

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062425.D
 Acq On : 10 May 2019 16:03
 Operator : FY/SY
 Sample : K2641-09RE
 Misc : 6.46g/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-02-050719-ERE

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_X\METHOD\82F050619S.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	2.289	175	178	180	rBV4	10475	17290	1.07%	0.099%
2	2.348	180	184	193	rVB2	32169	85851	5.33%	0.492%
3	2.496	195	199	204	rVB2	30549	64226	3.99%	0.368%
4	4.201	368	372	373	rBV4	8508	18122	1.13%	0.104%
5	4.310	377	383	400	rVB	262909	824738	51.24%	4.731%
6	5.059	451	459	470	rBV2	461914	1609533	100.00%	9.232%
7	5.779	525	532	545	rBV	488828	1329751	82.62%	7.628%
8	7.720	723	729	742	rBV	541140	1309811	81.38%	7.513%
9	9.919	946	952	960	rBV	544590	1237774	76.90%	7.100%
10	11.358	1094	1098	1101	rVB4	8980	19587	1.22%	0.112%
11	11.496	1108	1112	1119	rBV	686647	1176949	73.12%	6.751%
12	11.634	1122	1126	1132	rVV7	11469	32792	2.04%	0.188%
13	11.732	1132	1136	1140	rVV3	13367	25273	1.57%	0.145%
14	11.900	1150	1153	1157	rVB2	16135	24274	1.51%	0.139%
15	12.275	1188	1191	1194	rVB4	10653	17427	1.08%	0.100%
16	12.442	1205	1208	1210	rBV3	11744	19562	1.22%	0.112%
17	12.482	1210	1212	1214	rVV3	11453	23198	1.44%	0.133%
18	12.511	1214	1215	1217	rVV2	16236	17453	1.08%	0.100%
19	12.610	1221	1225	1229	rBV	854977	1454361	90.36%	8.342%
20	12.669	1229	1231	1234	rVB	44181	64202	3.99%	0.368%
21	12.797	1240	1244	1245	rBV2	15860	27119	1.68%	0.156%
22	12.826	1245	1247	1249	rVV	17121	30614	1.90%	0.176%
23	12.866	1249	1251	1258	rVB2	69273	159421	9.90%	0.914%
24	13.063	1268	1271	1275	rVB2	23350	38748	2.41%	0.222%
25	13.162	1275	1281	1283	rBV5	20763	46081	2.86%	0.264%
26	13.201	1283	1285	1288	rBV	39483	70791	4.40%	0.406%
27	13.290	1288	1294	1297	rBV4	16359	60304	3.75%	0.346%
28	13.339	1297	1299	1302	rVB4	21198	32566	2.02%	0.187%
29	13.388	1302	1304	1306	rVB3	18850	26312	1.63%	0.151%
30	13.428	1306	1308	1310	rBV2	37885	45625	2.83%	0.262%
31	13.467	1310	1312	1316	rVB2	37351	42773	2.66%	0.245%
32	13.536	1316	1319	1322	rBV2	40291	63583	3.95%	0.365%
33	13.586	1322	1324	1326	rBV	67675	90113	5.60%	0.517%
34	13.625	1326	1328	1330	rVB2	32094	39830	2.47%	0.228%

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35	13.664	1330	1332	1338	rVB2	21575	45029	2.80%	0.258%
36	13.753	1338	1341	1344	rBV2	170783	271345	16.86%	1.556%
37	13.802	1344	1346	1349	rVB3	26755	37003	2.30%	0.212%
38	13.852	1349	1351	1353	rBV	36507	61359	3.81%	0.352%
39	13.891	1353	1355	1360	rBV3	138900	268179	16.66%	1.538%
40	13.960	1360	1362	1364	rVB2	56745	74508	4.63%	0.427%
41	14.009	1364	1367	1370	rVB2	60741	95857	5.96%	0.550%
42	14.098	1372	1376	1377	rBV4	32789	66492	4.13%	0.381%
43	14.118	1377	1378	1381	rVB	47294	55409	3.44%	0.318%
44	14.197	1381	1386	1389	rBV5	117952	330821	20.55%	1.898%
45	14.256	1389	1392	1395	rVB3	104237	173193	10.76%	0.993%
46	14.335	1398	1400	1403	rVB2	60295	72331	4.49%	0.415%
47	14.394	1403	1406	1408	rVB3	19706	29778	1.85%	0.171%
48	14.453	1409	1412	1414	rBV3	67000	116677	7.25%	0.669%
49	14.492	1414	1416	1419	rBV2	265186	334359	20.77%	1.918%
50	14.601	1424	1427	1428	rBV3	41194	63503	3.95%	0.364%
51	14.630	1428	1430	1433	rBV2	83632	139957	8.70%	0.803%
52	14.778	1441	1445	1448	rVB2	248931	341041	21.19%	1.956%
53	14.867	1449	1454	1455	rBV3	60641	111935	6.95%	0.642%
54	14.906	1455	1458	1459	rBV2	70907	112820	7.01%	0.647%
55	14.985	1464	1466	1468	rVB2	57708	72404	4.50%	0.415%
56	15.035	1468	1471	1476	rBV2	239848	489002	30.38%	2.805%
57	15.153	1479	1483	1485	rBV	711041	988963	61.44%	5.673%
58	15.202	1485	1488	1491	rVV2	116444	271468	16.87%	1.557%
59	15.281	1494	1496	1498	rVV2	43929	81716	5.08%	0.469%
60	15.389	1502	1507	1509	rVV2	151993	411644	25.58%	2.361%
61	15.429	1509	1511	1514	rVV2	82793	189952	11.80%	1.090%
62	15.478	1514	1516	1519	rVV3	44506	81291	5.05%	0.466%
63	15.537	1520	1522	1525	rVV3	54076	135743	8.43%	0.779%
64	15.596	1525	1528	1530	rVV	173591	298279	18.53%	1.711%
65	15.636	1530	1532	1534	rVV3	82546	129714	8.06%	0.744%
66	15.675	1534	1536	1541	rVB	215808	432376	26.86%	2.480%
67	15.754	1541	1544	1547	rBV	64294	110493	6.86%	0.634%
68	15.823	1547	1551	1553	rBV	222309	364927	22.67%	2.093%
69	15.863	1553	1555	1558	rVB2	123968	193729	12.04%	1.111%
70	15.981	1564	1567	1569	rBV3	77187	170242	10.58%	0.977%
71	16.020	1569	1571	1572	rBV2	46418	64013	3.98%	0.367%

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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 >
Peak separation: 5

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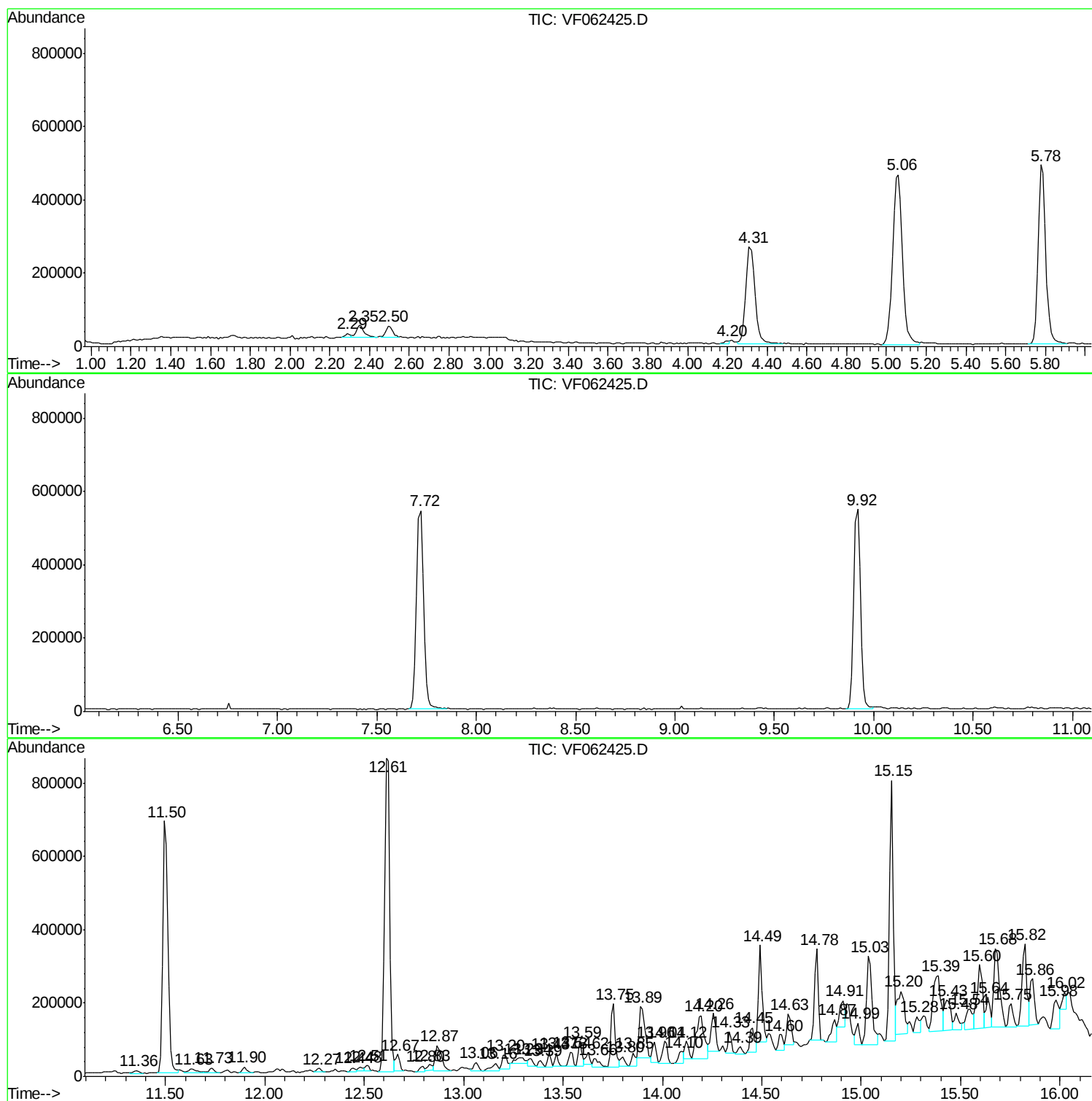
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

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



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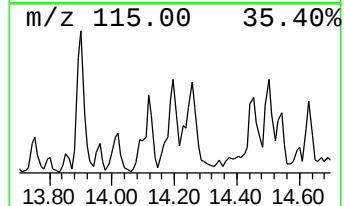
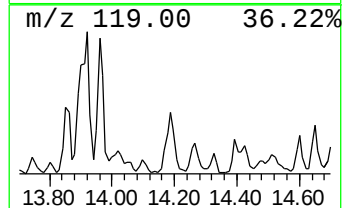
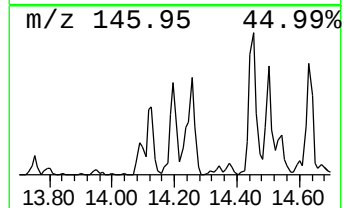
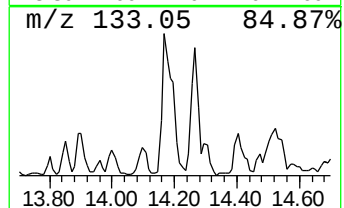
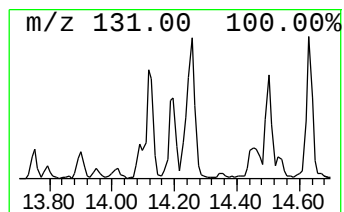
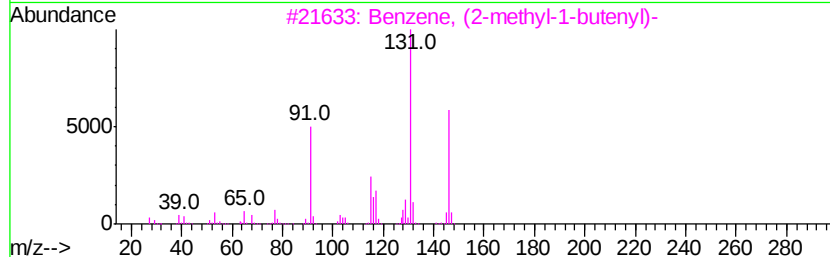
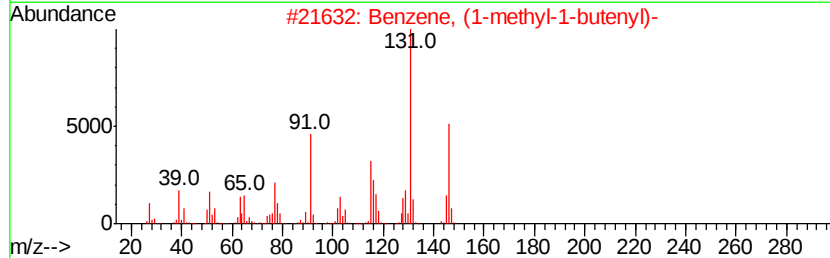
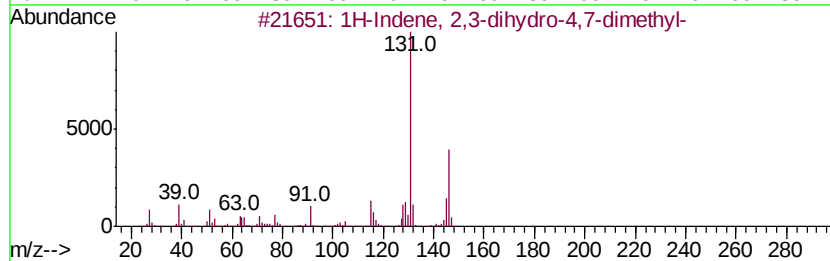
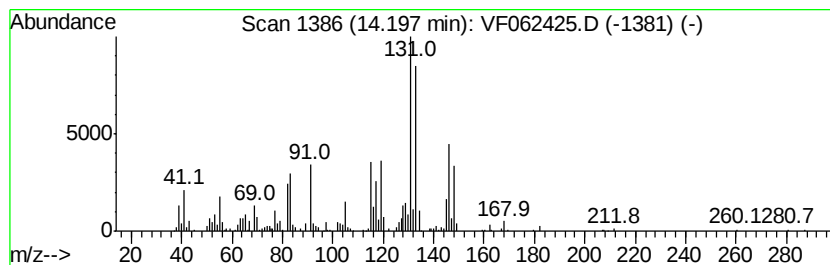
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	11.37 ug/l	330821	1,4-Dichlorobenzene-d4	12.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9 89
2		Benzene, (1-methyl-1-butenyl)-	146 C11H14	053172-84-2 64
3		Benzene, (2-methyl-1-butenyl)-	146 C11H14	056253-64-6 50
4		Benzene, (1,2-dimethyl-1-propenyl)-	146 C11H14	000769-57-3 50
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8 50



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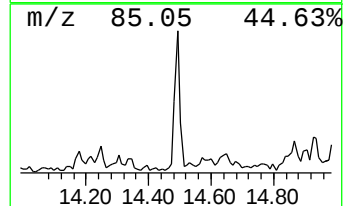
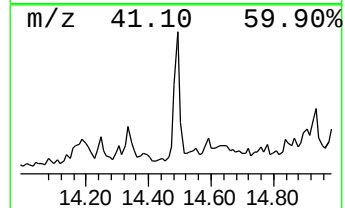
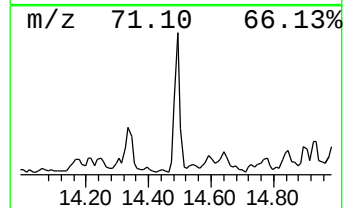
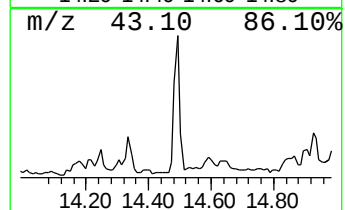
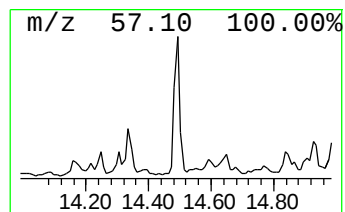
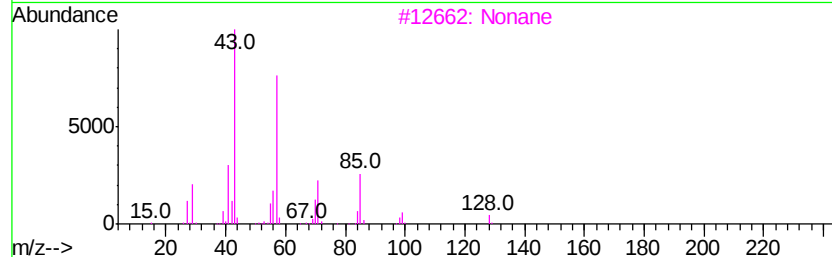
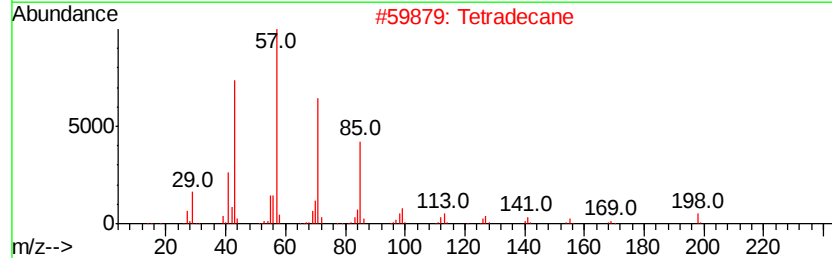
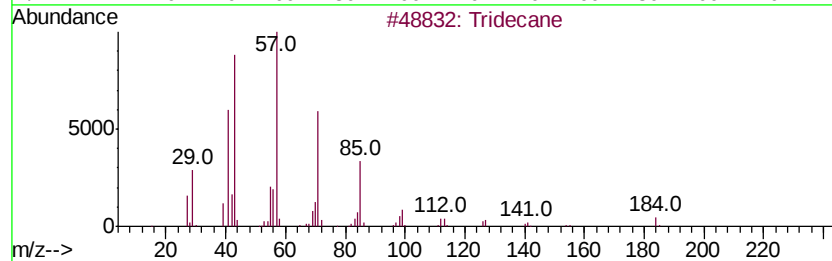
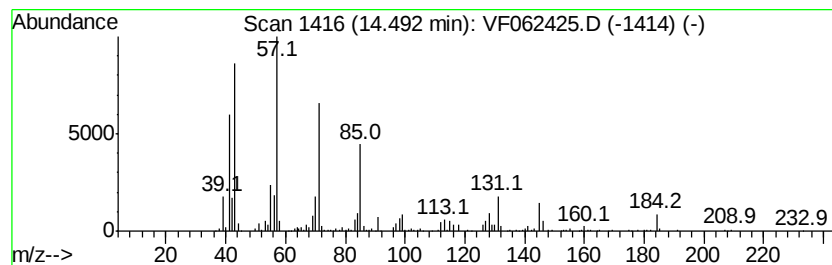
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	11.50 ug/l	334359	1,4-Dichlorobenzene-d4	12.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane	184 C13H28	000629-50-5	97
2	Tetradecane	198 C14H30	000629-59-4	64
3	Nonane	128 C9H20	000111-84-2	64
4	Dodecane	170 C12H26	000112-40-3	64
5	Pentadecane	212 C15H32	000629-62-9	64



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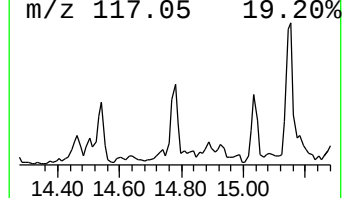
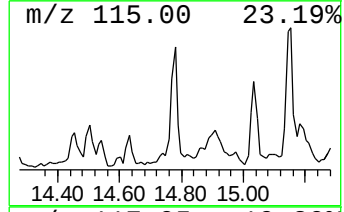
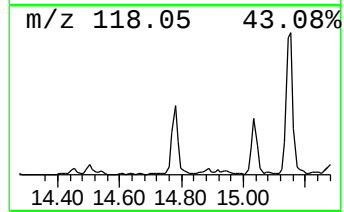
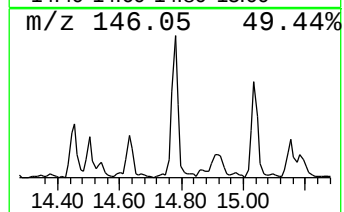
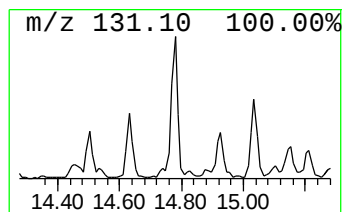
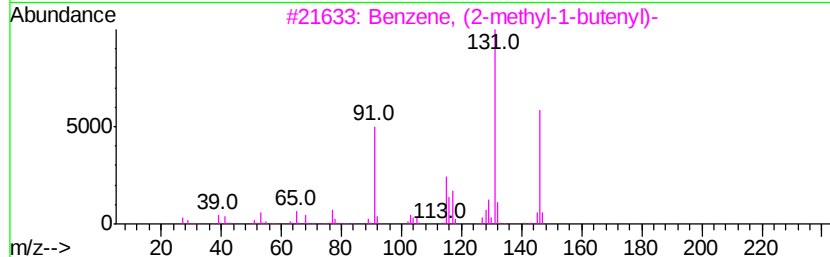
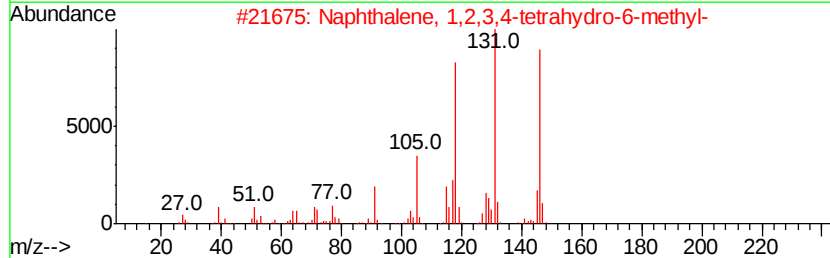
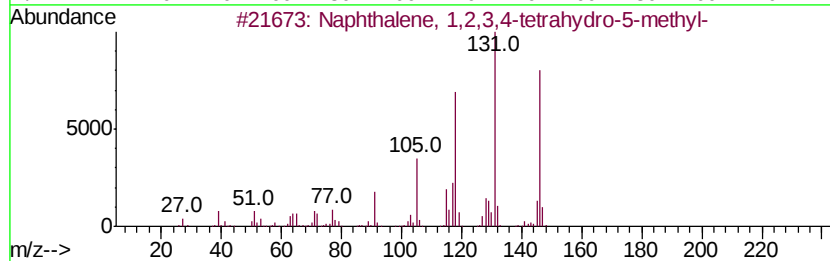
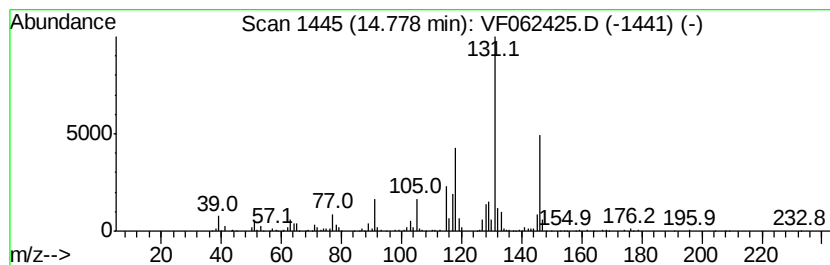
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	11.72 ug/l	341041	1,4-Dichlorobenzene-d4	12.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 95
2		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 92
3		Benzene, (2-methyl-1-butenvl)-	146 C11H14	056253-64-6 90
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9 83
5		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001559-81-5 74



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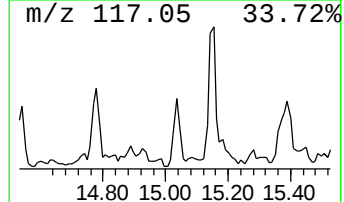
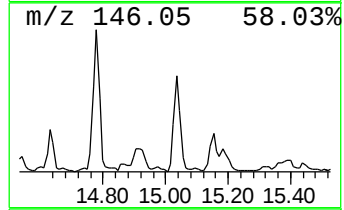
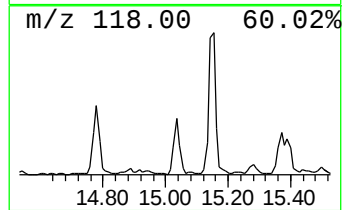
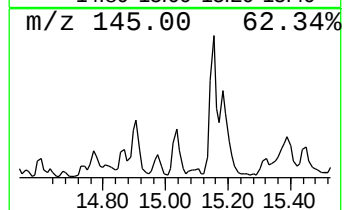
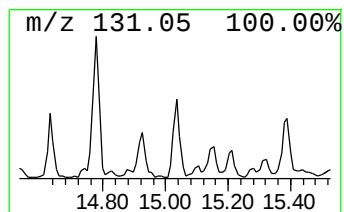
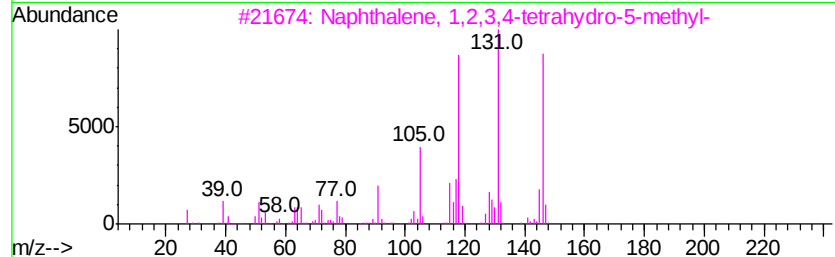
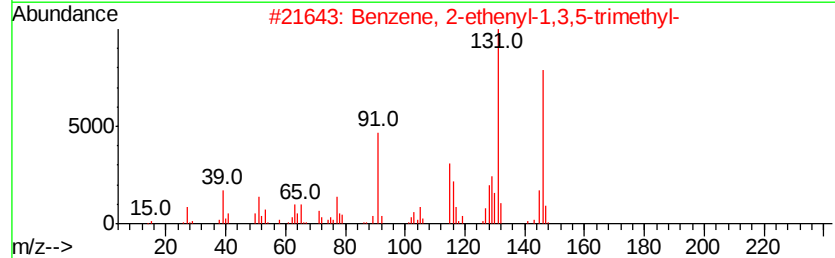
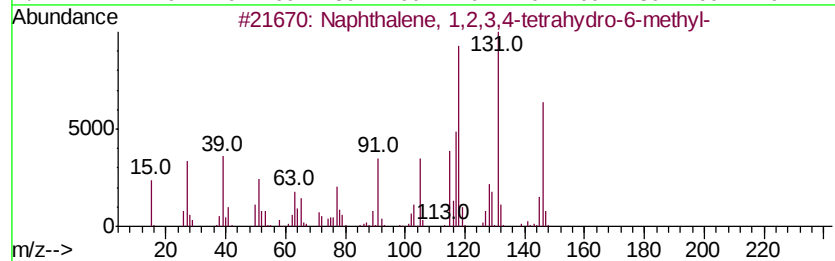
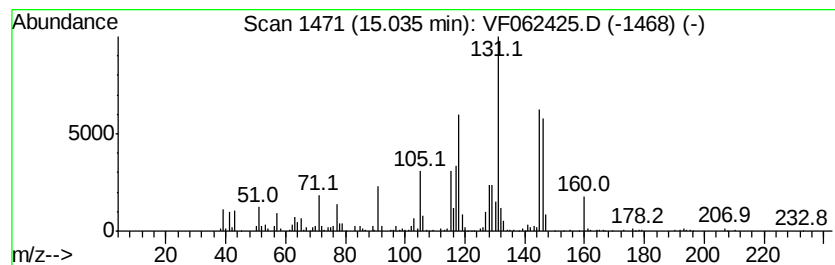
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Quant Title : SW846 8260

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

Peak Number 4 Naphthalene, 1,2,3,4-tetra... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	16.81 ug/l	489002	1,4-Dichlorobenzene-d4	12.62

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	81
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	70
5		2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062425.D
Acq On : 10 May 2019 16:03
Operator : FY/SY
Sample : K2641-09RE
Misc : 6.46g/5mL/MSVOA F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CL-02-050719-ERE

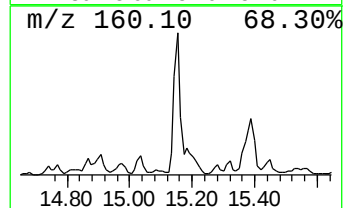
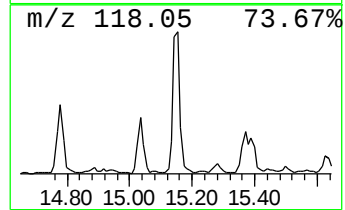
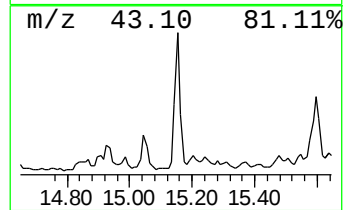
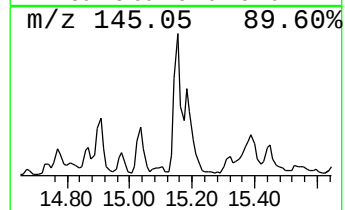
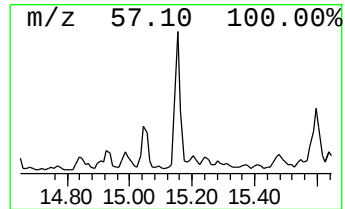
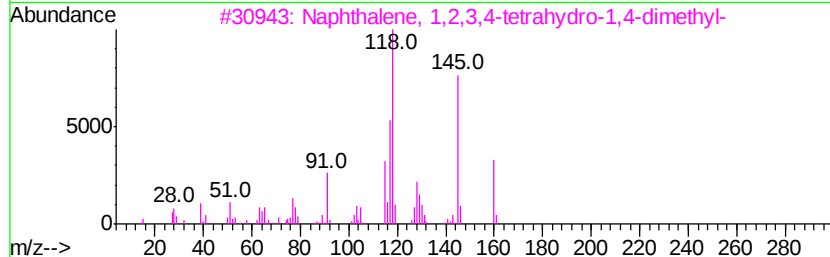
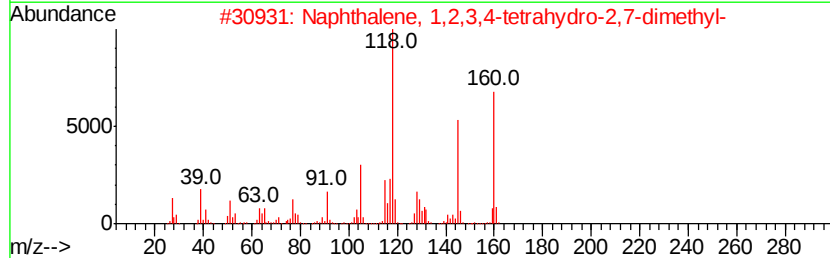
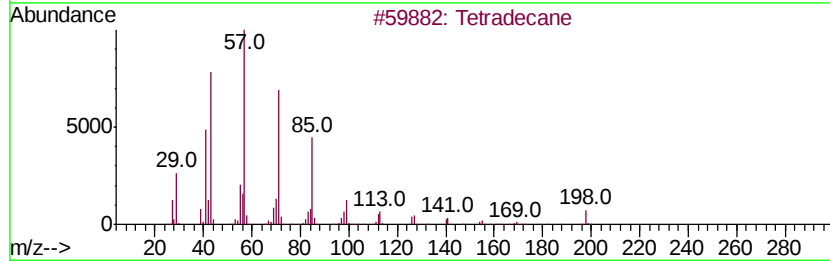
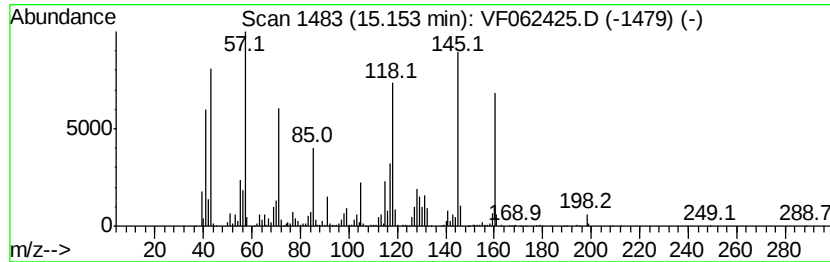
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Quant Title : SW846 8260

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

Peak Number 5 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	34.00 ug/l	988963	1,4-Dichlorobenzene-d4	12.62

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	90
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	55
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	52
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	46
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062425.D
Acq On : 10 May 2019 16:03
Operator : FY/SY
Sample : K2641-09RE
Misc : 6.46g/5mL/MSVOA F/SOIL
ALS Vial : 13 Sample Multiplier: 1

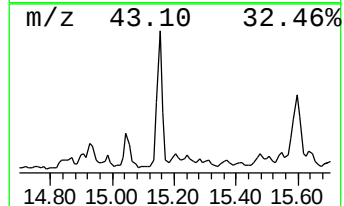
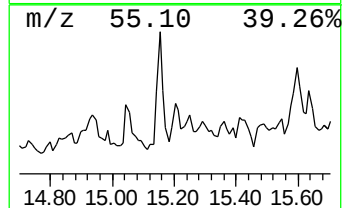
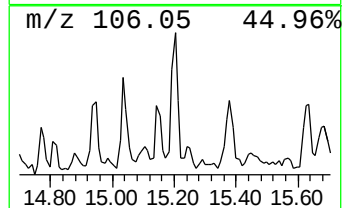
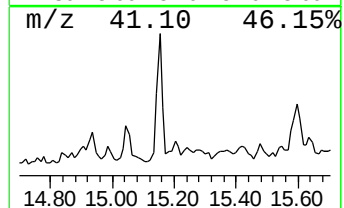
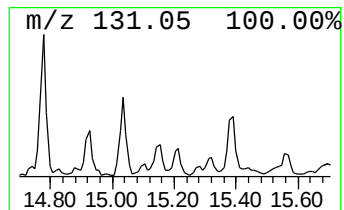
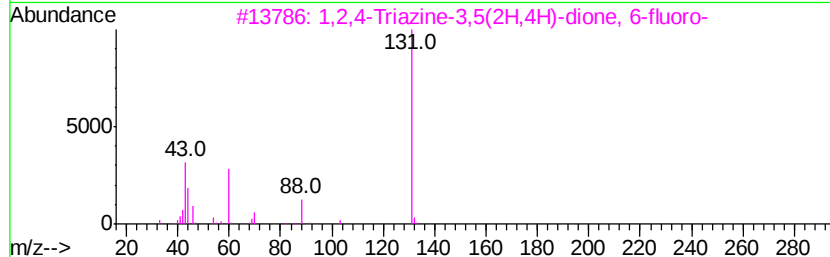
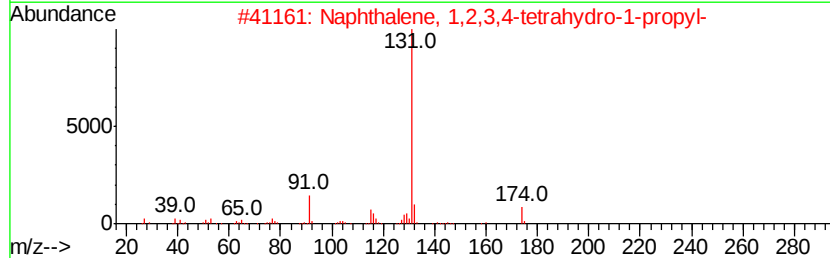
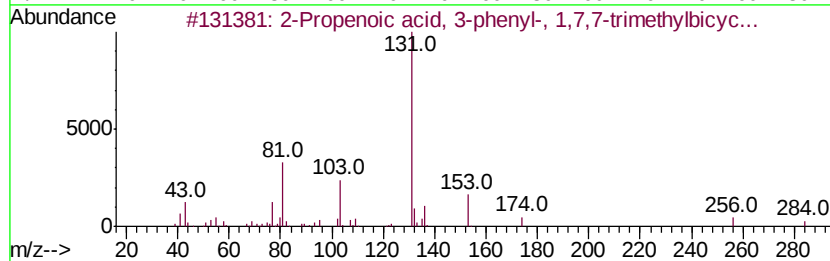
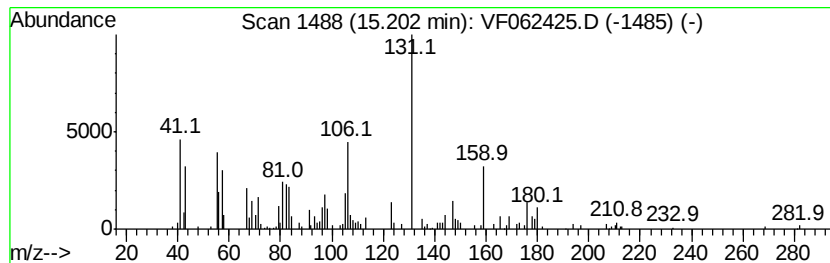
Instrument :
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ClientSampleId :
CL-02-050719-ERE

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Quant Title : SW846 8260

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

Peak Number 6 2-Propenoic acid, 3-phenyl-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	9.33 ug/l	271468	1,4-Dichlorobenzene-d4	12.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Propenoic acid, 3-phenyl-, 1,7...	284 C19H24O2	006330-67-2	12
2	Naphthalene, 1,2,3,4-tetrahydro-...	174 C13H18	066324-83-2	10
3	1,2,4-Triazine-3,5(2H,4H)-dione,...	131 C3H2FN3O2	082736-95-6	10
4	2-Propenoic acid, 3-phenyl-, eth...	176 C11H12O2	000103-36-6	9
5	2-(p-Tolyl)ethylamine	135 C9H13N	003261-62-9	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062425.D
Acq On : 10 May 2019 16:03
Operator : FY/SY
Sample : K2641-09RE
Misc : 6.46g/5mL/MSVOA F/SOIL
ALS Vial : 13 Sample Multiplier: 1

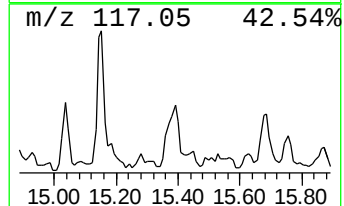
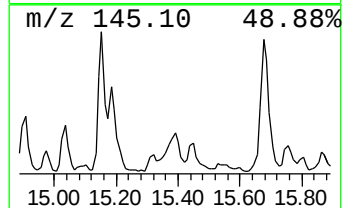
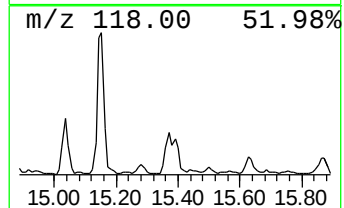
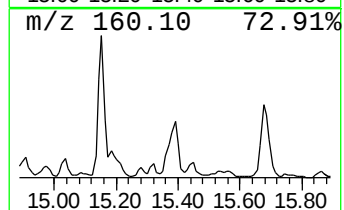
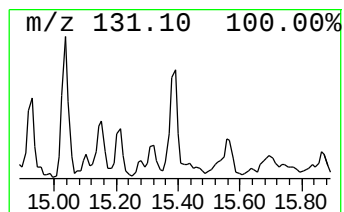
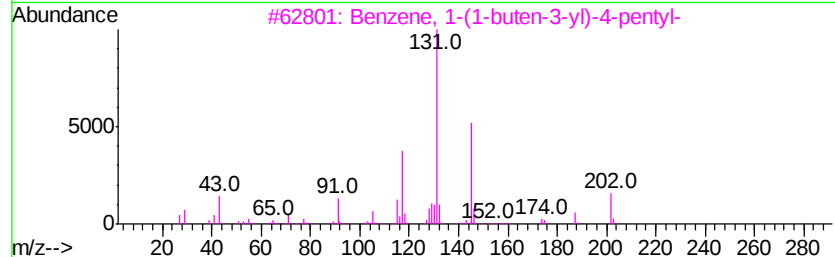
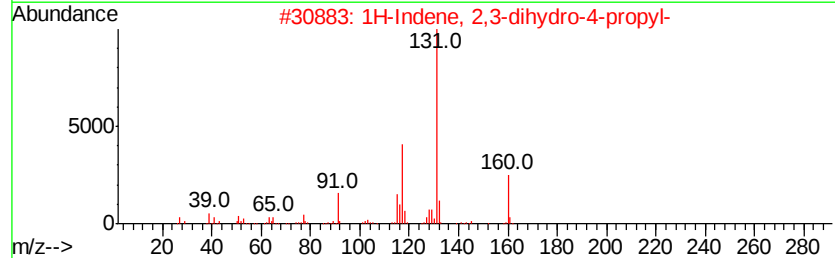
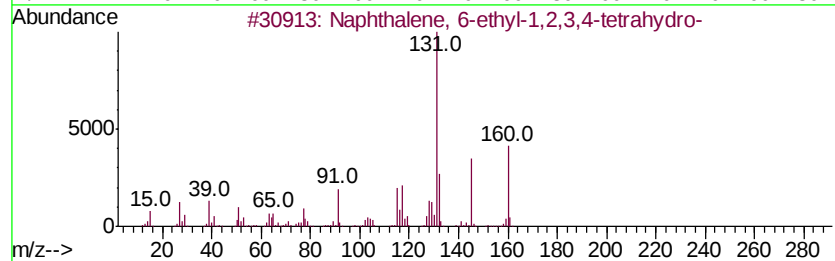
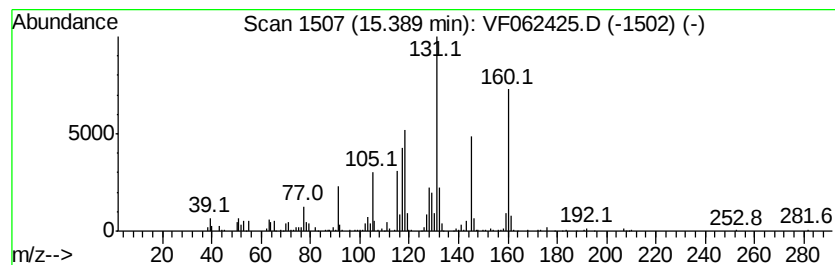
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ClientSampleId :
CL-02-050719-ERE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, 6-ethyl-1,2,3,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	14.15 ug/l	411644	1,4-Dichlorobenzene-d4	12.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 6-ethyl-1,2,3,4-tet...	160 C12H16	022531-20-0 70
2		1H-Indene, 2,3-dihydro-4-propyl-	160 C12H16	092013-16-6 49
3		Benzene, 1-(1-buten-3-yl)-4-pentyl-	202 C15H22	1000161-70-6 47
4		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	013065-07-1 46
5		1H-Pyrrolo[2,3-b]pyridine, 2-n-p...	160 C10H12N2	1000212-02-1 45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062425.D
Acq On : 10 May 2019 16:03
Operator : FY/SY
Sample : K2641-09RE
Misc : 6.46g/5mL/MSVOA F/SOIL
ALS Vial : 13 Sample Multiplier: 1

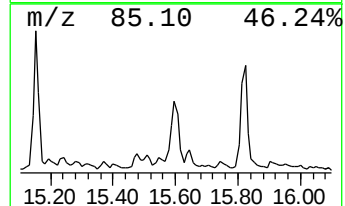
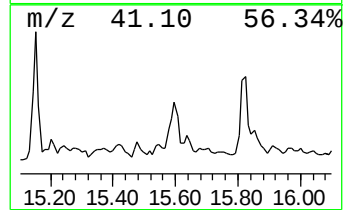
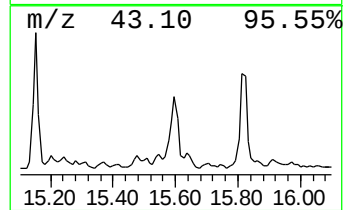
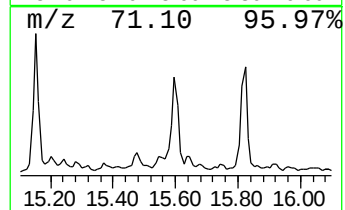
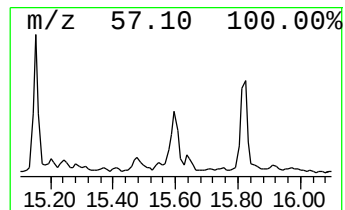
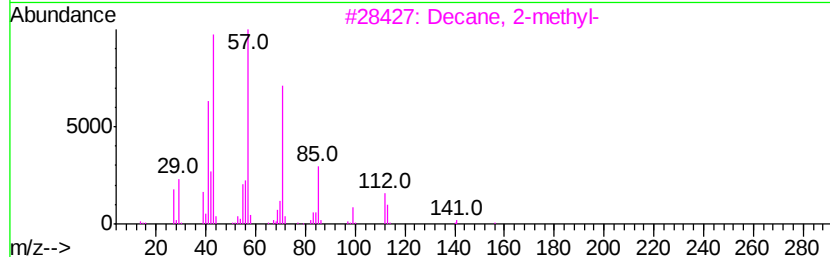
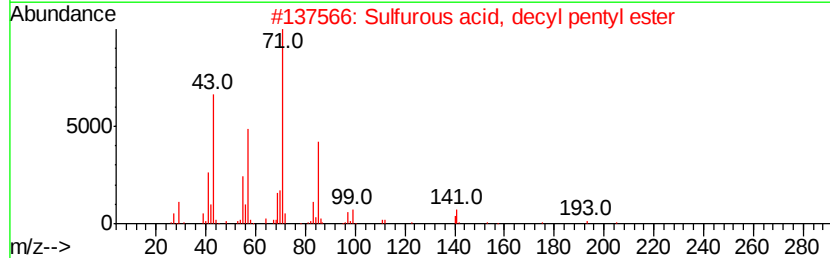
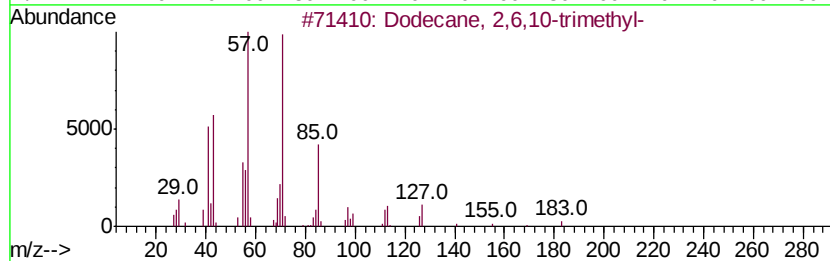
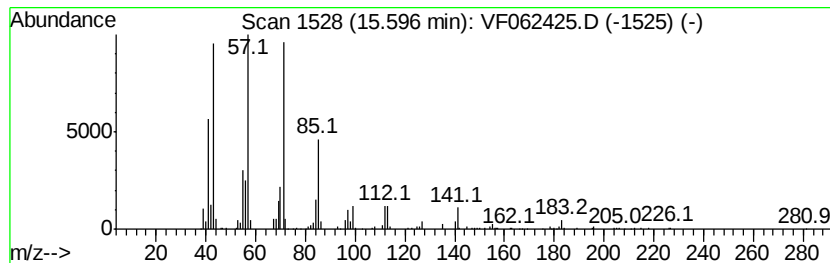
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MSVOA_F
ClientSampleId :
CL-02-050719-ERE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

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

Peak Number 8 Dodecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	10.25 ug/l	298279	1,4-Dichlorobenzene-d4	12.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 2,6,10-trimethyl-	212 C15H32	003891-98-3	91
2	Sulfurous acid, decyl pentyl ester	292 C15H32O3S	1000309-14-3	80
3	Decane, 2-methyl-	156 C11H24	006975-98-0	74
4	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	70
5	Decane, 5-propyl-	184 C13H28	017312-62-8	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062425.D
Acq On : 10 May 2019 16:03
Operator : FY/SY
Sample : K2641-09RE
Misc : 6.46g/5mL/MSVOA F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CL-02-050719-ERE

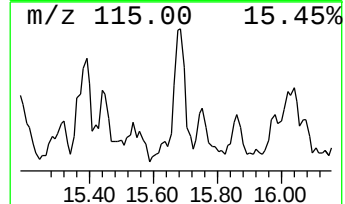
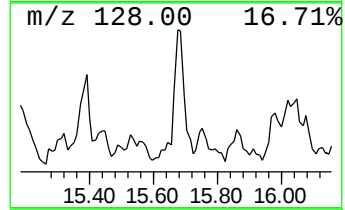
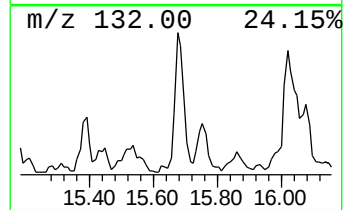
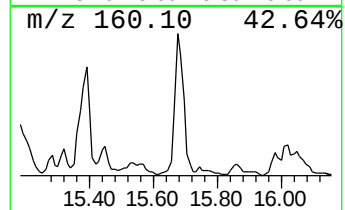
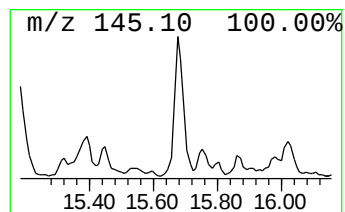
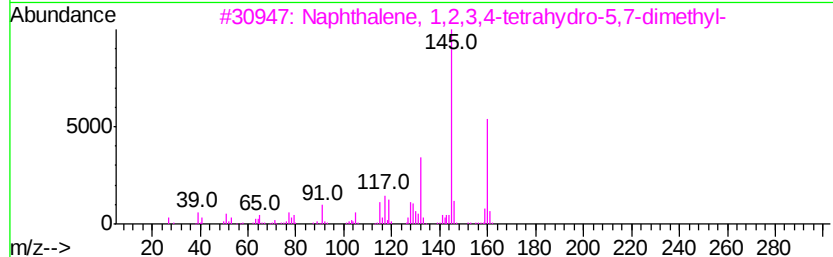
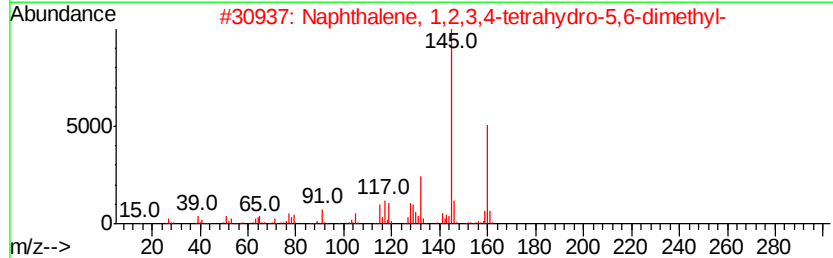
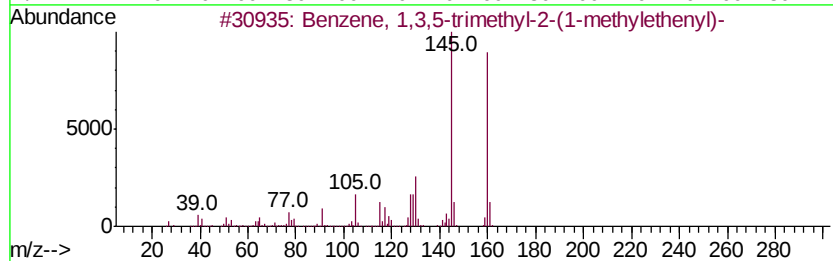
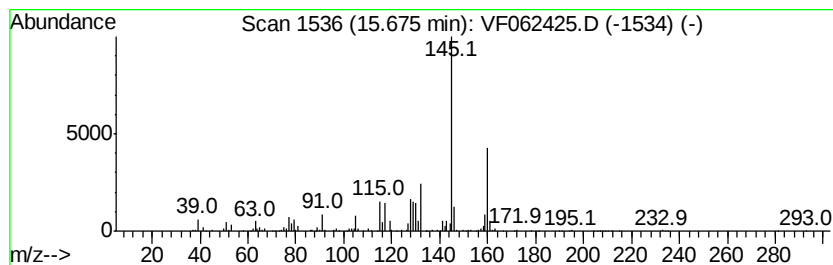
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	14.86 ug/l	432376	1,4-Dichlorobenzene-d4	12.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	94
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	94
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	94
4		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	93
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051019\
Data File : VF062425.D
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Sample : K2641-09RE
Misc : 6.46g/5mL/MSVOA F/SOIL
ALS Vial : 13 Sample Multiplier: 1

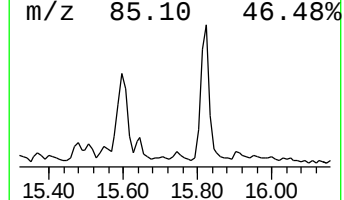
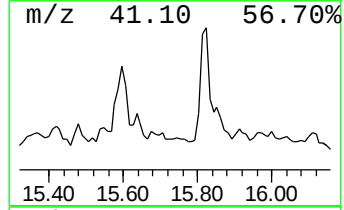
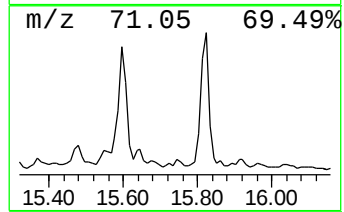
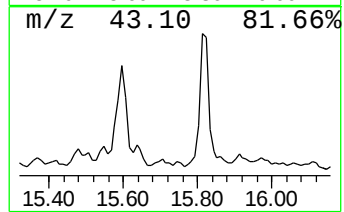
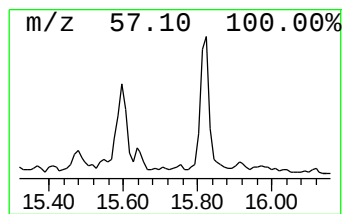
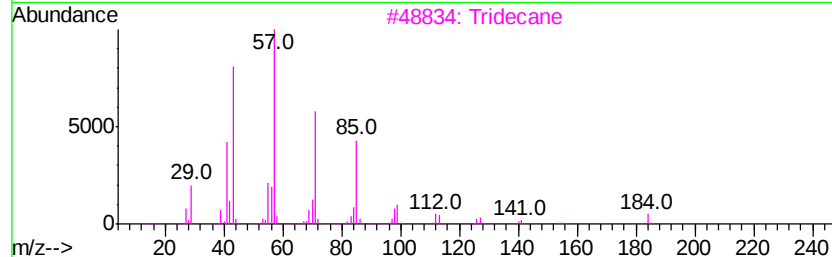
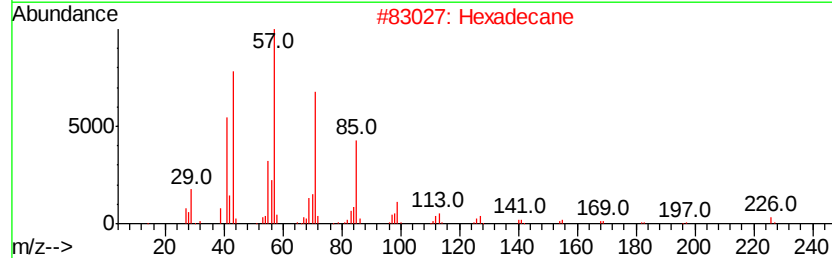
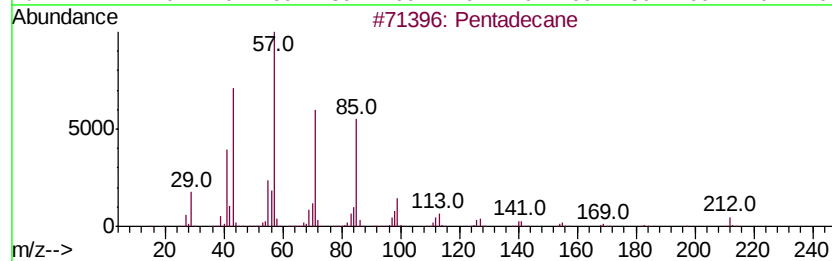
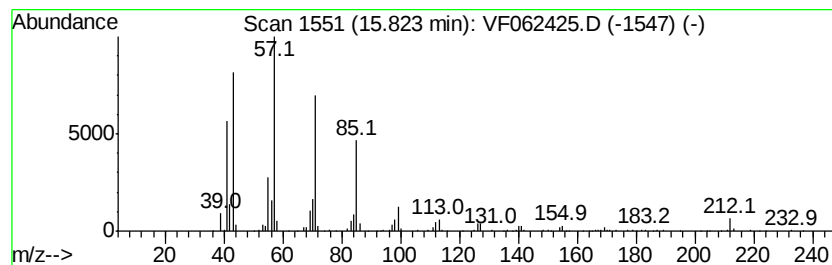
Instrument :
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ClientSampleId :
CL-02-050719-ERE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260

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

Peak Number 10 Pentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.		
15.82	12.55 ug/l	364927	1,4-Dichlorobenzene-d4		12.62		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane	212	C15H32	000629-62-9	95
2			Hexadecane	226	C16H34	000544-76-3	90
3			Tridecane	184	C13H28	000629-50-5	90
4			Tetradecane	198	C14H30	000629-59-4	87
5			Heptadecane	240	C17H36	000629-78-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF051019\
Data File : VF062425.D
Acq On : 10 May 2019 16:03
Operator : FY/SY
Sample : K2641-09RE
Misc : 6.46g/5mL/MSVOA_F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CL-02-050719-ERE

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.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
1H-Indene, 2,3-di...	14.20	11.4	ug/l	330821	4	12.62	1454360	50.0
Tridecane	14.49	11.5	ug/l	334359	4	12.62	1454360	50.0
Naphthalene, 1,2,...	14.78	11.7	ug/l	341041	4	12.62	1454360	50.0
Naphthalene, 1,2,...	15.03	16.8	ug/l	489002	4	12.62	1454360	50.0
Tetradecane	15.15	34.0	ug/l	988963	4	12.62	1454360	50.0
2-Propenoic acid,...	15.20	9.3	ug/l	271468	4	12.62	1454360	50.0
Naphthalene, 6-et...	15.39	14.2	ug/l	411644	4	12.62	1454360	50.0
Dodecane, 2,6,10-...	15.60	10.3	ug/l	298279	4	12.62	1454360	50.0
Benzene, 1,3,5-tr...	15.68	14.9	ug/l	432376	4	12.62	1454360	50.0
Pentadecane	15.82	12.6	ug/l	364927	4	12.62	1454360	50.0