LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
Data File : VF060631.D
Acq On : 7 Nov 2018 16:16
Operator : VA/AP
Sample : J5819-07
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

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_F\METHODS\82F110218S.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	1.136	45	51	52	rVV4	3702	10465	1.63%	0.234%
2	1.324	66	70	73	rBV5	5357	14139	2.20%	0.316%
3	1.442	78	82	83	rBV3	3491	6664	1.04%	0.149%
4	1.945	130	133	136	rBV4	3364	7254	1.13%	0.162%
5	2.123	149	151	153	rVV3	3970	7092	1.10%	0.159%
6	2.192	155	158	161	rVV2	15873	38574	6.00%	0.863%
7	2.241	161	163	168	rVV	16775	44172	6.87%	0.988%
8	2.300	168	169	172	rVV3	7497	13296	2.07%	0.297%
9	2.379	176	177	184	rVB4	8330	18554	2.88%	0.415%
10	3.898	324	331	335	rBV8	4693	18477	2.87%	0.413%
11	3.997	335	341	346	rVV	23053	83713	13.02%	1.872%
12	4.115	346	353	362	rVB2	62197	204121	31.74%	4.564%
13	4.342	372	376	380	rVV3	5417	15168	2.36%	0.339%
14	4.875	420	430	438	rBV2	181414	614994	95.63%	13.752%
15	4.973	438	440	445	rVB6	3917	8123	1.26%	0.182%
16	5.605	498	504	514	rBV	182514	497692	77.39%	11.129%
17	5.743	514	518	524	rVB5	4490	15790	2.46%	0.353%
18	5.960	535	540	545	rBV6	6946	22691	3.53%	0.507%
19	6.206	557	565	568	rBV6	8696	28907	4.49%	0.646%
20	6.285	570	573	578	rVB5	5561	14553	2.26%	0.325%
21	6.562	598	601	608	rVB4	5515	14941	2.32%	0.334%
22	6.690	608	614	618	rBV8	9004	31704	4.93%	0.709%
23	7.065	645	652	659	rBV5	8897	36788	5.72%	0.823%
24	7.301	669	676	681	rBV3	17862	56236	8.74%	1.257%
25	7.380	681	684	688	rVB5	8071	19252	2.99%	0.430%
26	7.558	693	702	710	rBV	233531	643123	100.00%	14.381%
27	7.765	718	723	731	rVB5	10486	32368	5.03%	0.724%
28	7.923	731	739	744	rBV10	7186	21527	3.35%	0.481%
29	8.012	744	748	753	rBV6	2983	8749	1.36%	0.196%
30	8.110	753	758	759	rBV4	3932	9987	1.55%	0.223%
31	8.288	773	776	781	rVB4	8113	16381	2.55%	0.366%
32	8.396	781	787	789	rBV6	9974	26997	4.20%	0.604%
33	8.633	802	811	816	rBV	86852	244319	37.99%	5.463%
34	8.761	820	824	828	rVV6	4536	13865	2.16%	0.310%

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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

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
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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Title : SW846 8260

35	8.840	828	832	840	rVB3	17668	52722	8.20%	1.179%
36	8.968	840	845	851	rBV3	16917	46454	7.22%	1.039%
37	9.047	851	853	855	rBV2	4543	6530	1.02%	0.146%
38	9.225	867	871	872	rBV3	5981	11557	1.80%	0.258%
39	9.373	881	886	888	rBV3	4456	9930	1.54%	0.222%
40	9.432	889	892	894	rVB3	6022	10472	1.63%	0.234%
41	9.550	900	904	908	rVV6	8906	23522	3.66%	0.526%
42	9.620	908	911	915	rVB5	4305	12167	1.89%	0.272%
43	9.787	921	928	939	rVB	170830	449281	69.86%	10.046%
44	9.975	945	947	953	rVB7	5408	14189	2.21%	0.317%
45	10.103	953	960	962	rBV2	16473	33822	5.26%	0.756%
46	10.132	962	963	965	rVV	57228	37321	5.80%	0.835%
47	10.241	969	974	982	rVB3	24188	81433	12.66%	1.821%
48	10.369	982	987	993	rBV5	6646	21349	3.32%	0.477%
49	10.468	993	997	999	rBV4	5254	12004	1.87%	0.268%
50	10.527	999	1003	1009	rVB4	23250	51832	8.06%	1.159%
51	10.685	1011	1019	1026	rBV10	8458	38819	6.04%	0.868%
52	10.783	1026	1029	1030	rBV3	6407	10109	1.57%	0.226%
53	10.951	1042	1046	1052	rBV6	6787	18977	2.95%	0.424%
54	11.060	1054	1057	1062	rVB6	8008	16702	2.60%	0.373%
55	11.198	1068	1071	1074	rBV4	6048	10731	1.67%	0.240%
56	11.277	1074	1079	1084	rVB	39491	74520	11.59%	1.666%
57	11.415	1087	1093	1098	rBV	87519	178478	27.75%	3.991%
58	11.513	1102	1103	1105	rVV2	7103	8869	1.38%	0.198%
59	11.553	1105	1107	1110	rVV4	6907	12233	1.90%	0.274%
60	11.681	1117	1120	1123	rVV4	4201	9047	1.41%	0.202%
61	11.740	1123	1126	1128	rVV4	5316	10142	1.58%	0.227%
62	11.819	1131	1134	1141	rVB4	9476	18809	2.92%	0.421%
63	12.017	1152	1154	1160	rVB7	4790	9444	1.47%	0.211%
64	12.273	1177	1180	1183	rBV5	4815	12559	1.95%	0.281%
65	12.332	1183	1186	1187	rVV3	12019	19859	3.09%	0.444%
66	12.362	1187	1189	1192	rVV2	9964	15632	2.43%	0.350%
67	12.431	1192	1196	1197	rVV4	9951	16948	2.64%	0.379%
68	12.460	1197	1199	1204	rVV6	8738	19057	2.96%	0.426%
69	12.559	1204	1209	1213	rVV	100698	162099	25.20%	3.625%
70	12.707	1221	1224	1230	rVB7	8764	16942	2.63%	0.379%
71	12.845	1233	1238	1239	rVV5	3926	8641	1.34%	0.193%

LSC Area Percent Report

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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

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_F\METHODS\82F110218S.M
Title : SW846 8260

72	12.875	1239	1241	1244	rVB3	5386	8179	1.27%	0.183%
73	13.072	1258	1261	1268	rBV7	9277	22835	3.55%	0.511%
74	13.575	1310	1312	1316	rVB4	3368	6723	1.05%	0.150%
75	15.489	1502	1506	1508	rBV	3891	10441	1.62%	0.233%

Sum of corrected areas: 4472056

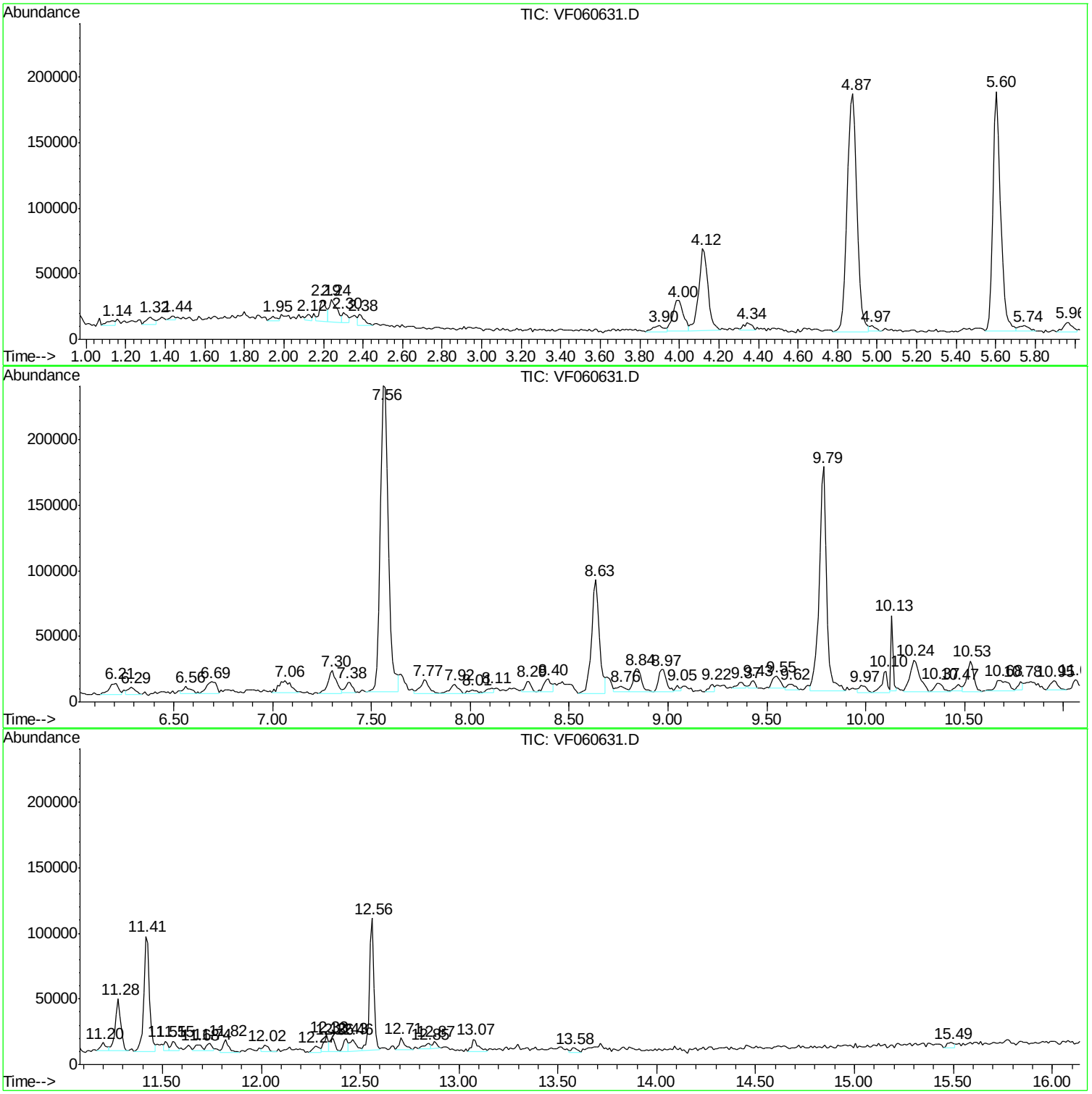
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
Data File : VF060631.D
Acq On : 7 Nov 2018 16:16
Operator : VA/AP
Sample : J5819-07
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
Data File : VF060631.D
Acq On : 7 Nov 2018 16:16
Operator : VA/AP
Sample : J5819-07
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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

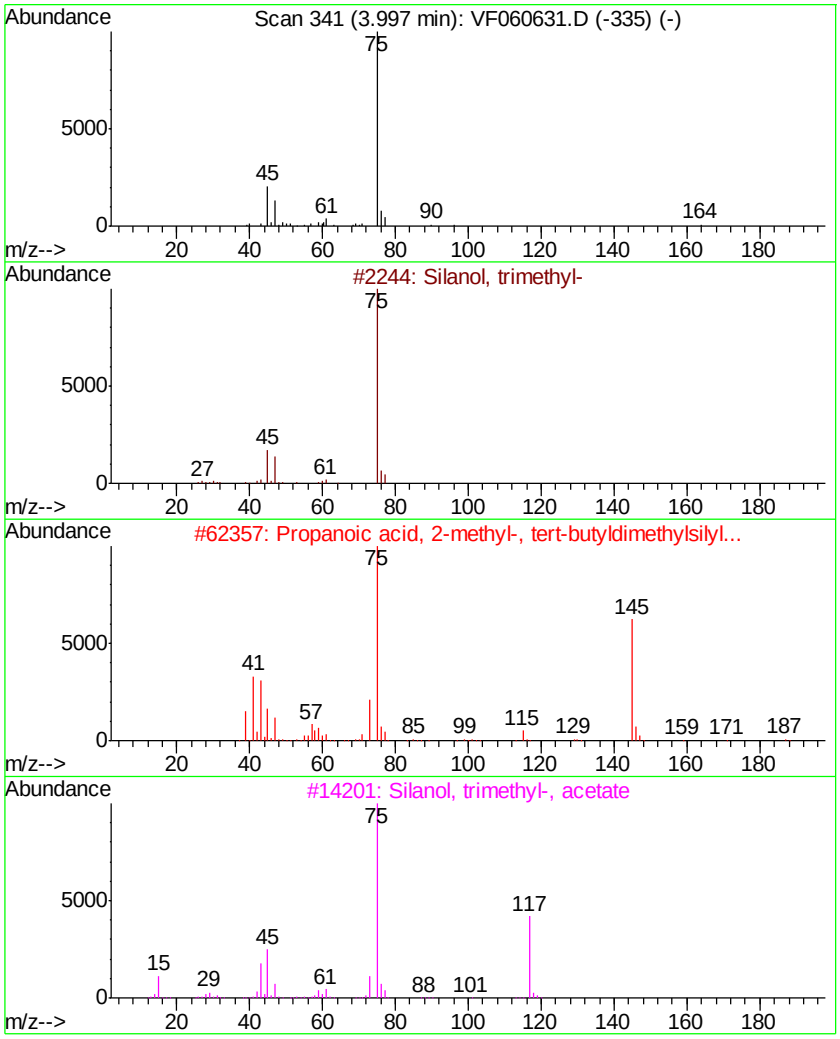
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

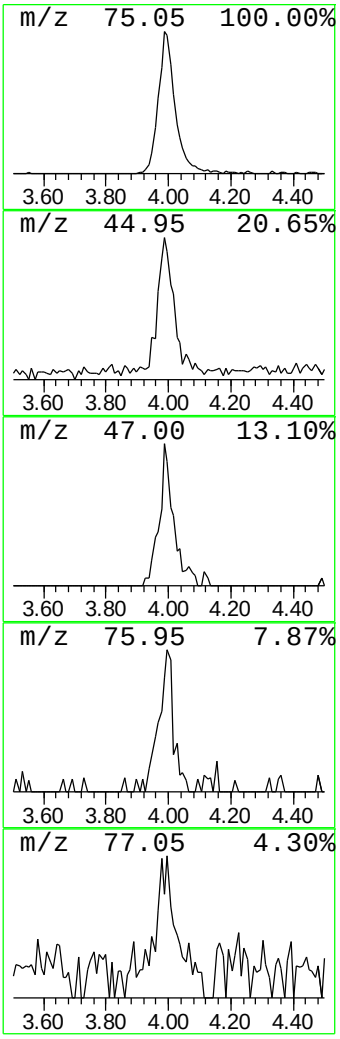
****

Peak Number 1 Silanol, trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.00	6.81 ug/l	83713	Pentafluorobenzene	4.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silanol, trimethyl-	90	C3H10OSi	001066-40-6	83
2	Propanoic acid, 2-methyl-, tert-...	202	C10H22O2Si	111864-21-2	83
3	Silanol, trimethyl-, acetate	132	C5H12O2Si	002754-27-0	78
4	Silane, trimethyl(1-methylethoxy)-	132	C6H16OSi	001825-64-5	74
5	Silanol, dimethyl(1,1,2-trimethy...	160	C8H20OSi	055644-10-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
Data File : VF060631.D
Acq On : 7 Nov 2018 16:16
Operator : VA/AP
Sample : J5819-07
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

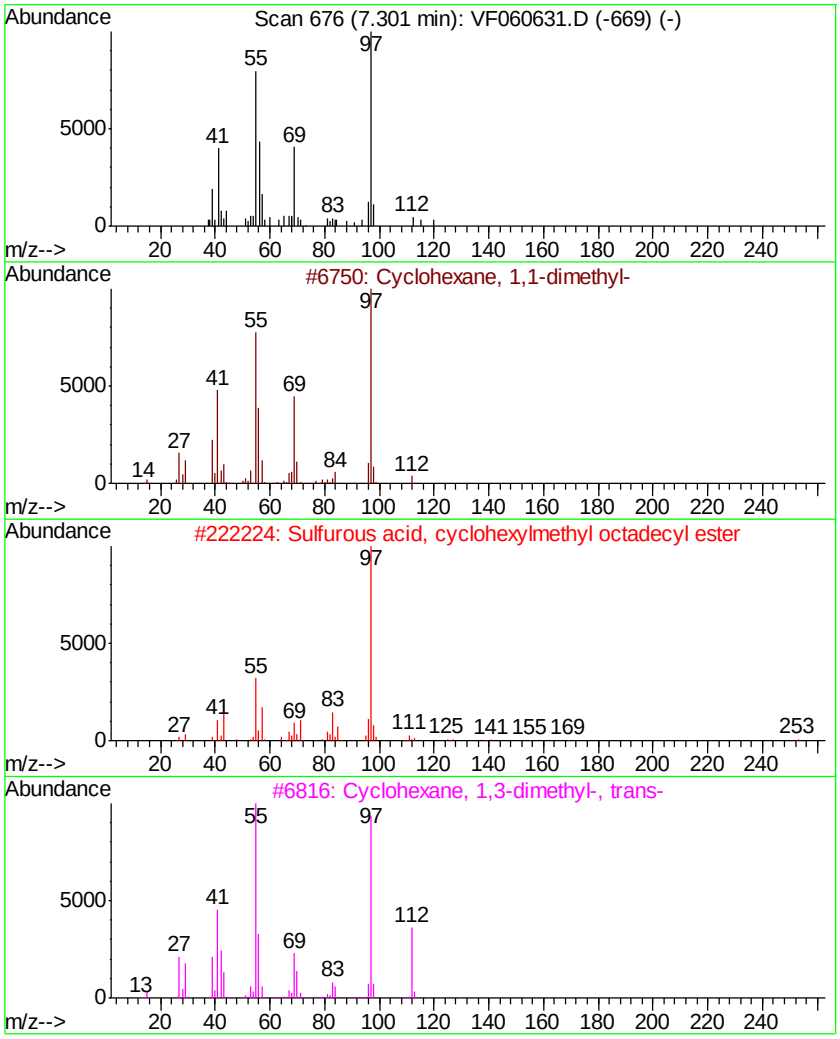
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

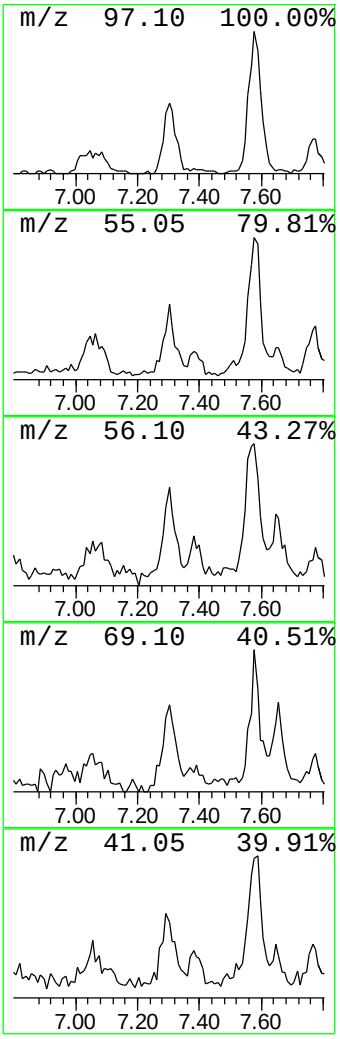
****

Peak Number 2 Cyclohexane, 1,1-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	5.65 ug/l	56236	1,4-Difluorobenzene	5.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	91
2	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	59
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	56
5	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	53





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Data File : VF060631.D
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Operator : VA/AP
Sample : J5819-07
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

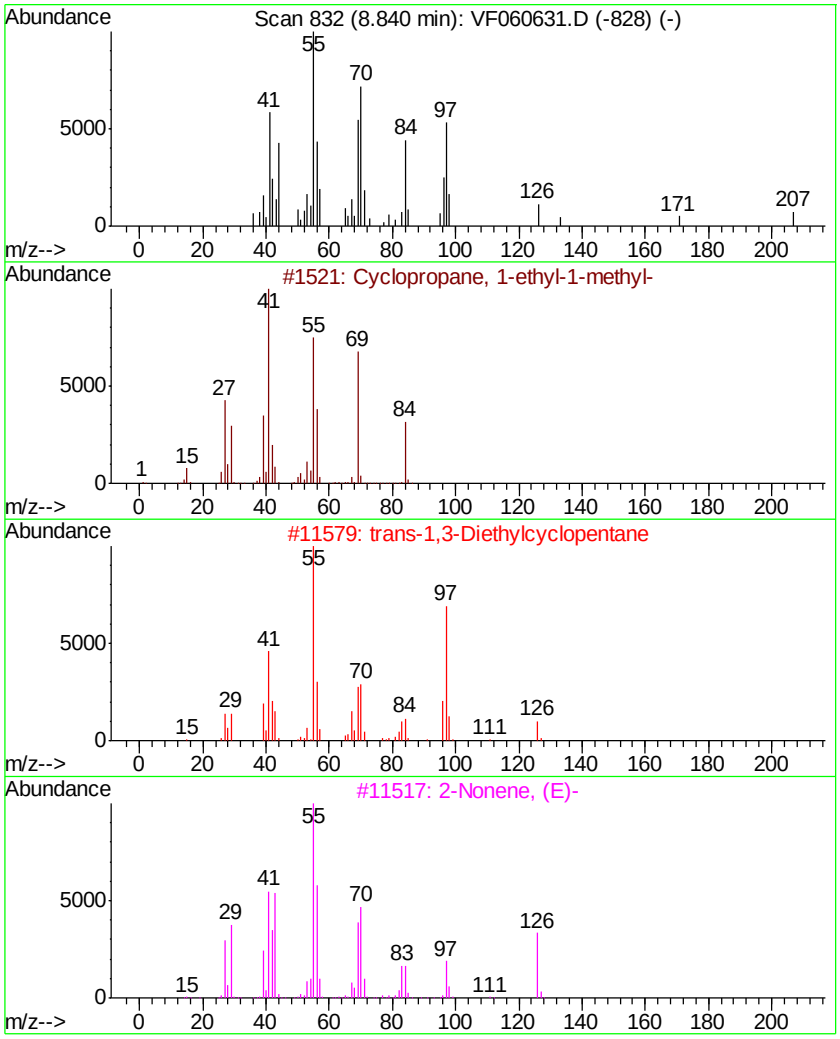
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

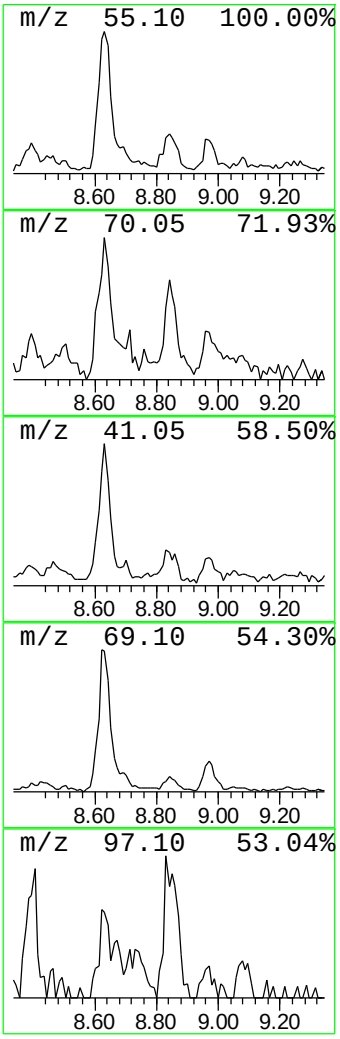
****

Peak Number 3 unknown8.84 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	5.87 ug/l	52722	Chlorobenzene-d5	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	38
2	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	38
3	2-Nonene, (E)-	126	C9H18	006434-78-2	38
4	Cyclohexanone, 4-ethyl-	126	C8H14O	005441-51-0	38
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	38





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ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

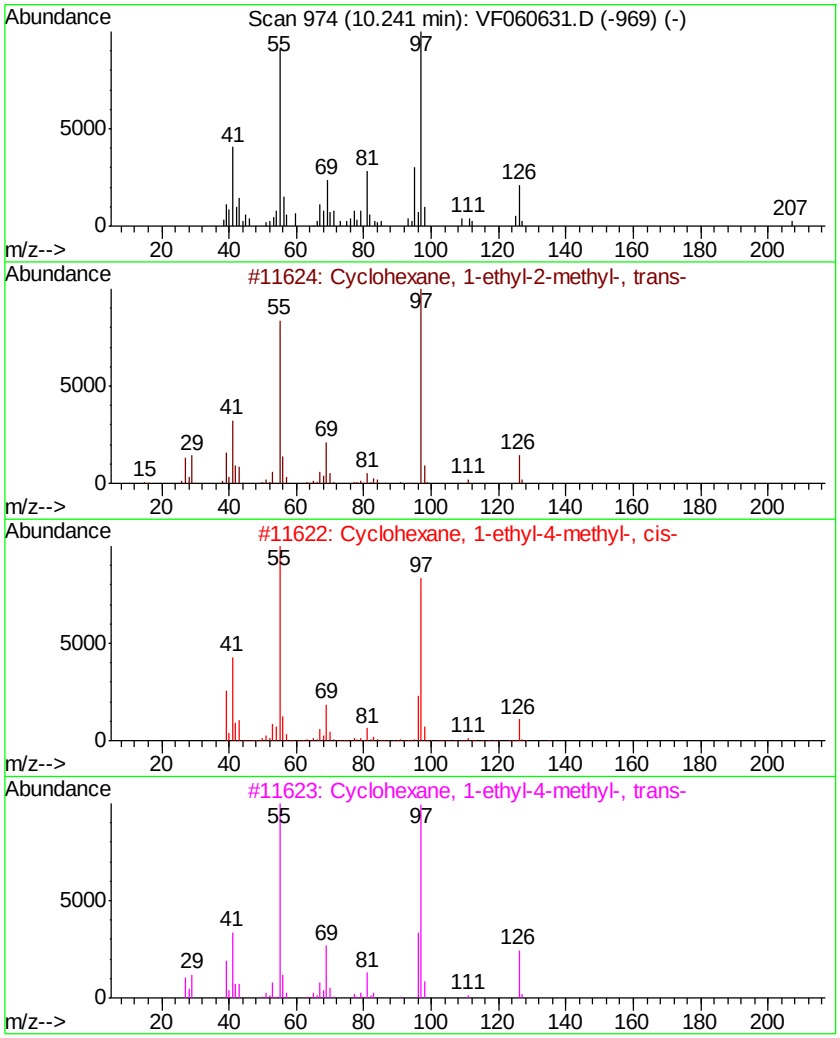
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

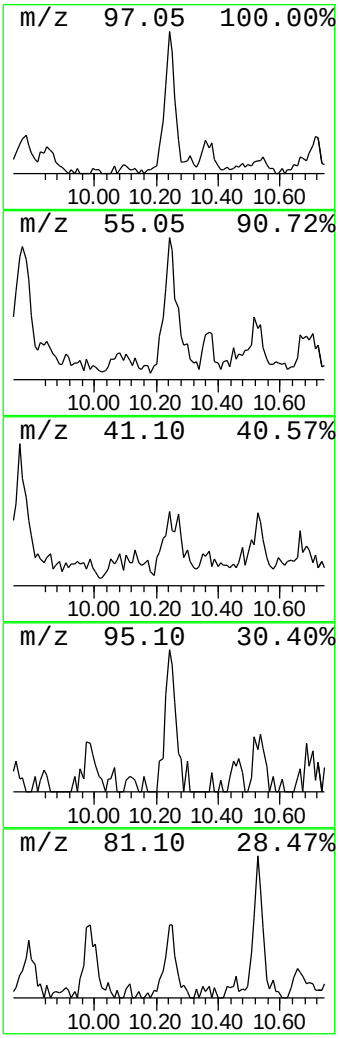
****

Peak Number 4 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	9.06 ug/l	81433	Chlorobenzene-d5	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	93
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	76
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	68
4	3-Heptene, 3-ethyl-	126	C9H18	074764-46-8	68
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	68





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Sample : J5819-07
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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

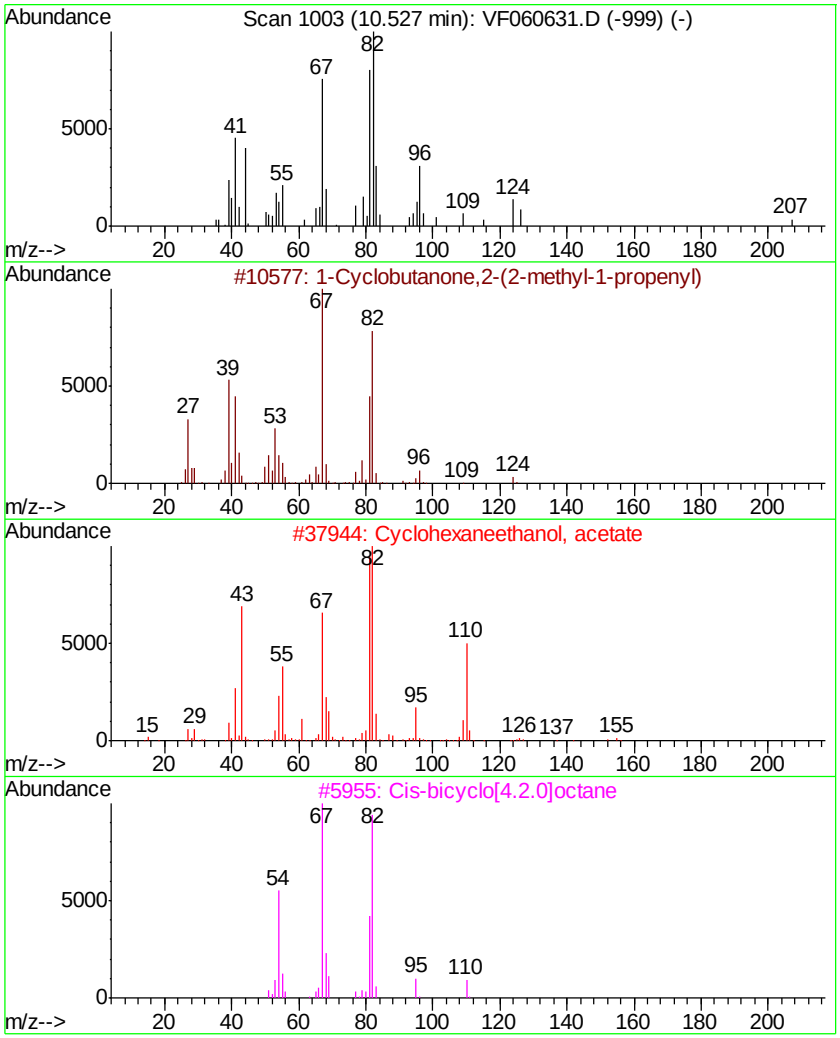
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

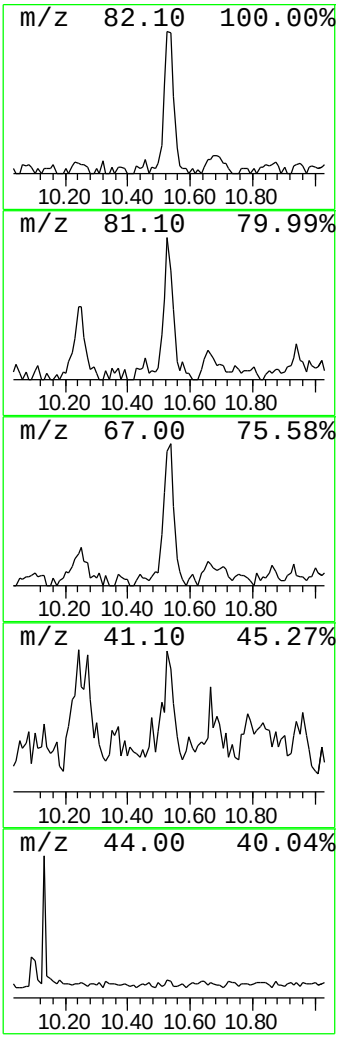
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1-Cyclobutanone,2-(2-methyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	5.77 ug/l	51832	Chlorobenzene-d5	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclobutanone,2-(2-methyl-1-pr...	124	C8H12O	091531-45-2	59
2	Cyclohexaneethanol, acetate	170	C10H18O2	021722-83-8	47
3	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	47
4	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	46
5	Cyclopropane, (1-methylethylidene)-	82	C6H10	004741-86-0	43





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Operator : VA/AP
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ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

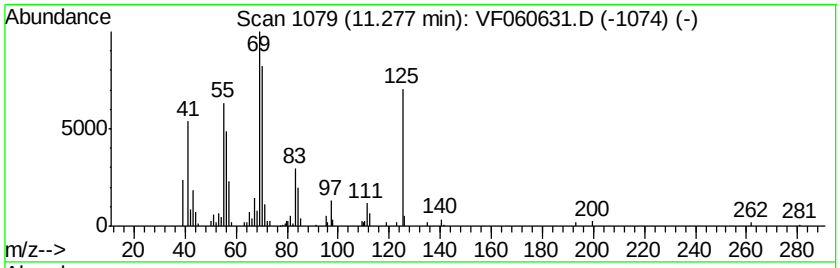
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

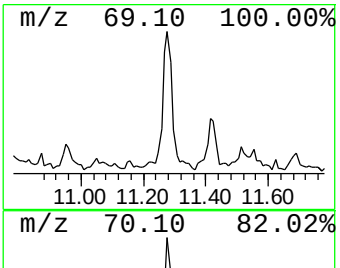
****

Peak Number 6 2-Octene, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	22.99 ug/l	74520	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
2	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	55
3	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	49
4	3-Undecene, 2-methyl-, (Z)-	168	C12H24	074630-48-1	47
5	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
Data File : VF060631.D
Acq On : 7 Nov 2018 16:16
Operator : VA/AP
Sample : J5819-07
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

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

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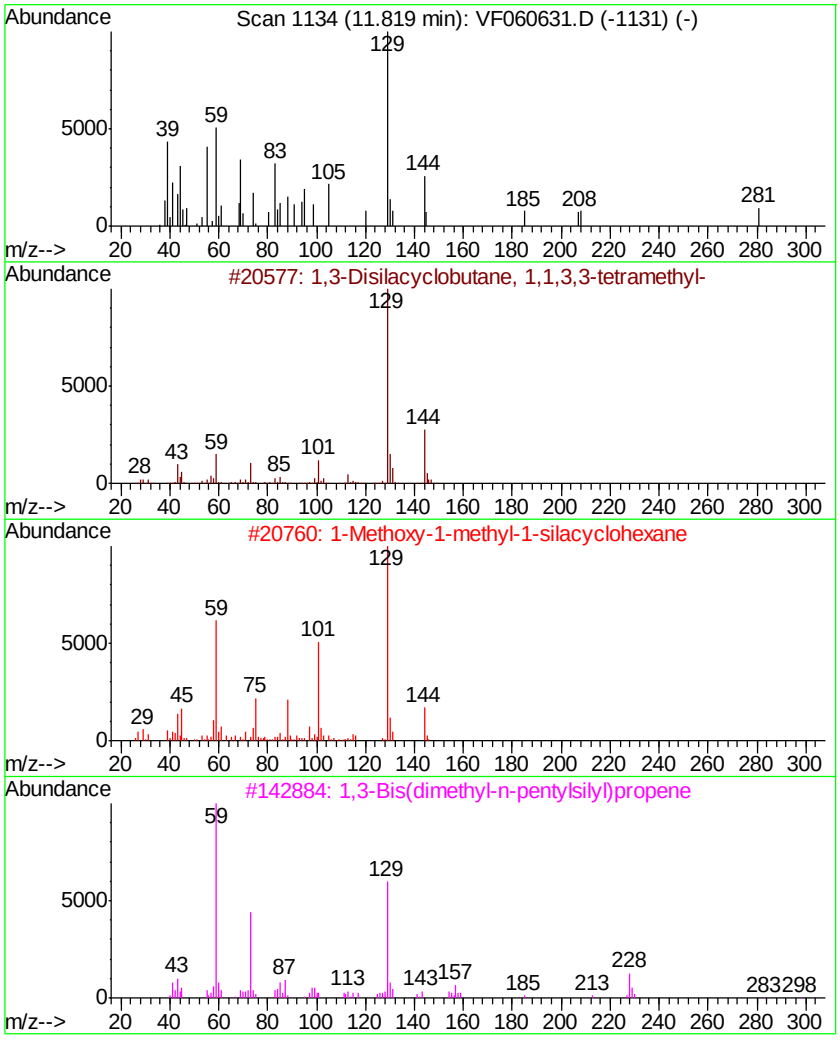
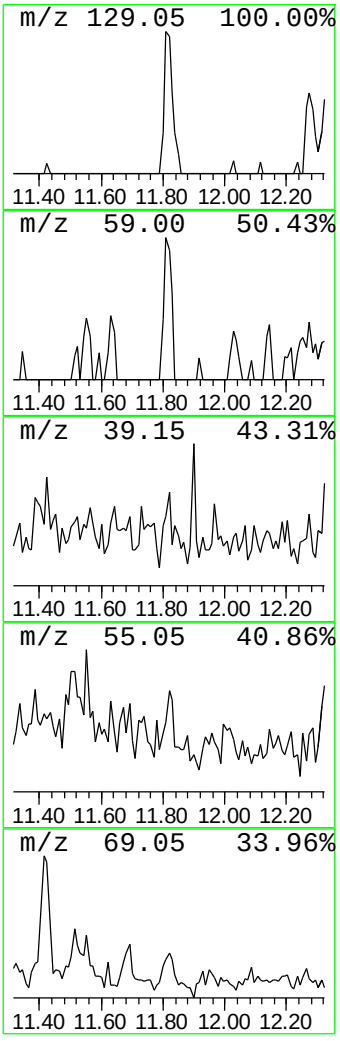
Peak Number 7 unknown11.82 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	5.80 ug/l	18809	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Disilacyclobutane, 1,1,3,3-t...	144	C6H16Si2	001627-98-1	49
2	1-Methoxy-1-methyl-1-silacyclohe...	144	C7H16OSi	020089-28-5	42
3	1,3-Bis(dimethyl-n-pentylsilyl)p...	298	C17H38Si2	136935-56-3	40
4	Benzene, (2-cyclopropylethenyl)-	144	C11H12	1000142-01-6	38
5	1,3,4-Thiadiazol-2-amine, 5-ethyl-	129	C4H7N3S	014068-53-2	35





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Data File : VF060631.D
Acq On : 7 Nov 2018 16:16
Operator : VA/AP
Sample : J5819-07
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

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

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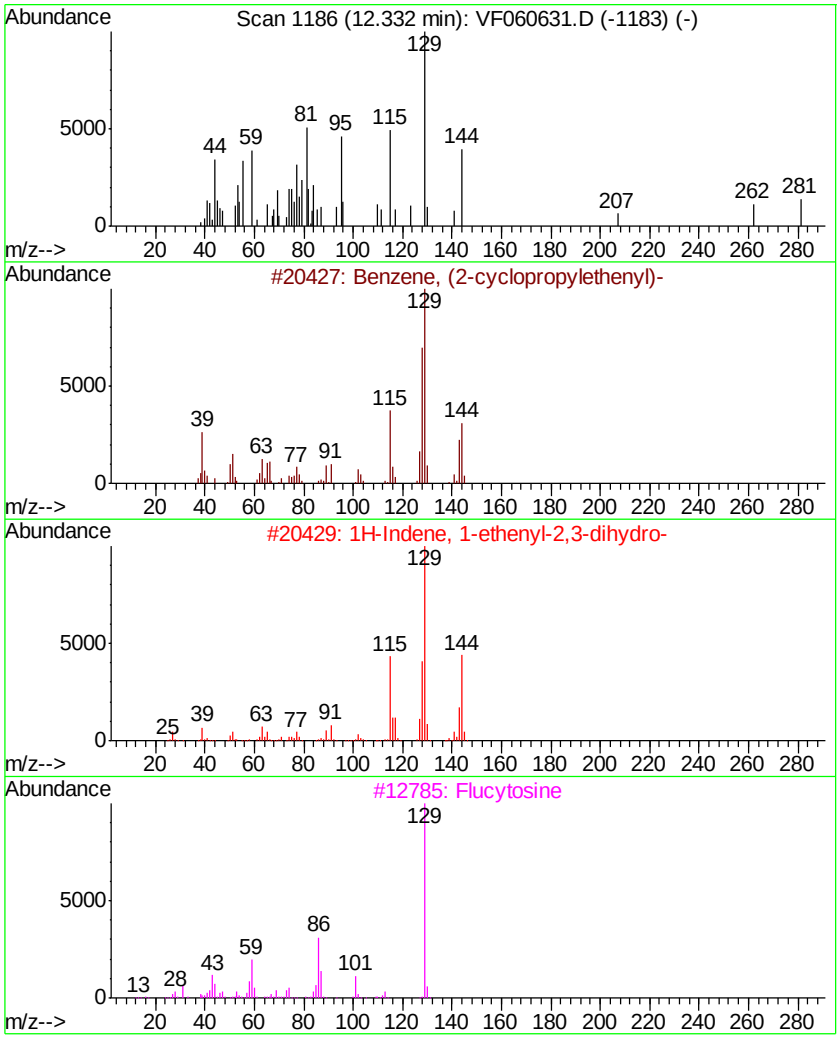
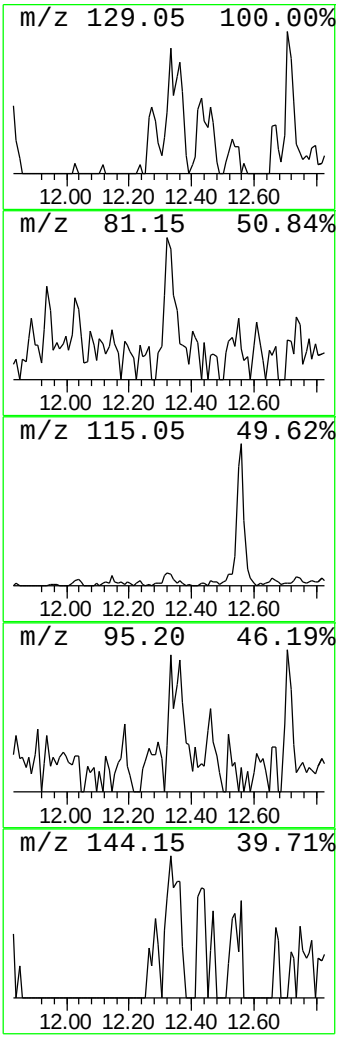
Peak Number 8 unknown12.33 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	6.13 ug/l	19859	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-cyclopropylethenyl)-	144	C11H12	1000142-01-6	43
2	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	37
3	Flucytosine	129	C4H4FN3O	002022-85-7	35
4	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	35
5	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110718\
Data File : VF060631.D
Acq On : 7 Nov 2018 16:16
Operator : VA/AP
Sample : J5819-07
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

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

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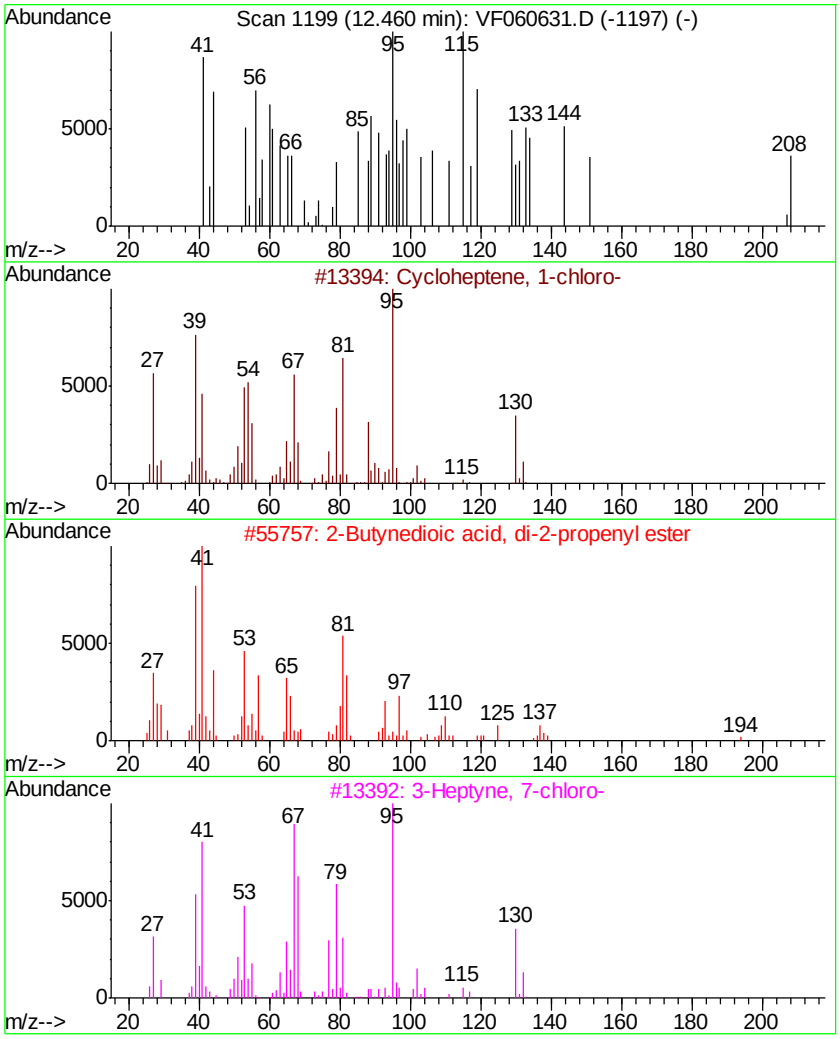
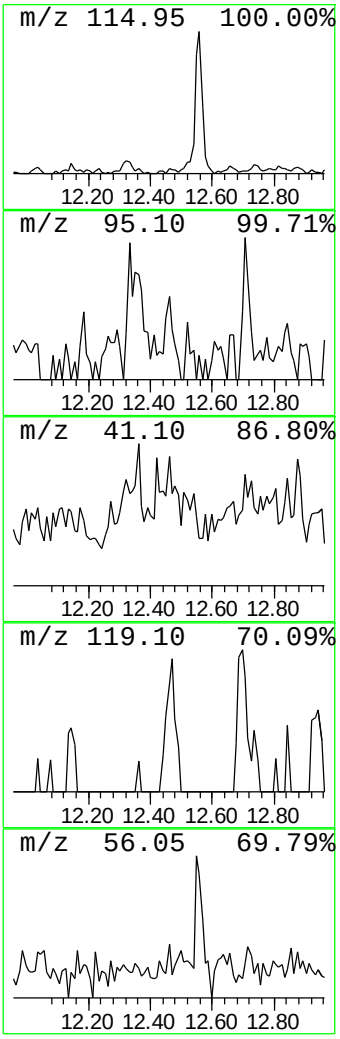
Peak Number 9 unknown12.46 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.88 ug/l	19057	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptene, 1-chloro-	130	C7H11Cl	013294-30-9	22
2	2-Butynedioic acid, di-2-propenyl...	194	C10H10O4	014447-07-5	22
3	3-Heptyne, 7-chloro-	130	C7H11Cl	051575-85-0	22
4	2-Chloromethyl-1,3-dichloro-2-me...	174	C5H9Cl3	001067-09-0	17
5	9-Borabicyclo[3.3.1]nonane, 9-me...	136	C9H17B	023418-81-7	16





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Data File : VF060631.D
Acq On : 7 Nov 2018 16:16
Operator : VA/AP
Sample : J5819-07
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260

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

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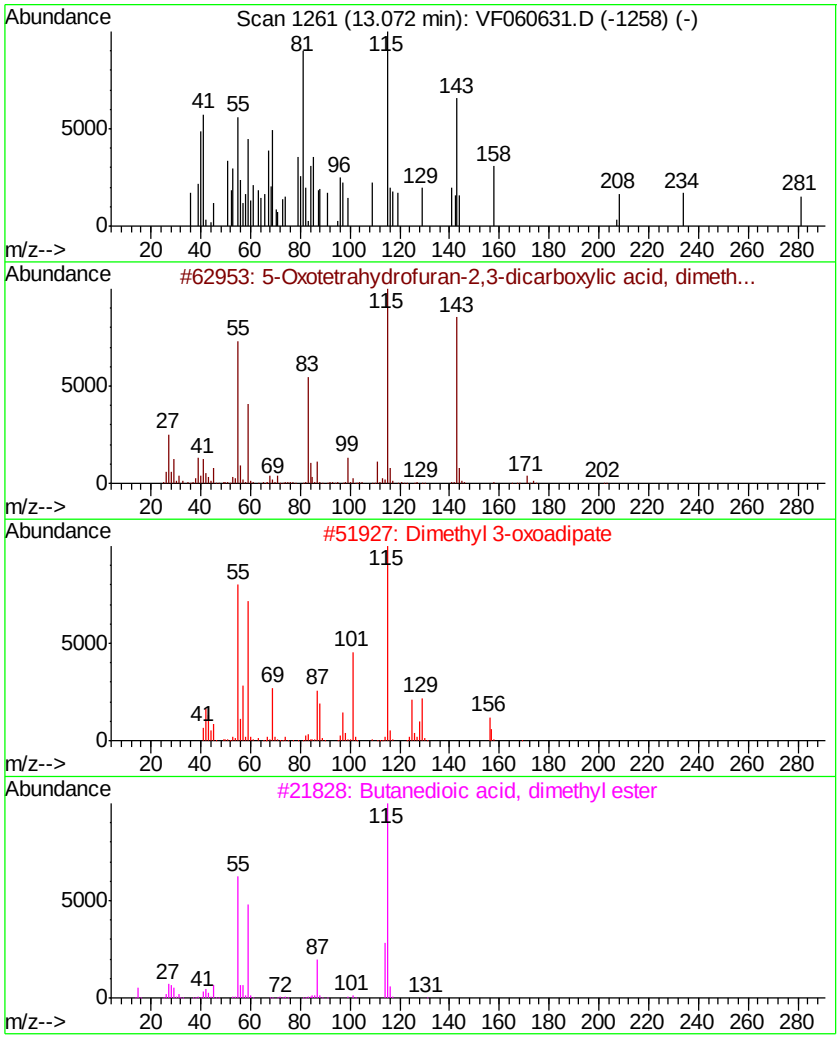
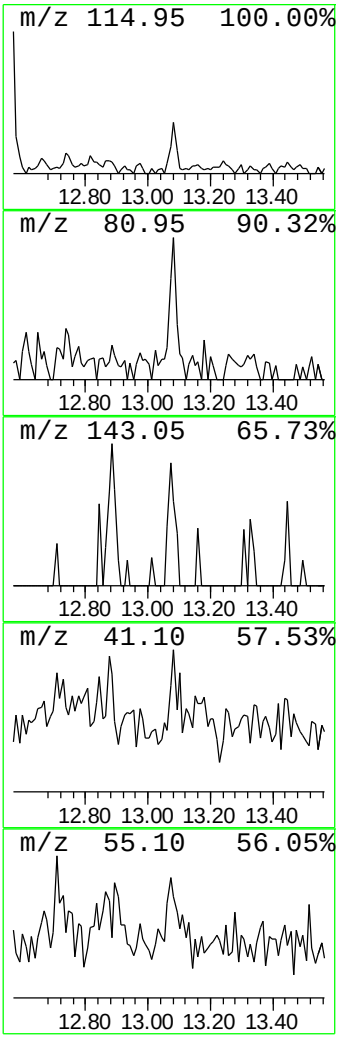
Peak Number 10 unknown13.07 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	7.04 ug/l	22835	1,4-Dichlorobenzene-d4	12.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Oxotetrahydrofuran-2,3-dicarbo...	202	C8H10O6	1000195-39-2	35
2	Dimethyl 3-oxoadipate	188	C8H12O5	005457-44-3	27
3	Butanedioic acid, dimethyl ester	146	C6H10O4	000106-65-0	22
4	Allyloxy-t-butyldimethylsilane	172	C9H20OSi	085807-85-8	22
5	Glutaric acid, ethyl 3-methylpen...	244	C13H24O4	1000360-05-4	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF110718\
Data File : VF060631.D
Acq On : 7 Nov 2018 16:16
Operator : VA/AP
Sample : J5819-07
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : BES48_SB03_1.5-2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.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
Silanol, trimethyl-	4.00	6.8	ug/l	83713	1	4.87	614994	50.0
Cyclohexane, 1,1-...	7.30	5.7	ug/l	56236	2	5.60	497692	50.0
unknown8.84	8.84	5.9	ug/l	52722	3	9.79	449281	50.0
Cyclohexane, 1-et...	10.24	9.1	ug/l	81433	3	9.79	449281	50.0
1-Cyclobutanone,2...	10.53	5.8	ug/l	51832	3	9.79	449281	50.0
2-Octene, 2,6-dim...	11.28	23.0	ug/l	74520	4	12.56	162099	50.0
unknown11.82	11.82	5.8	ug/l	18809	4	12.56	162099	50.0
unknown12.33	12.33	6.1	ug/l	19859	4	12.56	162099	50.0
unknown12.46	12.46	5.9	ug/l	19057	4	12.56	162099	50.0
unknown13.07	13.07	7.0	ug/l	22835	4	12.56	162099	50.0