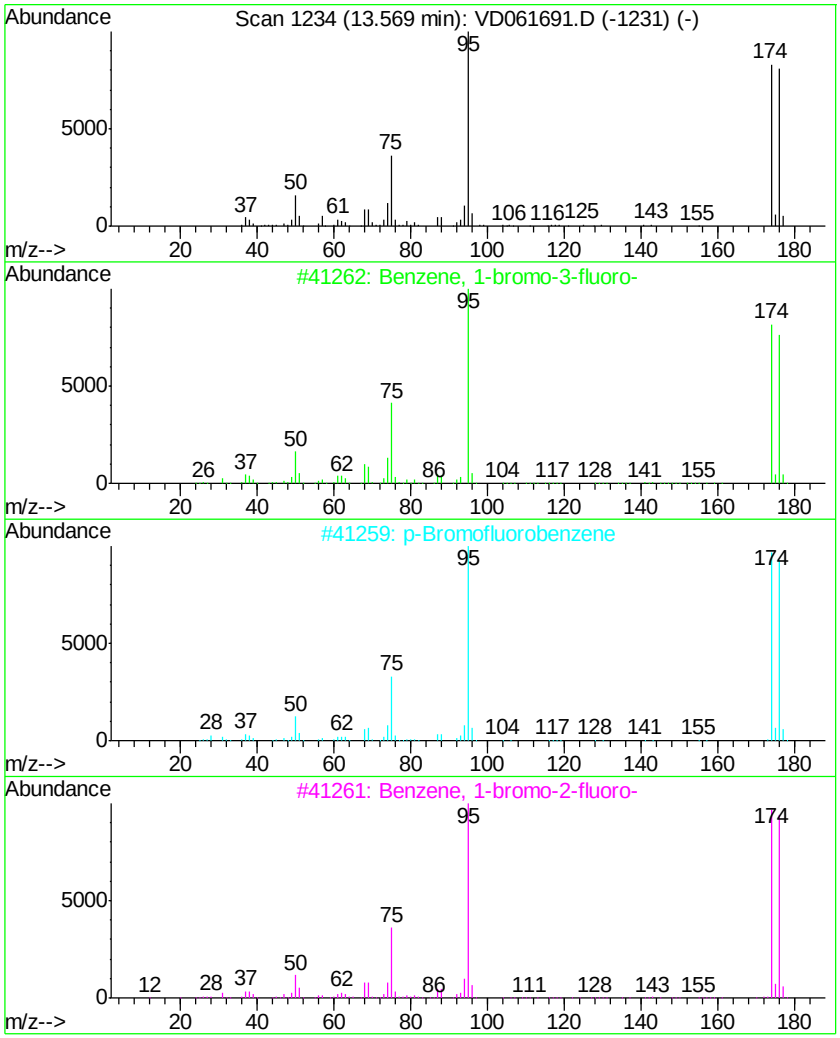
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

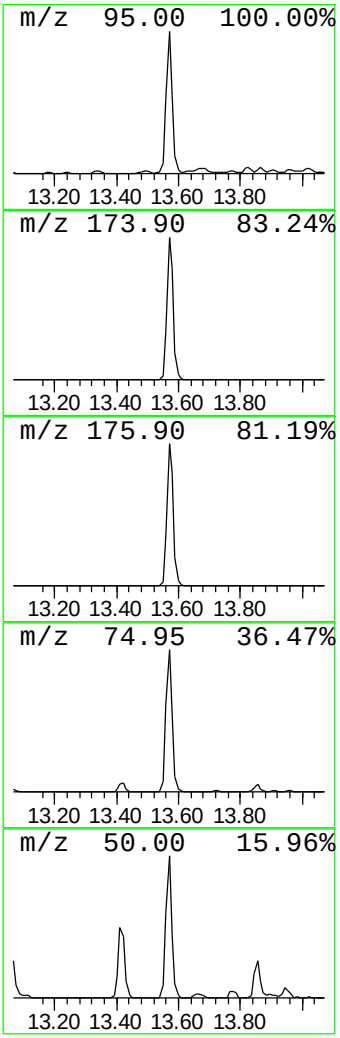
****

Peak Number 2 Benzene, 1-bromo-3-fluoro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	84.04 ug/l	1077700	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-3-fluoro-	174	C6H4BrF	001073-06-9	98
2	p-Bromofluorobenzene	174	C6H4BrF	000460-00-4	96
3	Benzene, 1-bromo-2-fluoro-	174	C6H4BrF	001072-85-1	94
4	4(1H)-Pyrimidinone, 5-bromo-	174	C4H3BrN2O	019808-30-1	38
5	Benzaldehyde, 2,6-difluoro-3,4-d...	174	C7H4F2O3	152434-98-5	18





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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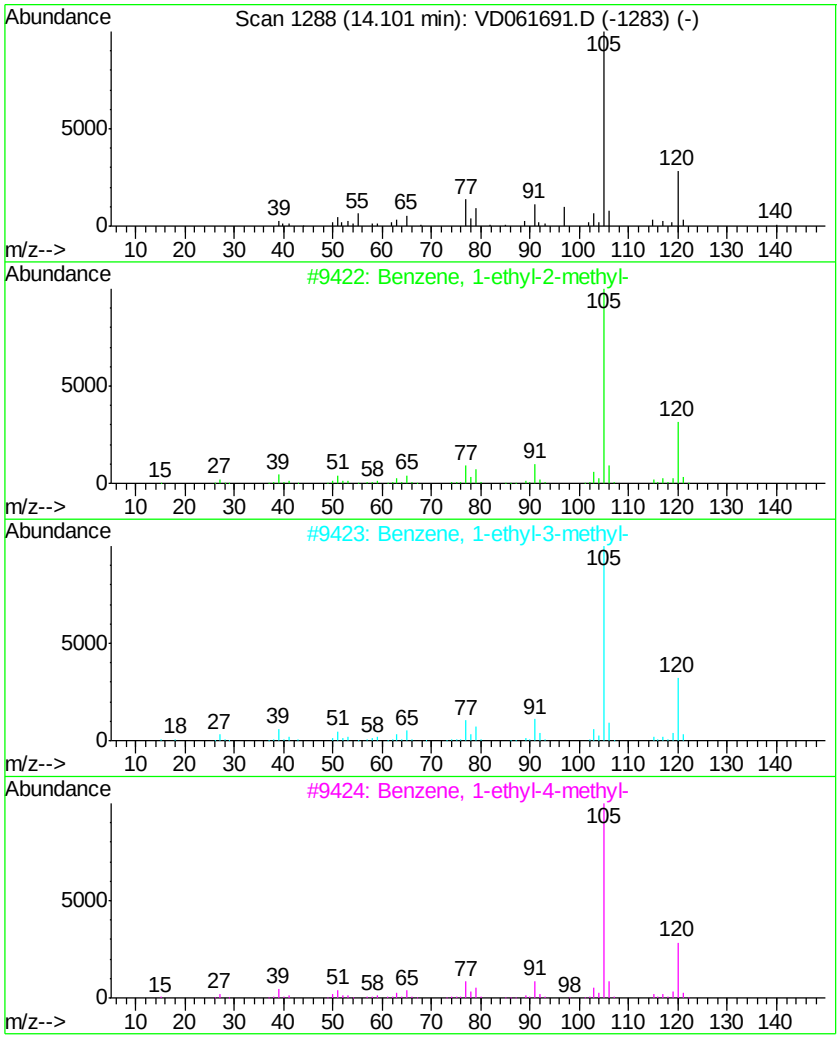
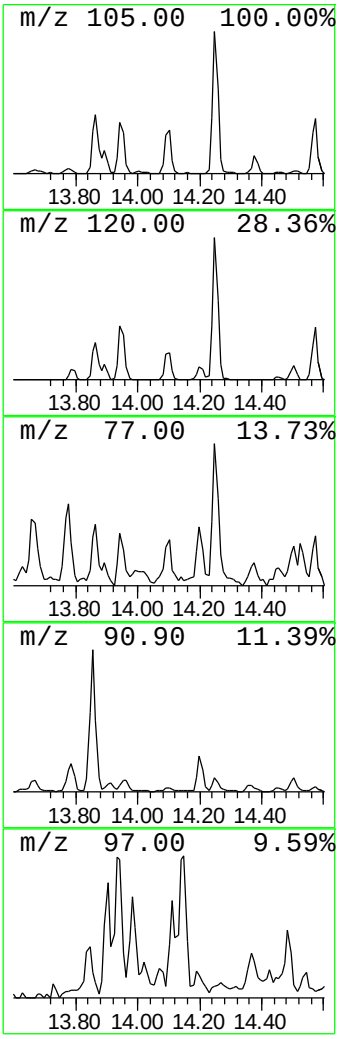
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	12.39 ug/l	158876	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5	Mesitylene	120	C9H12	000108-67-8	87





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

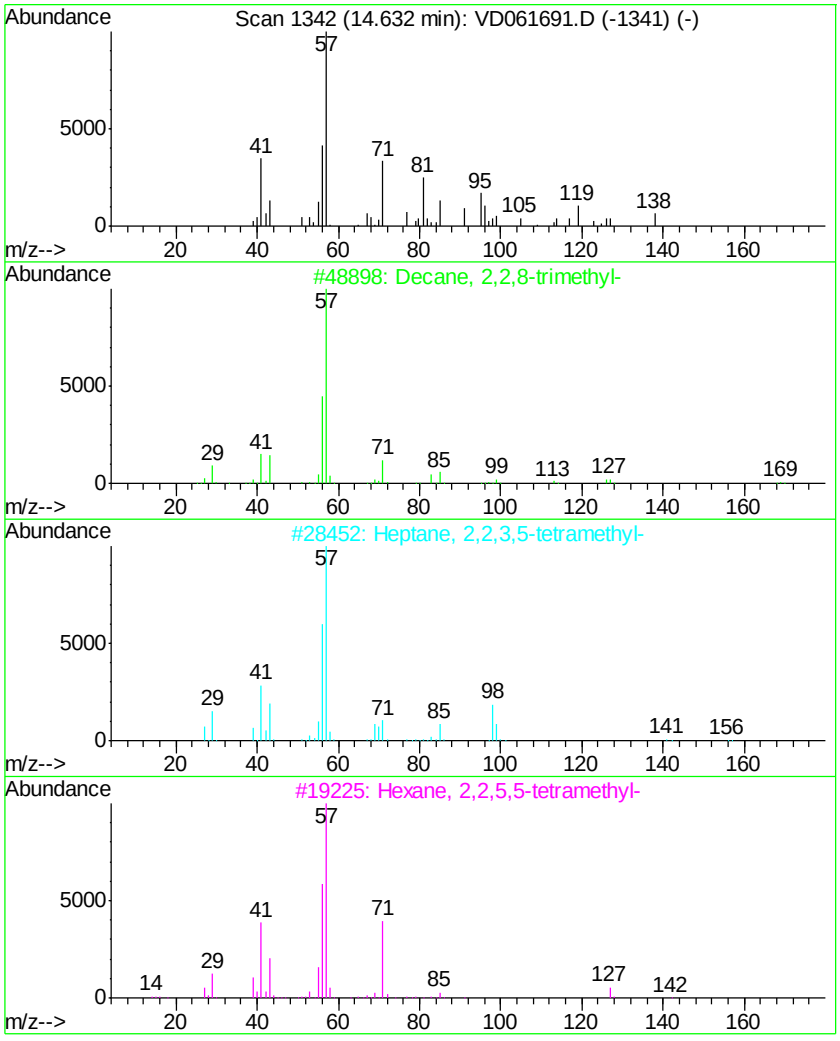
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

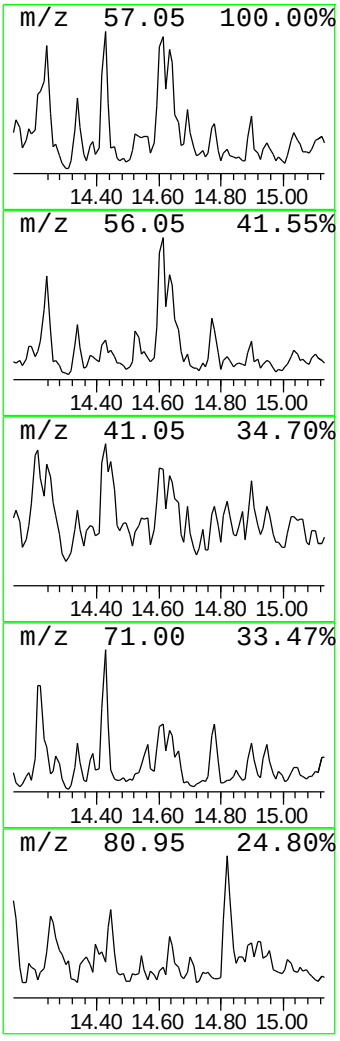
****

Peak Number 4 unknown14.63 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	12.38 ug/l	158732	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	47
2	Heptane, 2,2,3,5-tetramethyl-	156	C11H24	061868-42-6	43
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	40
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	38
5	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	38





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Quant Title : SW846 8260

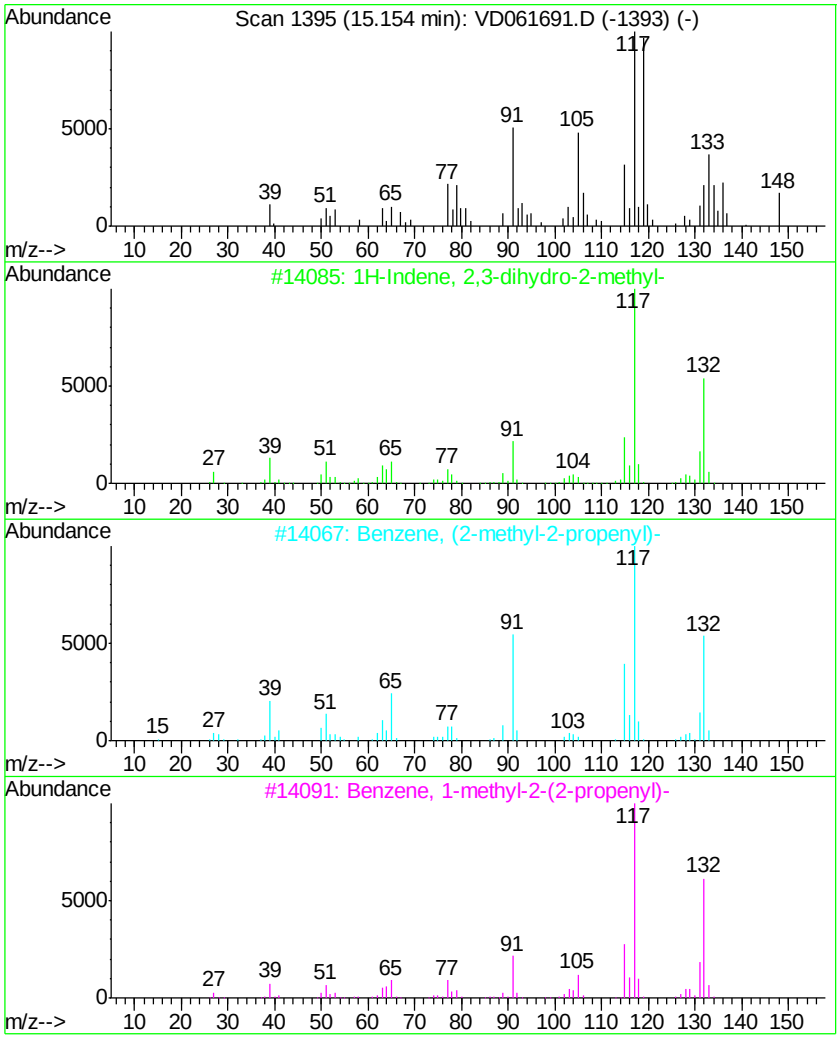
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

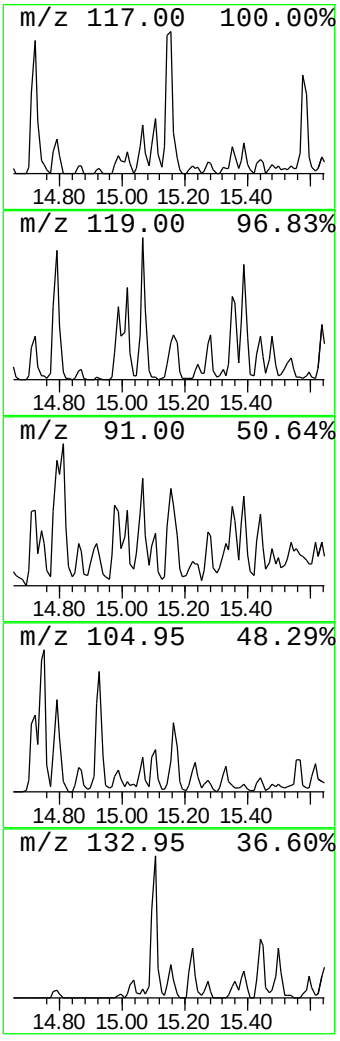
****

Peak Number 5 unknown15.15 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	12.61 ug/l	161691	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	42
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	42
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	38
4	3a,6-Methano-3aH-indene, 2,3,6,7...	132	C10H12	098640-29-0	38
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

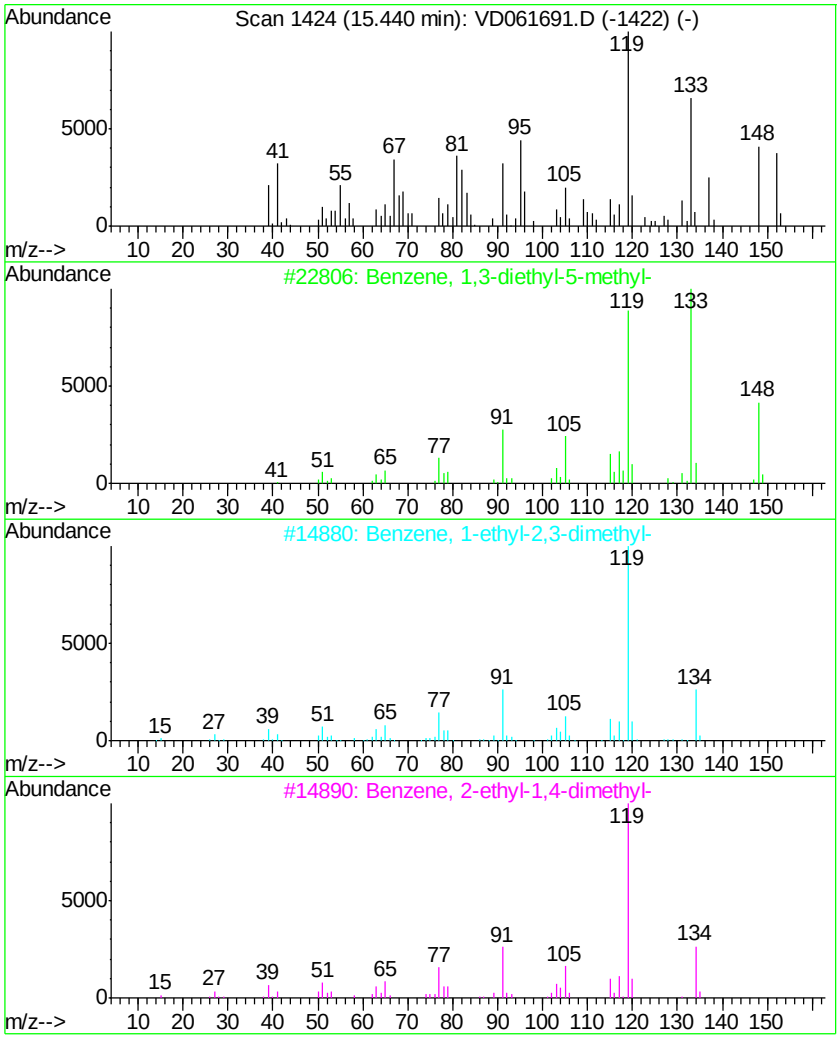
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

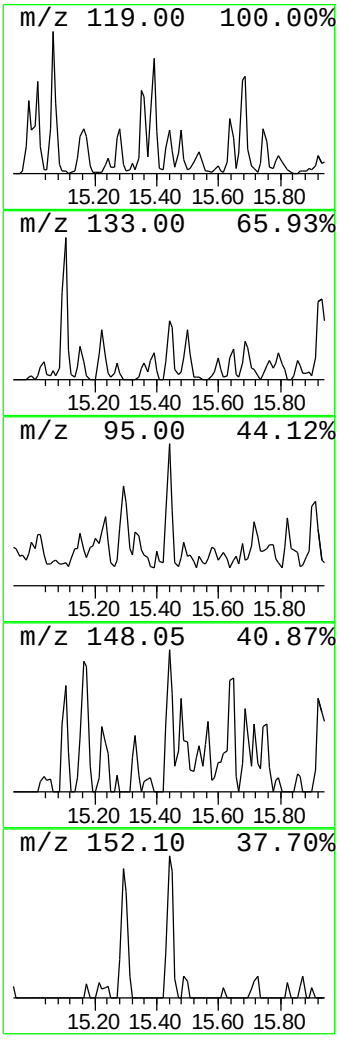
****

Peak Number 6 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	13.48 ug/l	172893	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	50
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	38
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	38
4	3,4-Dimethylcumene	148	C11H16	1000370-34-1	30
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
Data File : VD061691.D
Acq On : 9 Apr 2019 22:48
Operator : VA/AP
Sample : K2316-08
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20190176-AMND-COMP-CS-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

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

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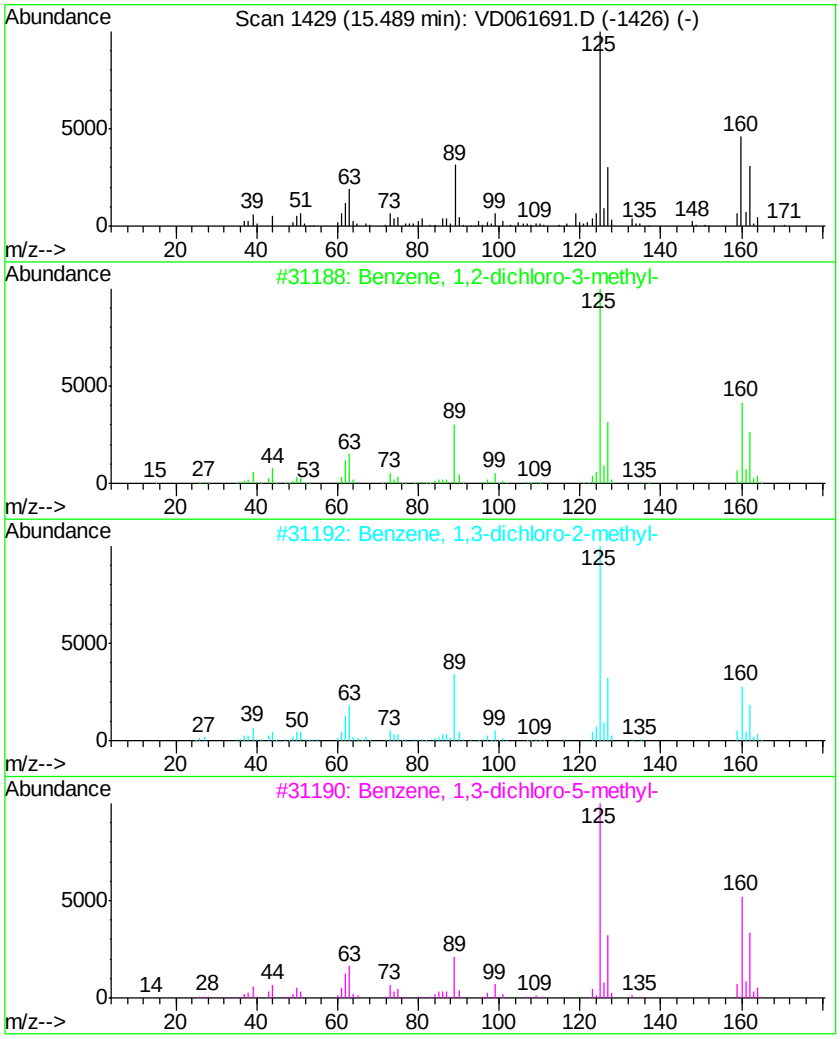
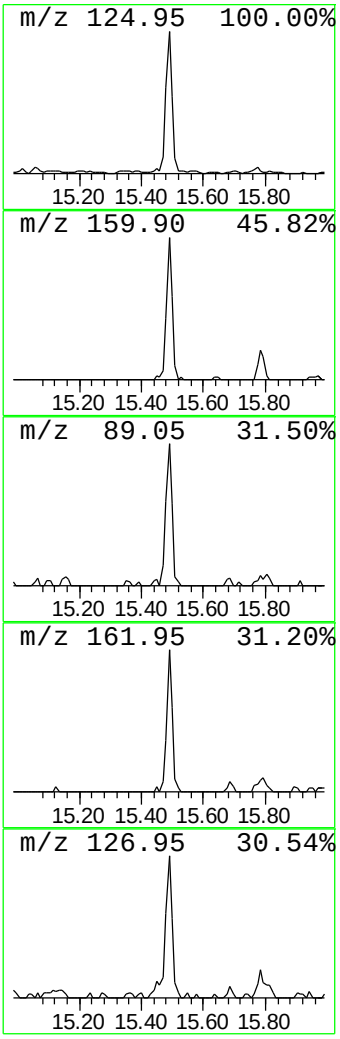
Peak Number 7 Benzene, 1,2-dichloro-3-met... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	21.50 ug/l	275651	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	98
2	Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	97
3	Benzene, 1,3-dichloro-5-methyl-	160	C7H6Cl2	025186-47-4	96
4	Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
5	Benzene, 1-chloro-2-(chloromethyl)-	160	C7H6Cl2	000611-19-8	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
Data File : VD061691.D
Acq On : 9 Apr 2019 22:48
Operator : VA/AP
Sample : K2316-08
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190176-AMND-COMP-CS-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

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

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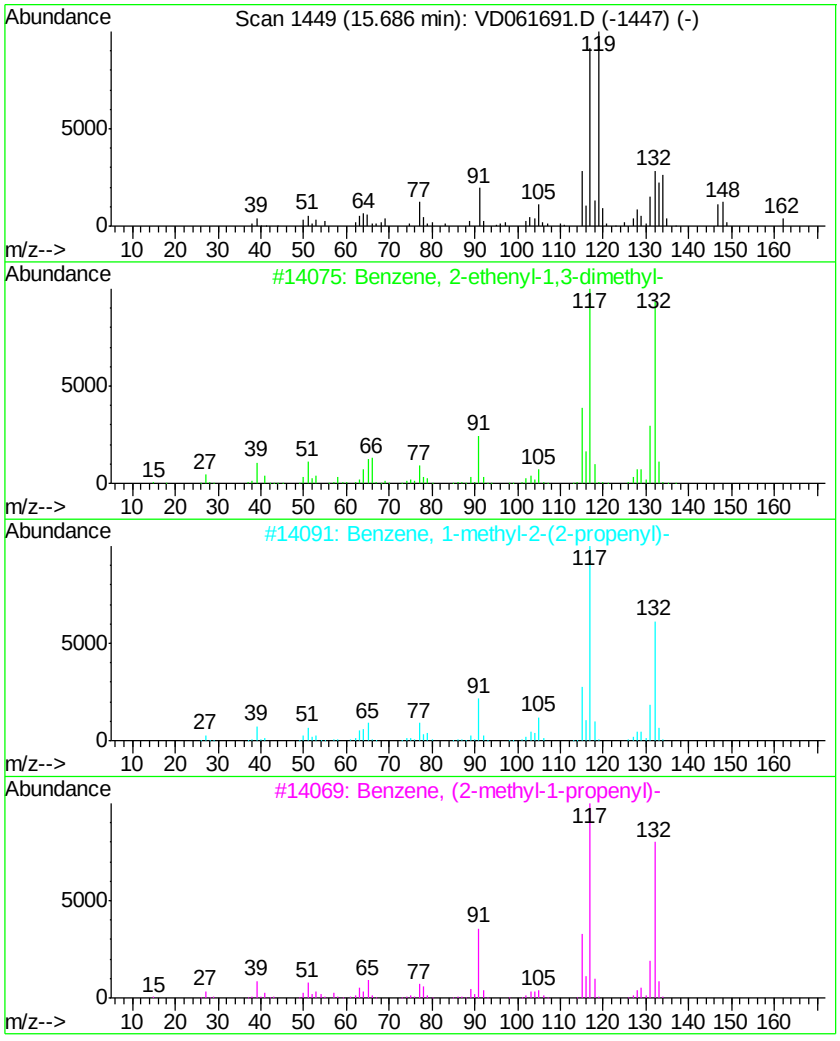
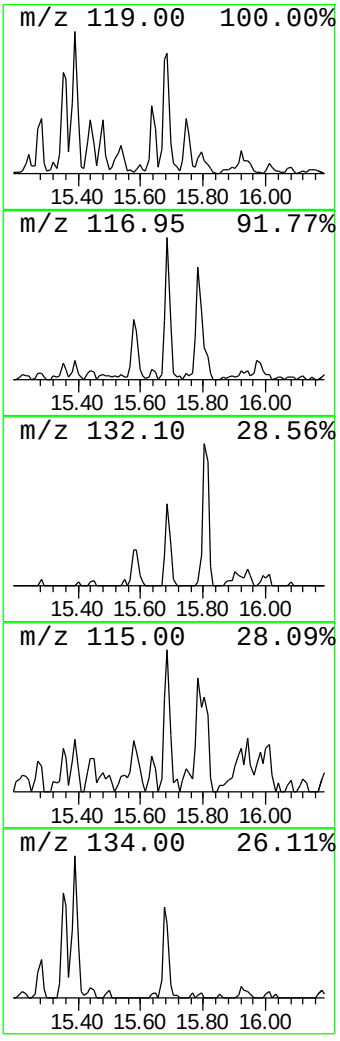
Peak Number 8 unknown15.69 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	15.20 ug/l	194886	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	46
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	46
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	46
4	o-Cymene	134	C10H14	000527-84-4	42
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
Data File : VD061691.D
Acq On : 9 Apr 2019 22:48
Operator : VA/AP
Sample : K2316-08
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20190176-AMND-COMP-CS-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

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

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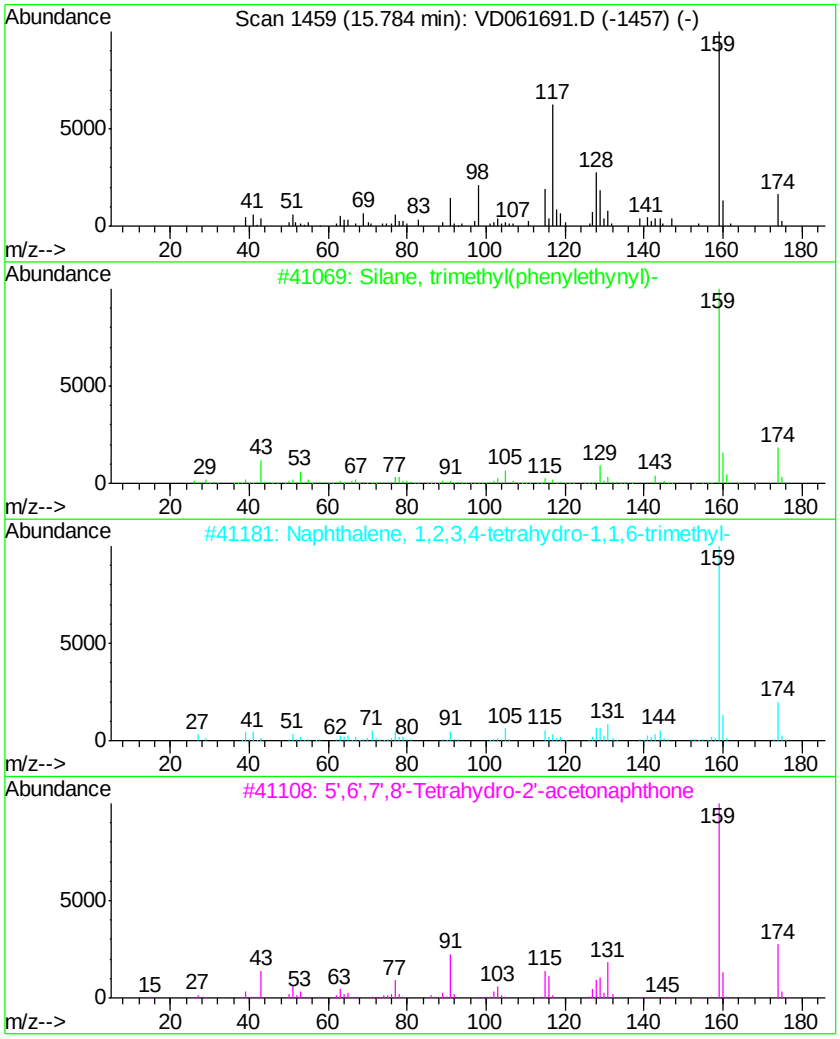
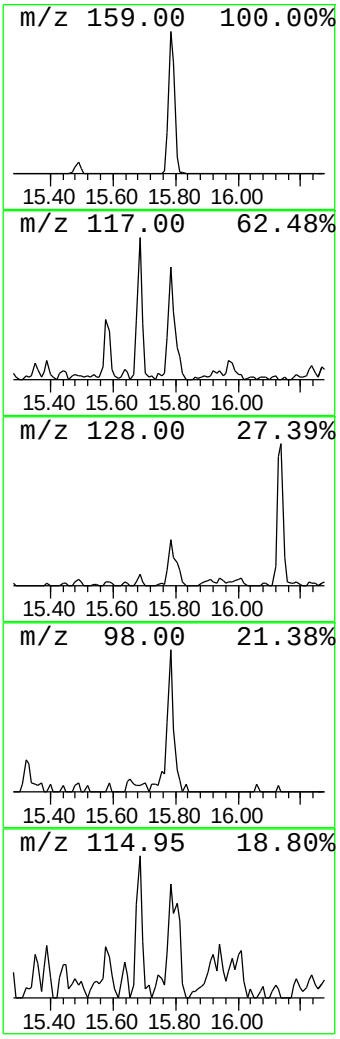
Peak Number 9 Silane, trimethyl(phenyleth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	29.89 ug/l	383363	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trimethyl(phenylethynyl)-	174	C11H14Si	002170-06-1	55
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	53
3	5',6',7',8'-Tetrahydro-2'-aceton...	174	C12H14O	000774-55-0	49
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	46
5	Toluene, 4-(1,1-dimethyl-2-propy...	174	C12H14O	082719-54-8	43





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Data File : VD061691.D
Acq On : 9 Apr 2019 22:48
Operator : VA/AP
Sample : K2316-08
Misc : 5.10g/5ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190176-AMND-COMP-CS-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

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

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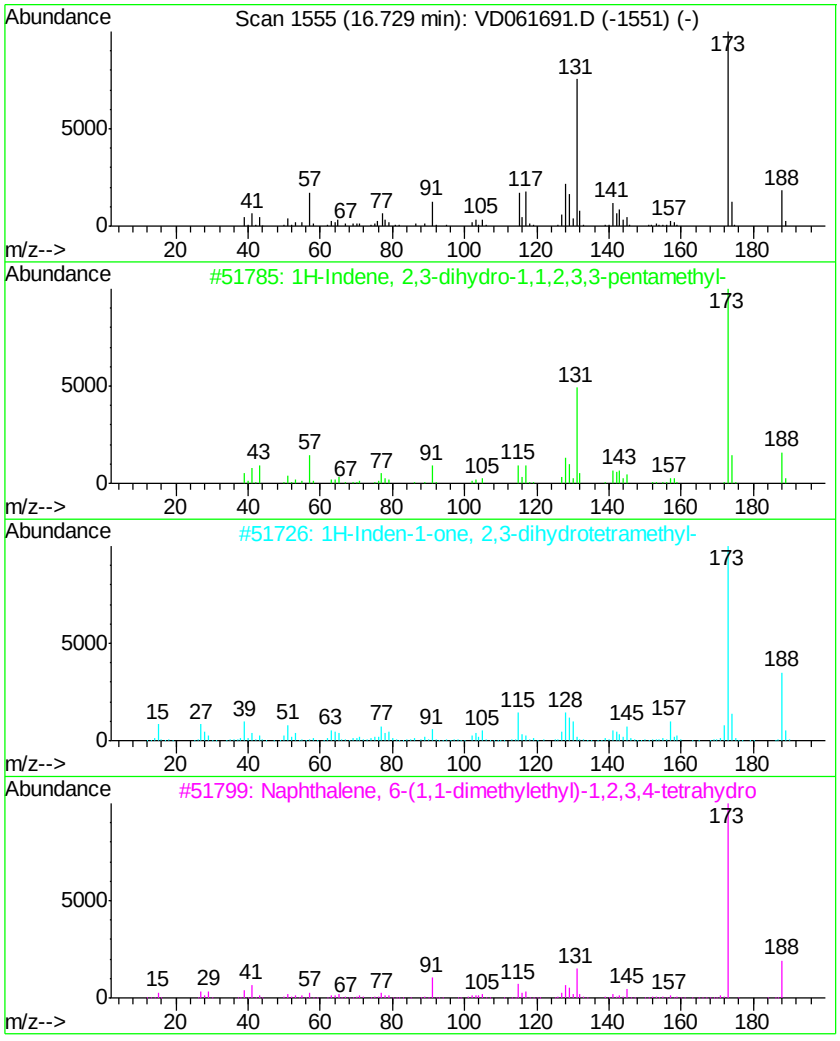
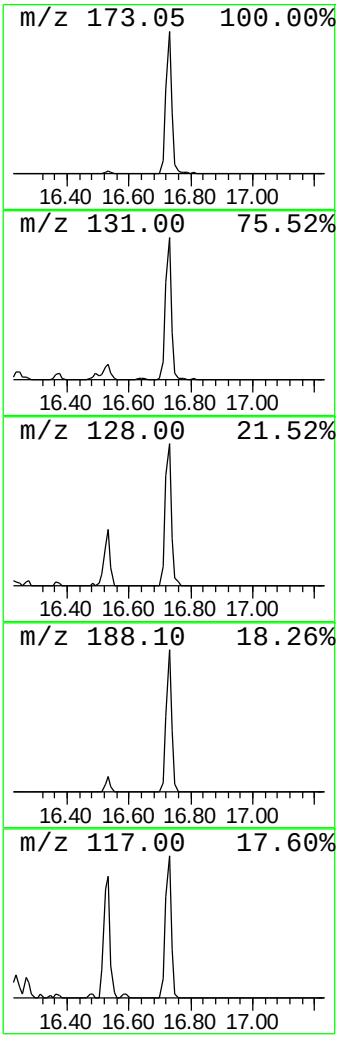
Peak Number 10 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	39.30 ug/l	503912	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,2,3,3...	188	C14H20	001203-17-4	96
2	1H-Inden-1-one, 2,3-dihydrotetra...	188	C13H16O	089907-33-5	55
3	Naphthalene, 6-(1,1-dimethylethy...	188	C14H20	042044-26-8	43
4	(1,4-Dimethylpent-2-enyl)benzene	174	C13H18	1000184-97-9	38
5	1,1,4,5,6-pentamethyl-2,3-dihydr...	188	C14H20	1000374-13-8	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040919\
Data File : VD061691.D
Acq On : 9 Apr 2019 22:48
Operator : VA/AP
Sample : K2316-08
Misc : 5.10g/5ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190176-AMND-COMP-CS-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.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
unknown13.49	13.49	20.3	ug/l	260531	4	14.53	641191	50.0
Benzene, 1-bromo-...	13.57	84.0	ug/l	1077700	4	14.53	641191	50.0
Benzene, 1-ethyl-...	14.10	12.4	ug/l	158876	4	14.53	641191	50.0
unknown14.63	14.63	12.4	ug/l	158732	4	14.53	641191	50.0
unknown15.15	15.15	12.6	ug/l	161691	4	14.53	641191	50.0
Benzene, 1,3-diet...	15.44	13.5	ug/l	172893	4	14.53	641191	50.0
Benzene, 1,2-dich...	15.49	21.5	ug/l	275651	4	14.53	641191	50.0
unknown15.69	15.69	15.2	ug/l	194886	4	14.53	641191	50.0
Silane, trimethyl...	15.78	29.9	ug/l	383363	4	14.53	641191	50.0
1H-Indene, 2,3-di...	16.73	39.3	ug/l	503912	4	14.53	641191	50.0