LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060235.D
Acq On : 10 Sep 2018 15:25
Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

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\82F090618S.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	5.041	438	447	464	rBV2	268812	963872	1.41%	0.147%
2	5.770	514	521	534	rBV	280384	766446	1.12%	0.117%
3	7.722	710	719	727	rBV	292165	856226	1.25%	0.130%
4	8.441	785	792	800	rBV3	239705	930255	1.36%	0.142%
5	8.619	800	810	821	rVB2	304818	1259533	1.84%	0.192%
6	8.787	821	827	844	rBV	554988	2480783	3.62%	0.378%
7	9.132	855	862	871	rBV3	761988	3891626	5.68%	0.593%
8	9.260	871	875	887	rVB2	497070	2067920	3.02%	0.315%
9	9.447	887	894	903	rBV	587239	2735959	4.00%	0.417%
10	9.703	913	920	927	rBV4	377827	1624926	2.37%	0.248%
11	9.861	929	936	937	rBV3	454113	1283711	1.87%	0.196%
12	9.930	937	943	960	rVB4	2053296	12972795	18.94%	1.976%
13	10.236	969	974	983	rVB2	435666	2024693	2.96%	0.308%
14	10.403	983	991	997	rBV5	2339614	12721328	18.58%	1.938%
15	10.669	1010	1018	1027	rBV4	3144994	17522362	25.59%	2.670%
16	10.847	1028	1036	1044	rBV3	8254654	45422692	66.33%	6.920%
17	10.995	1046	1051	1059	rVB5	3561341	16615497	24.26%	2.531%
18	11.211	1066	1073	1075	rBV3	3909149	14351559	20.96%	2.186%
19	11.418	1087	1094	1102	rVB5	7340879	33204558	48.49%	5.059%
20	11.625	1102	1115	1118	rBV6	4987788	31300223	45.71%	4.769%
21	11.714	1118	1124	1133	rVV4	5783208	31393781	45.84%	4.783%
22	12.148	1156	1168	1169	rBV7	11747000	51231903	74.81%	7.805%
23	12.237	1174	1177	1180	rVB	5486165	11536641	16.85%	1.758%
24	12.355	1180	1189	1194	rBV4	12850367	68479632	100.00%	10.433%
25	12.444	1194	1198	1203	rBV4	6660138	15425575	22.53%	2.350%
26	12.522	1203	1206	1209	rBV	5399091	12792759	18.68%	1.949%
27	12.641	1216	1218	1224	rVB3	5227343	15779338	23.04%	2.404%
28	12.739	1224	1228	1233	rBV2	11071515	37586335	54.89%	5.726%
29	12.848	1236	1239	1241	rBV2	4294967	8729863	12.75%	1.330%
30	12.927	1242	1247	1249	rBV3	4964897	15509827	22.65%	2.363%
31	13.055	1256	1260	1264	rBV4	4616855	14508800	21.19%	2.210%
32	13.124	1264	1267	1270	rVB2	8611728	18936351	27.65%	2.885%
33	13.193	1270	1274	1275	rBV2	7764789	16264244	23.75%	2.478%
34	13.272	1279	1282	1285	rVB2	8364409	14425952	21.07%	2.198%

LSC Area Percent Report

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Operator : VA/AP
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Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

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\82F090618S.M
Title : SW846 8260

35	13.341	1285	1289	1293	rVB5	7313093	14802160	21.62%	2.255%
36	13.400	1293	1295	1301	rVB3	7728840	18851757	27.53%	2.872%
37	13.488	1301	1304	1306	rBV2	4484935	8174336	11.94%	1.245%
38	13.587	1312	1314	1316	rVB	3796213	4945311	7.22%	0.753%
39	13.636	1316	1319	1324	rVB3	9647670	19333221	28.23%	2.945%
40	13.705	1324	1326	1327	rBV	819154	1256522	1.83%	0.191%
41	13.725	1327	1328	1332	rVB	3440751	3712173	5.42%	0.566%
42	13.794	1332	1335	1338	rBV2	5395401	9148287	13.36%	1.394%
43	13.843	1338	1340	1343	rVB3	2088105	3010737	4.40%	0.459%
44	13.893	1343	1345	1347	rBV	3266120	4905536	7.16%	0.747%
45	13.942	1347	1350	1351	rBV	4841161	8457292	12.35%	1.288%
46	14.060	1358	1362	1366	rVB	5563150	9492740	13.86%	1.446%
47	14.129	1366	1369	1370	rVV	929025	1549283	2.26%	0.236%
48	14.149	1370	1371	1374	rVV	1045928	1474438	2.15%	0.225%
49	14.228	1374	1379	1382	rVV4	2365601	5628937	8.22%	0.858%
50	14.287	1383	1385	1391	rVB	1564035	2439579	3.56%	0.372%
51	14.533	1406	1410	1417	rVB2	667311	1592184	2.33%	0.243%

Sum of corrected areas: 656372458

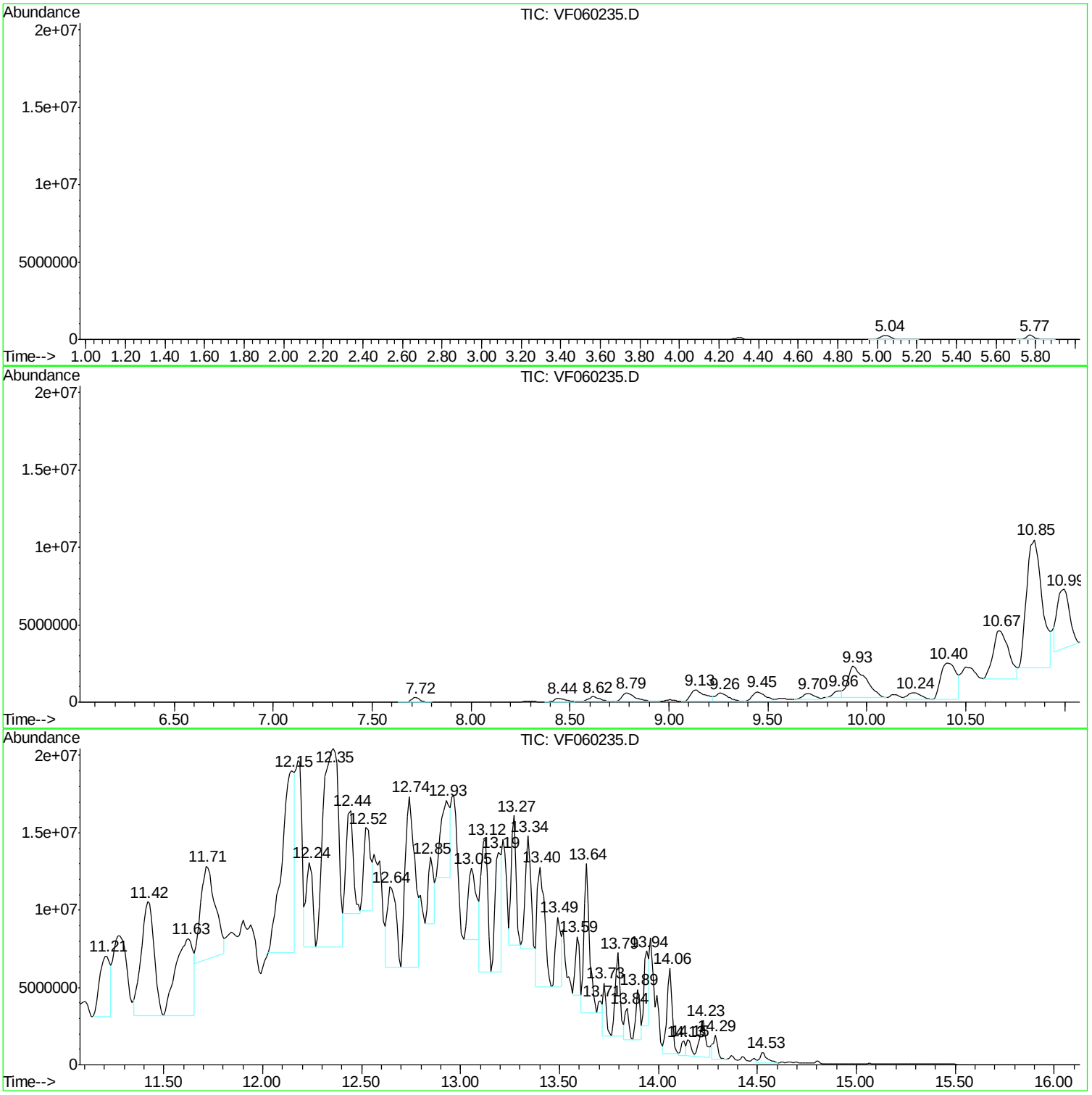
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060235.D
Acq On : 10 Sep 2018 15:25
Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.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\VF091018\
Data File : VF060235.D
Acq On : 10 Sep 2018 15:25
Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

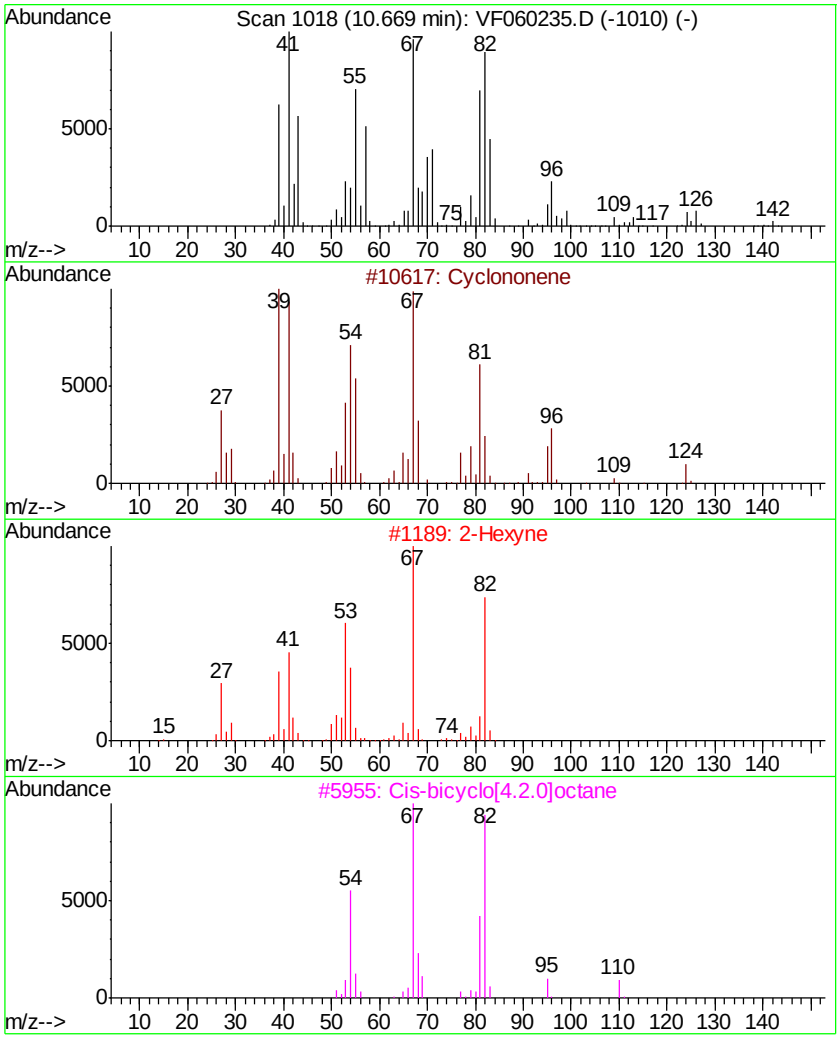
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

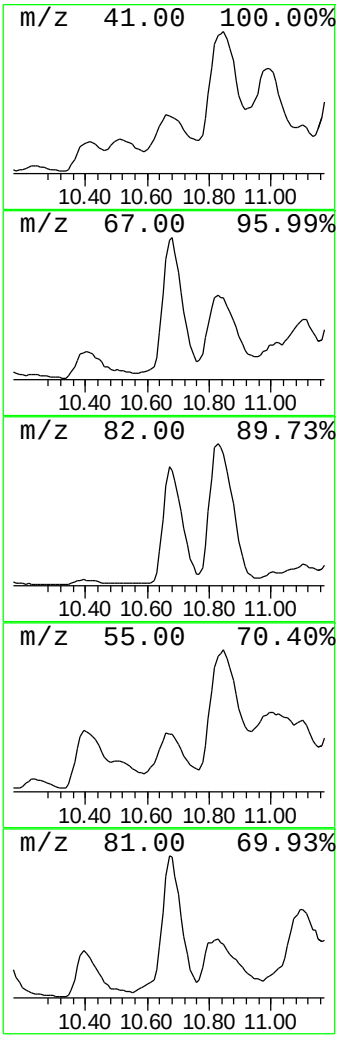
****

Peak Number 1 Cyclononene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	67.54 ug/l	17522400	Chlorobenzene-d5	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononene	124	C9H16	003618-11-9	51
2	2-Hexyne	82	C6H10	000764-35-2	49
3	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	47
4	3-Hexyne	82	C6H10	000928-49-4	46
5	Cyclopropane, (1-methylethylidene)-	82	C6H10	004741-86-0	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060235.D
Acq On : 10 Sep 2018 15:25
Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

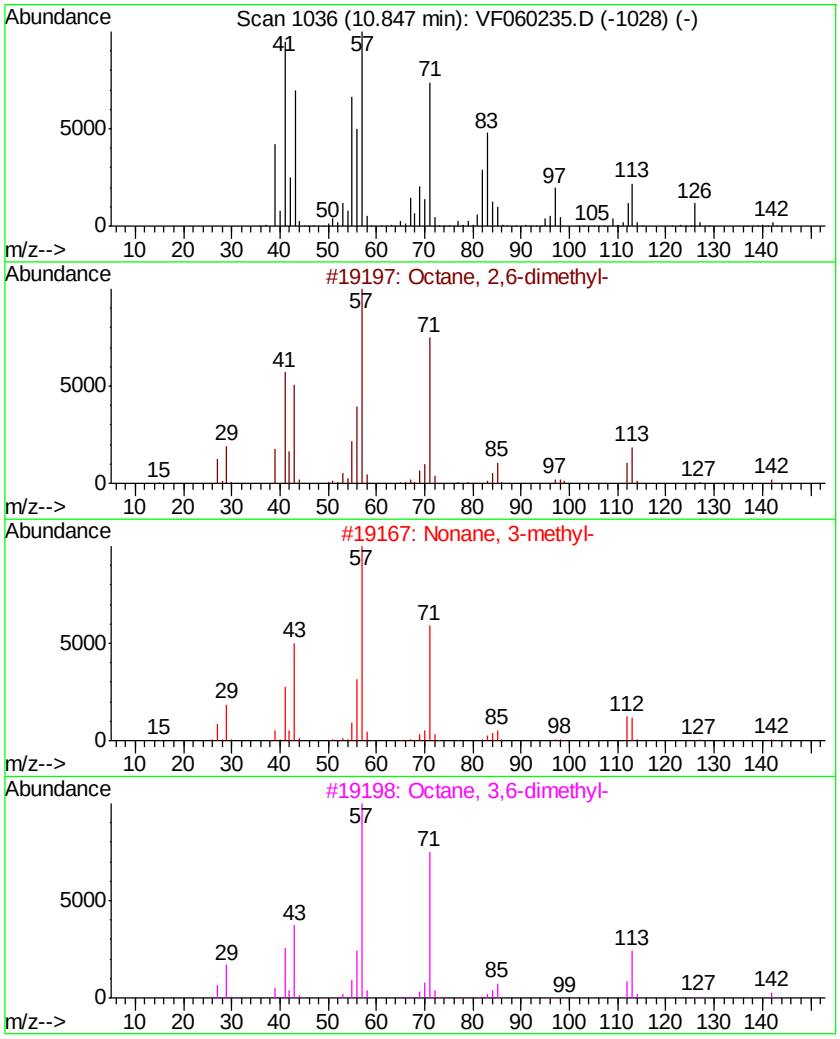
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

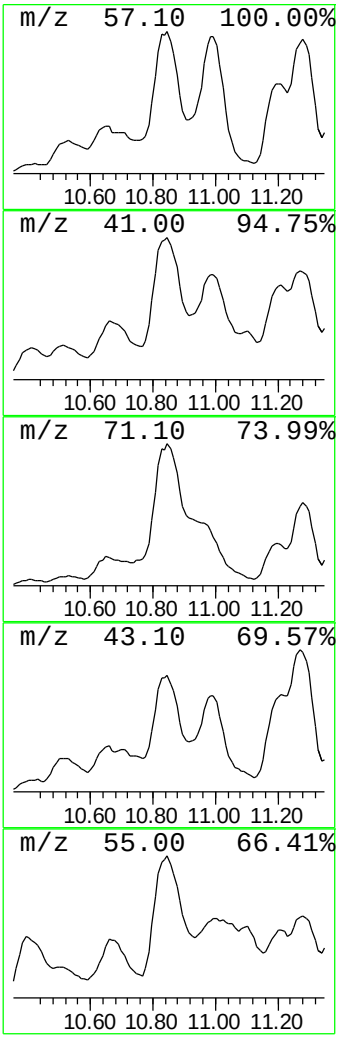
****

Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	175.07 ug/l	45422700	Chlorobenzene-d5	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	46
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	45
4	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	42
5	Octane, 2-iodo-	240	C8H17I	000557-36-8	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060235.D
Acq On : 10 Sep 2018 15:25
Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

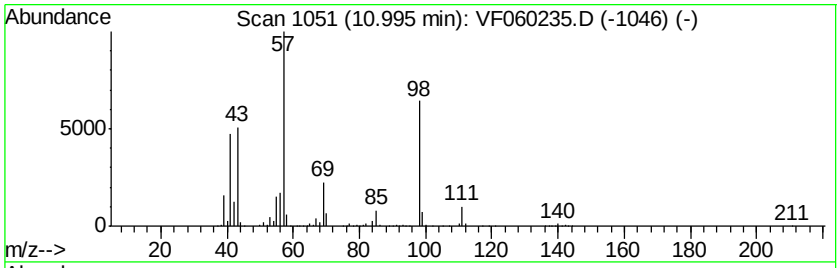
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

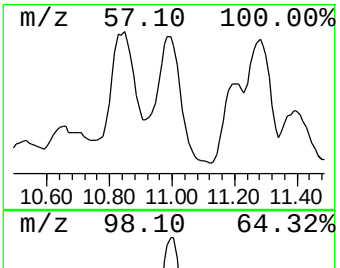
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 1-Propene, 1,1'-oxybis-, (Z... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	64.04 ug/l	16615500	Chlorobenzene-d5	9.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 1,1'-oxybis-, (Z,Z)-	98	C6H10O	004696-27-9	53
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50
3	Cyclohexanone, 2-propyl-	140	C9H16O	000094-65-5	50
4	1-Propene, 1,1'-oxybis-, (E,Z)-	98	C6H10O	004696-29-1	50
5	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060235.D
Acq On : 10 Sep 2018 15:25
Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

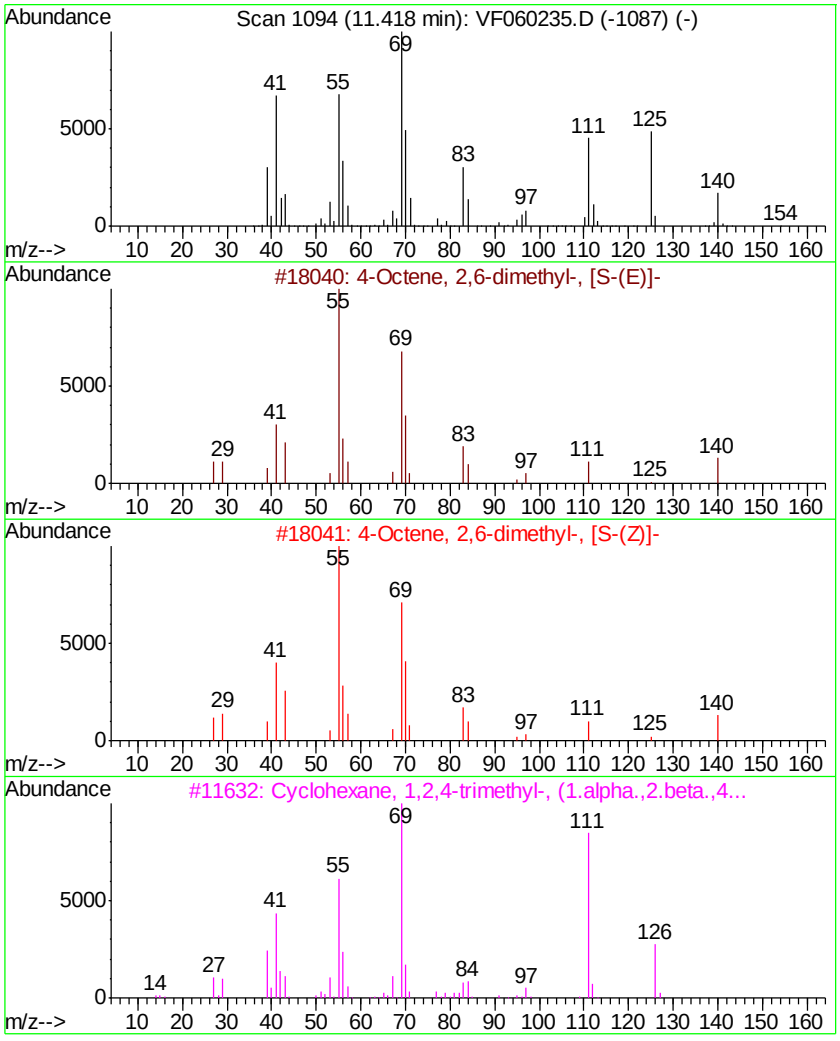
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

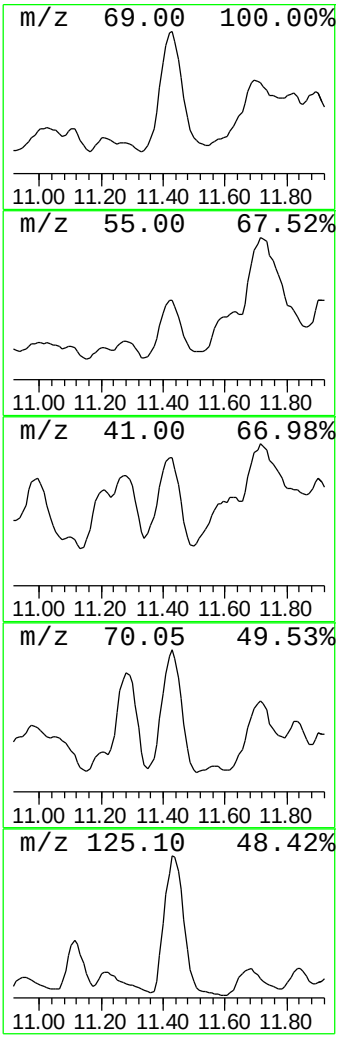
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	105.22 ug/l	33204600	1,4-Dichlorobenzene-d4	12.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	70
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	58
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	49
4	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	49
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	49





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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

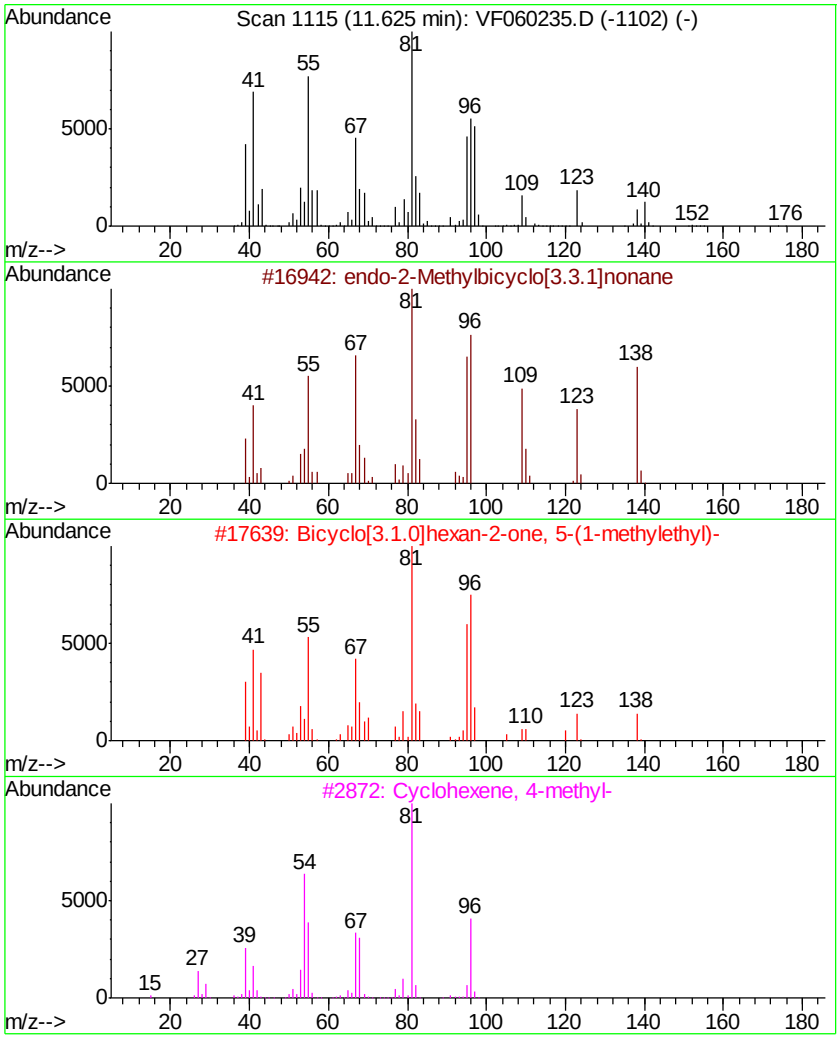
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

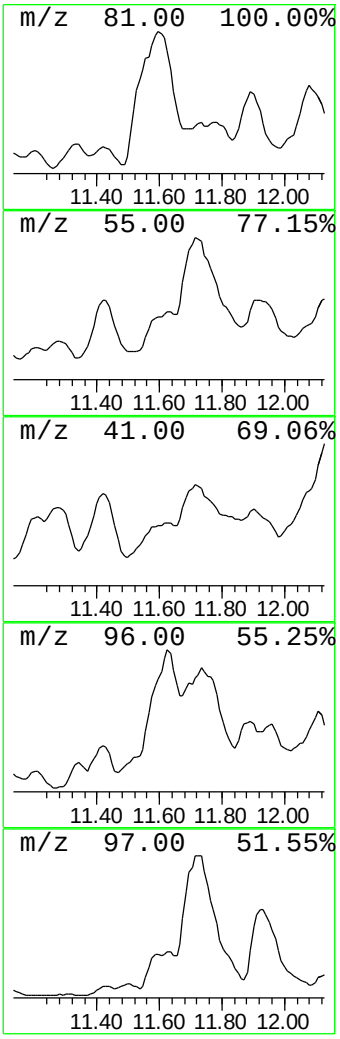
****

Peak Number 5 endo-2-Methylbicyclo[3.3.1]... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	99.18 ug/l	31300200	1,4-Dichlorobenzene-d4	12.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	endo-2-Methylbicyclo[3.3.1]nonane	138	C10H18	042558-37-2	74
2	Bicyclo[3.1.0]hexan-2-one, 5-(1-...	138	C9H14O	000513-20-2	74
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	46
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	004863-59-6	45





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Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

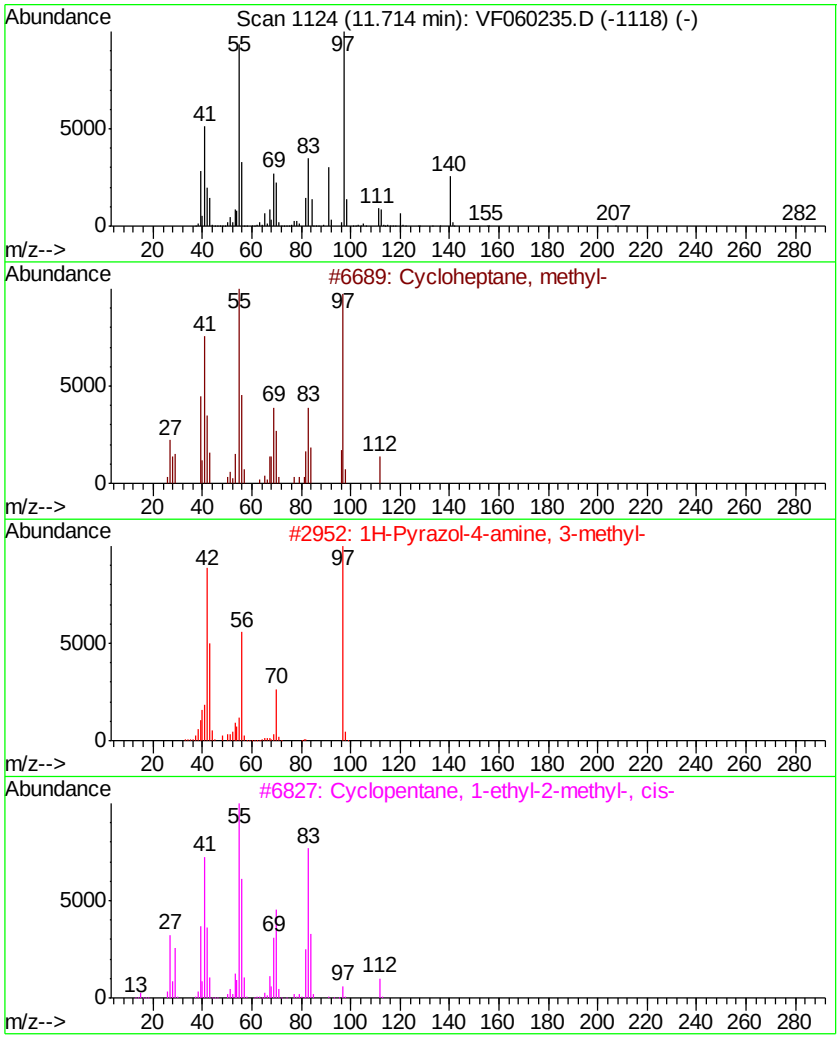
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

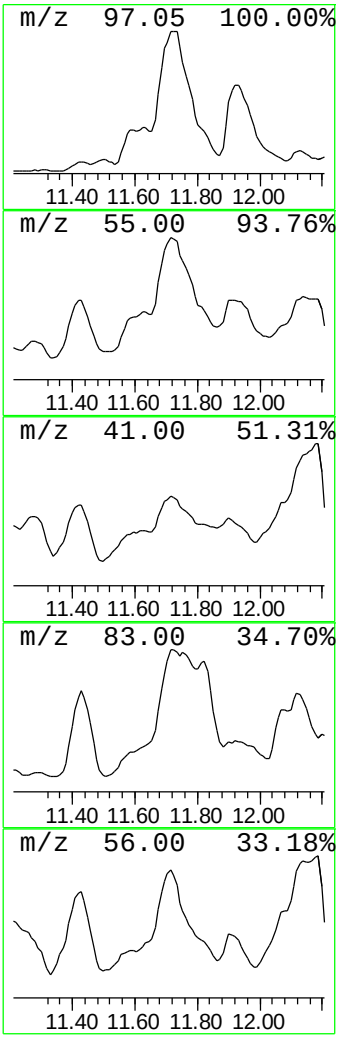
****

Peak Number 6 Cycloheptane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	99.48 ug/l	31393800	1,4-Dichlorobenzene-d4	12.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	81
2	1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1000338-28-2	49
3	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	46
4	2-Methyl-3-ethyl-2-heptene	140	C10H20	019780-61-1	46
5	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	41





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Acq On : 10 Sep 2018 15:25
Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

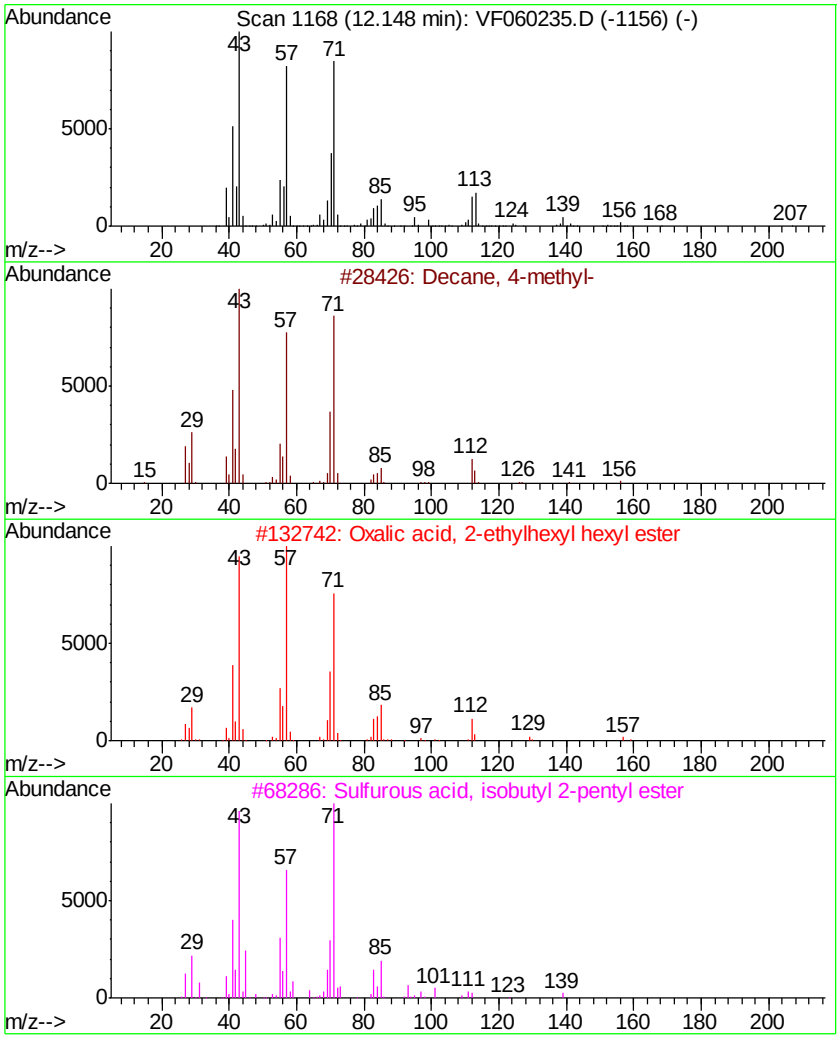
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

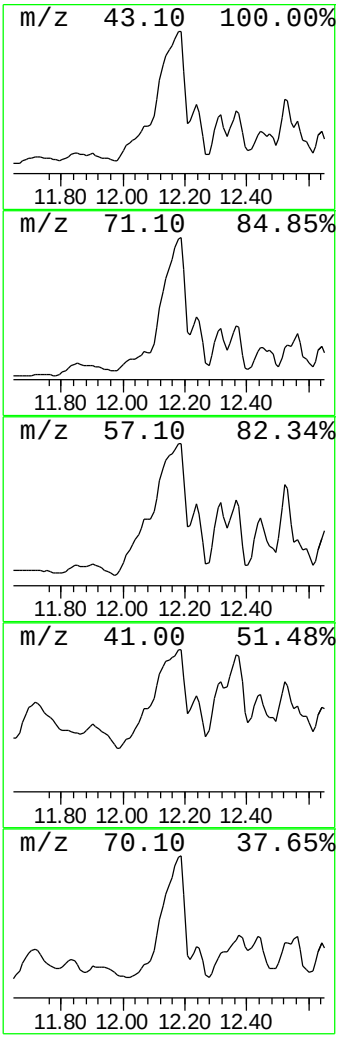
****

Peak Number 7 Decane, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	162.34 ug/l	51231900	1,4-Dichlorobenzene-d4	12.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	94
2	Oxalic acid, 2-ethylhexyl hexyl ...	286	C16H30O4	1000309-38-9	83
3	Sulfurous acid, isobutyl 2-penty...	208	C9H20O3S	1000309-15-2	72
4	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64





Library Search Compound Report

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Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

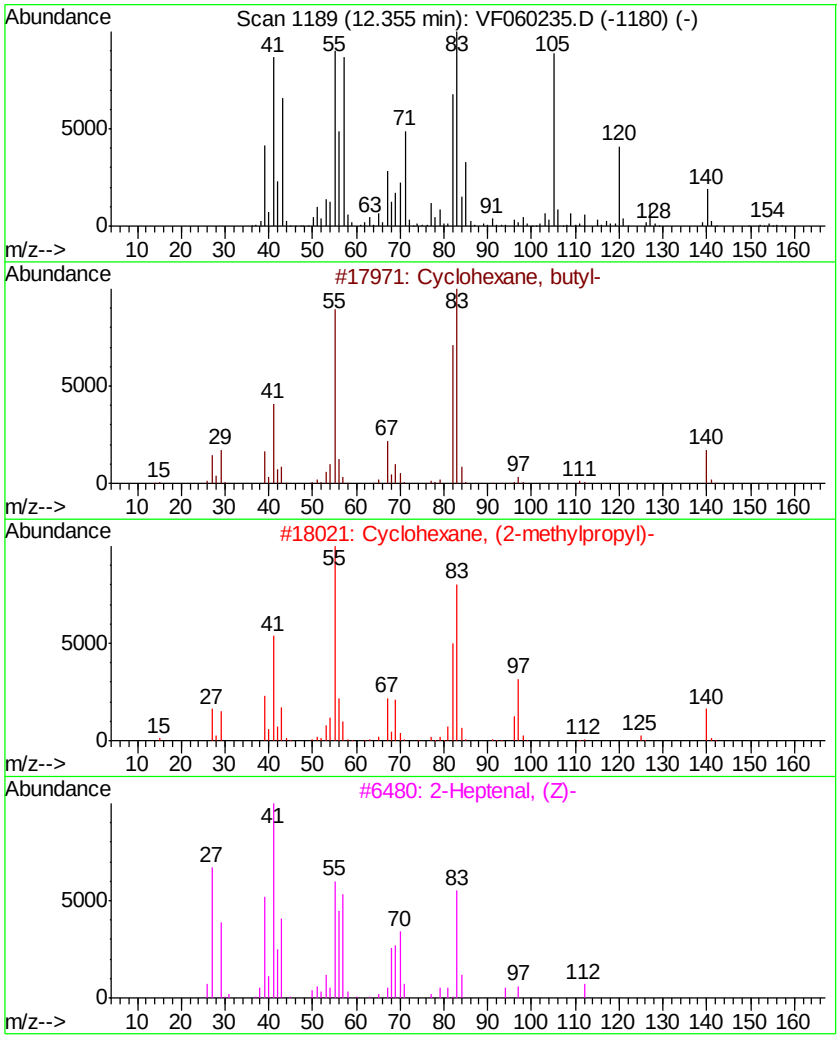
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

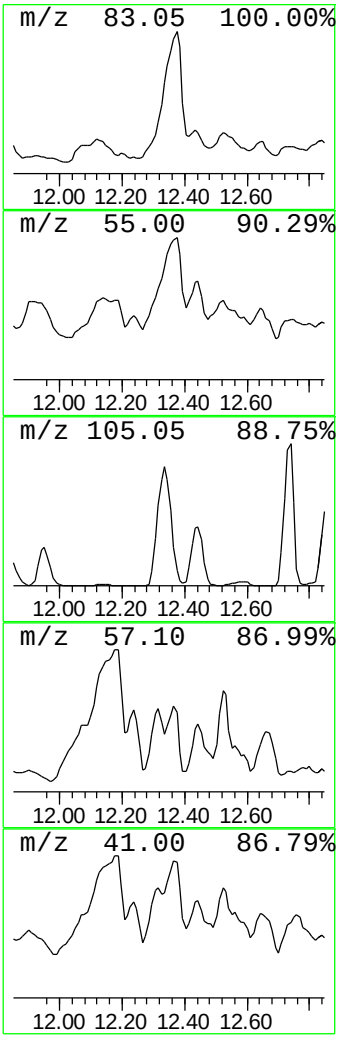
****

Peak Number 8 unknown12.35 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	216.99 ug/l	68479600	1,4-Dichlorobenzene-d4	12.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	46
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
3	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	30
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	25
5	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060235.D
Acq On : 10 Sep 2018 15:25
Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

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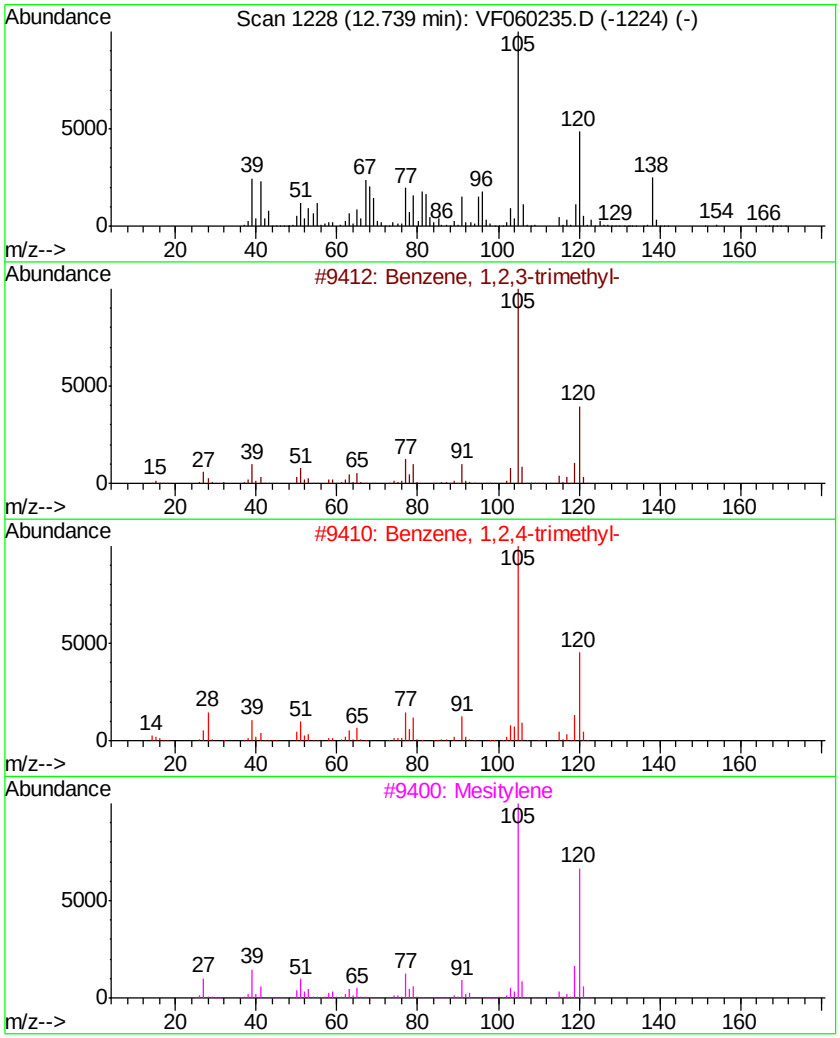
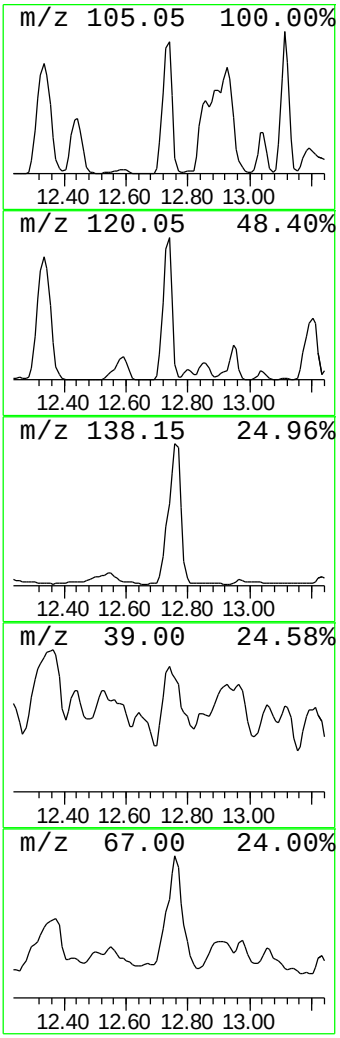
Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	119.10 ug/l	37586300	1,4-Dichlorobenzene-d4	12.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	70
3	Mesitylene	120	C9H12	000108-67-8	64
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	60
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF091018\
Data File : VF060235.D
Acq On : 10 Sep 2018 15:25
Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260

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

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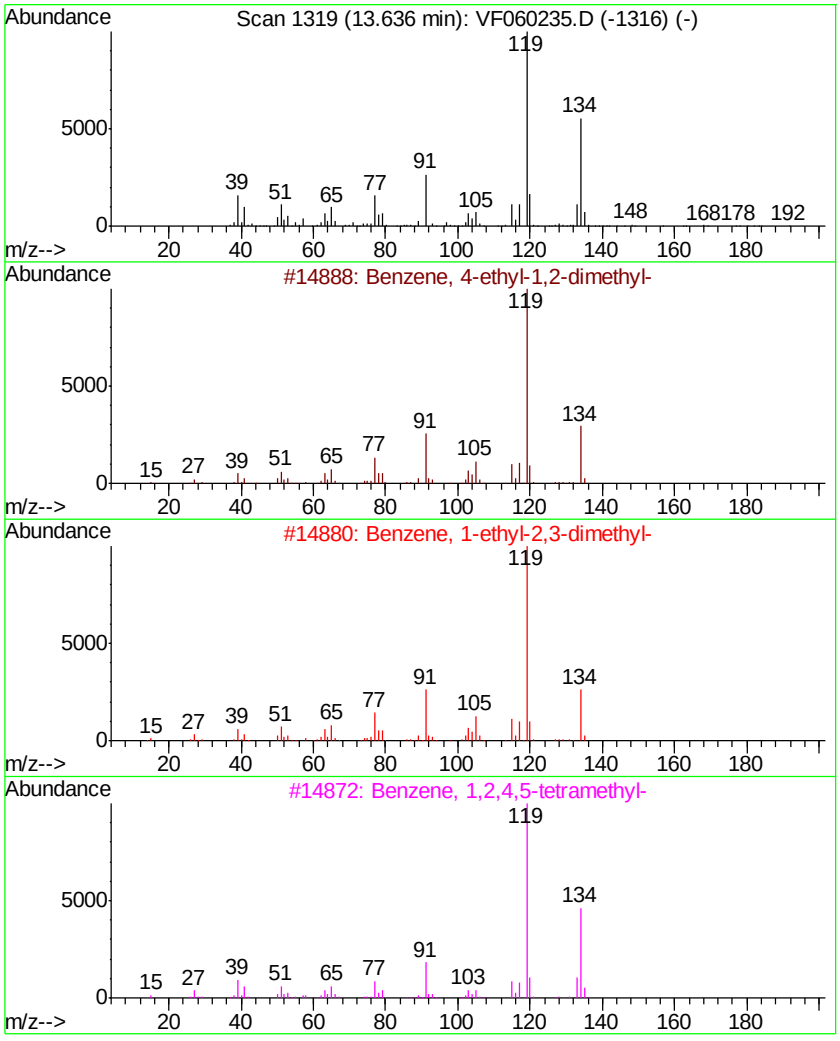
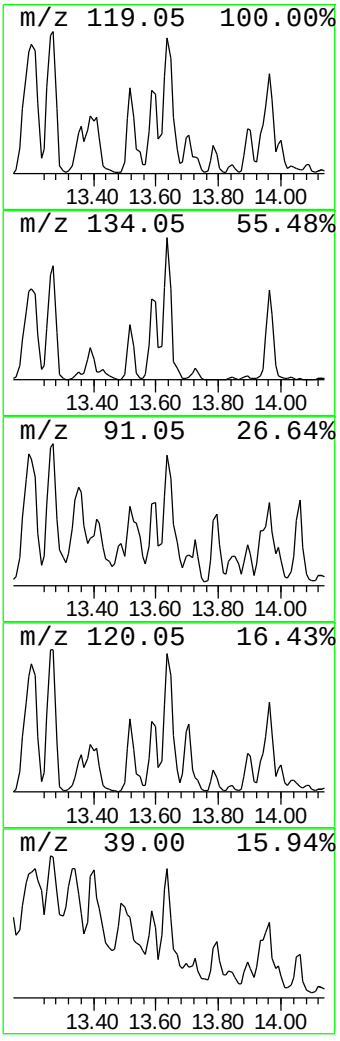
Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	61.26 ug/l	19333200	1,4-Dichlorobenzene-d4	12.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091018\
Data File : VF060235.D
Acq On : 10 Sep 2018 15:25
Operator : VA/AP
Sample : J4803-11
Misc : 5.43/5mL/MSVOA_F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : EP1-Q2-H6

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.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
Cyclononene	10.67	67.5	ug/l	17522400	3	9.93	12972800	50.0
Octane, 2,6-dimet...	10.85	175.1	ug/l	45422700	3	9.93	12972800	50.0
1-Propene, 1,1'-o...	10.99	64.0	ug/l	16615500	3	9.93	12972800	50.0
4-Octene, 2,6-dim...	11.42	105.2	ug/l	33204600	4	12.67	15779300	50.0
endo-2-Methylbicy...	11.63	99.2	ug/l	31300200	4	12.67	15779300	50.0
Cycloheptane, met...	11.71	99.5	ug/l	31393800	4	12.67	15779300	50.0
Decane, 4-methyl-	12.15	162.3	ug/l	51231900	4	12.67	15779300	50.0
unknown12.35	12.35	217.0	ug/l	68479600	4	12.67	15779300	50.0
Benzene, 1,2,3-tr...	12.74	119.1	ug/l	37586300	4	12.67	15779300	50.0
Benzene, 4-ethyl-...	13.64	61.3	ug/l	19333200	4	12.67	15779300	50.0