LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060020.D
Acq On : 20 Aug 2018 23:34
Operator : VA/AP
Sample : J4524-01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

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\82F081718S.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	1.092	54	57	60	rVB2	11941	18128	1.31%	0.094%
2	2.284	173	178	181	rBV	16089	34532	2.50%	0.179%
3	4.187	364	371	377	rBV2	12383	42823	3.10%	0.222%
4	4.295	377	382	390	rVB3	17210	54114	3.92%	0.280%
5	5.035	449	457	471	rBV2	289015	1000531	72.54%	5.183%
6	5.774	524	532	546	rBV	266945	735051	53.29%	3.808%
7	7.716	723	729	739	rVV	387241	927962	67.28%	4.807%
8	8.425	798	801	808	rVB5	9596	23649	1.71%	0.123%
9	8.603	815	819	824	rVB4	11918	29722	2.15%	0.154%
10	8.770	832	836	840	rBV2	17773	44282	3.21%	0.229%
11	9.115	867	871	876	rBV4	20372	57083	4.14%	0.296%
12	9.253	881	885	891	rVB2	36438	86812	6.29%	0.450%
13	9.431	897	903	909	rBV	33952	81465	5.91%	0.422%
14	9.924	948	953	960	rBV	442431	1046946	75.91%	5.424%
15	10.032	960	964	971	rVB	166694	367029	26.61%	1.901%
16	10.269	984	988	994	rBV	132433	279701	20.28%	1.449%
17	10.377	994	999	1006	rVV5	30406	109325	7.93%	0.566%
18	10.486	1006	1010	1016	rVB4	22382	61478	4.46%	0.318%
19	10.643	1019	1026	1033	rBV5	41416	156706	11.36%	0.812%
20	10.791	1036	1041	1043	rVV2	163730	362435	26.28%	1.878%
21	10.831	1043	1045	1049	rVV	126571	232707	16.87%	1.206%
22	10.900	1049	1052	1053	rVV2	30504	61237	4.44%	0.317%
23	10.939	1053	1056	1059	rVV2	47660	101514	7.36%	0.526%
24	10.988	1059	1061	1064	rVV4	16738	28783	2.09%	0.149%
25	11.057	1064	1068	1071	rVB5	22027	50268	3.64%	0.260%
26	11.146	1073	1077	1080	rBV4	42118	112067	8.13%	0.581%
27	11.225	1080	1085	1087	rVV3	113628	268079	19.44%	1.389%
28	11.254	1087	1088	1092	rVV	104979	152241	11.04%	0.789%
29	11.373	1093	1100	1104	rVB2	177528	373705	27.10%	1.936%
30	11.511	1109	1114	1120	rBV	500689	953640	69.14%	4.940%
31	11.590	1120	1122	1125	rVB3	29853	48961	3.55%	0.254%
32	11.649	1125	1128	1130	rBV	115457	173341	12.57%	0.898%
33	11.698	1130	1133	1135	rBV	50998	86880	6.30%	0.450%
34	11.747	1135	1138	1141	rBV	621690	852557	61.81%	4.417%

LSC Area Percent Report

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Operator : VA/AP
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ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

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\82F081718S.M
Title : SW846 8260

35	11.806	1141	1144	1148	rVB	324273	601122	43.58%	3.114%
36	11.866	1148	1150	1152	rVB	32857	46954	3.40%	0.243%
37	11.915	1152	1155	1158	rVB	276354	397992	28.86%	2.062%
38	11.974	1158	1161	1164	rBV	31296	48293	3.50%	0.250%
39	12.043	1164	1168	1169	rBV3	45692	94173	6.83%	0.488%
40	12.082	1169	1172	1174	rBV	213957	370903	26.89%	1.921%
41	12.151	1177	1179	1184	rVB4	31339	67421	4.89%	0.349%
42	12.230	1184	1187	1190	rBV4	51049	134231	9.73%	0.695%
43	12.289	1190	1193	1198	rVB	945645	1379213	100.00%	7.145%
44	12.388	1198	1203	1207	rVB3	67285	150278	10.90%	0.779%
45	12.457	1207	1210	1212	rBV	73722	119687	8.68%	0.620%
46	12.506	1212	1215	1217	rBV2	105566	186475	13.52%	0.966%
47	12.634	1223	1228	1231	rBV	766623	1160655	84.15%	6.013%
48	12.694	1231	1234	1237	rVB	421965	616737	44.72%	3.195%
49	12.812	1243	1246	1247	rBV2	68157	105815	7.67%	0.548%
50	12.851	1247	1250	1251	rVV	249533	366581	26.58%	1.899%
51	12.891	1251	1254	1261	rVB3	541083	1212763	87.93%	6.283%
52	13.009	1263	1266	1271	rBV6	49600	115038	8.34%	0.596%
53	13.078	1271	1273	1277	rVB	144231	220369	15.98%	1.142%
54	13.167	1277	1282	1286	rBV	167933	429283	31.13%	2.224%
55	13.226	1286	1288	1292	rVV	175639	255852	18.55%	1.325%
56	13.324	1294	1298	1300	rVV2	102627	190913	13.84%	0.989%
57	13.364	1300	1302	1305	rVV3	74514	152542	11.06%	0.790%
58	13.453	1309	1311	1313	rBV	52670	63777	4.62%	0.330%
59	13.492	1313	1315	1319	rVB2	70587	91124	6.61%	0.472%
60	13.571	1319	1323	1325	rBV	85023	117239	8.50%	0.607%
61	13.610	1325	1327	1330	rVV	159641	229868	16.67%	1.191%
62	13.650	1330	1331	1333	rVB	41077	32265	2.34%	0.167%
63	13.679	1333	1334	1336	rBV	28319	43122	3.13%	0.223%
64	13.778	1340	1344	1347	rBV2	167182	267876	19.42%	1.388%
65	13.827	1347	1349	1352	rVB3	30577	45187	3.28%	0.234%
66	13.876	1352	1354	1356	rBV	40370	57099	4.14%	0.296%
67	13.945	1356	1361	1363	rBV2	124653	279058	20.23%	1.446%
68	13.985	1363	1365	1367	rVB2	50232	67250	4.88%	0.348%
69	14.044	1367	1371	1376	rVB	124687	198648	14.40%	1.029%
70	14.123	1376	1379	1380	rBV3	14241	22052	1.60%	0.114%
71	14.143	1380	1381	1384	rVB	17837	24091	1.75%	0.125%

LSC Area Percent Report

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ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

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\82F081718S.M
Title : SW846 8260

72	14.221	1384	1389	1392	rBV4	48604	114568	8.31%	0.594%
73	14.281	1393	1395	1399	rVB2	27446	45875	3.33%	0.238%
74	14.527	1416	1420	1423	rBV	85178	132843	9.63%	0.688%
75	14.675	1433	1435	1440	rVB4	6408	17612	1.28%	0.091%
76	14.803	1445	1448	1452	rVB3	10337	14840	1.08%	0.077%

Sum of corrected areas: 19303438

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060020.D
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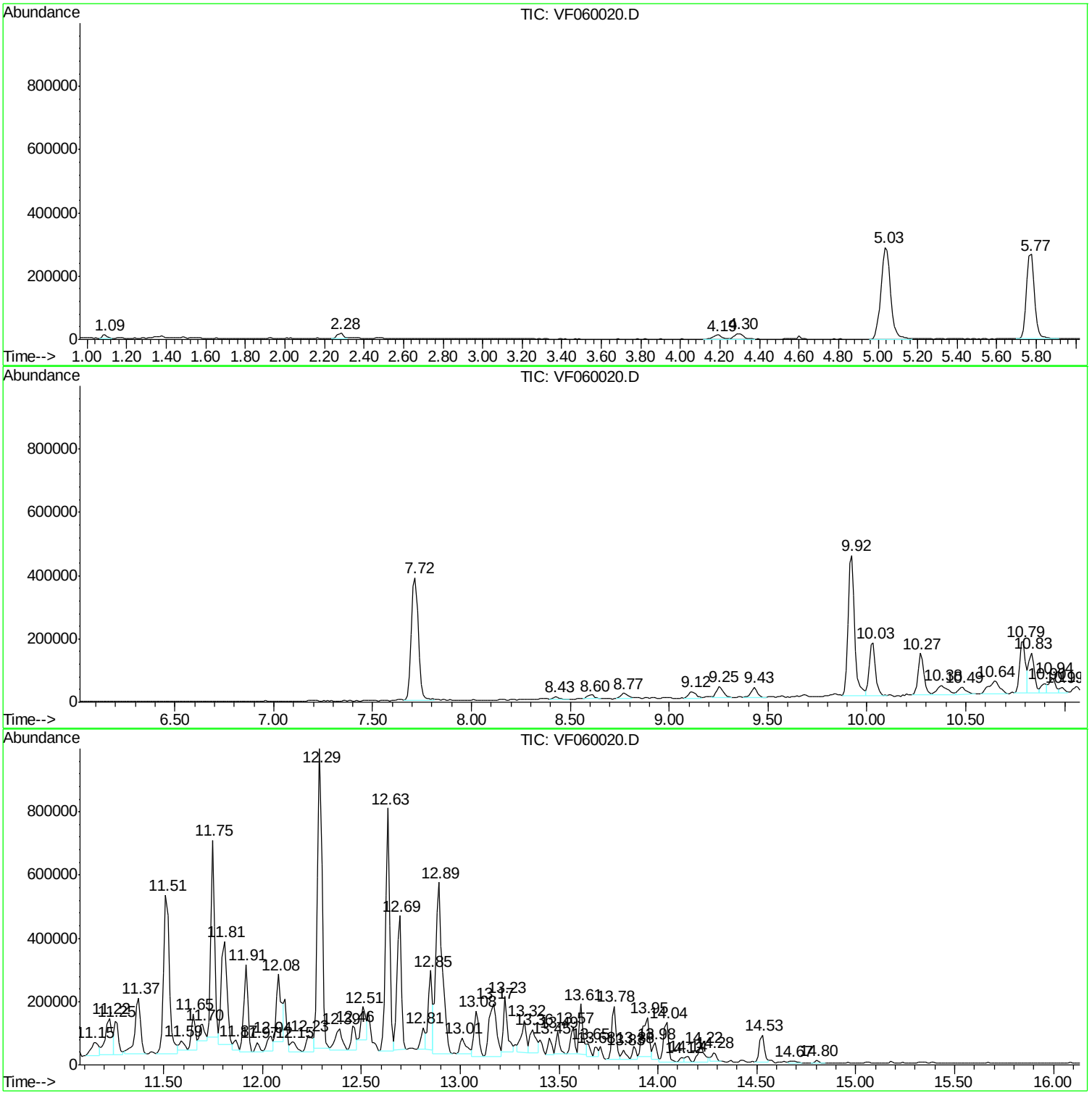
Operator : VA/AP
Sample : J4524-01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.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\VF082018\
Data File : VF060020.D
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Sample : J4524-01
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ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

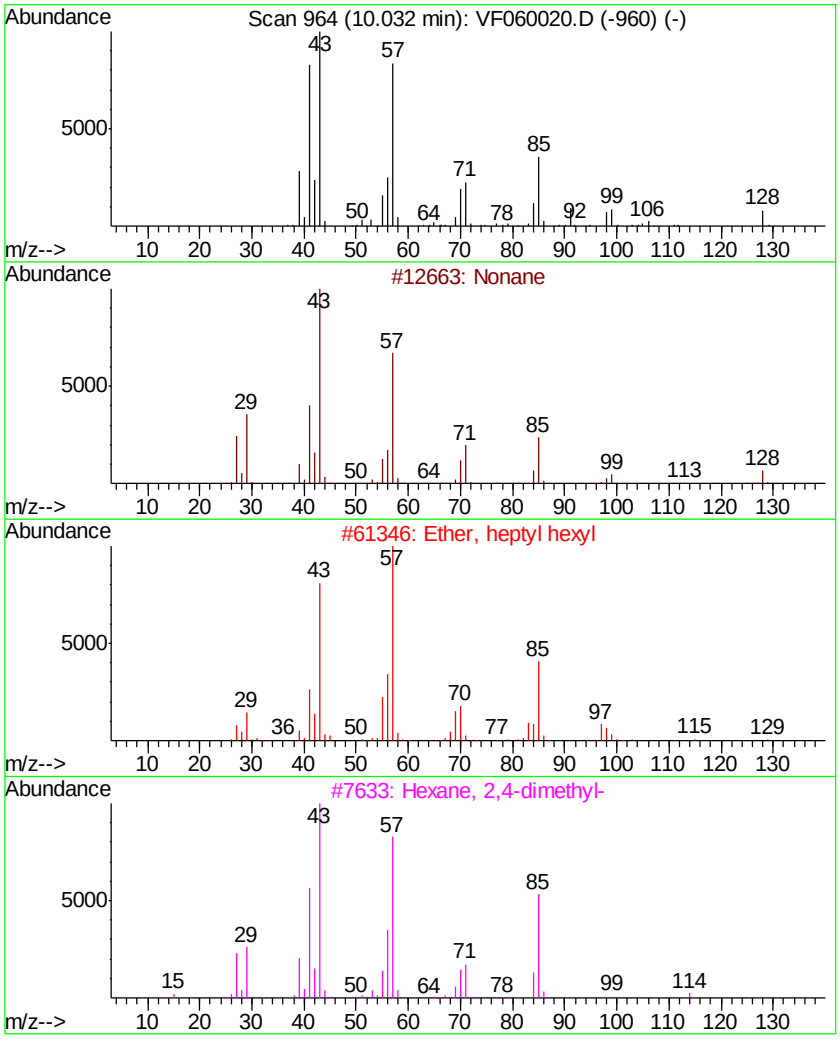
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

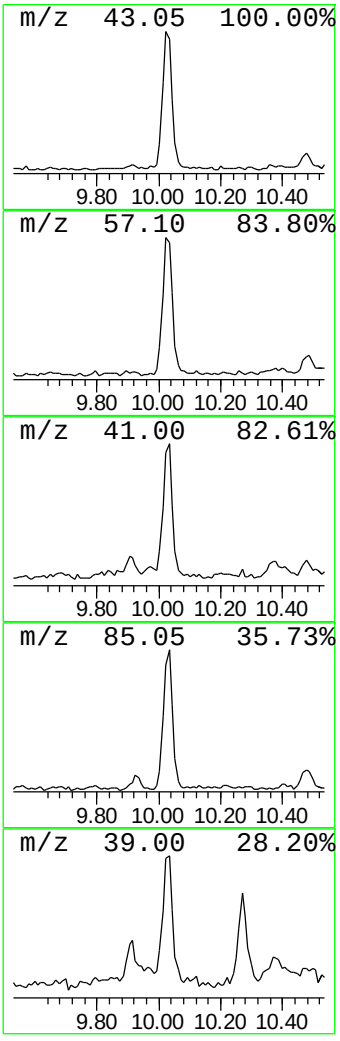
****

Peak Number 1 Nonane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	17.53 ug/l	367029	Chlorobenzene-d5	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	87
2	Ether, heptyl hexyl	200	C13H28O	007289-40-9	50
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4	Octane	114	C8H18	000111-65-9	47
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47





Library Search Compound Report

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Sample : J4524-01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

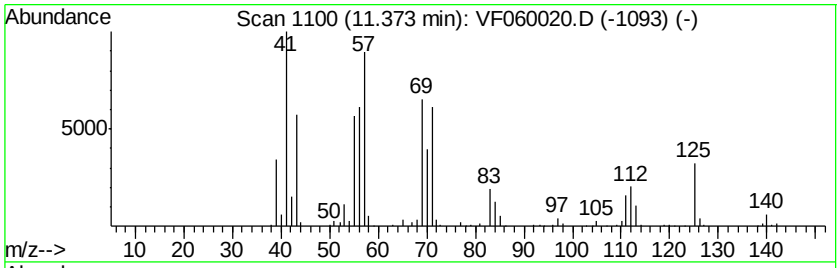
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

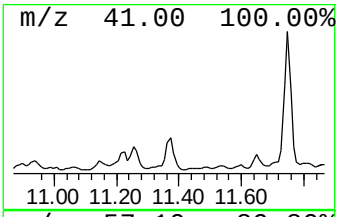
****

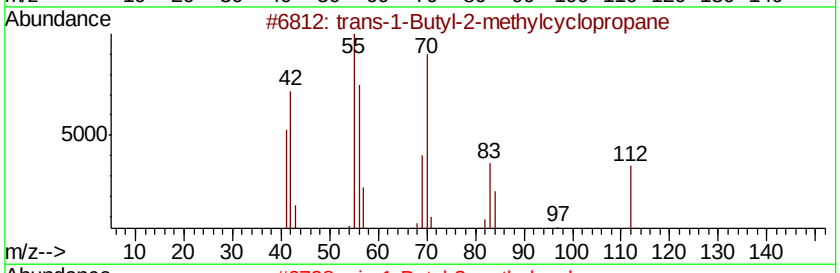
Peak Number 2 trans-1-Butyl-2-methylcyclo... Concentration Rank 6

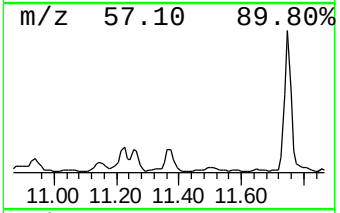
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	16.10 ug/l	373705	1,4-Dichlorobenzene-d4	12.63

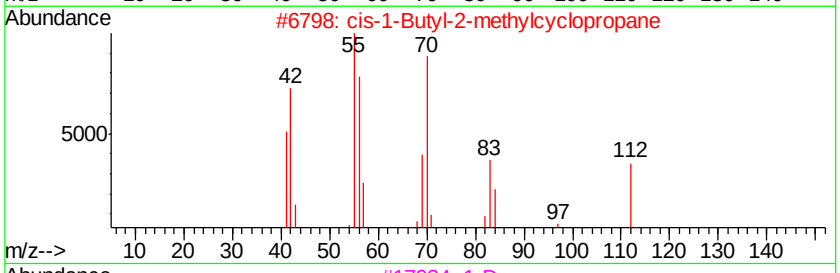
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
2	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
3	1-Decene	140	C10H20	000872-05-9	43
4	Cyclopentanone, 2,3-dimethyl-	112	C7H12O	1000151-06-7	38
5	2-Methylcyclohexylamine	113	C7H15N	007003-32-9	38

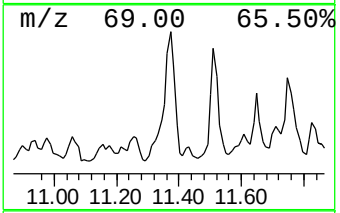


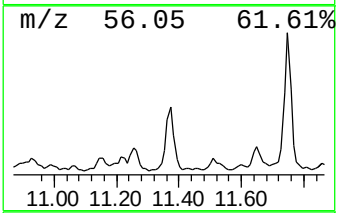


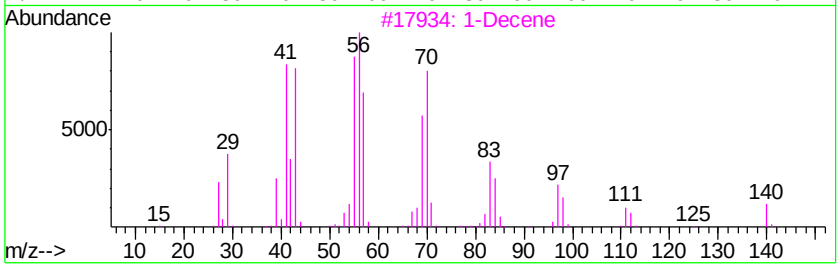


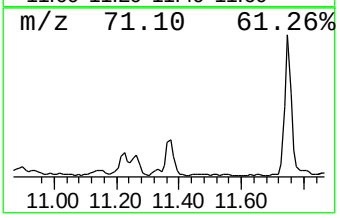












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Quant Title : SW846 8260

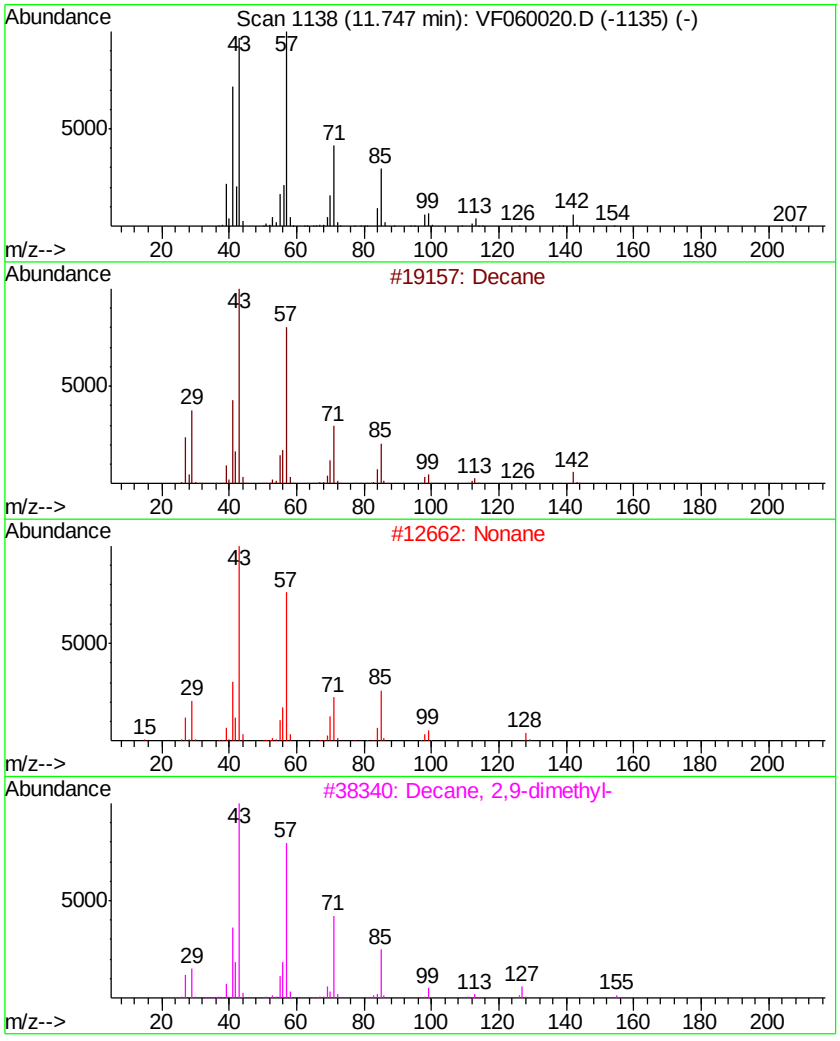
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

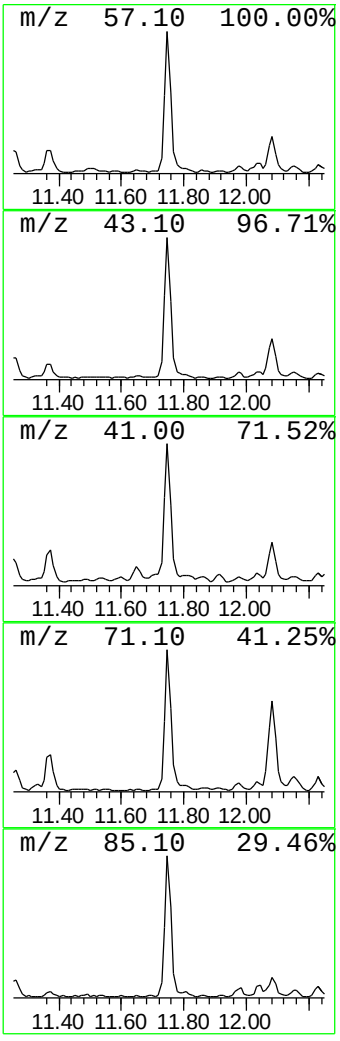
****

Peak Number 3 Decane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	36.73 ug/l	852557	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	97
2	Nonane	128	C9H20	000111-84-2	72
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
4	Hexatriacontane	507	C36H74	000630-06-8	64
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

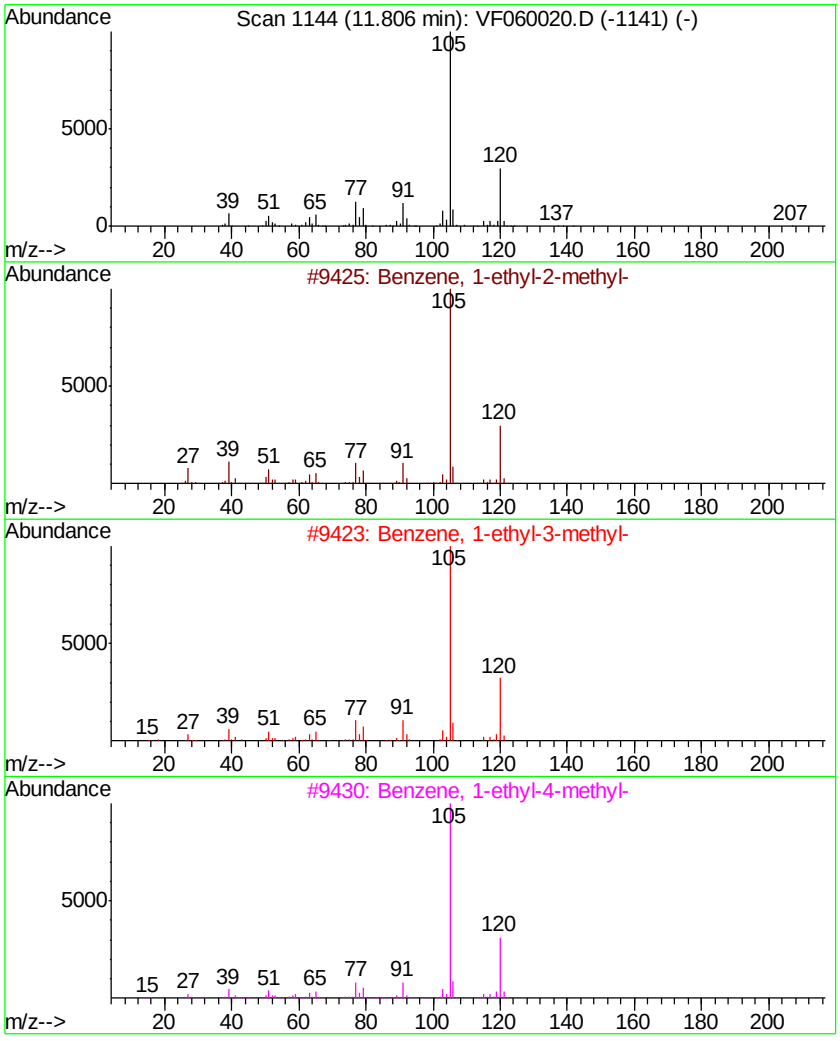
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

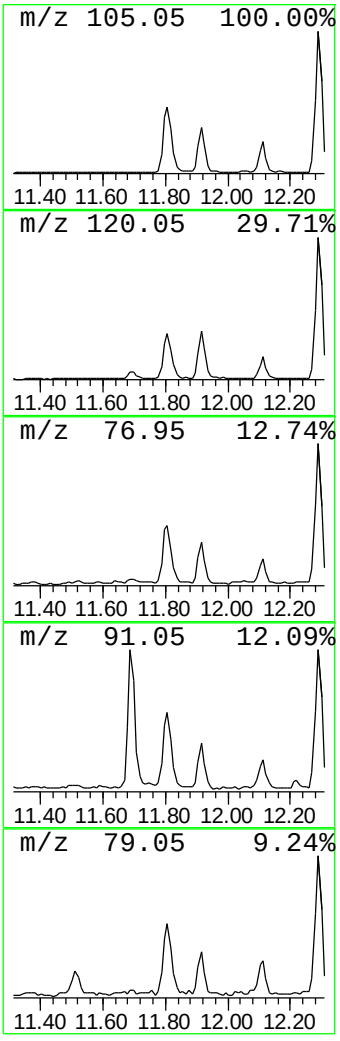
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	25.90 ug/l	601122	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

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Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

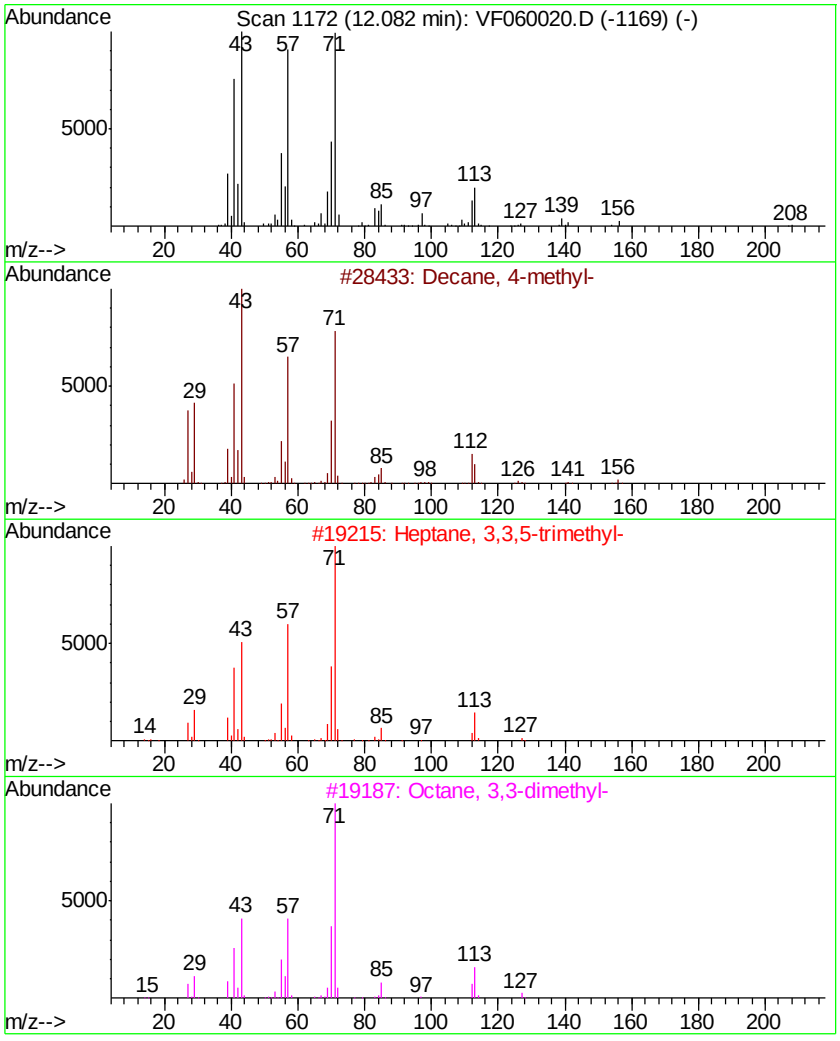
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

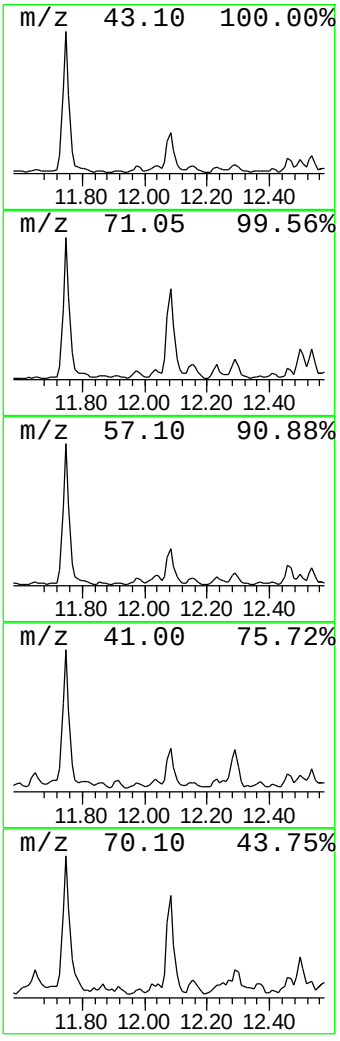
****

Peak Number 5 Decane, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	15.98 ug/l	370903	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
3	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
4	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	53
5	Octane, 2-iodo-	240	C8H17I	000557-36-8	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060020.D
Acq On : 20 Aug 2018 23:34
Operator : VA/AP
Sample : J4524-01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

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

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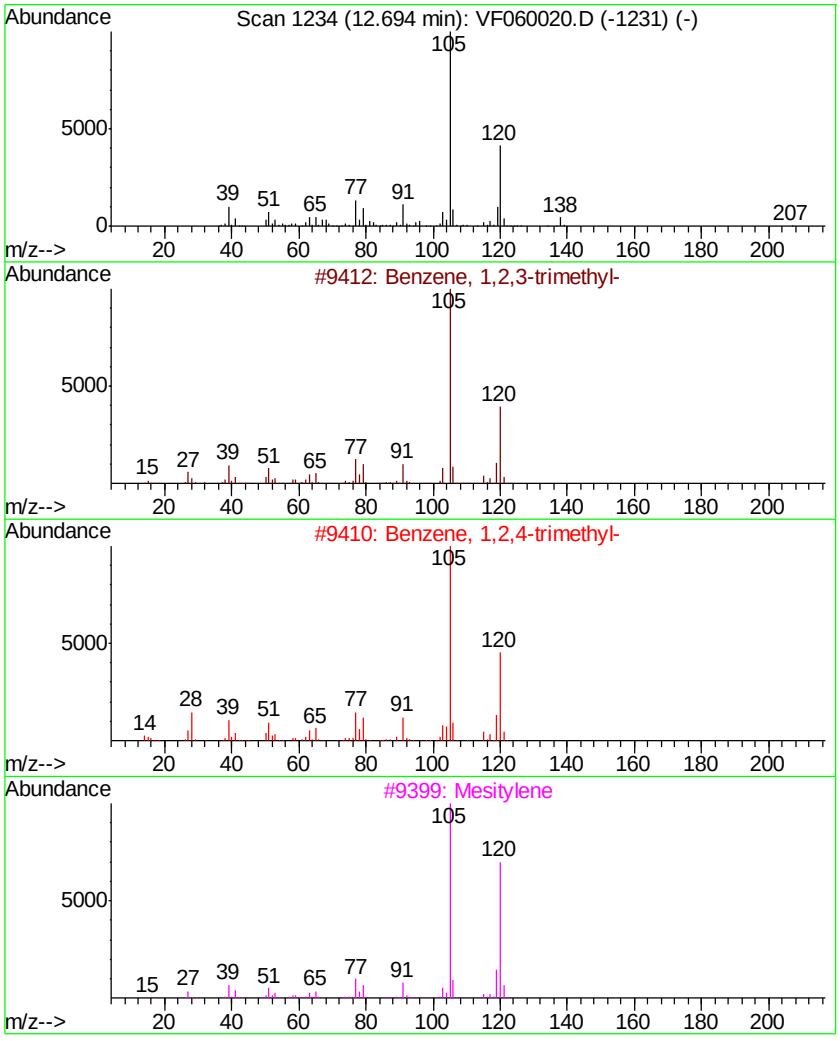
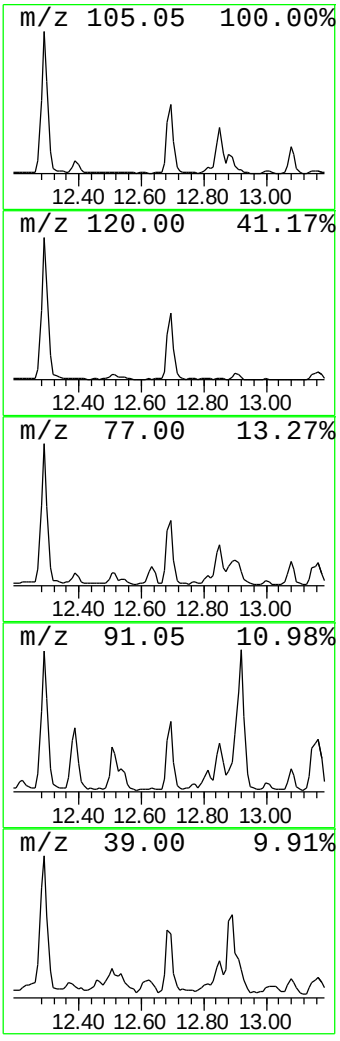
Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	26.57 ug/l	616737	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





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Data File : VF060020.D
Acq On : 20 Aug 2018 23:34
Operator : VA/AP
Sample : J4524-01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

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

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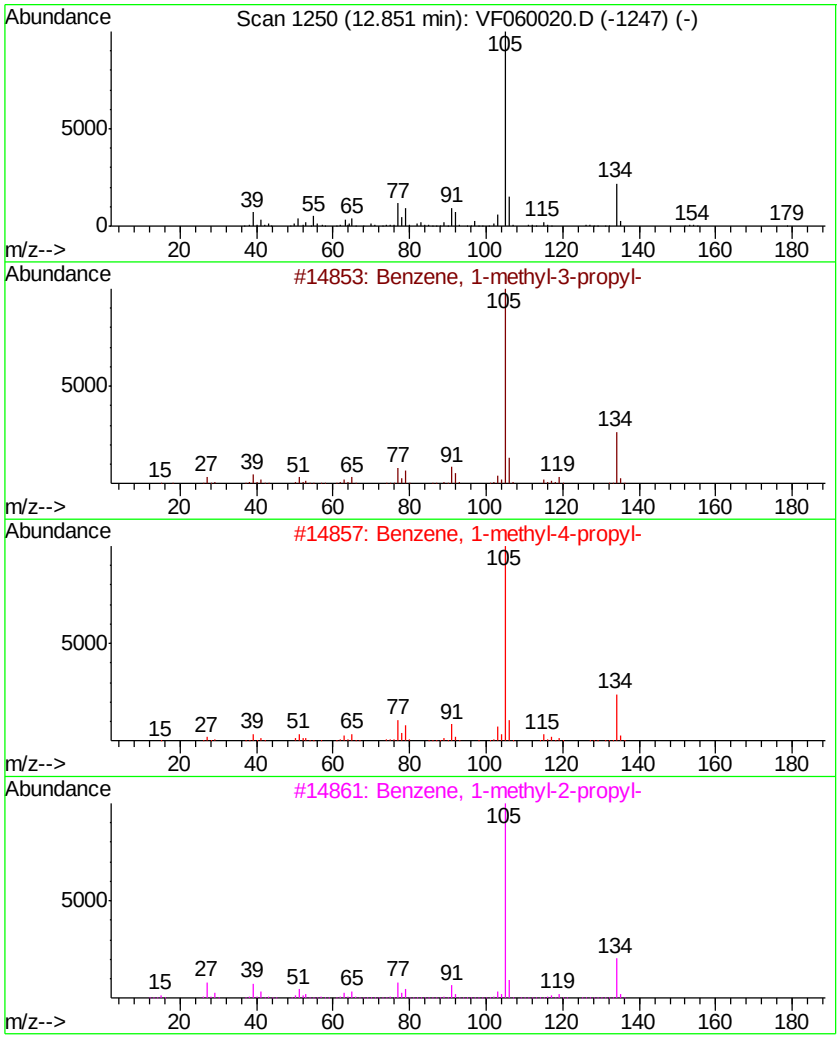
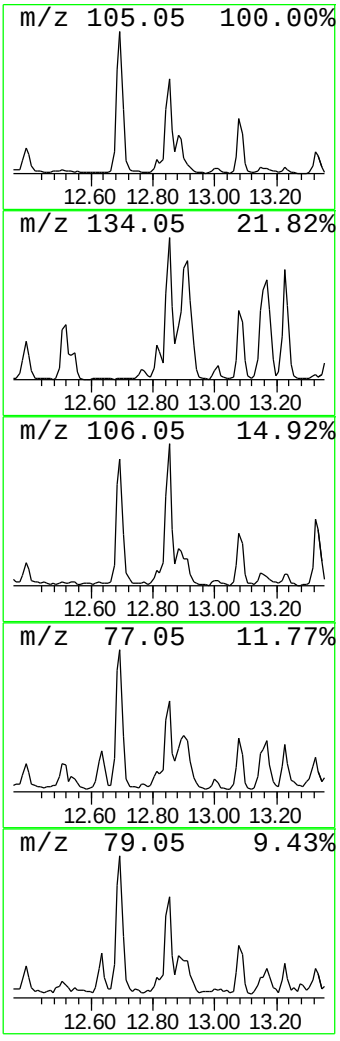
Peak Number 7 Benzene, 1-methyl-3-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.85	15.79 ug/l	366581	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060020.D
Acq On : 20 Aug 2018 23:34
Operator : VA/AP
Sample : J4524-01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

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

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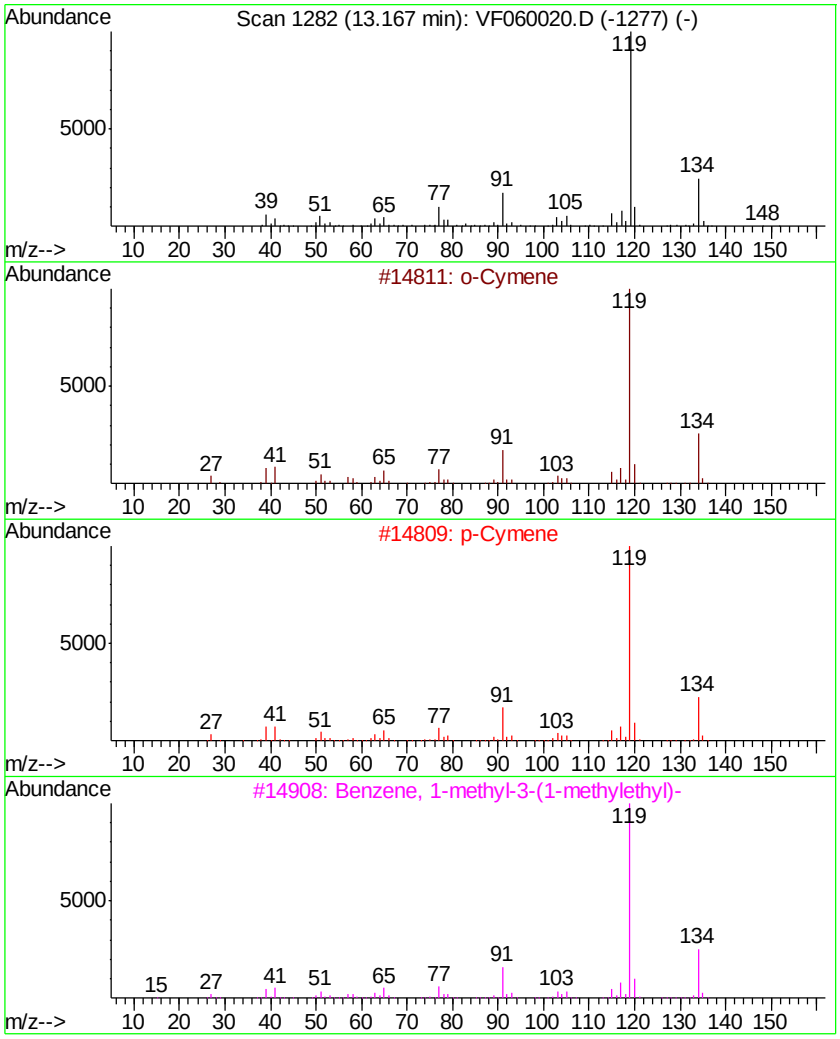
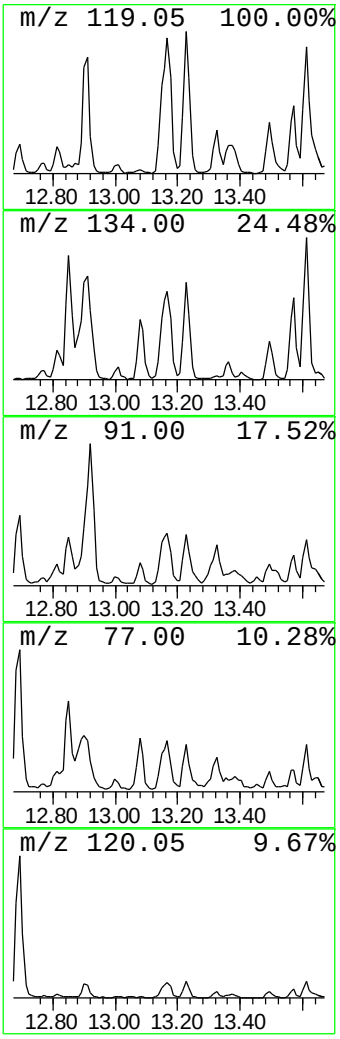
Peak Number 8 o-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	18.49 ug/l	429283	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Library Search Compound Report

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Data File : VF060020.D
Acq On : 20 Aug 2018 23:34
Operator : VA/AP
Sample : J4524-01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

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

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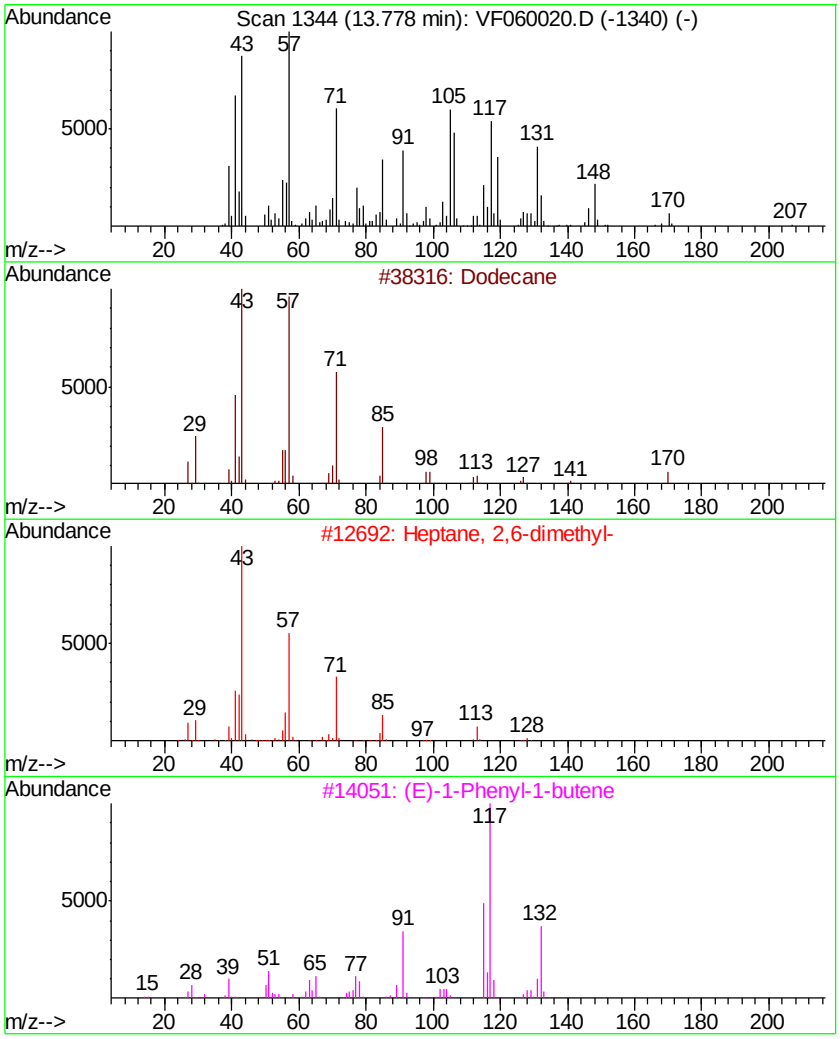
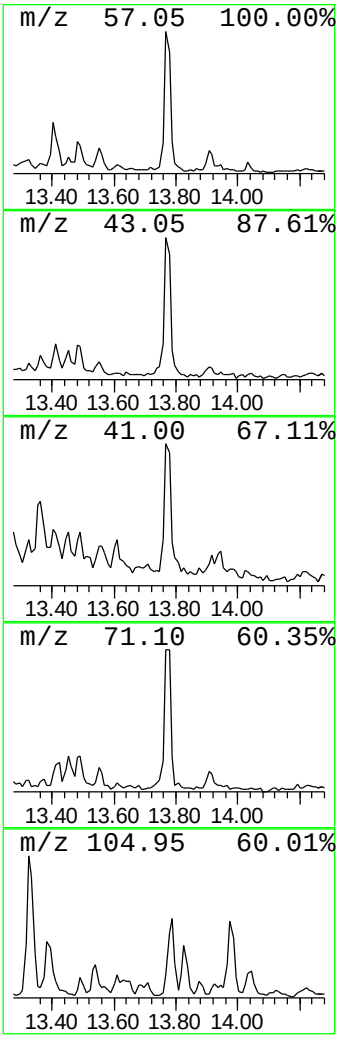
Peak Number 9 unknown13.78 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	11.54 ug/l	267876	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	45
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	11
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	11
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	11
5	Azulene, 1,2,3,3a-tetrahydro-	132	C10H12	033877-87-1	11





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060020.D
Acq On : 20 Aug 2018 23:34
Operator : VA/AP
Sample : J4524-01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260

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

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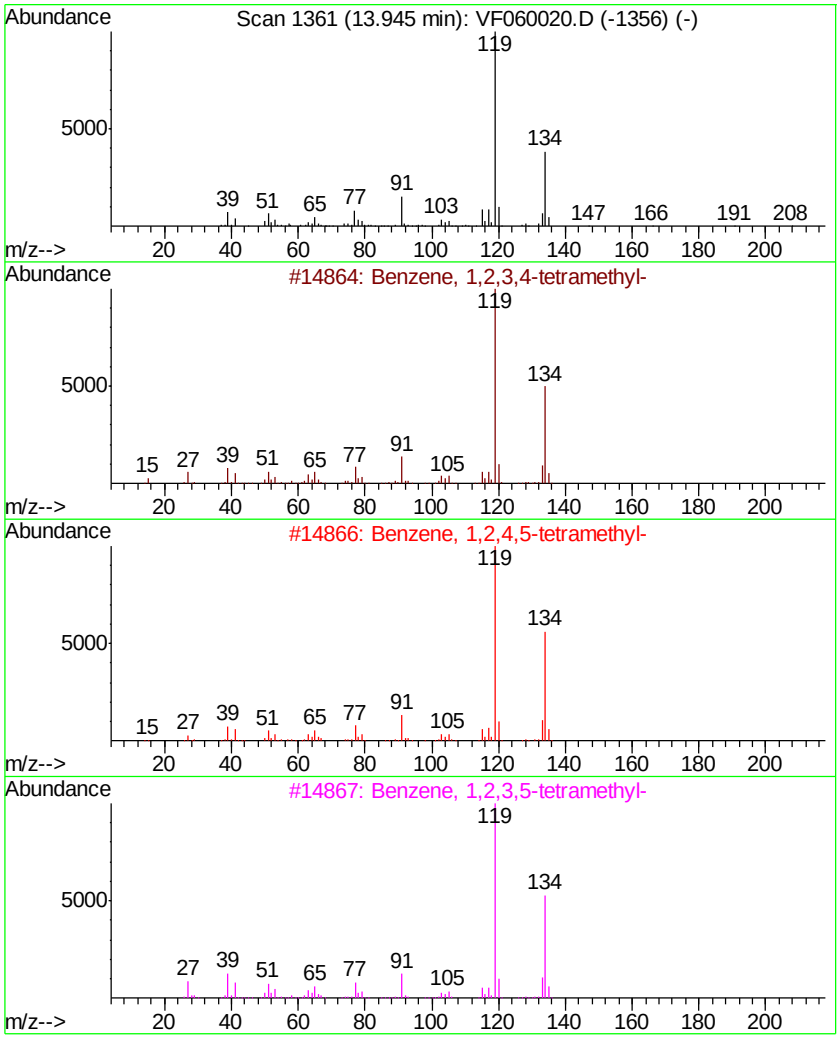
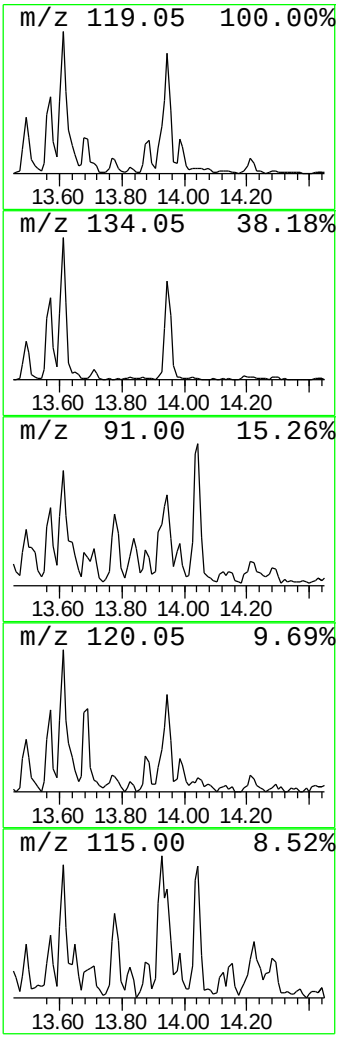
Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	12.02 ug/l	279058	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082018\
Data File : VF060020.D
Acq On : 20 Aug 2018 23:34
Operator : VA/AP
Sample : J4524-01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : Y-1802

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.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
Nonane	10.03	17.5	ug/l	367029	3	9.92	1046950	50.0
trans-1-Butyl-2-m...	11.37	16.1	ug/l	373705	4	12.63	1160660	50.0
Decane	11.75	36.7	ug/l	852557	4	12.63	1160660	50.0
Benzene, 1-ethyl-...	11.81	25.9	ug/l	601122	4	12.63	1160660	50.0
Decane, 4-methyl-	12.08	16.0	ug/l	370903	4	12.63	1160660	50.0
Benzene, 1,2,3-tr...	12.69	26.6	ug/l	616737	4	12.63	1160660	50.0
Benzene, 1-methyl...	12.85	15.8	ug/l	366581	4	12.63	1160660	50.0
o-Cymene	13.17	18.5	ug/l	429283	4	12.63	1160660	50.0
unknown13.78	13.78	11.5	ug/l	267876	4	12.63	1160660	50.0
Benzene, 1,2,3,4-...	13.95	12.0	ug/l	279058	4	12.63	1160660	50.0