

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112018\
 Data File : VF060821.D
 Acq On : 20 Nov 2018 23:57
 Operator : VA/AP
 Sample : J5981-02
 Misc : 4.71q/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 DTW-02(11-13)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.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	4.645	398	407	423	rBV	4188176	15571307	21.06%	5.521%
2	4.872	423	430	435	rVV2	226298	850978	1.15%	0.302%
3	6.825	619	628	642	rVB	226105	837655	1.13%	0.297%
4	7.565	699	703	705	rVV	337053	787834	1.07%	0.279%
5	7.634	705	710	719	rVB	3469715	9326412	12.61%	3.307%
6	9.785	923	928	934	rBV	382258	874098	1.18%	0.310%
7	9.913	934	941	951	rVV	4678994	12085134	16.34%	4.285%
8	10.150	958	965	971	rBV	5965861	15320727	20.72%	5.432%
9	10.722	1018	1023	1027	rVV	4088286	8701589	11.77%	3.085%
10	10.791	1027	1030	1043	rVB	1452658	2932643	3.97%	1.040%
11	11.718	1120	1124	1129	rVB	1672071	3494884	4.73%	1.239%
12	11.827	1132	1135	1139	rBV	1926280	3182516	4.30%	1.128%
13	12.024	1150	1155	1158	rBV	673050	1222598	1.65%	0.433%
14	12.083	1158	1161	1165	rVB	737484	1156579	1.56%	0.410%
15	12.211	1171	1174	1178	rVV	4006319	6403172	8.66%	2.270%
16	12.300	1180	1183	1185	rVV	673116	1037877	1.40%	0.368%
17	12.339	1185	1187	1190	rVV	2293294	3748128	5.07%	1.329%
18	12.389	1190	1192	1195	rVV	1032006	1406590	1.90%	0.499%
19	12.576	1204	1211	1213	rBV	3479937	5991427	8.10%	2.124%
20	12.616	1213	1215	1222	rVB	1800414	2860990	3.87%	1.014%
21	12.734	1222	1227	1234	rBV	9124357	17794826	24.07%	6.309%
22	13.040	1252	1258	1261	rBV	14065879	31114574	42.08%	11.032%
23	13.158	1268	1270	1275	rBV2	402511	859938	1.16%	0.305%
24	13.395	1291	1294	1301	rVB2	563533	989359	1.34%	0.351%
25	13.543	1307	1309	1313	rVB	1710938	2326372	3.15%	0.825%
26	13.671	1318	1322	1325	rBV	1904050	3812774	5.16%	1.352%
27	13.711	1325	1326	1334	rVB	1175676	1815089	2.45%	0.644%
28	13.859	1338	1341	1347	rBV2	1043039	2265206	3.06%	0.803%
29	13.977	1349	1353	1358	rBV	2913425	6000286	8.11%	2.127%
30	14.056	1358	1361	1362	rVV	1264241	1935470	2.62%	0.686%
31	14.085	1362	1364	1369	rVV	2649384	4937246	6.68%	1.751%
32	14.490	1398	1405	1411	rBV2	16828645	73940855	100.00%	26.216%
33	14.569	1411	1413	1424	rVV	5070697	9834483	13.30%	3.487%
34	15.299	1482	1487	1492	rBV	7713097	14440902	19.53%	5.120%

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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 >
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35	15.417	1496	1499	1509	rVB	5511577	10197434	13.79%	3.616%
36	15.792	1533	1537	1542	rVB	1277079	1986658	2.69%	0.704%

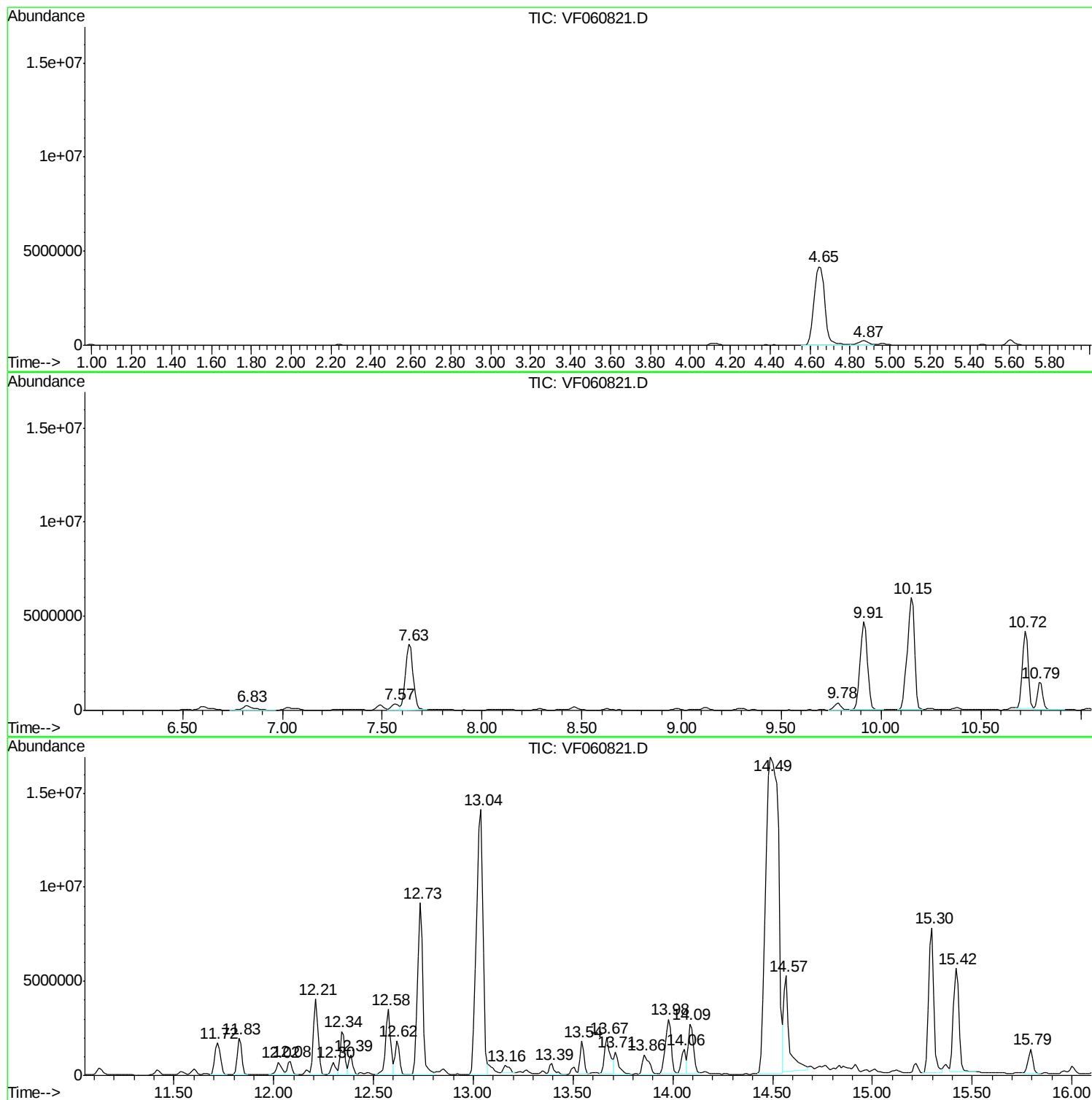
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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ClientSampled :
DTW-02(11-13)

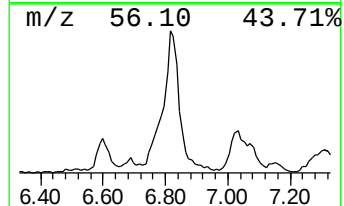
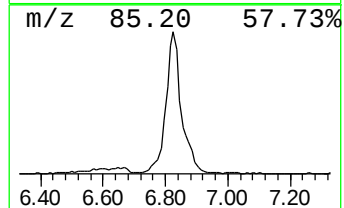
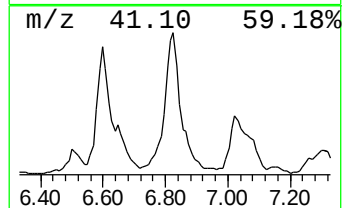
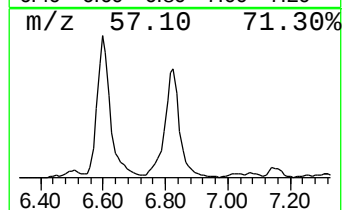
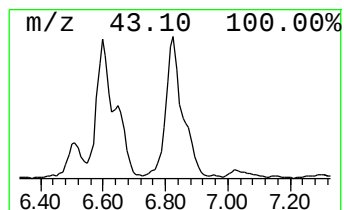
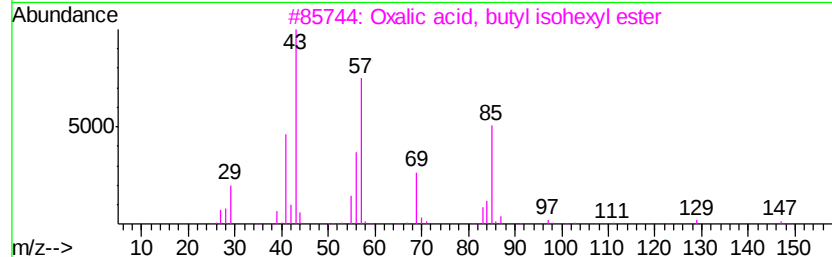
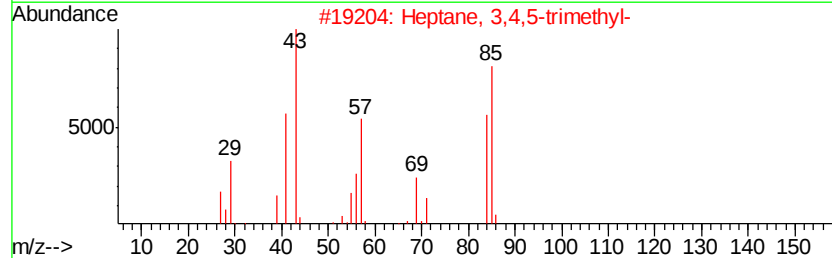
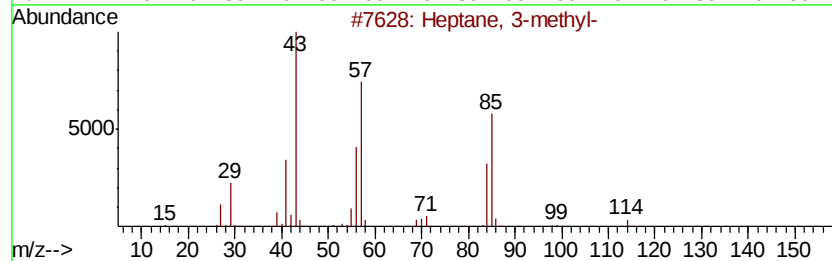
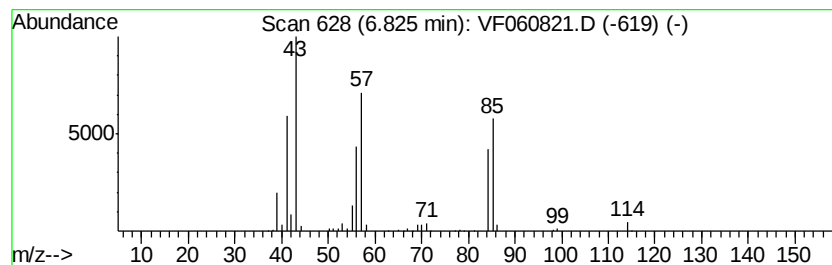
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Quant Title : SW846 8260

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

Peak Number 1 Heptane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	49.22 ug/l	837655	1,4-Difluorobenzene	5.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-methyl-	114	C8H18	000589-81-1	87
2		Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3		Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	53
4		Hexane, 2-methyl-	100	C7H16	000591-76-4	53
5		Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53



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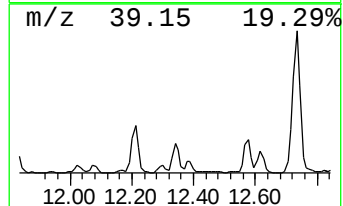
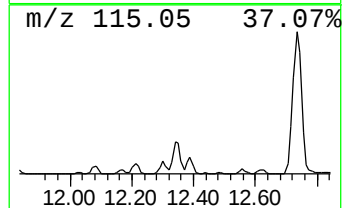
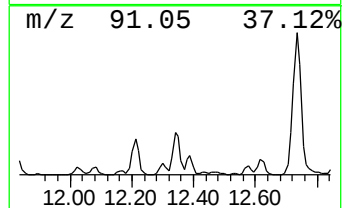
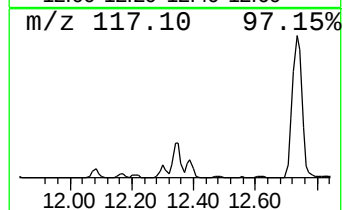
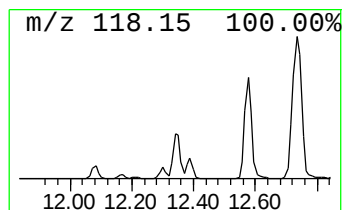
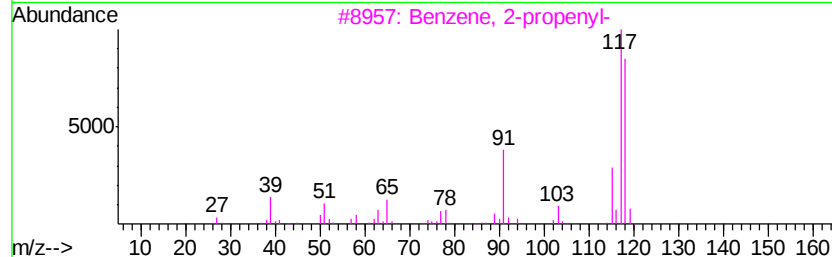
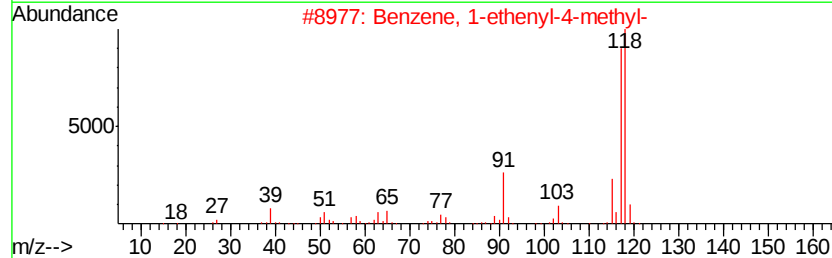
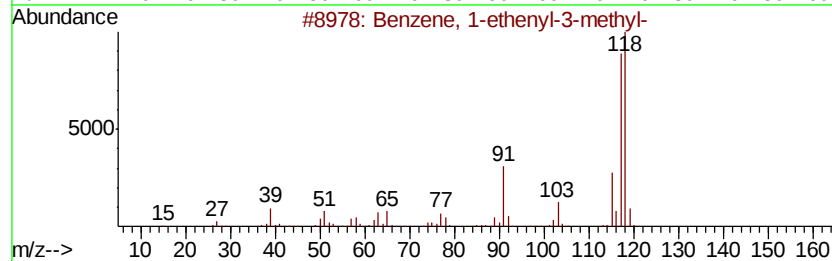
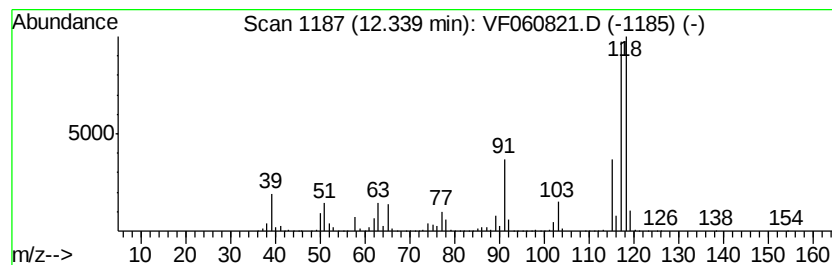
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Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.34	31.28 ug/l	3748130	1,4-Dichlorobenzene-d4	12.56	
Hit# of	5	Tentative ID	MW MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118 C9H10	000100-80-1	96	
2	Benzene, 1-ethenyl-4-methyl-	118 C9H10	000622-97-9	95	
3	Benzene, 2-propenyl-	118 C9H10	000300-57-2	95	
4	Benzene, 1-propenyl-	118 C9H10	000637-50-3	93	
5	Benzene, 1-ethenyl-2-methyl-	118 C9H10	000611-15-4	93	



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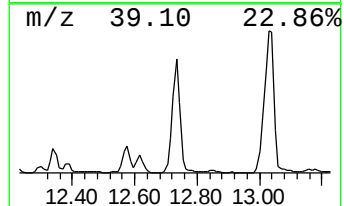
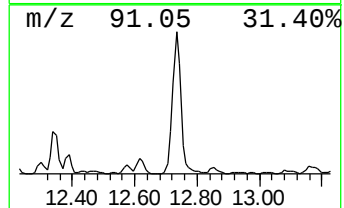
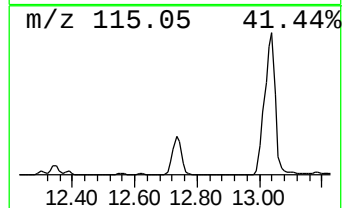
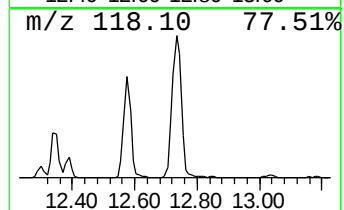
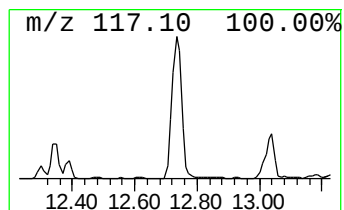
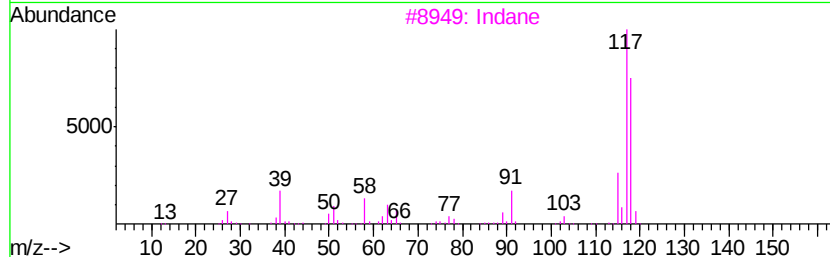
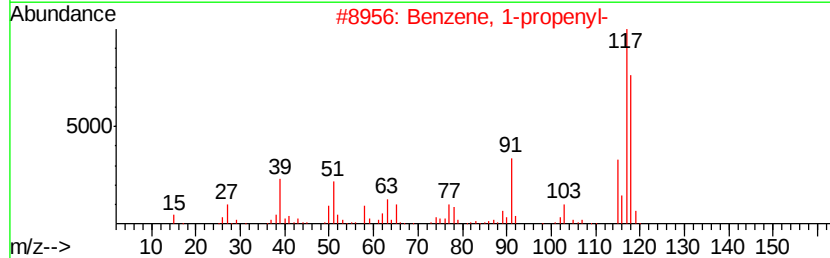
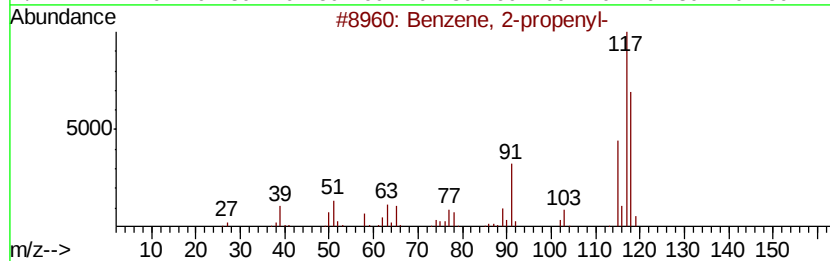
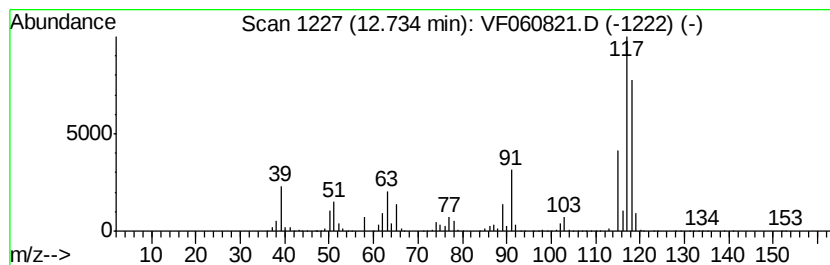
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Peak Number 3 Benzene, 2-propenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	148.50 ug/l	17794800	1,4-Dichlorobenzene-d4	12.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-propenyl-	118 C9H10	000300-57-2 94
2		Benzene, 1-propenyl-	118 C9H10	000637-50-3 93
3		Indane	118 C9H10	000496-11-7 91
4		Benzene, 1-ethenyl-4-methyl-	118 C9H10	000622-97-9 90
5		Benzene, cyclopropyl-	118 C9H10	000873-49-4 76



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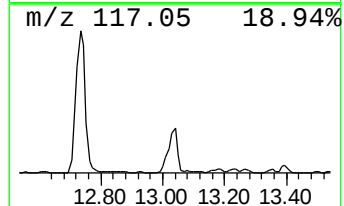
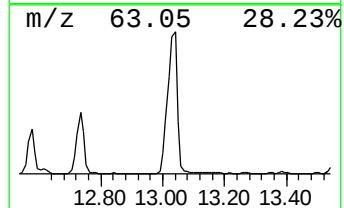
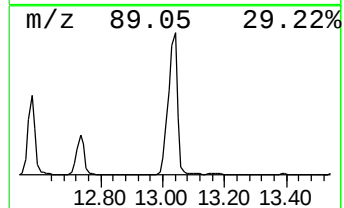
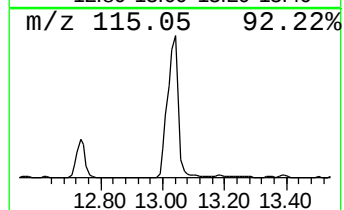
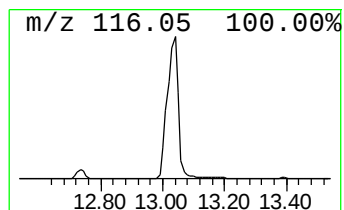
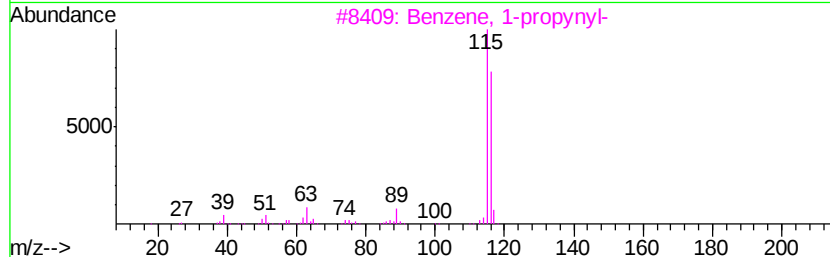
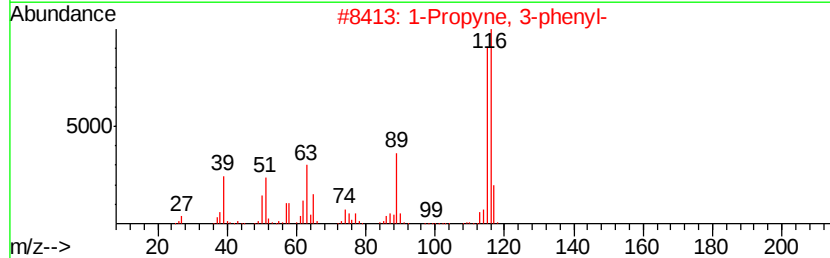
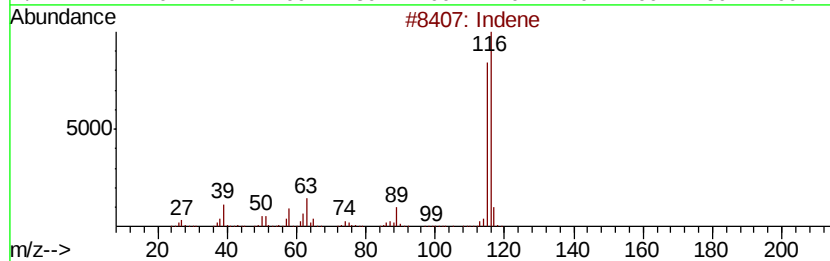
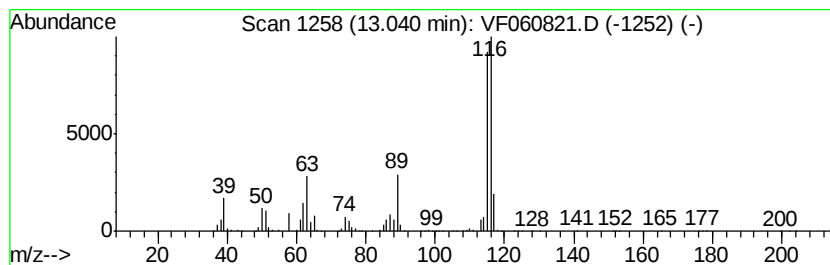
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	259.66 ug/l	31114600	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	96
2		1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3		Benzene, 1-propynyl-	116	C9H8	000673-32-5	64
4		3-Methylphenylacetylene	116	C9H8	000766-82-5	62
5		2-Methylphenylacetylene	116	C9H8	000766-47-2	53



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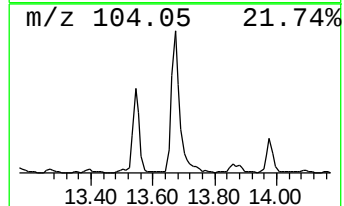
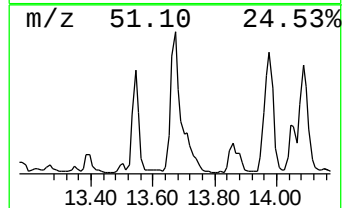
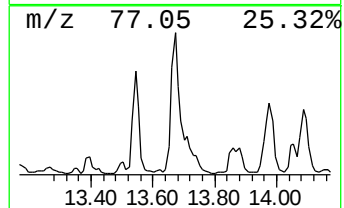
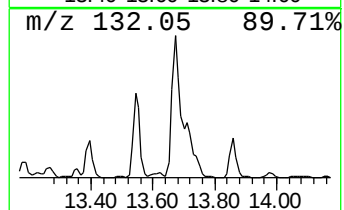
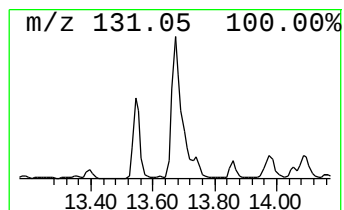
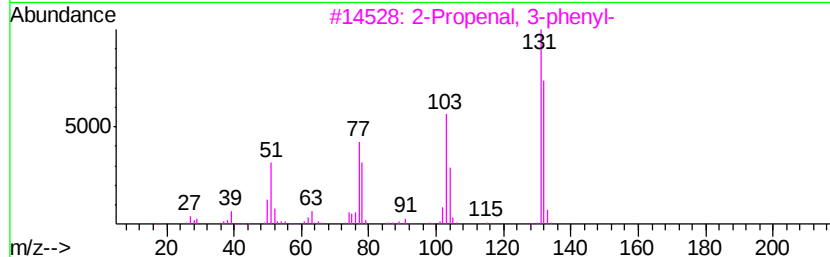
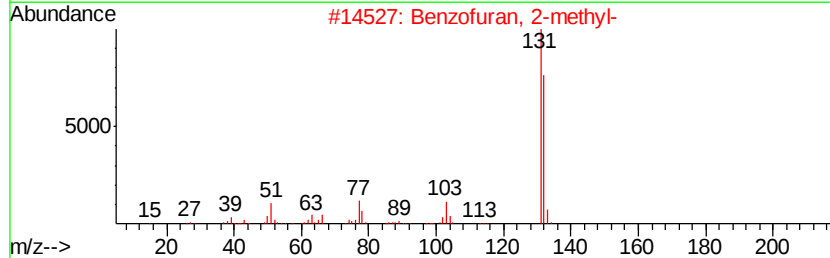
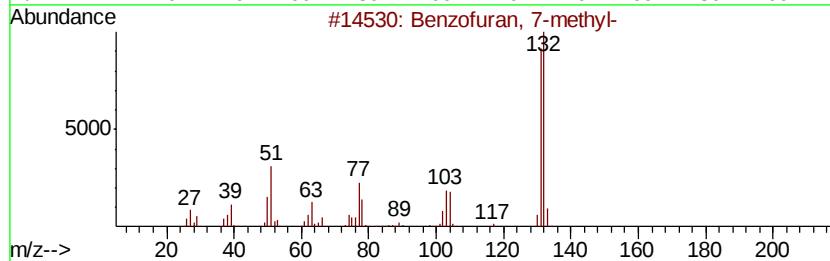
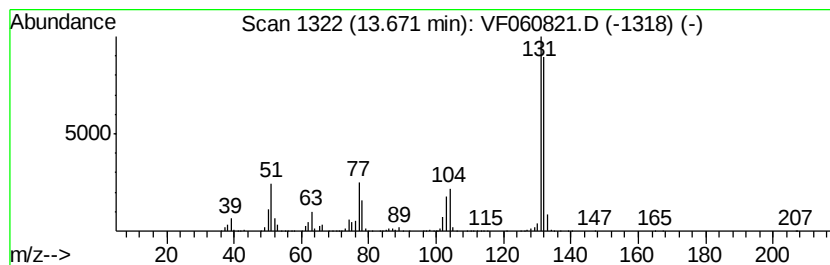
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TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzofuran, 7-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	31.82 ug/l	3812770	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2		Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
3		2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	91
4		1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	91
5		3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112018\
Data File : VF060821.D
Acq On : 20 Nov 2018 23:57
Operator : VA/AP
Sample : J5981-02
Misc : 4.71a/5mL/MSVOA-F/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)

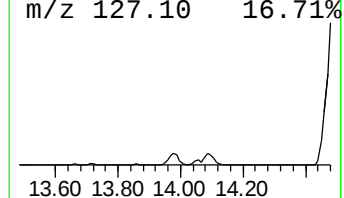
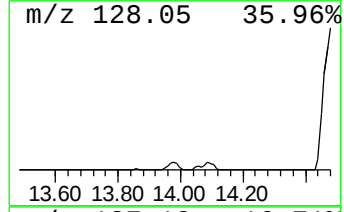
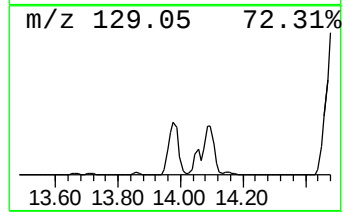
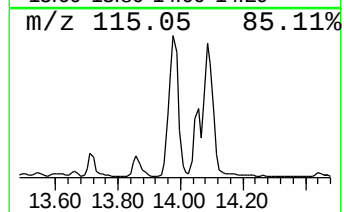
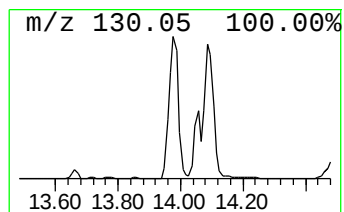
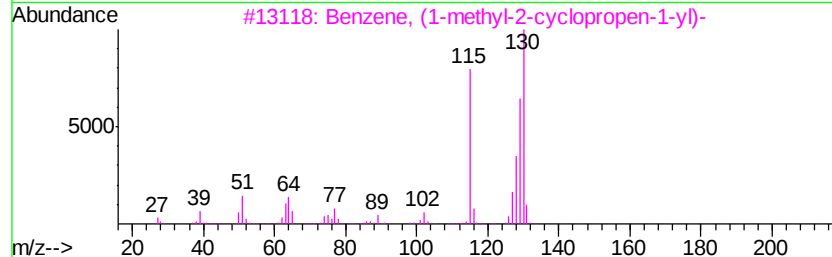
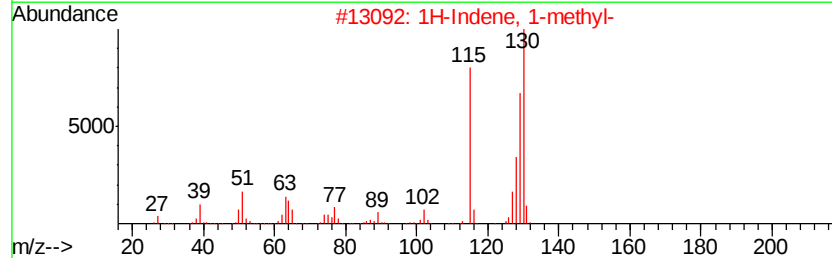
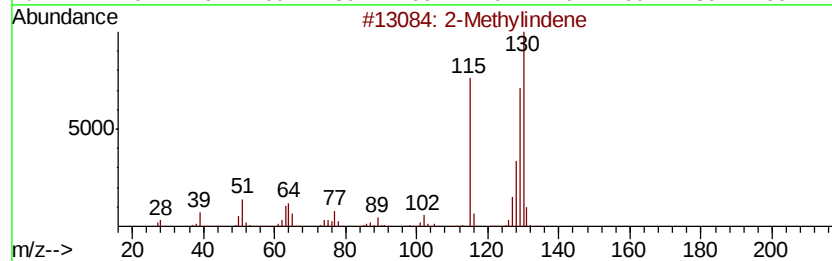
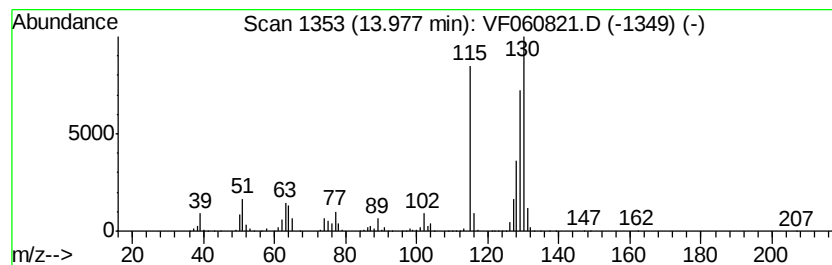
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Quant Title : SW846 8260

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

Peak Number 6 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	50.07 ug/l	6000290	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methylindene	130	C10H10	002177-47-1	97
2		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3		Benzene, (1-methyl-2-cyclopropen-1-yl)-	130	C10H10	065051-83-4	96
4		Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
5		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF112018\
Data File : VF060821.D
Acq On : 20 Nov 2018 23:57
Operator : VA/AP
Sample : J5981-02
Misc : 4.71q/5mL/MSVOA-F/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)

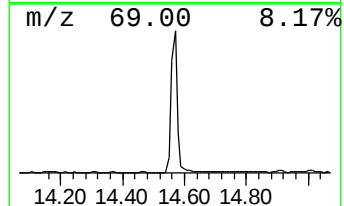
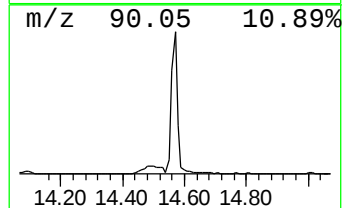
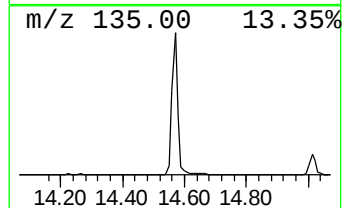
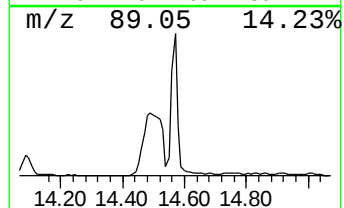
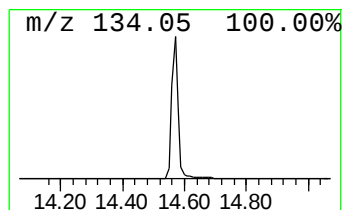
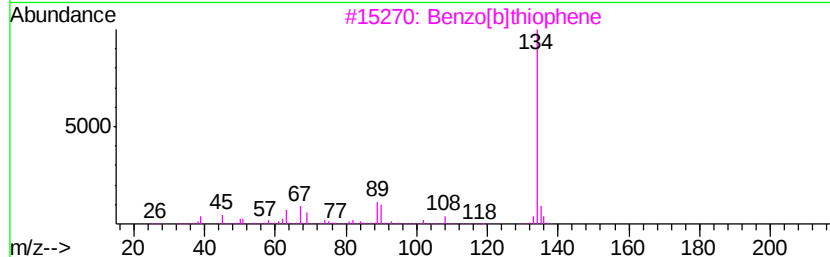
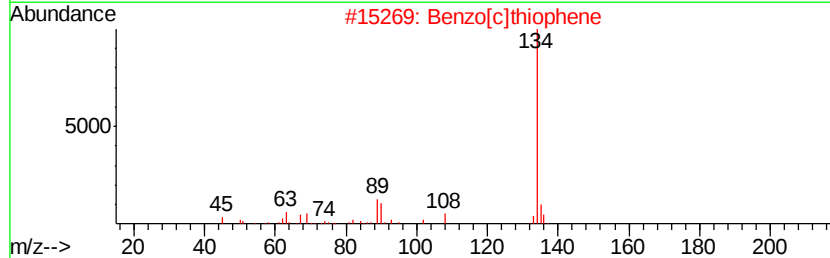
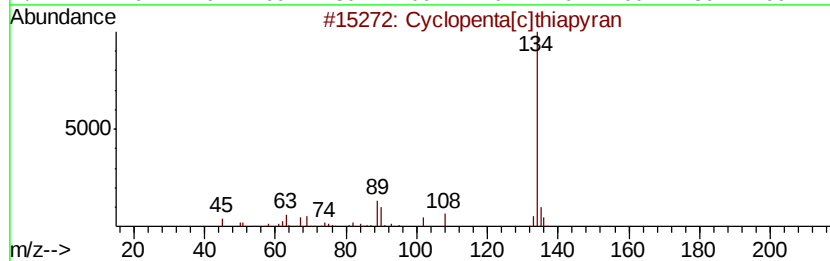
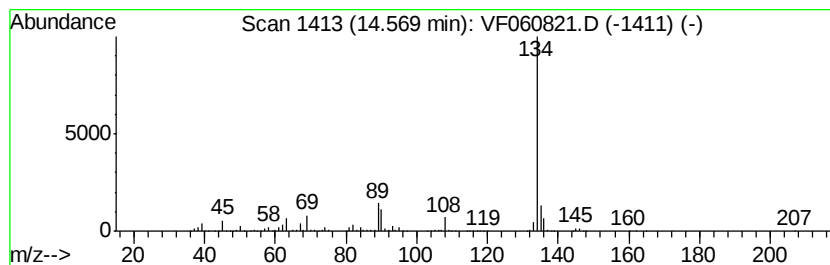
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Quant Title : SW846 8260

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

Peak Number 8 Cyclopenta[c]thiapyran Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	82.07 ug/l	9834480	1,4-Dichlorobenzene-d4	12.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	95
2		Benzo[c]thiophene	134	C8H6S	000270-82-6	94
3		Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4		[1]Benzo[thieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	56
5		Thiazolidin-4-one, 5-benzylideno...	287	C13H9N3OS2	351062-07-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
Data File : VF060821.D
Acq On : 20 Nov 2018 23:57
Operator : VA/AP
Sample : J5981-02
Misc : 4.71g/5mL/MSVOA-F/SOIL
ALS Vial : 26 Sample Multiplier: 1

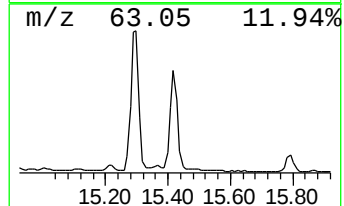
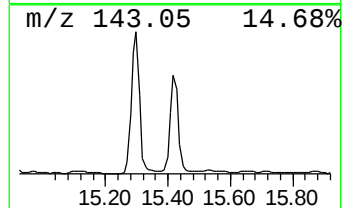
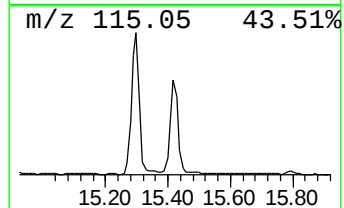
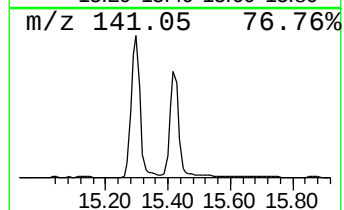
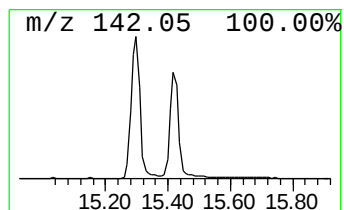
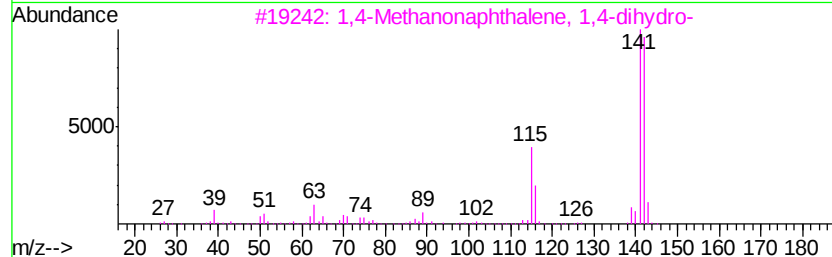
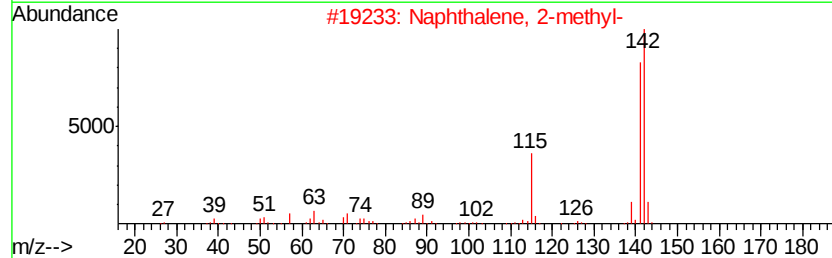
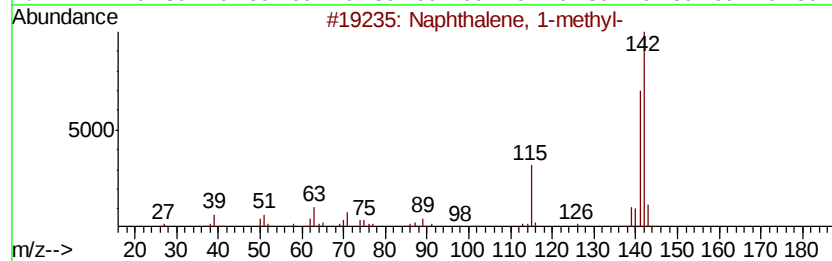
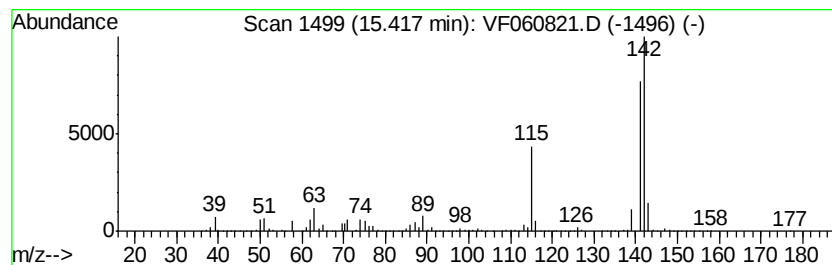
Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	85.10 ug/l	10197400	1,4-Dichlorobenzene-d4	12.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 97
2		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 97
3		1,4-Methanonaphthalene, 1,4-dihv...	142 C11H10	004453-90-1 94
4		Benzocycloheptatriene	142 C11H10	000264-09-5 94
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142 C11H10	002443-46-1 64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112018\
Data File : VF060821.D
Acq On : 20 Nov 2018 23:57
Operator : VA/AP
Sample : J5981-02
Misc : 4.71g/5mL/MSVOA-F/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
DTW-02(11-13)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Heptane, 3-methyl-	6.83	49.2	ug/l	837655	2	5.60	850978	50.0
Benzene, 1-etheny...	12.34	31.3	ug/l	3748130	4	12.56	5991430	50.0
Benzene, 2-propenyl-	12.73	148.5	ug/l	17794800	4	12.56	5991430	50.0
Indene	13.04	259.7	ug/l	31114600	4	12.56	5991430	50.0
Benzofuran, 7-met...	13.67	31.8	ug/l	3812770	4	12.56	5991430	50.0
2-Methylindene	13.98	50.1	ug/l	6000290	4	12.56	5991430	50.0
Cyclopenta[c]thia...	14.57	82.1	ug/l	9834480	4	12.56	5991430	50.0
Naphthalene, 1-me...	15.42	85.1	ug/l	10197400	4	12.56	5991430	50.0