LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
Data File : VD061383.D
Acq On : 28 Mar 2019 7:20
Operator : VA/AP
Sample : K2107-03
Misc : 4.65g/5ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-2

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\82D032719S.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	1.706	27	29	33	rVB	3809	6395	7.56%	1.196%
2	2.228	81	82	85	rVB	967	1443	1.70%	0.270%
3	2.434	100	103	106	rVB	1314	2034	2.40%	0.380%
4	2.513	109	111	114	rBV2	1082	1710	2.02%	0.320%
5	2.798	135	140	141	rBV2	739	1661	1.96%	0.311%
6	3.015	159	162	164	rBV	997	1632	1.93%	0.305%
7	3.222	181	183	187	rVB2	1003	1473	1.74%	0.275%
8	3.488	209	210	214	rBV	735	1389	1.64%	0.260%
9	3.812	241	243	245	rBV	1858	2702	3.19%	0.505%
10	3.872	245	249	250	rVB	806	1682	1.99%	0.315%
11	3.901	250	252	255	rBV	1178	2245	2.65%	0.420%
12	4.334	294	296	300	rVB2	659	1426	1.68%	0.267%
13	4.413	300	304	306	rBV2	1247	2716	3.21%	0.508%
14	4.797	340	343	347	rBV2	606	1756	2.07%	0.328%
15	4.945	354	358	359	rBV	658	1431	1.69%	0.268%
16	5.161	376	380	381	rBV	721	1477	1.75%	0.276%
17	5.220	384	386	391	rVB2	857	1699	2.01%	0.318%
18	5.358	398	400	404	rVB	1304	1932	2.28%	0.361%
19	5.447	406	409	413	rBV2	697	1780	2.10%	0.333%
20	5.614	424	426	428	rBV	957	1473	1.74%	0.275%
21	5.732	436	438	441	rVB	967	1771	2.09%	0.331%
22	5.791	441	444	446	rVV	896	1921	2.27%	0.359%
23	5.860	449	451	456	rVB2	876	2228	2.63%	0.417%
24	5.988	463	464	467	rVB	934	1520	1.80%	0.284%
25	6.126	471	478	487	rVB3	4505	19084	22.55%	3.569%
26	6.293	494	495	498	rVB	895	1399	1.65%	0.262%
27	6.894	553	556	562	rBV2	8630	24923	29.45%	4.661%
28	7.032	565	570	576	rBV	9471	23780	28.10%	4.448%
29	7.189	585	586	591	rVB2	748	1631	1.93%	0.305%
30	7.268	591	594	596	rBV	1091	1774	2.10%	0.332%
31	7.337	599	601	603	rBV2	857	1482	1.75%	0.277%
32	7.425	605	610	614	rVV3	9764	22580	26.68%	4.223%
33	7.563	620	624	626	rBV2	868	2239	2.65%	0.419%
34	7.711	637	639	642	rVB	881	1520	1.80%	0.284%

LSC Area Percent Report

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Operator : VA/AP
Sample : K2107-03
Misc : 4.65g/5ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-2

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\82D032719S.M
Title : SW846 8260

35	7.799	642	648	649	rBV2	829	2122	2.51%	0.397%
36	7.858	651	654	657	rVB	1018	2076	2.45%	0.388%
37	8.046	668	673	674	rBV	958	2426	2.87%	0.454%
38	8.203	683	689	695	rVB	16625	39951	47.20%	7.472%
39	8.794	745	749	750	rBV	702	1525	1.80%	0.285%
40	8.941	761	764	765	rVB2	1115	1437	1.70%	0.269%
41	9.207	788	791	796	rBV	794	1916	2.26%	0.358%
42	9.325	800	803	805	rBV	1103	1874	2.21%	0.350%
43	9.522	822	823	826	rVB	1006	1624	1.92%	0.304%
44	9.562	826	827	829	rBV	1037	1526	1.80%	0.285%
45	10.152	884	887	890	rBV2	903	1987	2.35%	0.372%
46	10.290	898	901	903	rVB2	783	1554	1.84%	0.291%
47	10.339	903	906	907	rVV	778	1533	1.81%	0.287%
48	10.388	907	911	920	rVB	19078	43657	51.58%	8.165%
49	10.595	931	932	936	rVB	927	1510	1.78%	0.282%
50	10.989	970	972	975	rVB	1123	1560	1.84%	0.292%
51	11.048	975	978	980	rBV	781	1728	2.04%	0.323%
52	11.137	985	987	989	rVB	912	1369	1.62%	0.256%
53	11.206	989	994	1001	rBV2	6627	21277	25.14%	3.979%
54	11.294	1001	1003	1005	rVB	1192	1756	2.07%	0.328%
55	11.550	1026	1029	1032	rVB	1055	1983	2.34%	0.371%
56	11.649	1035	1039	1040	rBV	776	1909	2.26%	0.357%
57	11.806	1051	1055	1056	rBV2	1085	2267	2.68%	0.424%
58	12.121	1086	1087	1091	rVB2	836	1395	1.65%	0.261%
59	12.347	1106	1110	1114	rBV	50696	78325	92.54%	14.649%
60	12.535	1126	1129	1132	rVB2	838	1533	1.81%	0.287%
61	12.653	1137	1141	1143	rVB2	1156	2552	3.02%	0.477%
62	12.702	1143	1146	1147	rBV	776	1440	1.70%	0.269%
63	13.037	1176	1180	1183	rBV	668	1660	1.96%	0.310%
64	13.411	1216	1218	1220	rVB2	937	1482	1.75%	0.277%
65	13.440	1220	1221	1224	rBV2	1124	1391	1.64%	0.260%
66	13.539	1228	1231	1235	rVV	32248	41878	49.48%	7.832%
67	13.706	1242	1248	1250	rBV2	1339	2357	2.78%	0.441%
68	13.765	1252	1254	1257	rVB	716	1559	1.84%	0.292%
69	13.824	1257	1260	1263	rBV2	1099	2834	3.35%	0.530%
70	14.100	1286	1288	1290	rVB2	1108	1545	1.83%	0.289%
71	14.149	1290	1293	1295	rBV	1017	2202	2.60%	0.412%

LSC Area Percent Report

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Acq On : 28 Mar 2019 7:20
Operator : VA/AP
Sample : K2107-03
Misc : 4.65g/5ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-2

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\82D032719S.M
Title : SW846 8260

72	14.503	1326	1329	1332	rBV	70979	84639	100.00%	15.830%
73	14.651	1340	1344	1345	rBV	820	1688	1.99%	0.316%
74	14.690	1345	1348	1351	rVV2	863	2089	2.47%	0.391%
75	15.271	1404	1407	1408	rBV	932	1500	1.77%	0.281%
76	15.606	1439	1441	1444	rVB	1139	1355	1.60%	0.253%
77	15.783	1458	1459	1463	rBV	680	1447	1.71%	0.271%
78	15.941	1473	1475	1477	rVB	1151	1503	1.78%	0.281%
79	16.118	1490	1493	1496	rVB2	1161	2102	2.48%	0.393%
80	17.142	1595	1597	1601	rVB2	730	1380	1.63%	0.258%
81	18.185	1701	1703	1709	rVB2	711	2122	2.51%	0.397%
82	18.303	1709	1715	1716	rBV2	1027	2848	3.36%	0.533%
83	18.687	1749	1754	1756	rBV2	472	1370	1.62%	0.256%

Sum of corrected areas: 534671

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
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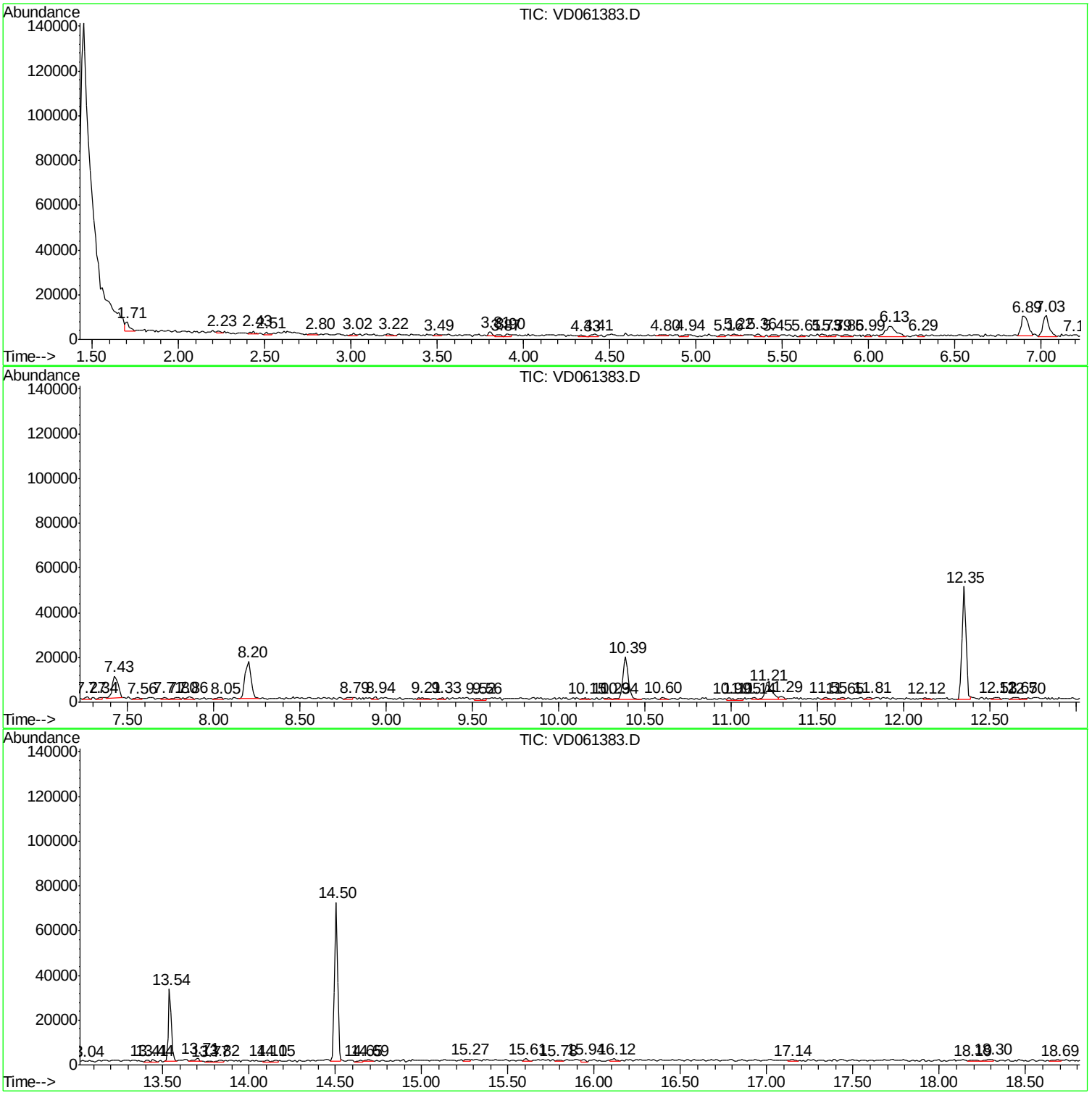
Acq On : 28 Mar 2019 7:20
Operator : VA/AP
Sample : K2107-03
Misc : 4.65g/5ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.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\VD032719\
Data File : VD061383.D
Acq On : 28 Mar 2019 7:20
Operator : VA/AP
Sample : K2107-03
Misc : 4.65g/5ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

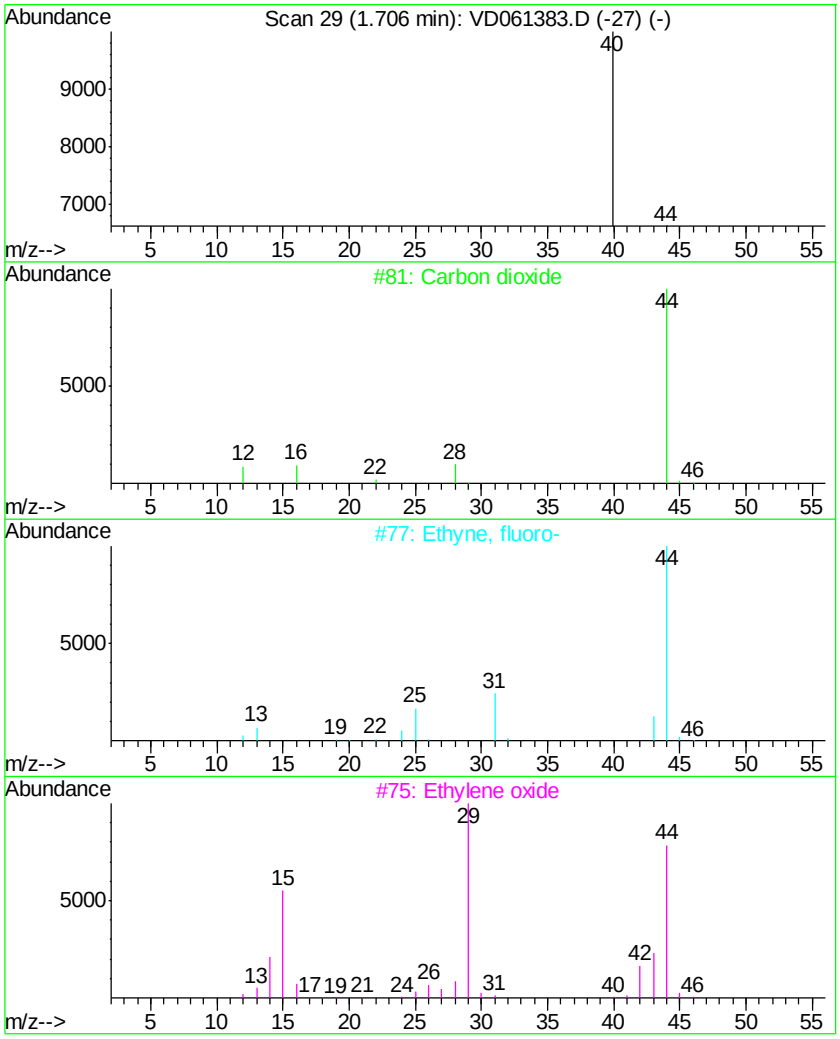
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

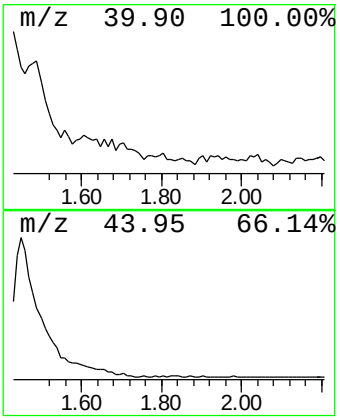
****

Peak Number 1 unknown1.71 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.71	13.45 ug/l	6395	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	2
2	Ethyne, fluoro-	44	C2HF	002713-09-9	2
3	Ethylene oxide	44	C2H4O	000075-21-8	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Nitrous oxide	44	N2O	010024-97-2	2





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
Data File : VD061383.D
Acq On : 28 Mar 2019 7:20
Operator : VA/AP
Sample : K2107-03
Misc : 4.65g/5ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

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

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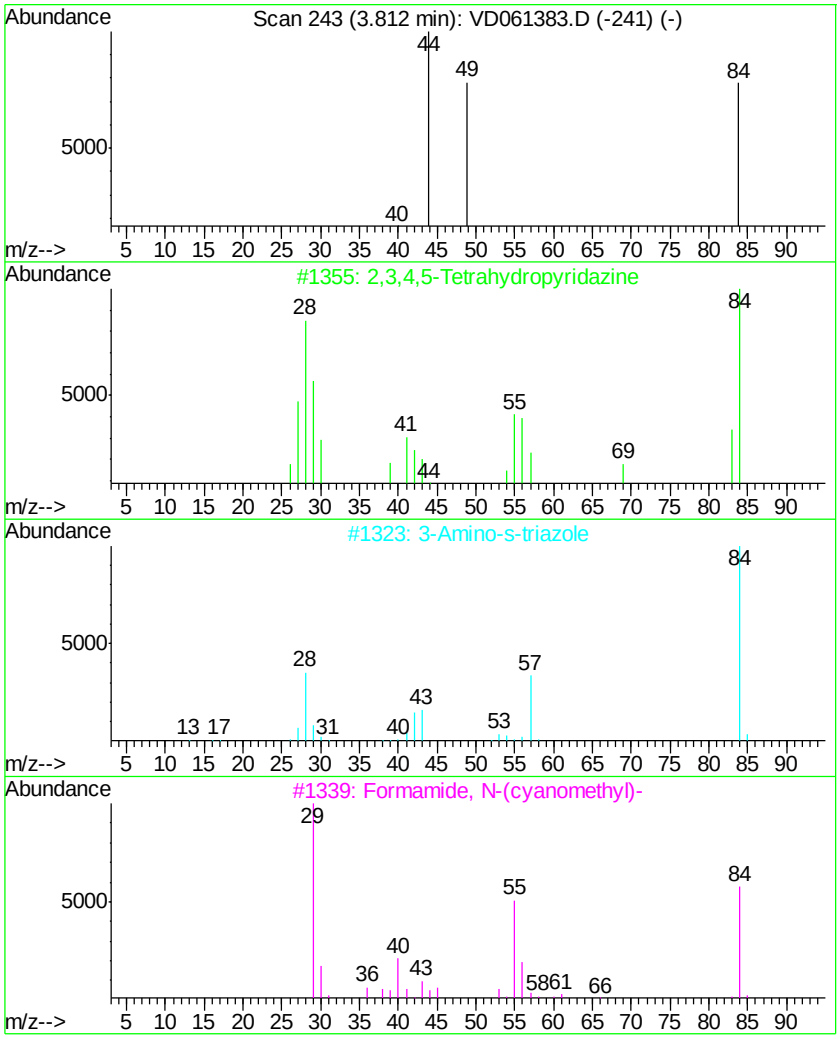
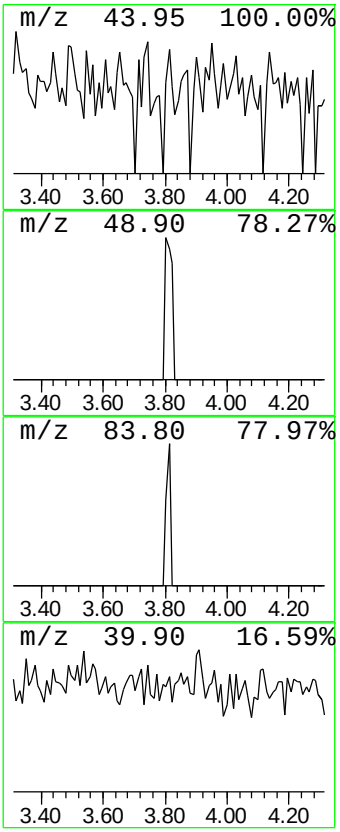
Peak Number 2 unknown3.81 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.81	5.68 ug/l	2702	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	2
2	3-Amino-s-triazole	84	C2H4N4	000061-82-5	2
3	Formamide, N-(cyanomethyl)-	84	C3H4N2O	005018-27-9	2
4	4-Pentenal	84	C5H8O	002100-17-6	1
5	Acetamide, 2-cyano-	84	C3H4N2O	000107-91-5	1





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
Data File : VD061383.D
Acq On : 28 Mar 2019 7:20
Operator : VA/AP
Sample : K2107-03
Misc : 4.65g/5ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

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

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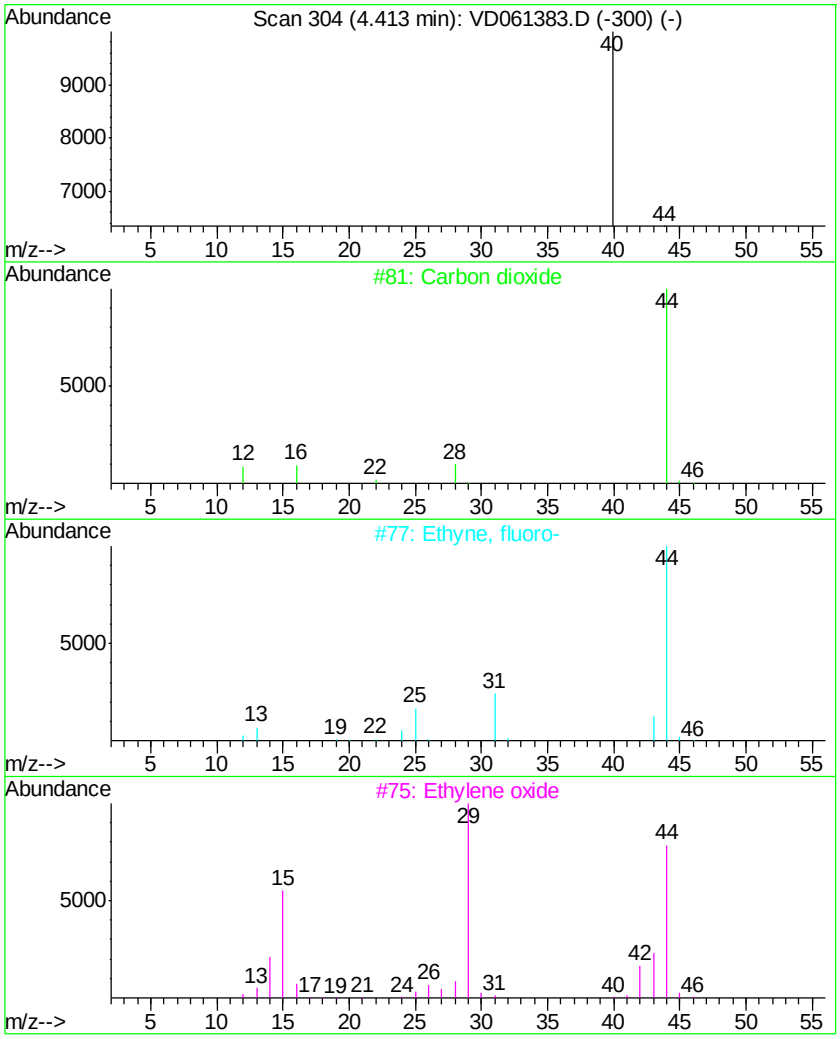
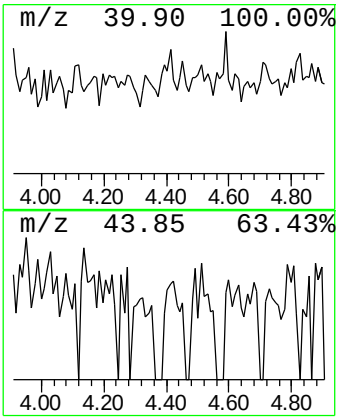
Peak Number 3 unknown4.41 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	5.71 ug/l	2716	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	2
2	Ethyne, fluoro-	44	C2HF	002713-09-9	2
3	Ethylene oxide	44	C2H4O	000075-21-8	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Nitrous oxide	44	N2O	010024-97-2	2





Library Search Compound Report

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Data File : VD061383.D
Acq On : 28 Mar 2019 7:20
Operator : VA/AP
Sample : K2107-03
Misc : 4.65g/5ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

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

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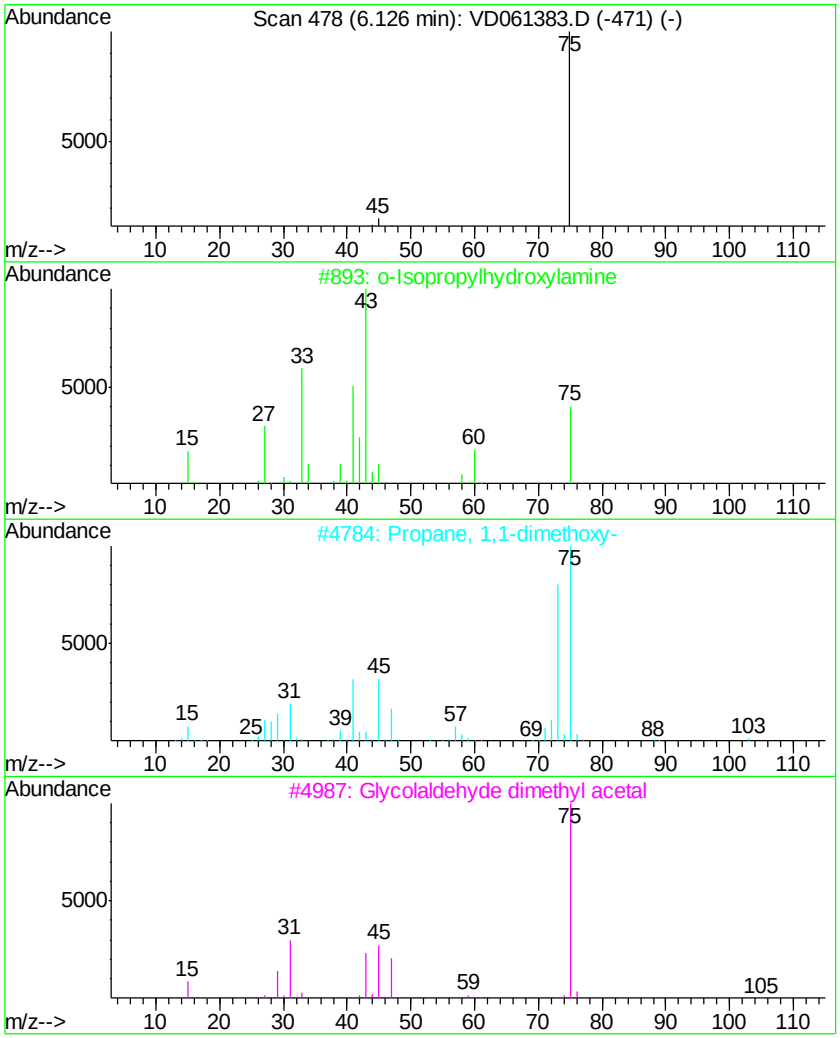
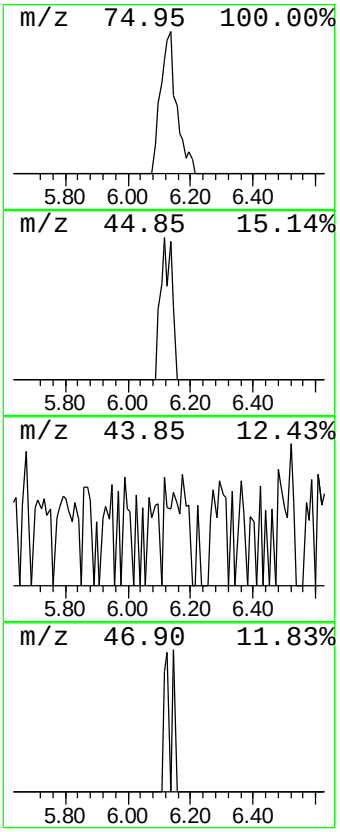
Peak Number 4 unknown6.13 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.13	40.13 ug/l	19084	Pentafluorobenzene	7.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Isopropylhydroxylamine	75	C3H9NO	1000322-42-6	3
2	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	2
3	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	1
4	N-Formylglycine	103	C3H5NO3	002491-15-8	1
5	Carbamic acid, methyl ester	75	C2H5NO2	000598-55-0	1





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Data File : VD061383.D
Acq On : 28 Mar 2019 7:20
Operator : VA/AP
Sample : K2107-03
Misc : 4.65g/5ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

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

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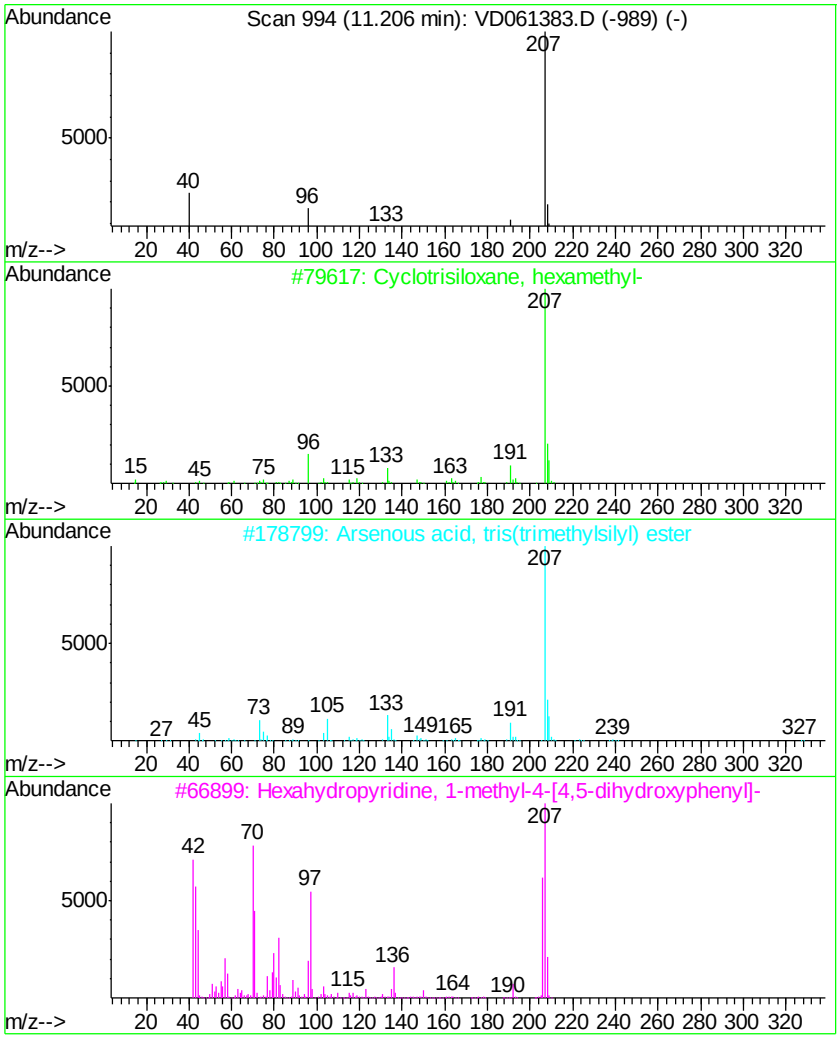
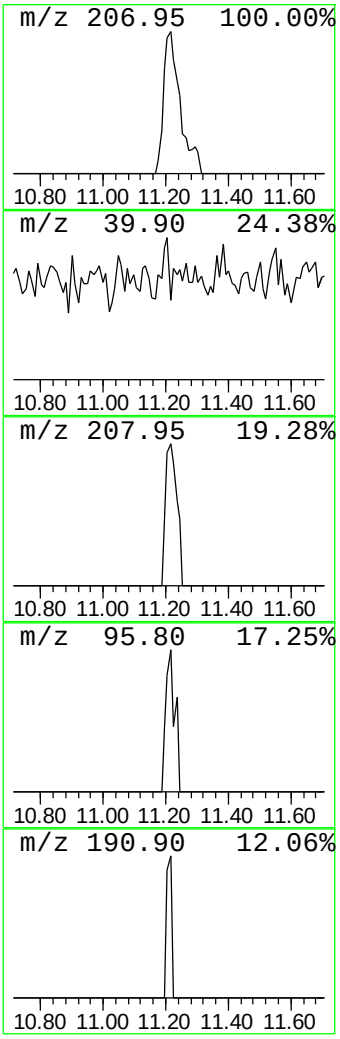
Peak Number 5 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	13.58 ug/l	21277	Chlorobenzene-d5	12.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	83
2	Arsenous acid, tris(trimethylsil...	342	C9H27AsO3Si3	055429-29-3	74
3	Hexahydropyridine, 1-methyl-4-[4...	207	C12H17NO2	094427-47-1	9
4	Indole-2-one, 2,3-dihydro-N-hydr...	207	C11H13NO3	1000129-52-1	9
5	N-(2-Acetylcyclopentylidene)cycl...	207	C13H21NO	1000100-48-5	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
Data File : VD061383.D
Acq On : 28 Mar 2019 7:20
Operator : VA/AP
Sample : K2107-03
Misc : 4.65g/5ml/MSVOA_D/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TP-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.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
unknown1.71	1.71	13.4	ug/l	6395	1	7.03	23780	50.0
unknown3.81	3.81	5.7	ug/l	2702	1	7.03	23780	50.0
unknown4.41	4.41	5.7	ug/l	2716	1	7.03	23780	50.0
unknown6.13	6.13	40.1	ug/l	19084	1	7.03	23780	50.0
Cyclotrisiloxane,...	11.21	13.6	ug/l	21277	3	12.35	78325	50.0