LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
Data File : VD061693.D
Acq On : 9 Apr 2019 23:44
Operator : VA/AP
Sample : K2316-10
Misc : 5.04g/5ml/MSVOA D/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190178-AMND-COMP-CS-5

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	1.978	53	56	61	rBV2	12269	30232	1.92%	0.167%
2	2.136	68	72	80	rBV3	9187	31068	1.98%	0.172%
3	3.287	179	189	198	rBV2	445893	1302975	82.87%	7.203%
4	3.405	198	201	214	rVB	88704	256935	16.34%	1.420%
5	3.848	240	246	258	rVB	33483	97093	6.18%	0.537%
6	4.734	330	336	343	rBV4	6186	17722	1.13%	0.098%
7	5.768	437	441	449	rBV2	12702	39659	2.52%	0.219%
8	6.103	470	475	477	rBV2	6121	17203	1.09%	0.095%
9	6.162	477	481	487	rVB2	7762	24285	1.54%	0.134%
10	7.077	568	574	589	rVB	359965	1015781	64.61%	5.616%
11	7.481	608	615	628	rBV	229150	633379	40.29%	3.502%
12	7.727	634	640	645	rVB	8577	24904	1.58%	0.138%
13	8.249	687	693	714	rBV	511484	1315668	83.68%	7.274%
14	8.593	725	728	734	rVB2	8713	23698	1.51%	0.131%
15	8.889	754	758	763	rBV2	8795	22553	1.43%	0.125%
16	9.578	822	828	835	rBB	24918	60037	3.82%	0.332%
17	9.755	840	846	851	rBV2	40261	121542	7.73%	0.672%
18	10.385	901	910	911	rBV	107164	236812	15.06%	1.309%
19	10.434	911	915	923	rVV	676539	1572234	100.00%	8.692%
20	10.533	923	925	929	rVB	10969	19792	1.26%	0.109%
21	11.222	988	995	1002	rBV3	37735	104284	6.63%	0.577%
22	11.507	1019	1024	1031	rBV2	7511	17534	1.12%	0.097%
23	11.655	1034	1039	1041	rBV	12994	29146	1.85%	0.161%
24	11.694	1041	1043	1046	rVB2	11141	18240	1.16%	0.101%
25	11.763	1046	1050	1055	rVB4	5080	16024	1.02%	0.089%
26	12.078	1078	1082	1085	rBV2	16268	31458	2.00%	0.174%
27	12.137	1085	1088	1091	rVB2	19057	34578	2.20%	0.191%
28	12.383	1109	1113	1122	rBV	651086	1170296	74.44%	6.470%
29	12.541	1126	1129	1134	rVB2	47070	95420	6.07%	0.528%
30	12.620	1134	1137	1139	rBV2	16695	30209	1.92%	0.167%
31	12.669	1139	1142	1149	rVB3	50293	124647	7.93%	0.689%
32	12.767	1149	1152	1156	rVB	19481	33983	2.16%	0.188%
33	12.836	1156	1159	1162	rBV	14344	21610	1.37%	0.119%
34	12.915	1162	1167	1173	rVB2	52086	123556	7.86%	0.683%

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Misc : 5.04g/5ml/MSVOA D/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190178-AMND-COMP-CS-5

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

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Peak separation: 5

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

35	13.013	1173	1177	1180	rBV3	26617	62740	3.99%	0.347%
36	13.063	1180	1182	1184	rVV	45296	64483	4.10%	0.356%
37	13.112	1184	1187	1190	rVV	358093	605063	38.48%	3.345%
38	13.161	1190	1192	1195	rVV2	94027	155014	9.86%	0.857%
39	13.230	1195	1199	1202	rVV2	63763	160934	10.24%	0.890%
40	13.329	1205	1209	1213	rBV4	57298	128784	8.19%	0.712%
41	13.417	1213	1218	1221	rVB	180291	285168	18.14%	1.577%
42	13.516	1221	1228	1231	rBV3	120182	381981	24.30%	2.112%
43	13.565	1231	1233	1238	rVV	516749	879384	55.93%	4.862%
44	13.663	1240	1243	1247	rVV2	250567	460005	29.26%	2.543%
45	13.722	1247	1249	1251	rVV2	67265	98996	6.30%	0.547%
46	13.772	1251	1254	1257	rVB	328695	441159	28.06%	2.439%
47	13.850	1257	1262	1265	rBV2	183599	297720	18.94%	1.646%
48	13.899	1265	1267	1270	rVV2	38067	52897	3.36%	0.292%
49	13.949	1270	1272	1273	rVV3	30121	45126	2.87%	0.249%
50	13.988	1273	1276	1277	rVV3	43797	87801	5.58%	0.485%
51	14.018	1277	1279	1283	rVB	114516	155416	9.89%	0.859%
52	14.067	1283	1284	1286	rBV	25809	28014	1.78%	0.155%
53	14.136	1288	1291	1294	rVB4	25504	55587	3.54%	0.307%
54	14.205	1294	1298	1300	rBV2	88552	150215	9.55%	0.830%
55	14.244	1300	1302	1307	rVB2	82024	144763	9.21%	0.800%
56	14.333	1307	1311	1313	rBV2	24799	38121	2.42%	0.211%
57	14.382	1313	1316	1318	rBV3	22649	41766	2.66%	0.231%
58	14.421	1318	1320	1328	rVV3	91678	245165	15.59%	1.355%
59	14.530	1328	1331	1334	rVV	531059	646919	41.15%	3.576%
60	14.608	1336	1339	1340	rVV2	61686	75728	4.82%	0.419%
61	14.638	1340	1342	1346	rVB3	64408	99905	6.35%	0.552%
62	14.697	1346	1348	1349	rBV2	12496	19803	1.26%	0.109%
63	14.746	1351	1353	1354	rVB2	16162	15904	1.01%	0.088%
64	14.785	1354	1357	1359	rBV2	36419	56116	3.57%	0.310%
65	14.815	1359	1360	1364	rVB4	39821	46701	2.97%	0.258%
66	14.904	1366	1369	1373	rBV2	86369	163703	10.41%	0.905%
67	14.953	1373	1374	1376	rVB2	19205	16366	1.04%	0.090%
68	15.032	1379	1382	1383	rBV2	30882	56368	3.59%	0.312%
69	15.061	1383	1385	1387	rVB3	32578	41631	2.65%	0.230%
70	15.120	1387	1391	1393	rBV3	80660	161987	10.30%	0.896%
71	15.228	1398	1402	1405	rVV3	30012	70895	4.51%	0.392%

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Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
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Title : SW846 8260

72	15.297	1405	1409	1411	rVV4	29518	51837	3.30%	0.287%
73	15.347	1411	1414	1417	rVV2	74739	128889	8.20%	0.713%
74	15.386	1417	1418	1421	rVV2	25212	36214	2.30%	0.200%
75	15.445	1421	1424	1426	rVV2	62756	114018	7.25%	0.630%
76	15.484	1426	1428	1431	rVV2	45715	86701	5.51%	0.479%
77	15.543	1433	1434	1438	rVB3	14041	17929	1.14%	0.099%
78	15.681	1445	1448	1450	rBV	39625	58743	3.74%	0.325%
79	15.750	1453	1455	1456	rVV	19333	24841	1.58%	0.137%
80	15.780	1456	1458	1466	rVV2	216627	420092	26.72%	2.322%
81	15.908	1468	1471	1478	rBV6	27038	56026	3.56%	0.310%
82	15.986	1478	1479	1483	rVB4	10799	18495	1.18%	0.102%
83	16.055	1483	1486	1488	rBV3	14856	21725	1.38%	0.120%
84	16.134	1491	1494	1495	rBV	26602	28253	1.80%	0.156%
85	16.233	1501	1504	1509	rVB5	11814	29410	1.87%	0.163%
86	16.311	1509	1512	1516	rVB	9952	17537	1.12%	0.097%
87	16.528	1531	1534	1538	rVB	300732	374825	23.84%	2.072%
88	16.725	1551	1554	1558	rBV	979078	1349939	85.86%	7.463%

Sum of corrected areas: 18088359

LSC Report - Integrated Chromatogram

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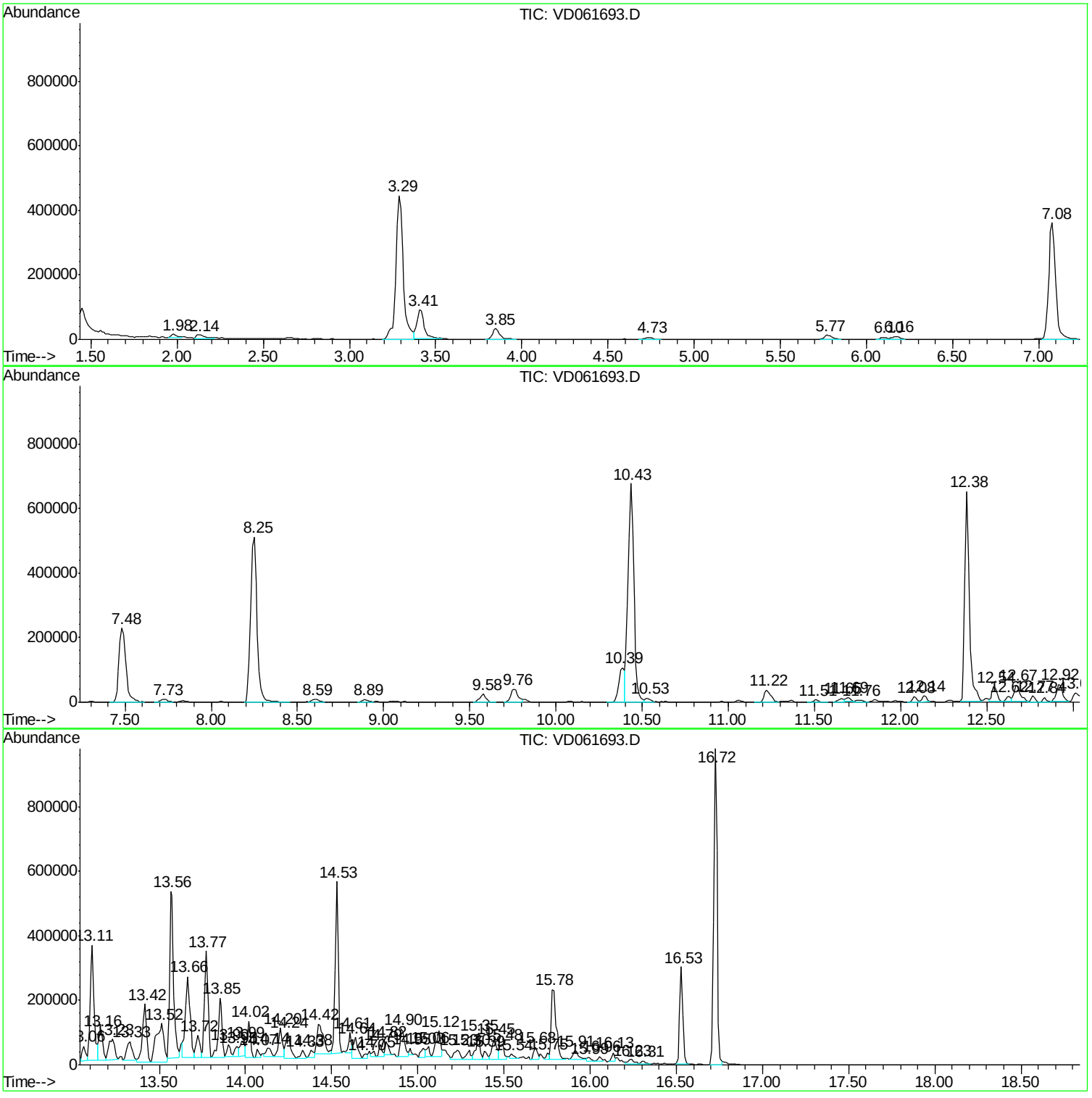
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20190178-AMND-COMP-CS-5

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
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Acq On : 9 Apr 2019 23:44
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Misc : 5.04g/5ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
Quant Title : SW846 8260

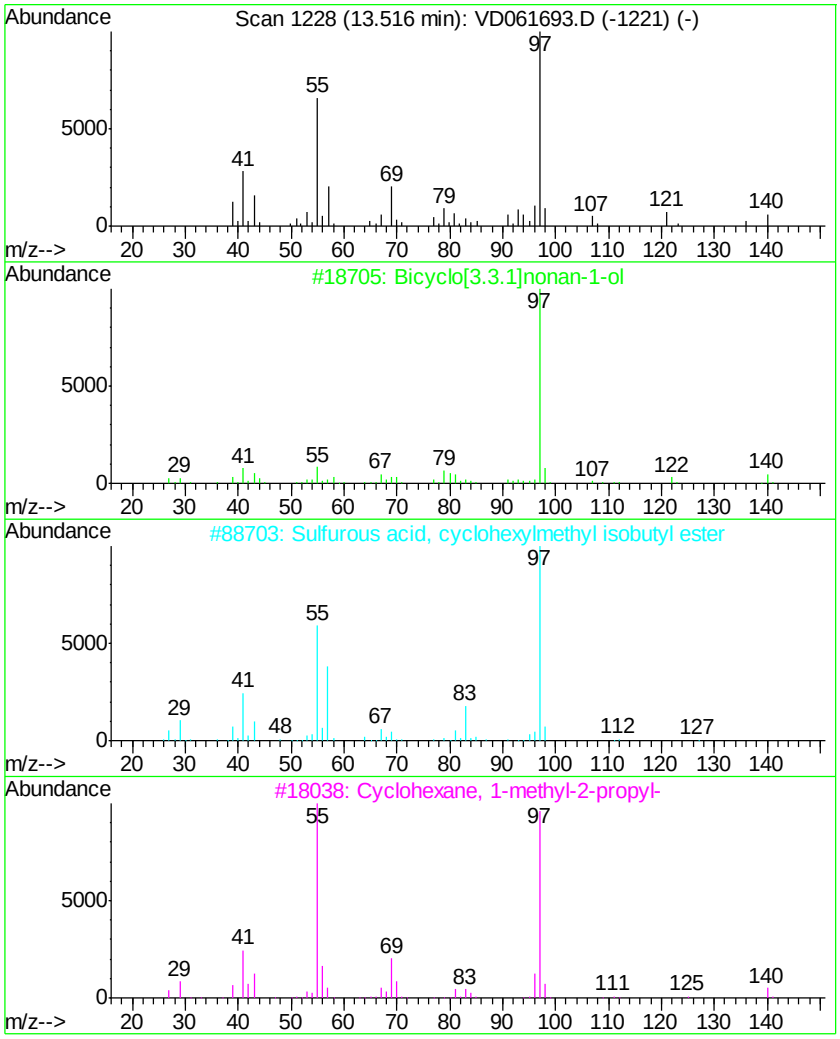
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

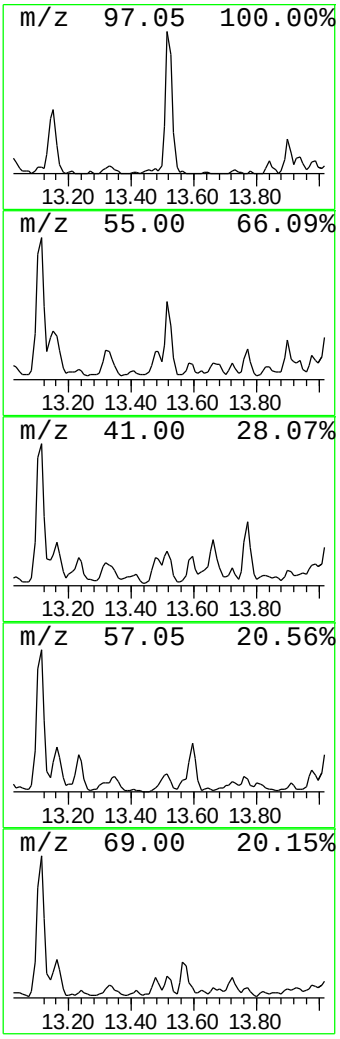
****

Peak Number 1 Bicyclo[3.3.1]nonan-1-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	29.52 ug/l	381981	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonan-1-ol	140	C9H16O	015158-56-2	64
2	Sulfurous acid, cyclohexylmethyl...	234	C11H22O3S	1000309-21-3	59
3	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	58
4	Furan, 2,3-dihydro-4-(1-methylpr...	126	C8H14O	034379-54-9	53
5	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040919\
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ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190178-AMND-COMP-CS-5

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

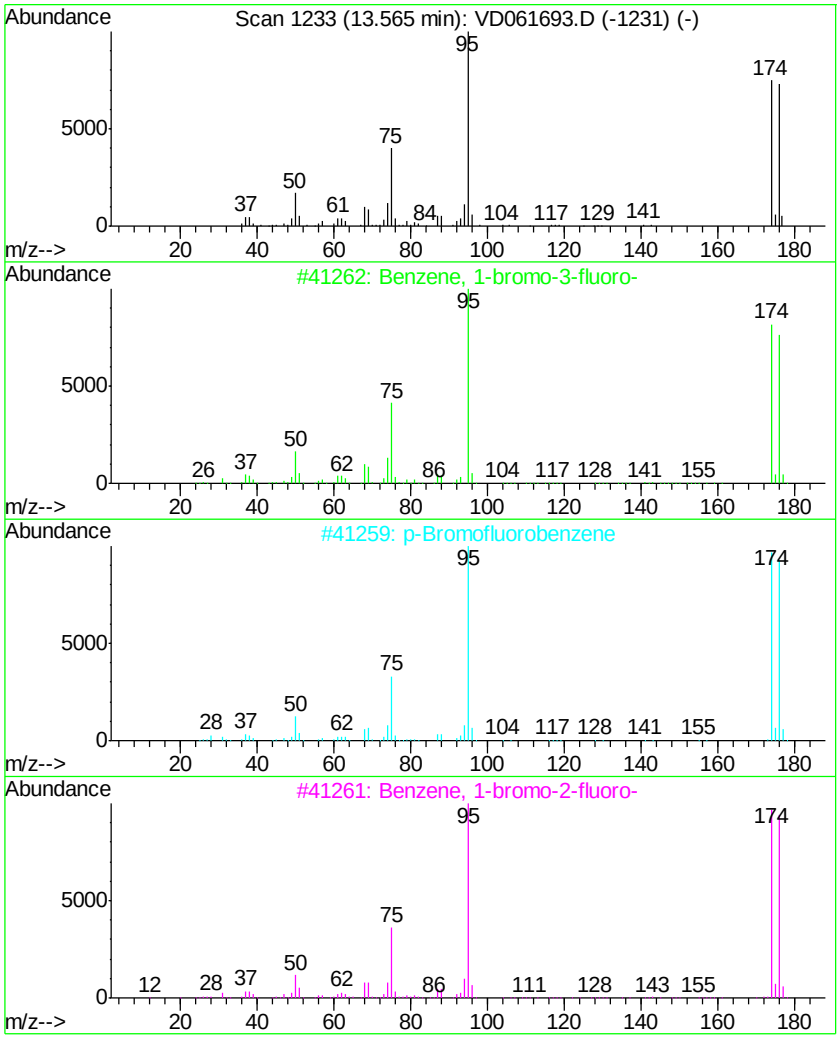
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

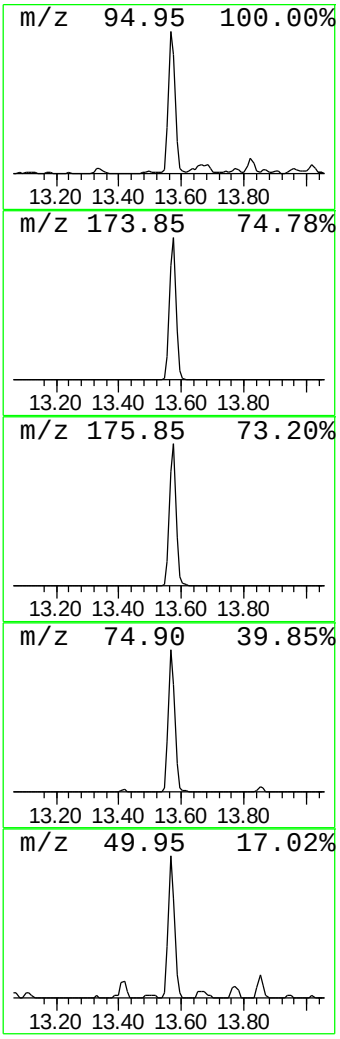
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	67.97 ug/l	879384	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	95
3	Benzene, 1-bromo-2-fluoro-	174	C6H4BrF	001072-85-1	94
4	Pyrazole, 3-(2-bromoethyl)-	174	C5H7BrN2	211738-72-6	45
5	2(1H)-Pyrimidinone, 5-bromo-	174	C4H3BrN2O	038353-06-9	38





Library Search Compound Report

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

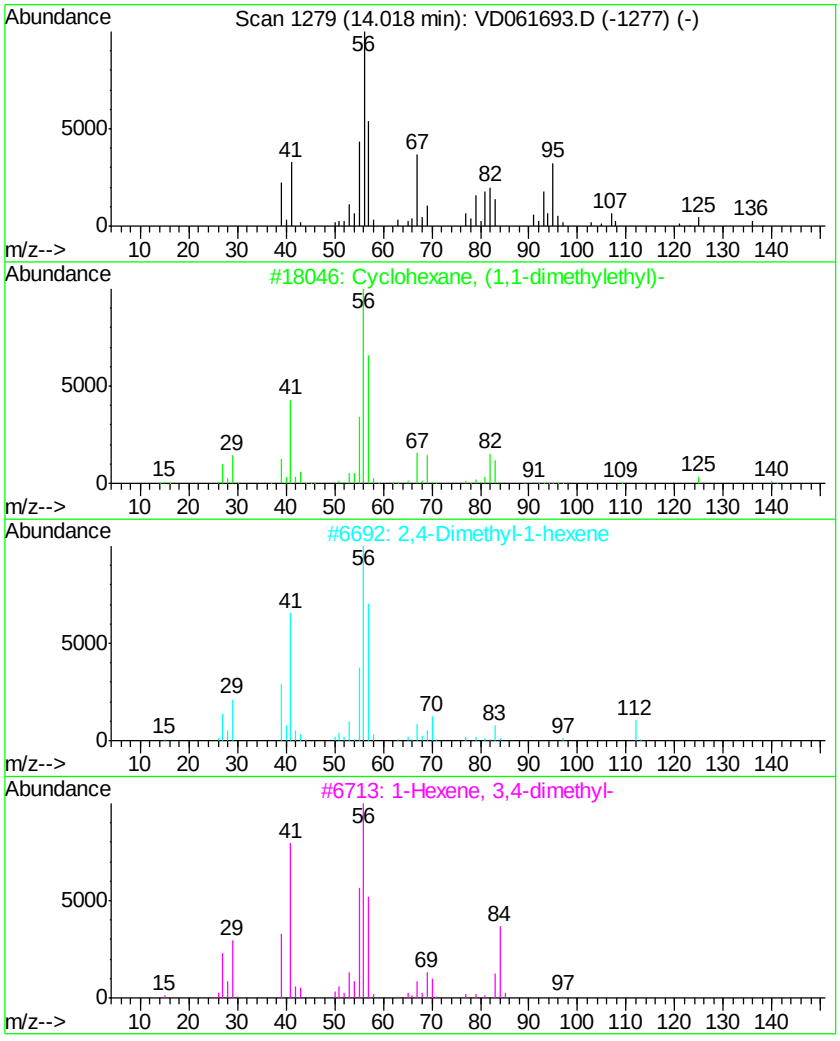
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

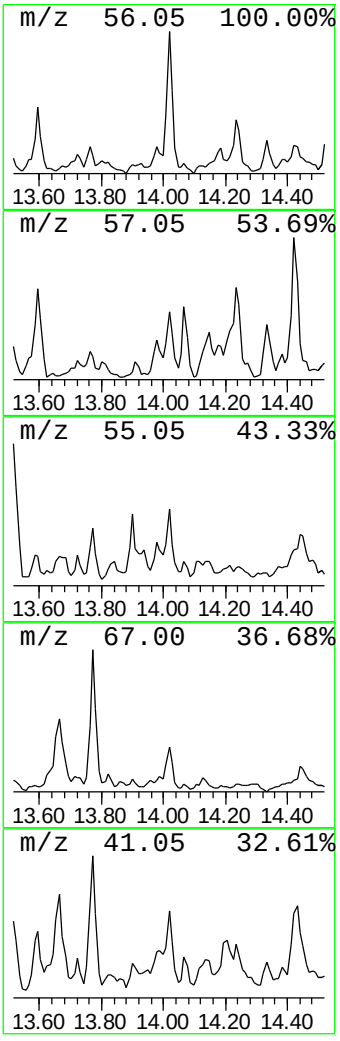
****

Peak Number 3 unknown14.02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	12.01 ug/l	155416	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1,1-dimethylethyl)-	140	C10H20	003178-22-1	47
2	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	37
3	1-Hexene, 3,4-dimethyl-	112	C8H16	016745-94-1	32
4	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	25
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	25





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

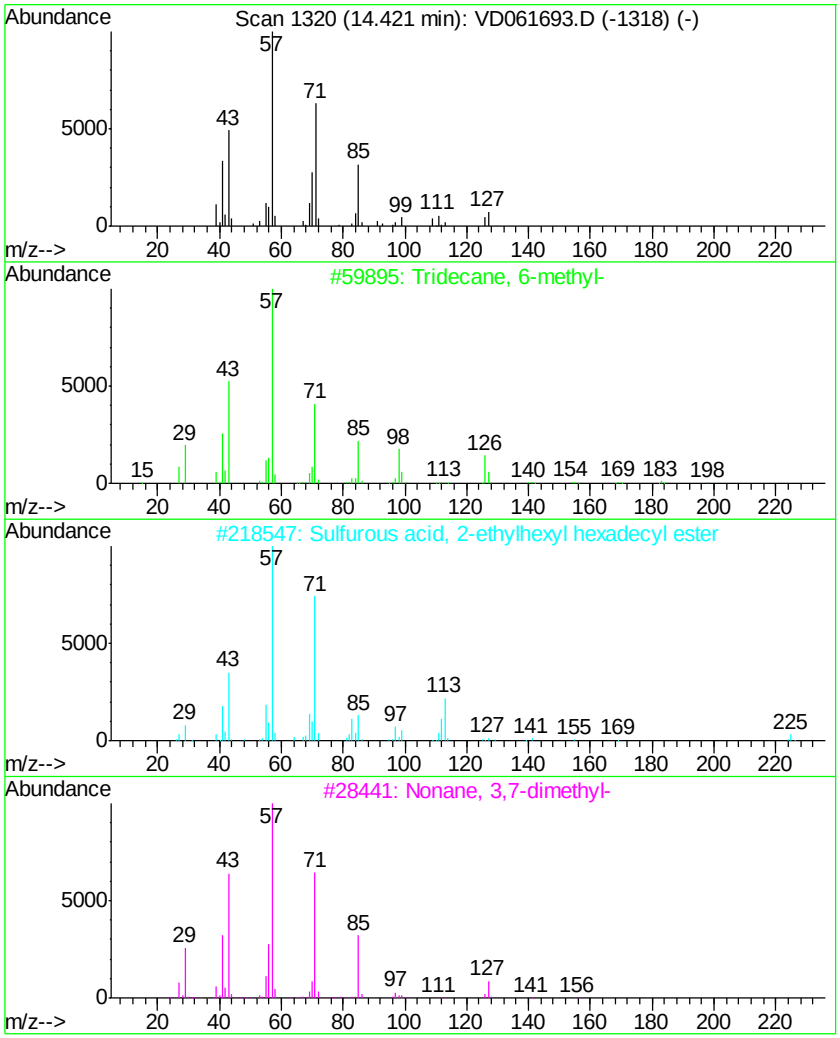
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

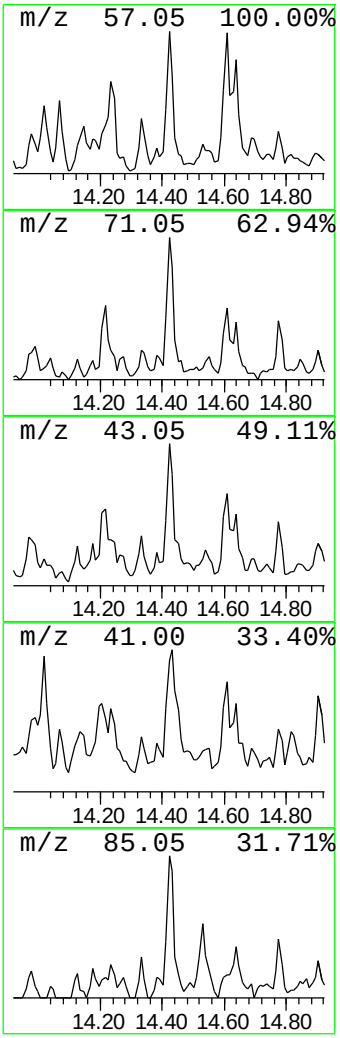
****

Peak Number 4 Tridecane, 6-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	18.95 ug/l	245165	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	59
2	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	53
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
5	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	52





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Instrument :
MSVOA_D
ClientSampleId :
20190178-AMND-COMP-CS-5

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

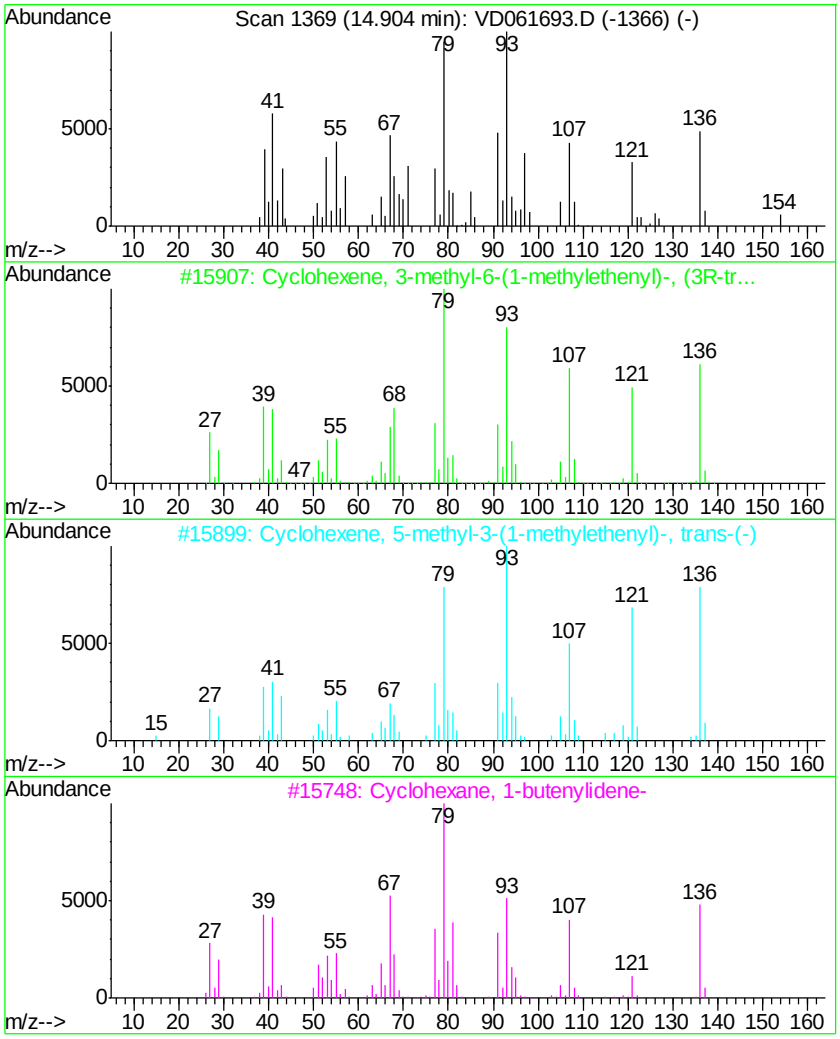
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

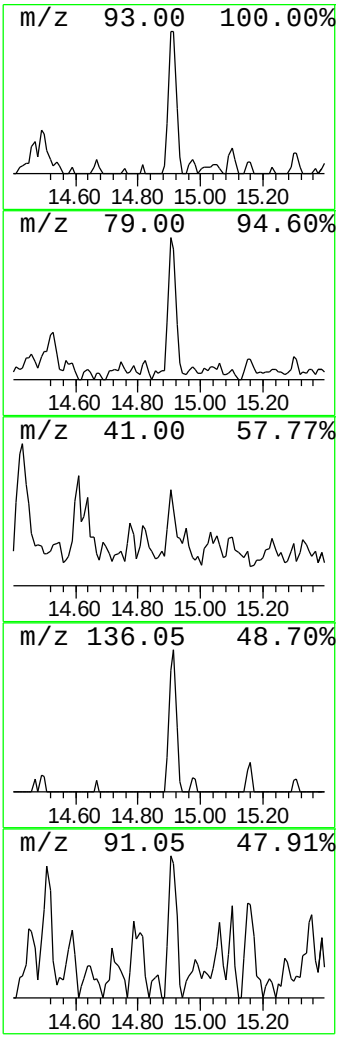
****

Peak Number 5 Cyclohexene, 3-methyl-6-(1-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	12.65 ug/l	163703	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	005113-87-1	91
2	Cyclohexene, 5-methyl-3-(1-methy...	136	C10H16	056816-08-1	89
3	Cyclohexane, 1-butenylidene-	136	C10H16	036144-40-8	70
4	Cyclohexene, 4-methyl-1-(1-methy...	136	C10H16	000586-67-4	70
5	p-Menth-1(7)-en-9-ol	154	C10H18O	029548-16-1	62





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Instrument : MSVOA_D
ClientSampleId : 20190178-AMND-COMP-CS-5

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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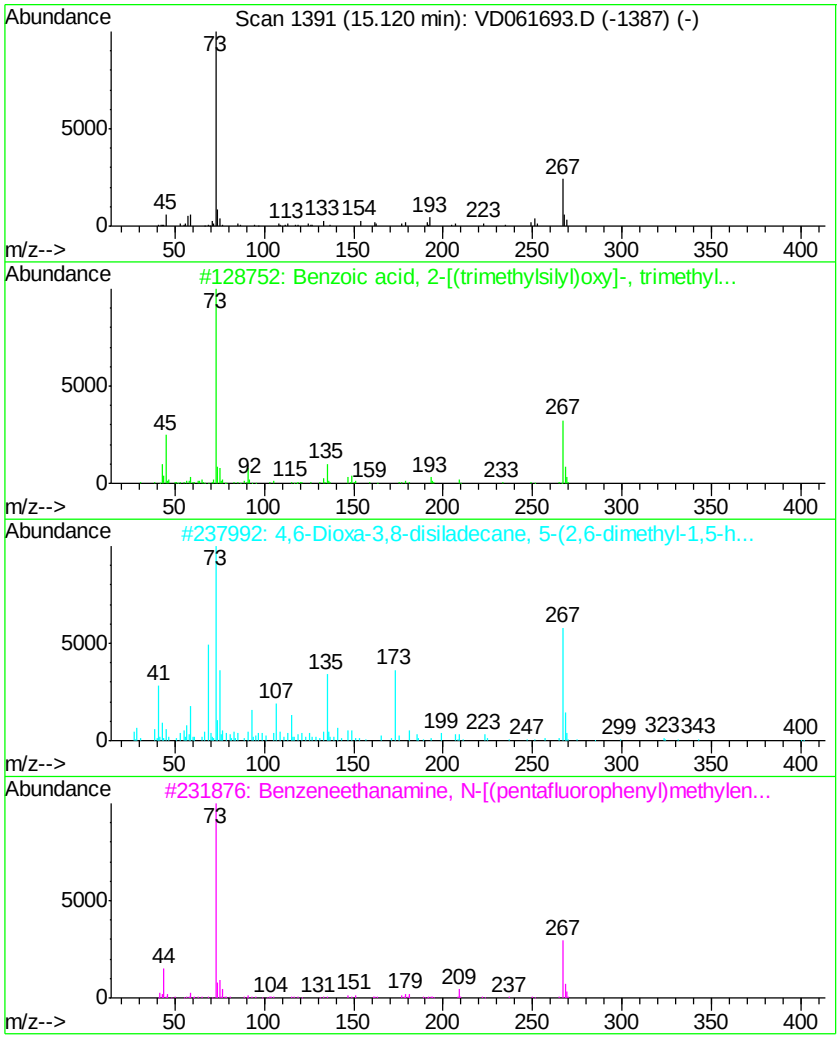
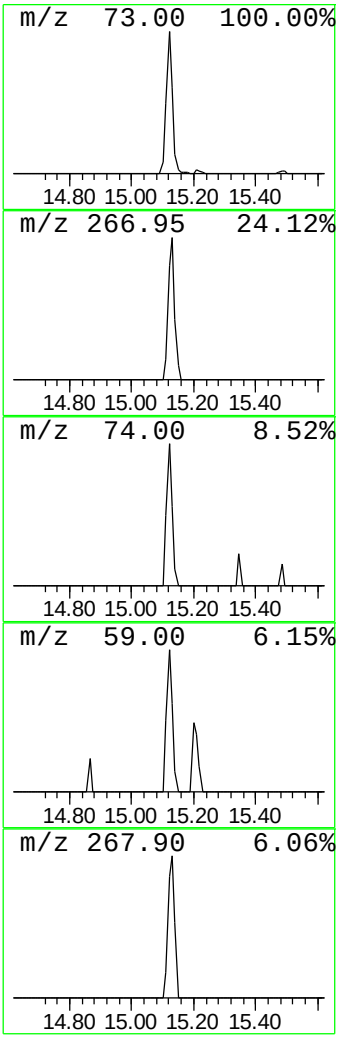
Peak Number 6 Benzoic acid, 2-[(trimethyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	12.52 ug/l	161987	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	59
2	4,6-Dioxa-3,8-disiladecane, 5-(2...	532	C32H60O2Si2	109629-49-4	36
3	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	36
4	Hydantoic acid	118	C3H6N2O3	000462-60-2	9
5	1-Propene-1-thiol	74	C3H6S	000925-89-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
Data File : VD061693.D
Acq On : 9 Apr 2019 23:44
Operator : VA/AP
Sample : K2316-10
Misc : 5.04g/5ml/MSVOA D/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190178-AMND-COMP-CS-5

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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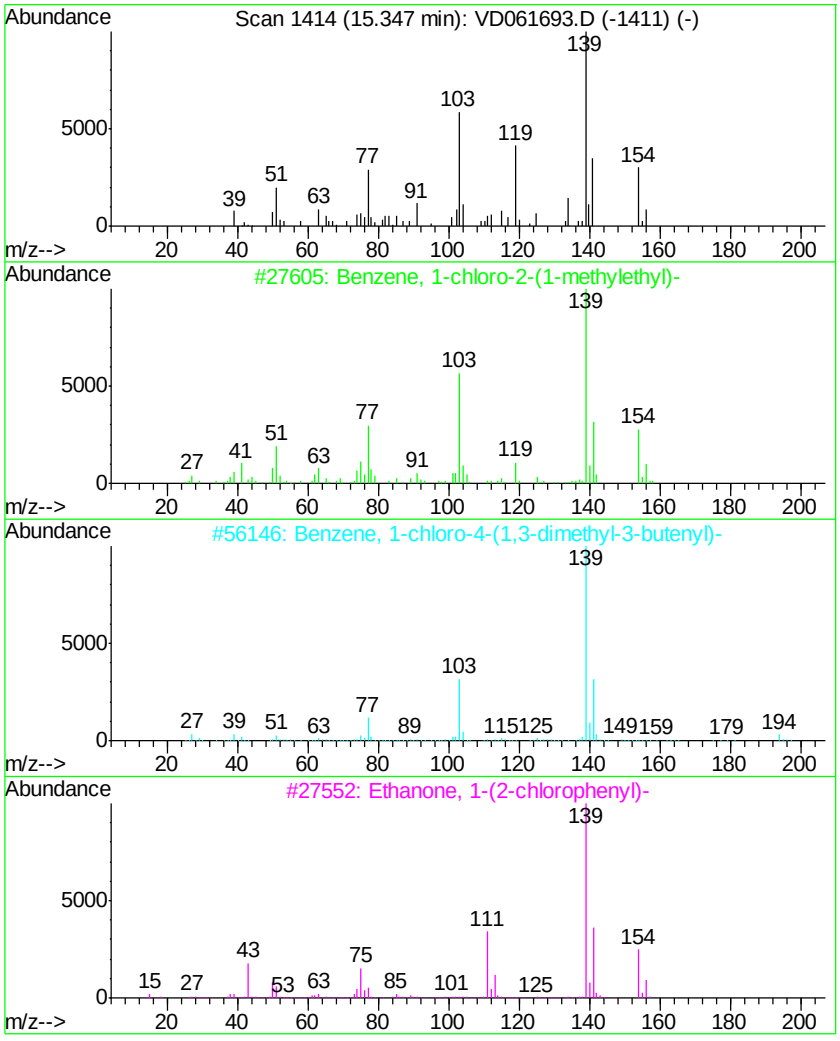
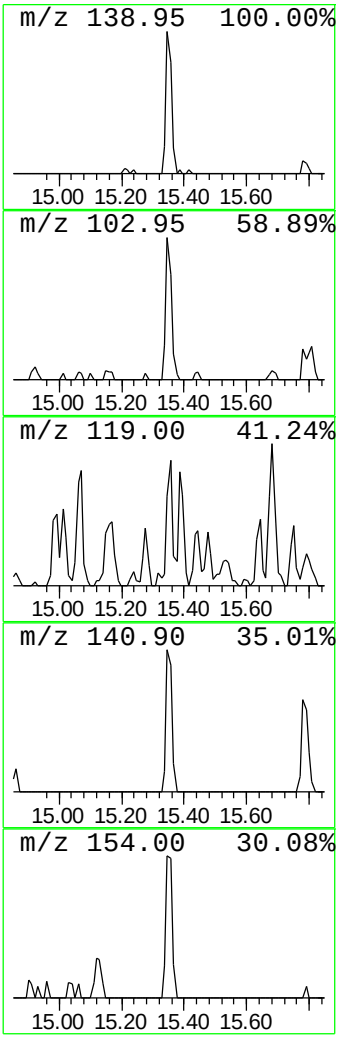
Peak Number 7 Benzene, 1-chloro-2-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.35	9.96 ug/l	128889	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-2-(1-methyleth...	154	C9H11Cl	002077-13-6	94
2	Benzene, 1-chloro-4-(1,3-dimethy...	194	C12H15Cl	074672-10-9	53
3	Ethanone, 1-(2-chlorophenyl)-	154	C8H7ClO	002142-68-9	49
4	Ethanone, 1-(4-chlorophenyl)-	154	C8H7ClO	000099-91-2	45
5	Acetophenone, 3'-chloro-	154	C8H7ClO	000099-02-5	43





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Data File : VD061693.D
Acq On : 9 Apr 2019 23:44
Operator : VA/AP
Sample : K2316-10
Misc : 5.04g/5ml/MSVOA D/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190178-AMND-COMP-CS-5

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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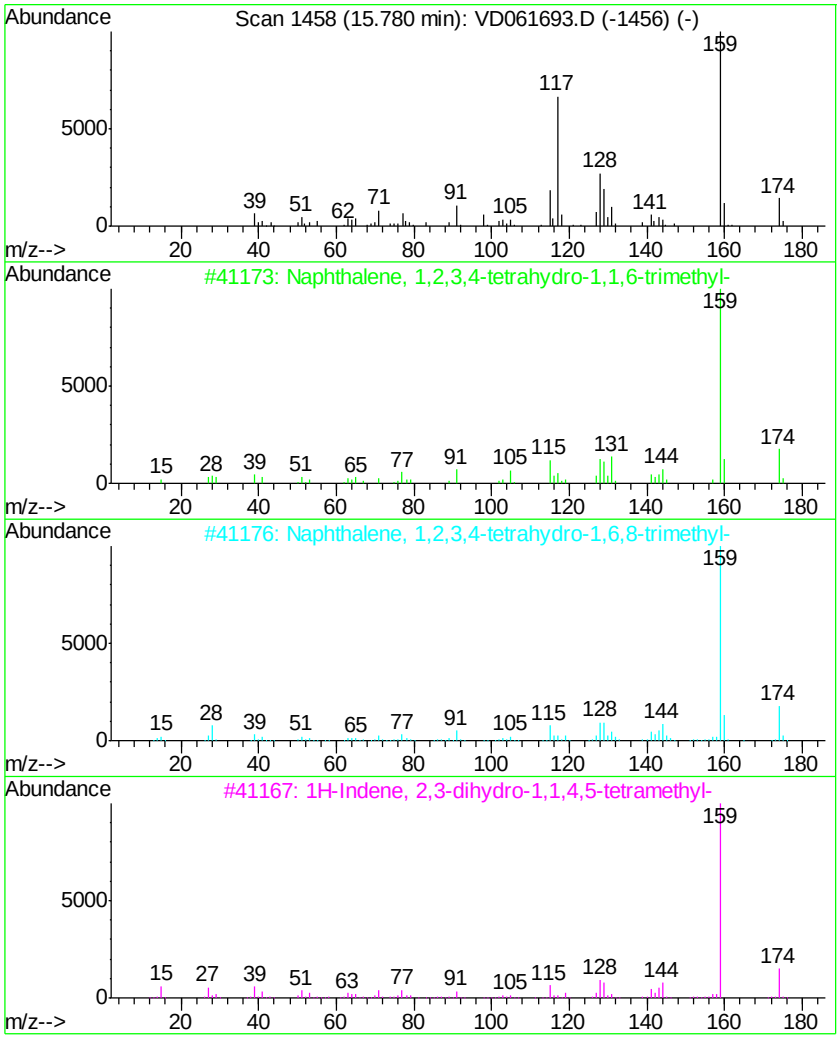
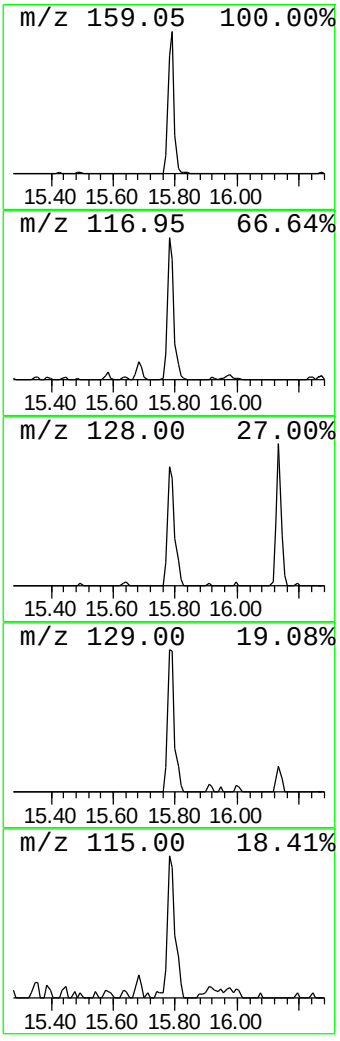
Peak Number 8 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	32.47 ug/l	420092	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	70
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	68
3	1H-Indene, 2,3-dihydro-1,1,4,5-t...	174	C13H18	016204-57-2	43
4	Silane, trimethyl(phenylethynyl)-	174	C11H14Si	002170-06-1	43
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-55-0	43





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Misc : 5.04g/5ml/MSVOA D/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 20190178-AMND-COMP-CS-5

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

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TIC Integration Parameters: LSCINT.P

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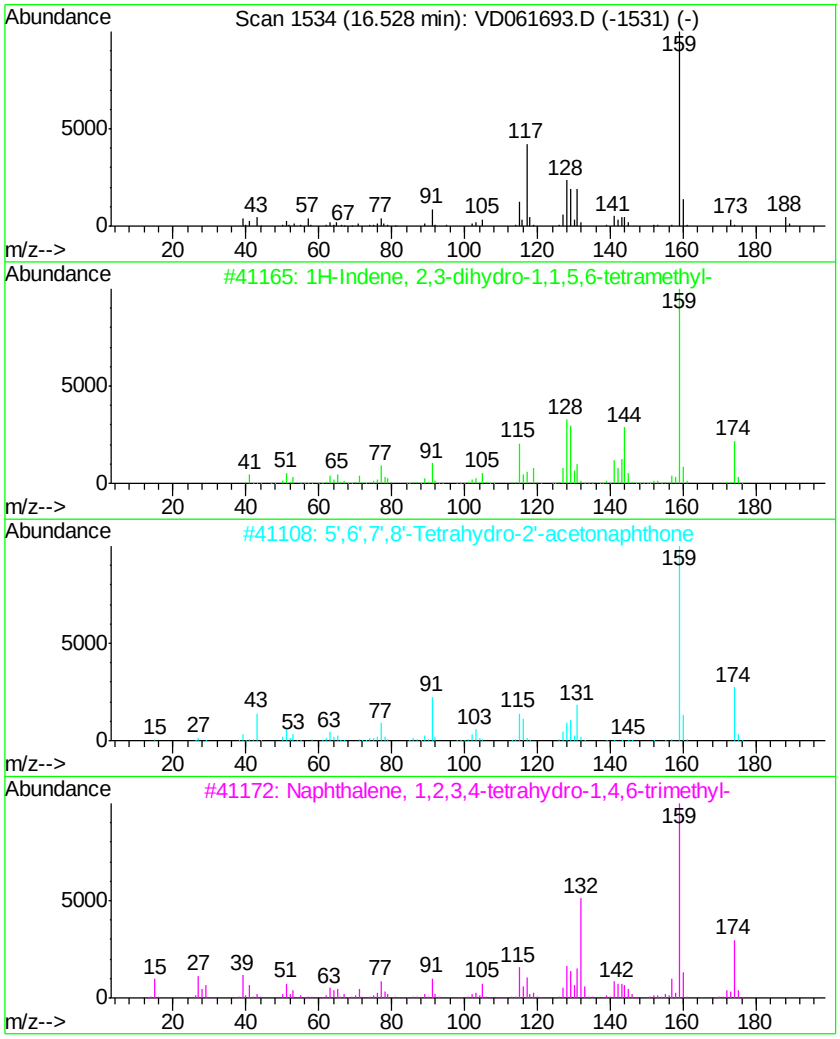
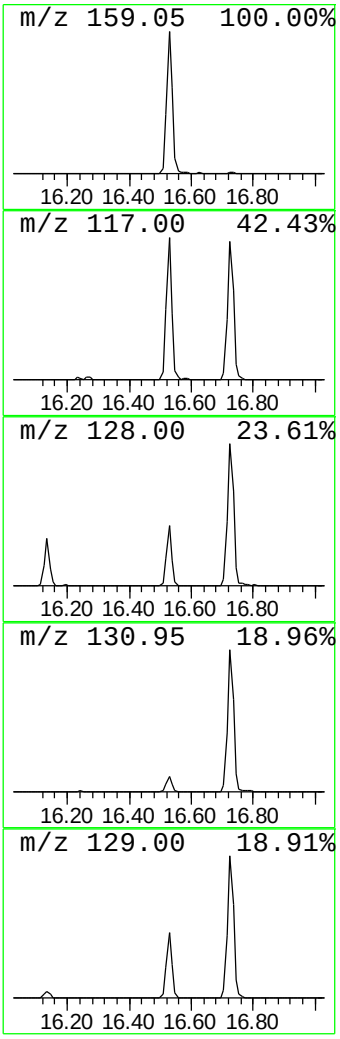
Peak Number 9 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.53	28.97 ug/l	374825	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5,6-t...	174	C13H18	000942-43-8	50
2	5',6',7',8'-Tetrahydro-2'-aceton...	174	C12H14O	000774-55-0	47
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	022824-32-4	45
4	2(1H)-Quinolinone, 1-methyl-	159	C10H9NO	000606-43-9	43
5	N-(5,6,7,8-Tetrahydro-2-naphthoy...	273	C15H15NO4	541527-98-4	43





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ALS Vial : 25 Sample Multiplier: 1

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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

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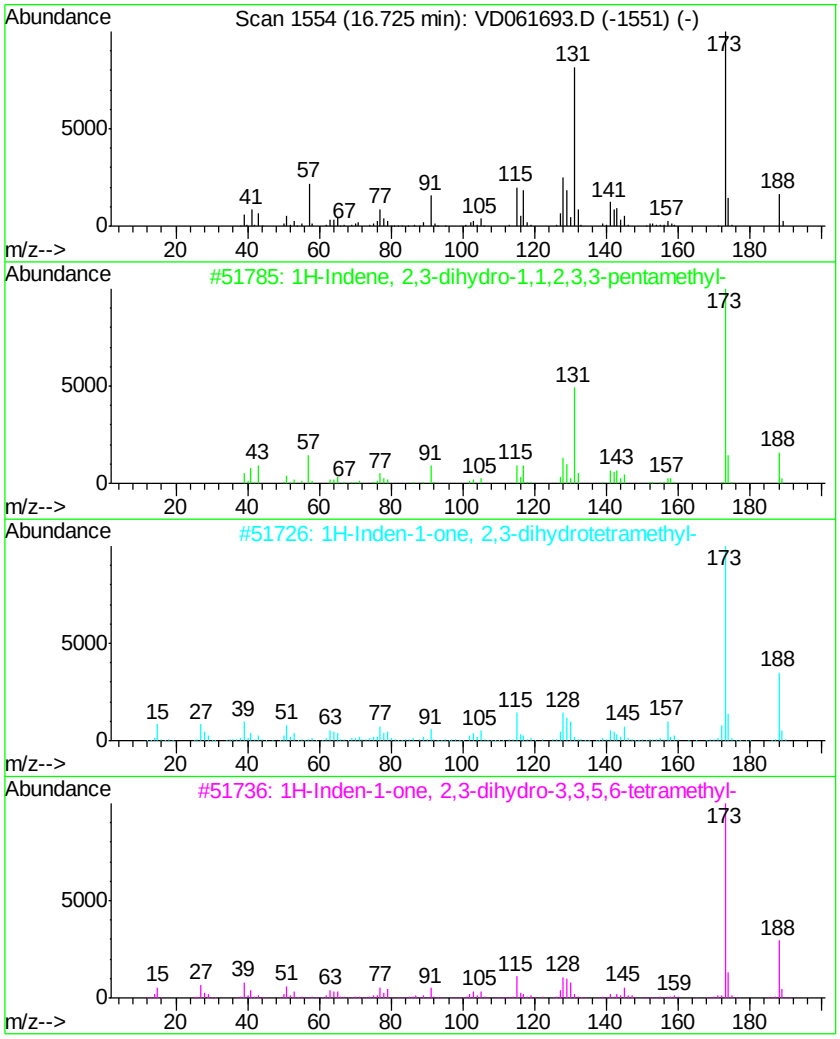
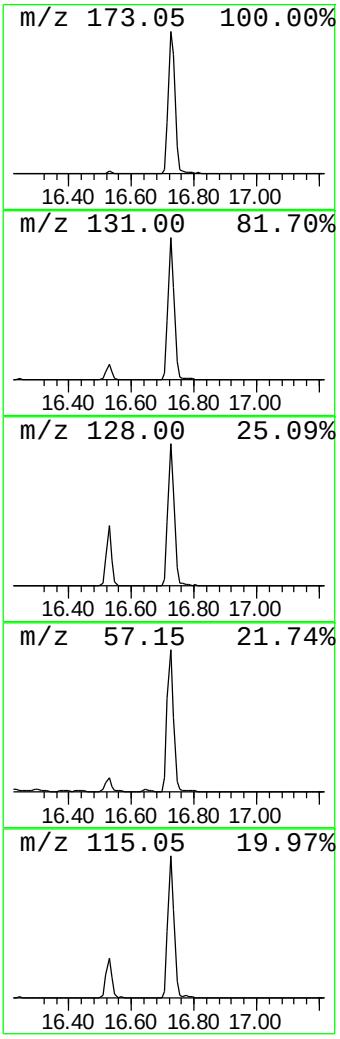
Peak Number 10 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	104.34 ug/l	1349940	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	53
3	1H-Inden-1-one, 2,3-dihydro-3,3,...	188	C13H16O	054789-22-9	43
4	1-Naphthol, 4-amino-2-methyl-	173	C11H11NO	000083-70-5	38
5	1,4,6,7-Tetramethyl1,2,3,4-tetra...	188	C14H20	1000113-61-3	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040919\
Data File : VD061693.D
Acq On : 9 Apr 2019 23:44
Operator : VA/AP
Sample : K2316-10
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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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Bicyclo[3.3.1]non...	13.52	29.5	ug/l	381981	4	14.53	646919	50.0
Benzene, 1-bromo-...	13.56	68.0	ug/l	879384	4	14.53	646919	50.0
unknown14.02	14.02	12.0	ug/l	155416	4	14.53	646919	50.0
Tridecane, 6-methyl-	14.42	18.9	ug/l	245165	4	14.53	646919	50.0
Cyclohexene, 3-me...	14.90	12.7	ug/l	163703	4	14.53	646919	50.0
Benzoic acid, 2-[...	15.12	12.5	ug/l	161987	4	14.53	646919	50.0
Benzene, 1-chloro...	15.35	10.0	ug/l	128889	4	14.53	646919	50.0
Naphthalene, 1,2,...	15.78	32.5	ug/l	420092	4	14.53	646919	50.0
1H-Indene, 2,3-di...	16.53	29.0	ug/l	374825	4	14.53	646919	50.0
1H-Indene, 2,3-di...	16.72	104.3	ug/l	1349940	4	14.53	646919	50.0