

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061609.D
 Acq On : 5 Apr 2019 7:32
 Operator : VA/AP
 Sample : K2193-03
 Misc : 4.56g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-06-040319-B

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_D\METHOD\82D032719S.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	3.796	236	241	259	rBV	72637	219638	2.37%	0.156%
2	6.897	549	556	563	rBV	252752	683420	7.38%	0.485%
3	7.015	563	568	582	rVB	382848	1109666	11.98%	0.788%
4	7.428	604	610	620	rBV	152531	414585	4.48%	0.294%
5	8.186	680	687	702	rBV	558836	1383075	14.93%	0.982%
6	10.382	904	910	917	rBV	403818	943127	10.18%	0.670%
7	11.730	1043	1047	1051	rVB	47627	98456	1.06%	0.070%
8	11.809	1051	1055	1059	rBV	47773	109905	1.19%	0.078%
9	12.104	1081	1085	1087	rBV	72368	135495	1.46%	0.096%
10	12.163	1087	1091	1096	rVB2	114929	283031	3.06%	0.201%
11	12.291	1099	1104	1106	rBV	146289	255958	2.76%	0.182%
12	12.350	1106	1110	1114	rVB	693230	1195355	12.91%	0.849%
13	12.508	1123	1126	1132	rBV2	96013	251876	2.72%	0.179%
14	12.626	1132	1138	1141	rBV3	104941	362811	3.92%	0.258%
15	12.675	1141	1143	1145	rBV	170103	266865	2.88%	0.190%
16	12.725	1145	1148	1156	rVB3	708458	1248919	13.48%	0.887%
17	12.833	1156	1159	1163	rBV2	58298	106498	1.15%	0.076%
18	12.980	1170	1174	1177	rBV2	401339	893929	9.65%	0.635%
19	13.030	1177	1179	1182	rVB	828989	1105014	11.93%	0.785%
20	13.079	1182	1184	1187	rVB	238415	366653	3.96%	0.260%
21	13.138	1187	1190	1191	rBV	89100	128480	1.39%	0.091%
22	13.207	1191	1197	1200	rBV2	619350	1042199	11.25%	0.740%
23	13.296	1200	1206	1213	rBV4	632351	1925633	20.79%	1.367%
24	13.384	1213	1215	1219	rVB	284217	444068	4.79%	0.315%
25	13.473	1219	1224	1226	rBV3	471450	1166407	12.59%	0.828%
26	13.532	1226	1230	1232	rBV3	1160702	2005287	21.65%	1.424%
27	13.650	1240	1242	1245	rBV	927517	1321279	14.27%	0.938%
28	13.699	1245	1247	1251	rVB2	575001	841747	9.09%	0.598%
29	13.758	1251	1253	1255	rVB	294003	332152	3.59%	0.236%
30	13.807	1255	1258	1261	rBV4	295370	559179	6.04%	0.397%
31	13.866	1261	1264	1266	rVV	1349967	2123290	22.92%	1.508%
32	13.916	1266	1269	1271	rVV2	2495414	4567436	49.31%	3.243%
33	13.955	1271	1273	1276	rVV	3539641	4916651	53.08%	3.491%
34	14.014	1276	1279	1281	rVV2	250404	406952	4.39%	0.289%

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Integration Parameters: RTEINT.P

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

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35	14.073	1281	1285	1287	rVV	1673393	3224625	34.82%	2.290%
36	14.103	1287	1288	1291	rVV2	956892	1248610	13.48%	0.887%
37	14.152	1291	1293	1294	rVV	608784	855547	9.24%	0.608%
38	14.191	1294	1297	1299	rVV	1683155	2734267	29.52%	1.942%
39	14.250	1299	1303	1307	rVV4	851527	2174069	23.47%	1.544%
40	14.319	1307	1310	1311	rVV	692986	1247369	13.47%	0.886%
41	14.359	1311	1314	1318	rVV6	1028609	2614830	28.23%	1.857%
42	14.428	1318	1321	1323	rVV	2332212	3828456	41.34%	2.719%
43	14.467	1323	1325	1327	rVV2	792072	1699128	18.35%	1.207%
44	14.506	1327	1329	1331	rVV2	2271182	3537338	38.19%	2.512%
45	14.546	1331	1333	1338	rVV2	4437352	8101486	87.47%	5.753%
46	14.634	1338	1342	1345	rVV3	1722831	3465322	37.41%	2.461%
47	14.693	1345	1348	1350	rVV	2458311	4207023	45.42%	2.987%
48	14.723	1350	1351	1353	rVV	1747263	1616150	17.45%	1.148%
49	14.762	1353	1355	1361	rVV3	2483884	6452187	69.66%	4.582%
50	14.880	1361	1367	1371	rVV3	3409144	9261987	100.00%	6.577%
51	15.008	1375	1380	1382	rVV2	1392188	4203708	45.39%	2.985%
52	15.048	1382	1384	1385	rVV	2087996	2964561	32.01%	2.105%
53	15.077	1385	1387	1389	rVV2	1209908	2031178	21.93%	1.442%
54	15.127	1389	1392	1397	rVV3	2003168	5590342	60.36%	3.970%
55	15.205	1397	1400	1403	rVV5	1174843	2904472	31.36%	2.063%
56	15.264	1403	1406	1408	rVV2	1676076	3502029	37.81%	2.487%
57	15.304	1408	1410	1412	rVV2	1808541	3378134	36.47%	2.399%
58	15.363	1415	1416	1419	rVV	1926993	2946640	31.81%	2.092%
59	15.412	1419	1421	1424	rVV3	1551272	3163896	34.16%	2.247%
60	15.461	1424	1426	1429	rVV3	1025043	2281967	24.64%	1.620%
61	15.520	1429	1432	1433	rVV3	656599	1473319	15.91%	1.046%
62	15.560	1433	1436	1438	rVV2	1028658	2422007	26.15%	1.720%
63	15.619	1441	1442	1443	rVV	776653	866324	9.35%	0.615%
64	15.658	1443	1446	1451	rVV2	3137605	6207949	67.03%	4.408%
65	15.727	1451	1453	1456	rVV2	582528	1085424	11.72%	0.771%
66	15.786	1456	1459	1463	rVV	2344978	3546068	38.29%	2.518%
67	15.855	1464	1466	1467	rVV2	339000	512061	5.53%	0.364%
68	15.924	1471	1473	1474	rVV	447241	592039	6.39%	0.420%
69	15.983	1474	1479	1483	rVB3	344017	890832	9.62%	0.633%
70	16.160	1495	1497	1500	rVV	235551	267854	2.89%	0.190%
71	16.219	1500	1503	1508	rVB2	210997	405242	4.38%	0.288%

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Integration Parameters: RTEINT.P
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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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72	16.495	1526	1531	1537	rVB2	47904	102401	1.11%	0.073%
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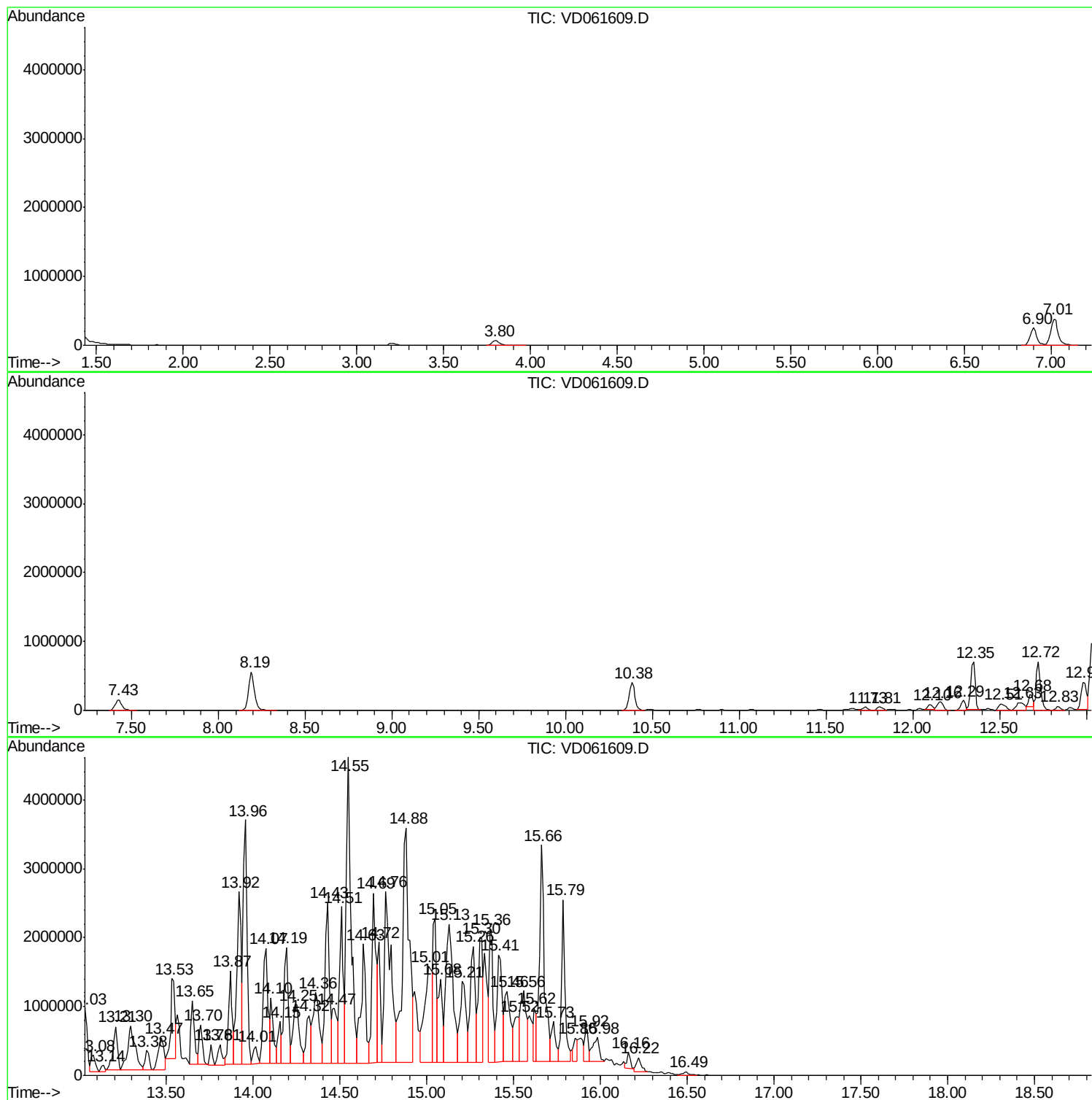
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

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



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Sample : K2193-03
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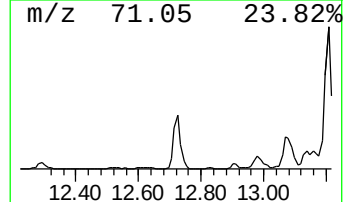
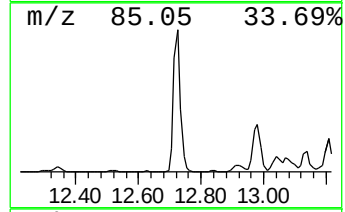
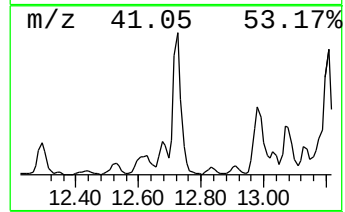
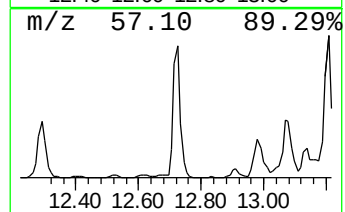
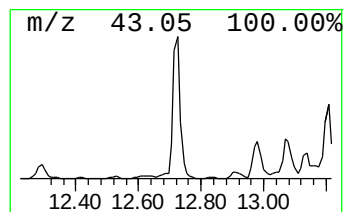
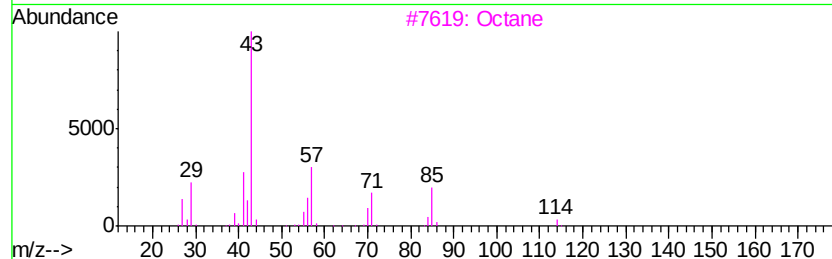
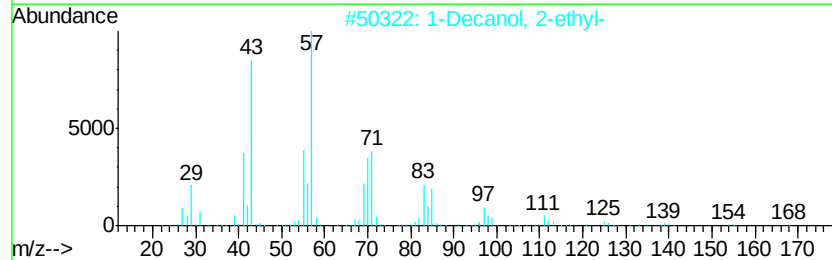
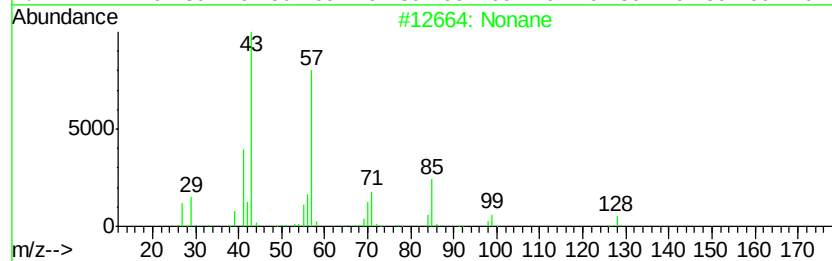
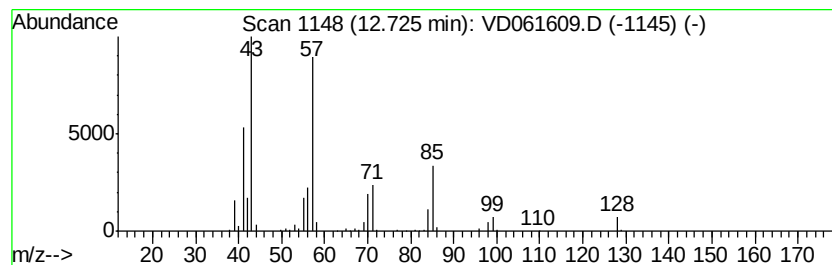
Instrument :
MSVOA_D
ClientSampleID :
HR-06-040319-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

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

Peak Number 1 Nonane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.72	52.24 ug/l	1248920	Chlorobenzene-d5	12.35		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane		128	C9H20	000111-84-2	91
2	1-Decanol, 2-ethyl-		186	C12H26O	021078-65-9	72
3	Octane		114	C8H18	000111-65-9	64
4	1-Iodo-2-methylnonane		268	C10H21I	1000101-47-9	50
5	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	50



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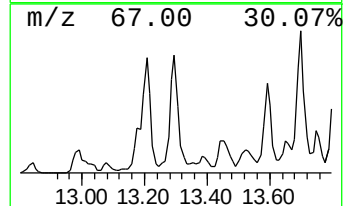
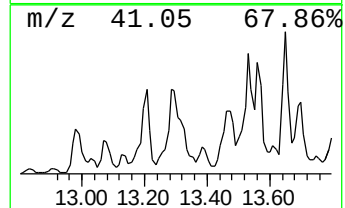
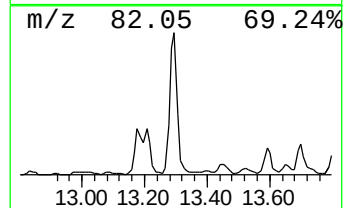
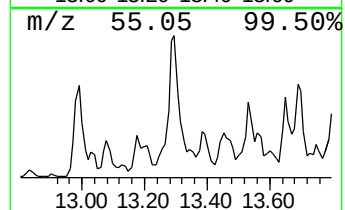
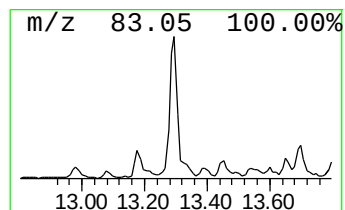
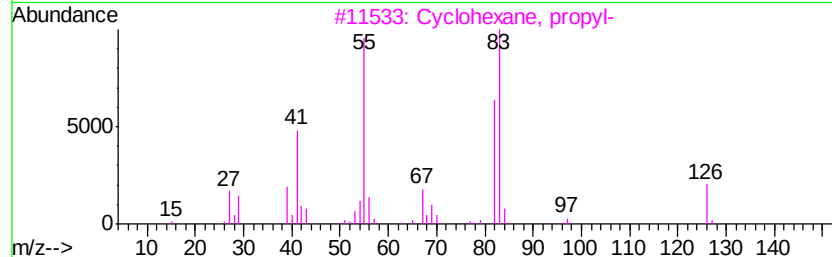
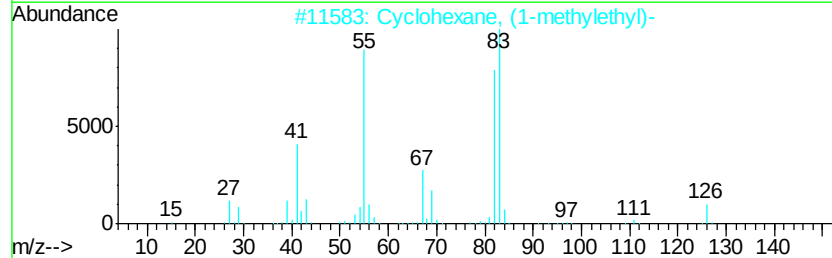
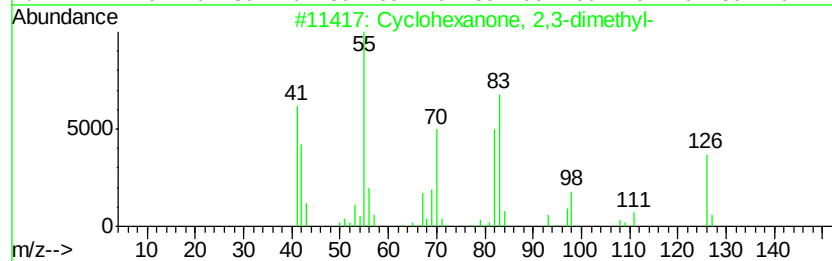
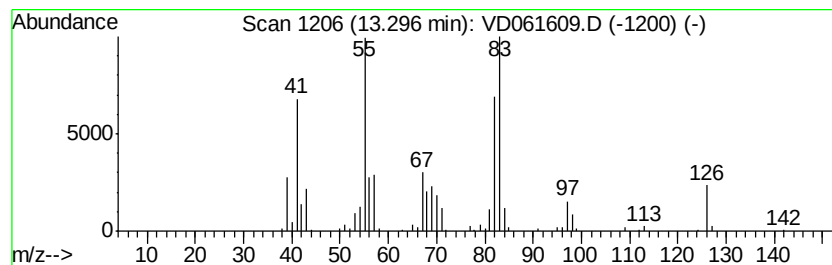
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

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

Peak Number 2 Cyclohexanone, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	80.55 ug/l	1925630	Chlorobenzene-d5	12.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	87
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
3		Cyclohexane, propyl-	126	C9H18	001678-92-8	74
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	59
5		Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	53



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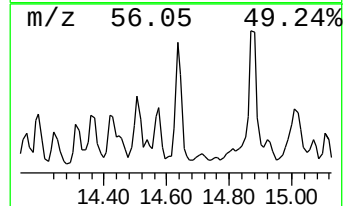
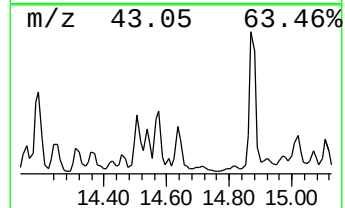
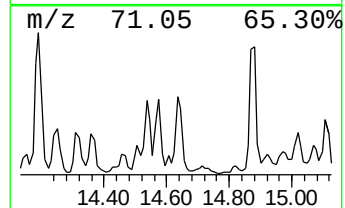
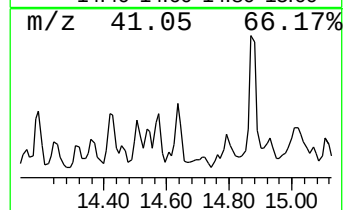
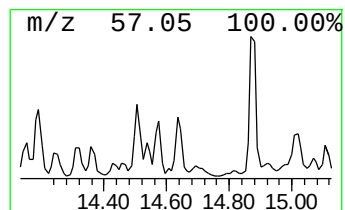
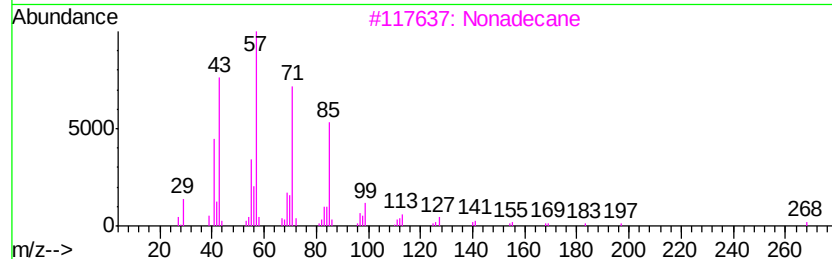
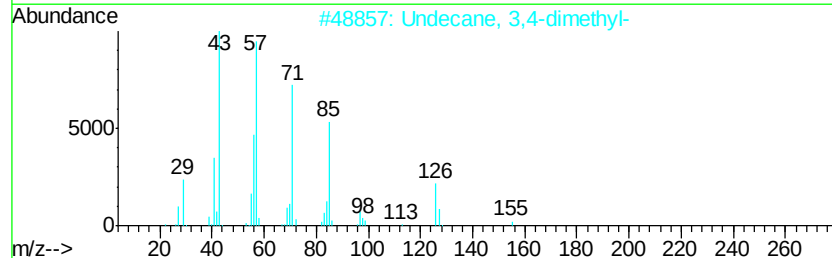
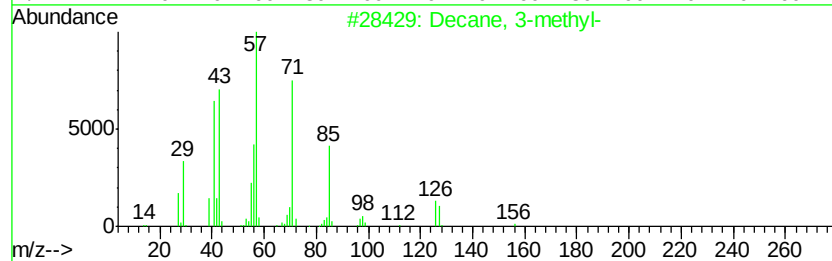
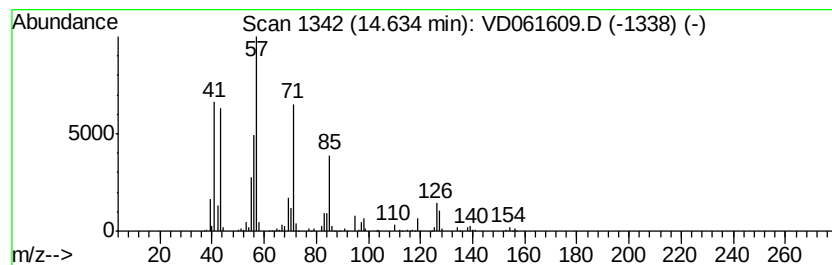
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Quant Title : SW846 8260

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

Peak Number 3 Decane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	48.98 ug/l	3465320	1,4-Dichlorobenzene-d4	14.51
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 3-methyl-	156 C11H24	013151-34-3	93
2	Undecane, 3,4-dimethyl-	184 C13H28	017312-78-6	59
3	Nonadecane	268 C19H40	000629-92-5	58
4	Sulfurous acid, butyl nonyl ester	264 C13H28O3S	1000309-17-6	58
5	Decane, 2,4-dimethyl-	170 C12H26	002801-84-5	50



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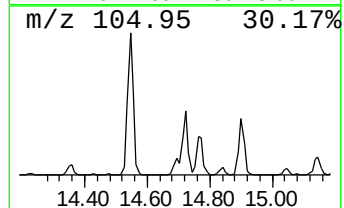
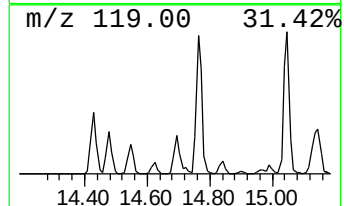
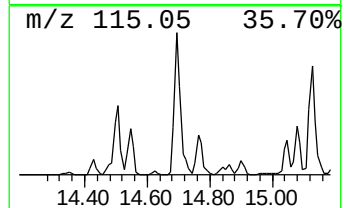
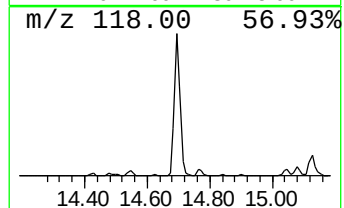
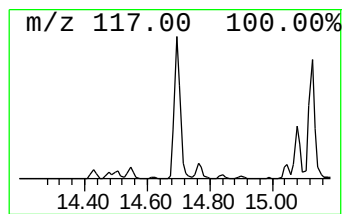
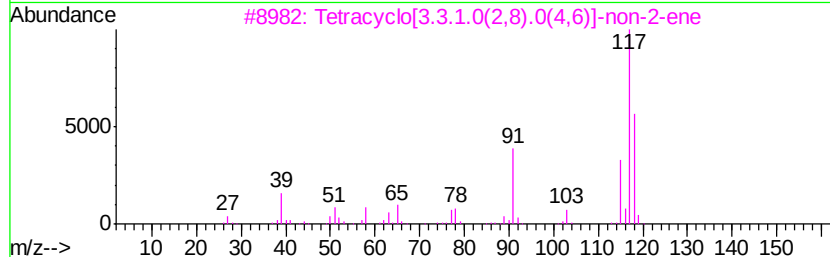
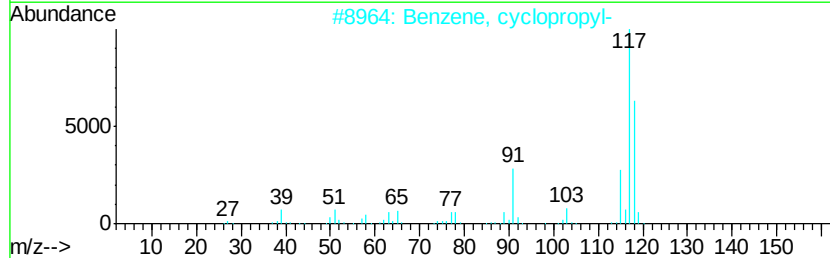
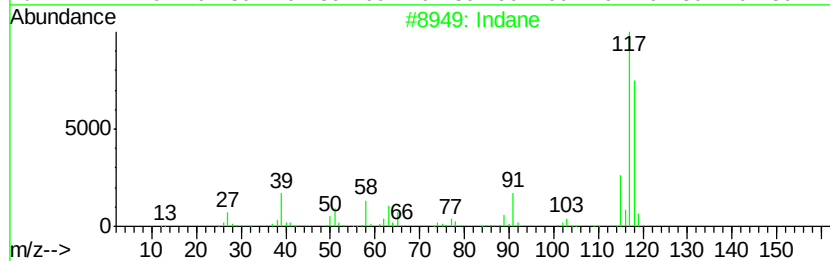
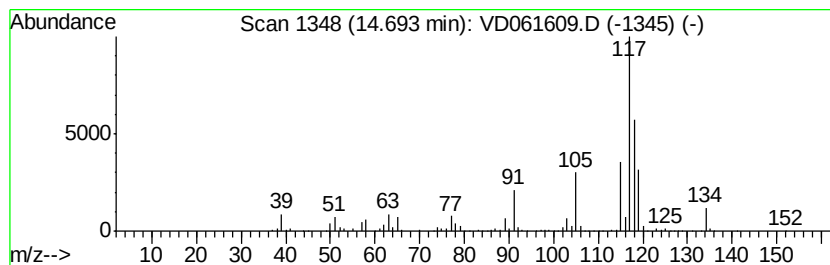
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MSVOA_D
ClientSampleID :
HR-06-040319-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

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

Peak Number 4 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	59.47 ug/l	4207020	1,4-Dichlorobenzene-d4	14.51
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Indane		118 C9H10	000496-11-7 70
2	Benzene, cyclopropyl-		118 C9H10	000873-49-4 64
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-		118 C9H10	1000191-13-7 58
4	Benzene, 1-ethenyl-4-methyl-		118 C9H10	000622-97-9 50
5	Benzene, 2-propenyl-		118 C9H10	000300-57-2 46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
Data File : VD061609.D
Acq On : 5 Apr 2019 7:32
Operator : VA/AP
Sample : K2193-03
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
HR-06-040319-B

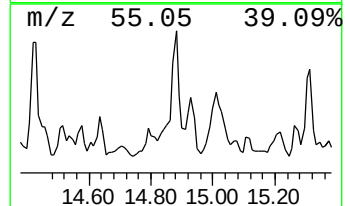
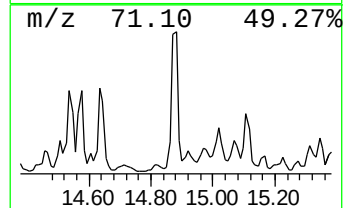
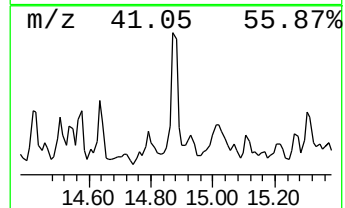
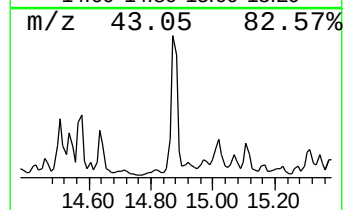
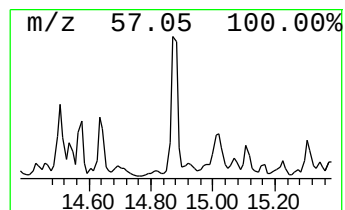
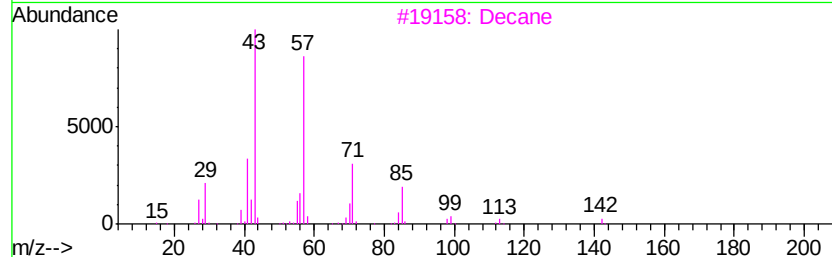
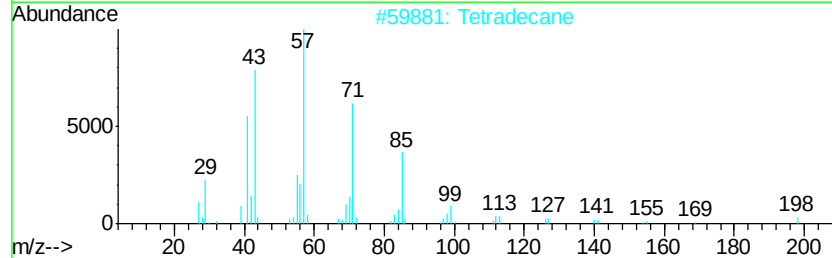
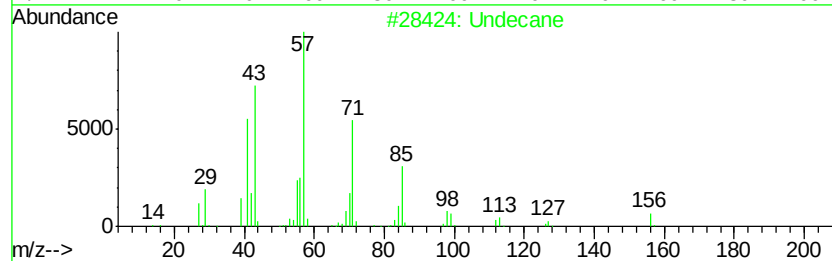
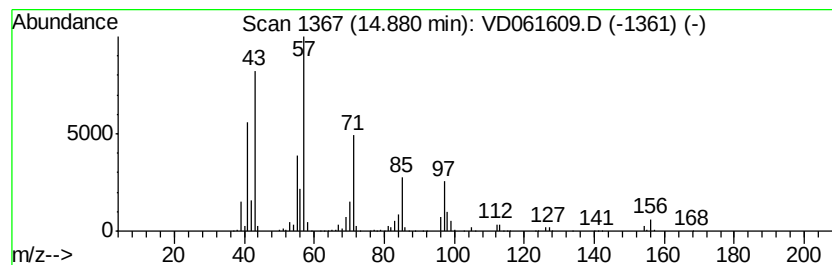
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Quant Title : SW846 8260

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

Peak Number 5 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	130.92 ug/l	9261990	1,4-Dichlorobenzene-d4	14.51

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	96
2	Tetradecane		198	C14H30	000629-59-4	64
3	Decane		142	C10H22	000124-18-5	53
4	Tridecane		184	C13H28	000629-50-5	53
5	Hexadecane		226	C16H34	000544-76-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
Data File : VD061609.D
Acq On : 5 Apr 2019 7:32
Operator : VA/AP
Sample : K2193-03
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
HR-06-040319-B

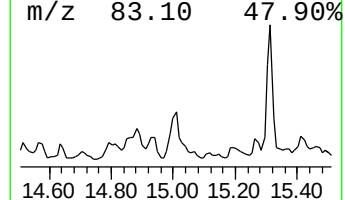
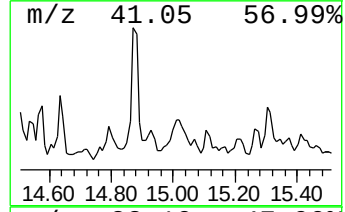
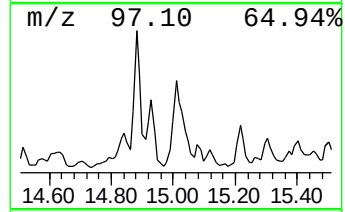
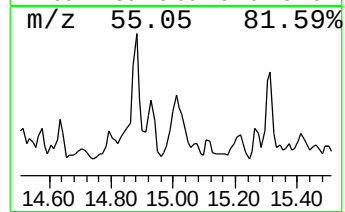
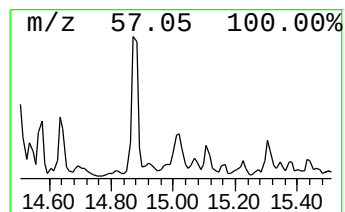
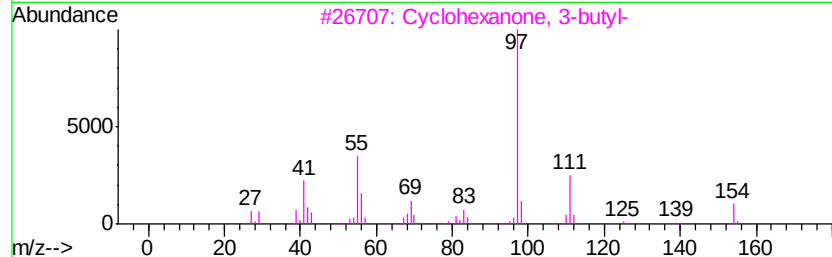
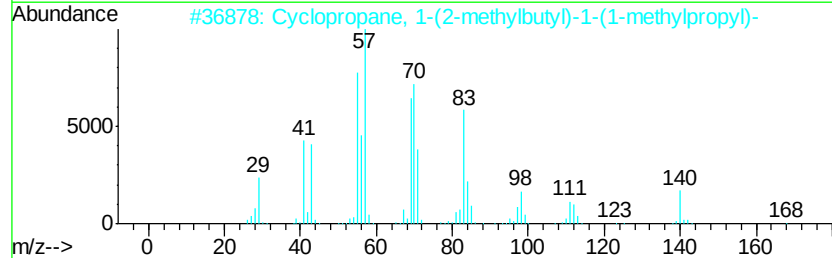
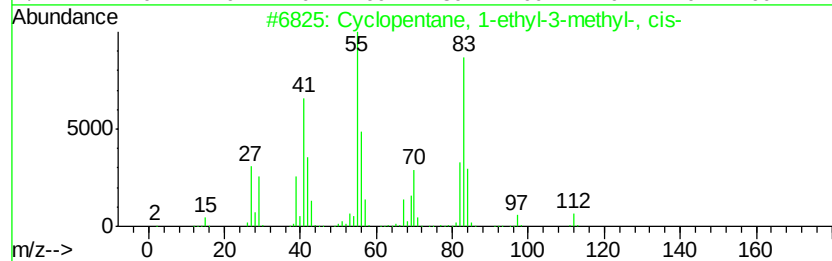
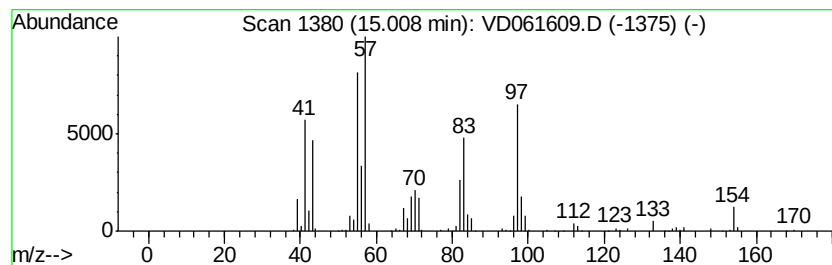
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Quant Title : SW846 8260

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

Peak Number 6 unknown15.01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	59.42 ug/l	4203710	1,4-Dichlorobenzene-d4	14.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-66-3	49
2		Cyclopropane, 1-(2-methylbutyl)-...	168	C12H24	064723-36-0	43
3		Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	30
4		5-Undecene, (E)-	154	C11H22	000764-97-6	30
5		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
Data File : VD061609.D
Acq On : 5 Apr 2019 7:32
Operator : VA/AP
Sample : K2193-03
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
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ClientSampleID :
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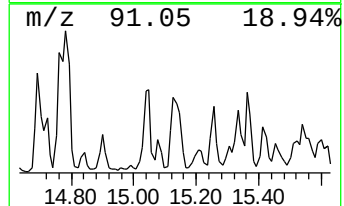
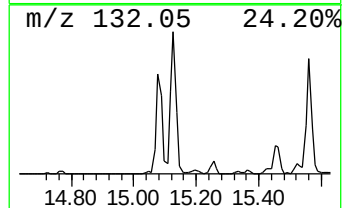
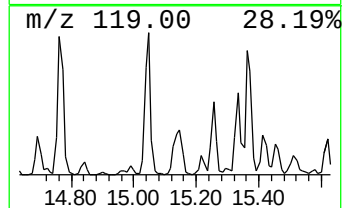
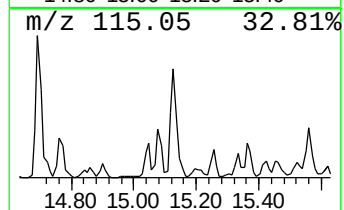
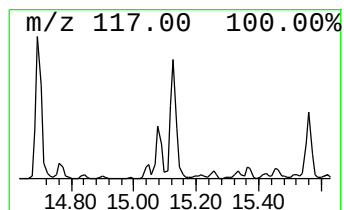
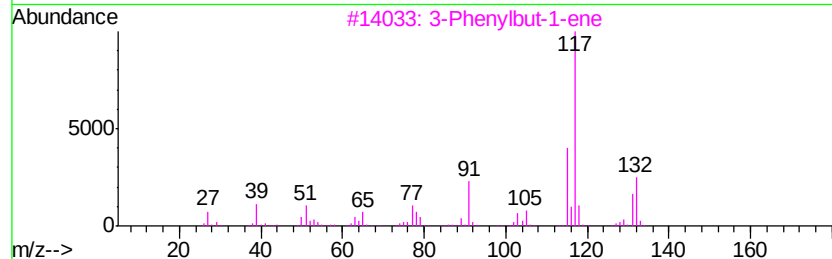
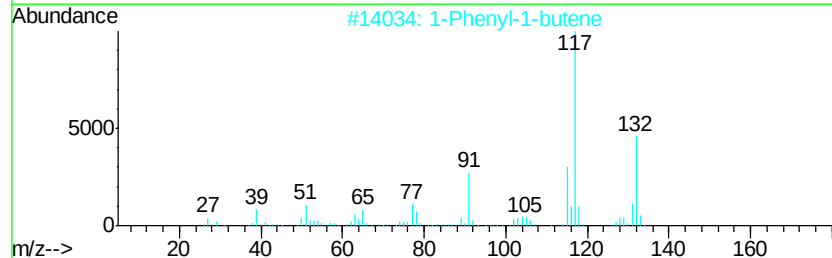
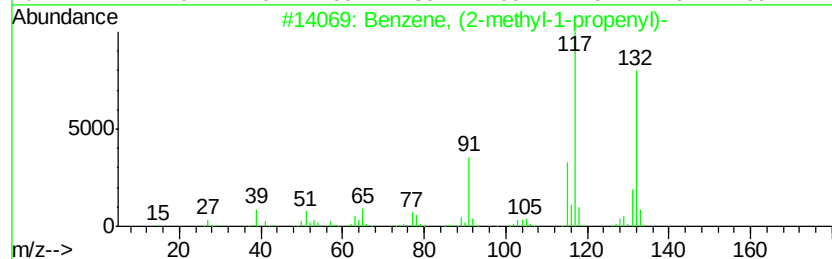
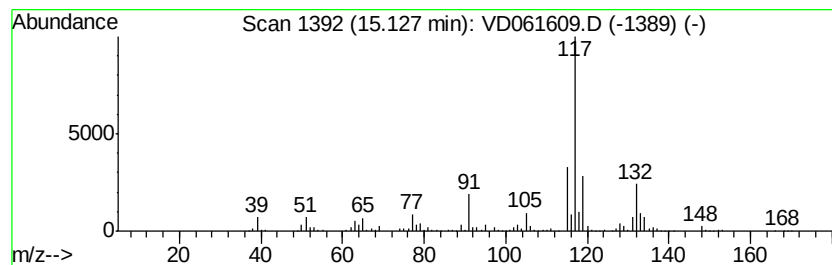
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, (2-methyl-1-propen... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	79.02 ug/l	5590340	1,4-Dichlorobenzene-d4	14.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
2		1-Phenyl-1-butene	132	C10H12	000824-90-8	81
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
4		Indan, 1-methyl-	132	C10H12	000767-58-8	76
5		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
Data File : VD061609.D
Acq On : 5 Apr 2019 7:32
Operator : VA/AP
Sample : K2193-03
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 41 Sample Multiplier: 1

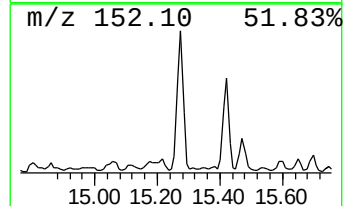
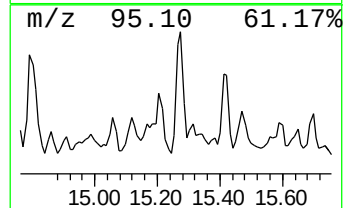
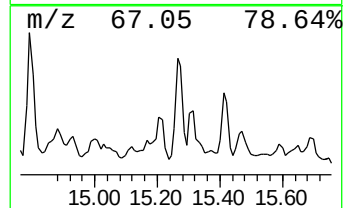
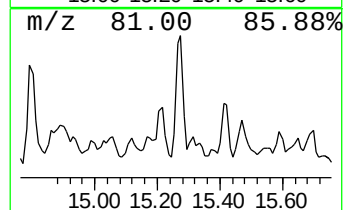
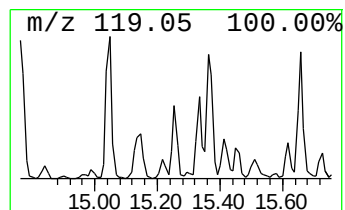
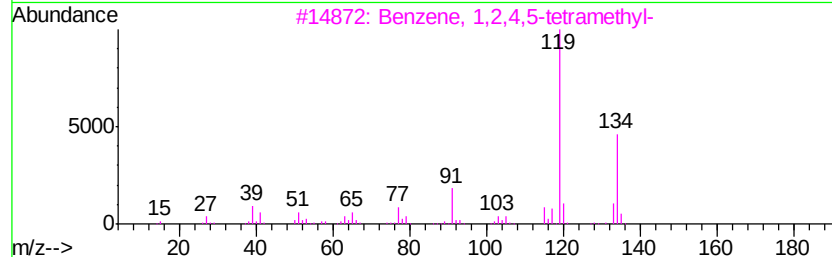
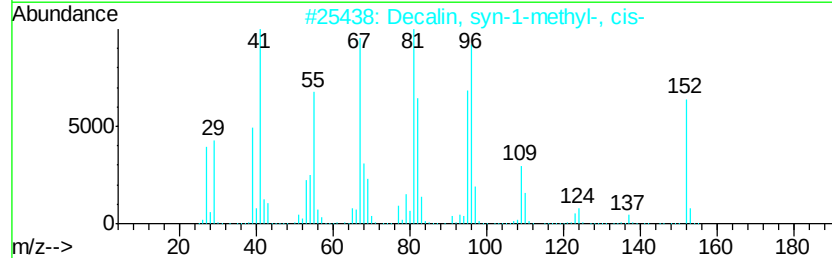
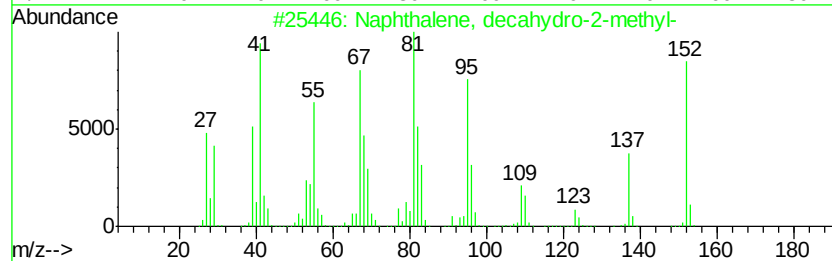
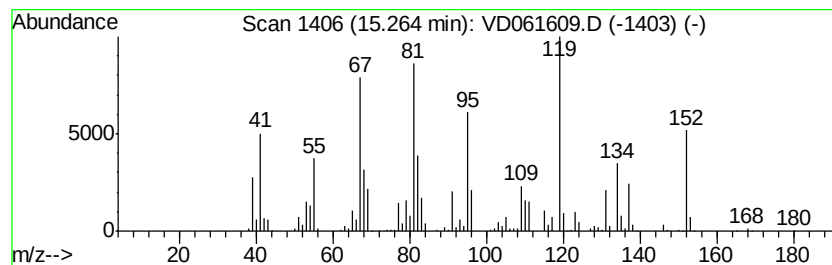
Instrument :
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ClientSampleID :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, decahydro-2-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	49.50 ug/l	3502030	1,4-Dichlorobenzene-d4	14.51
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 93
2		Decalin, syn-1-methyl-, cis-	152 C11H20	1000158-89-1 60
3		Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2 53
4		Bicyclo[4.1.0]heptane, 3-methyl-	110 C8H14	041977-47-3 46
5		1-Methyldecahydronaphthalene	152 C11H20	002958-75-0 42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
Data File : VD061609.D
Acq On : 5 Apr 2019 7:32
Operator : VA/AP
Sample : K2193-03
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 41 Sample Multiplier: 1

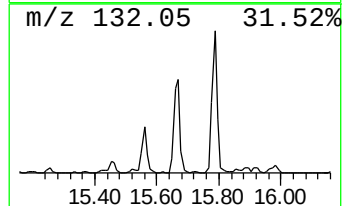
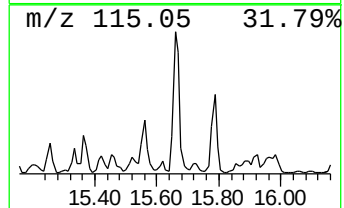
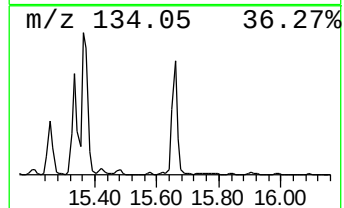
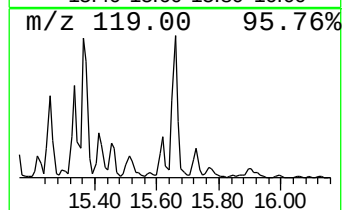
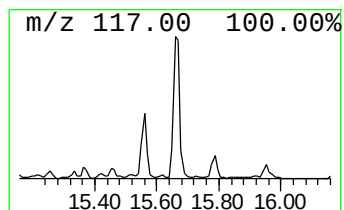
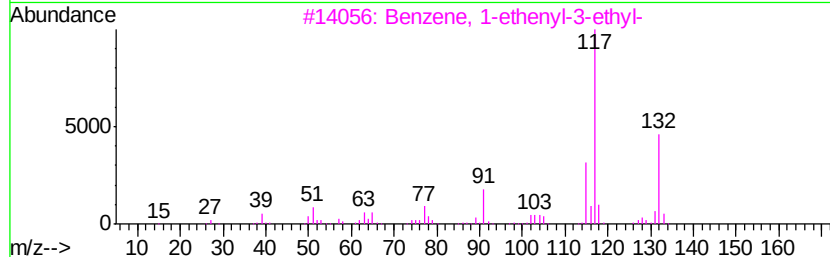
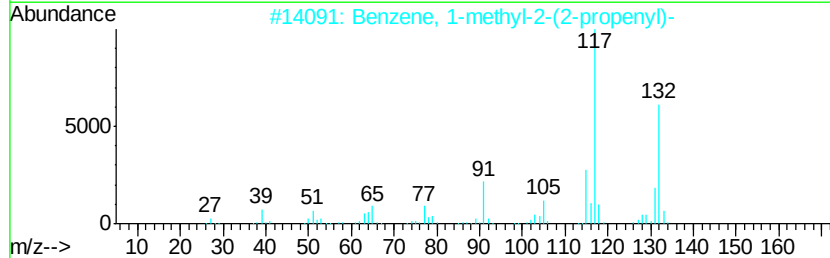
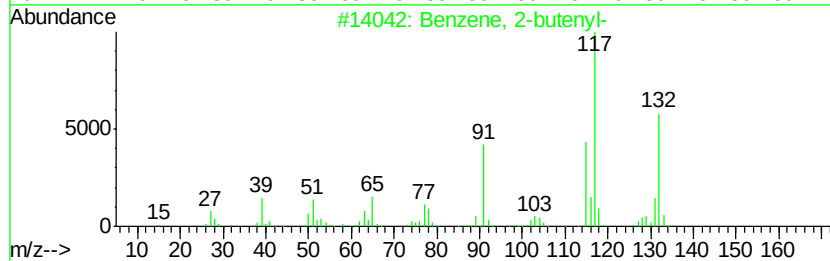
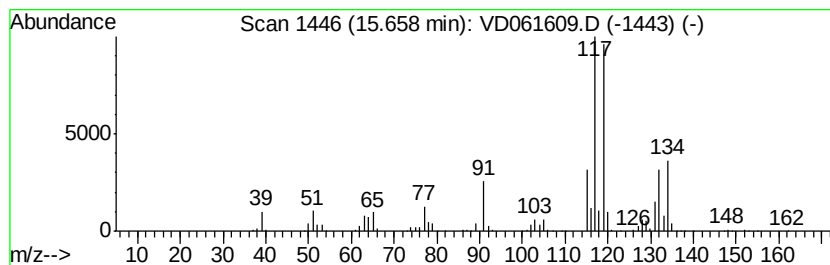
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 2-butenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	87.75 ug/l	6207950	1,4-Dichlorobenzene-d4	14.51
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 2-butenyl-	132 C10H12	001560-06-1 70
2		Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8 55
3		Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4 55
4		3-Phenylbut-1-ene	132 C10H12	000934-10-1 55
5		Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000768-00-3 55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
Data File : VD061609.D
Acq On : 5 Apr 2019 7:32
Operator : VA/AP
Sample : K2193-03
Misc : 4.56g/5ml/MSVOA D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-06-040319-B

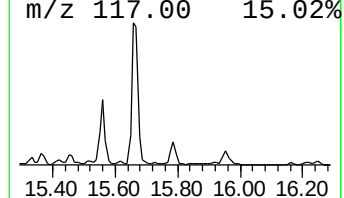
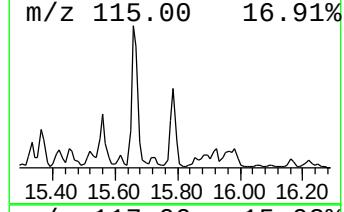
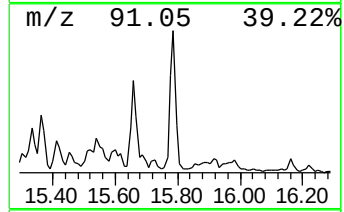
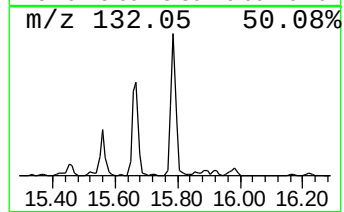
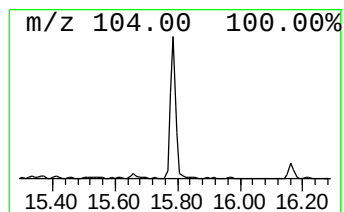
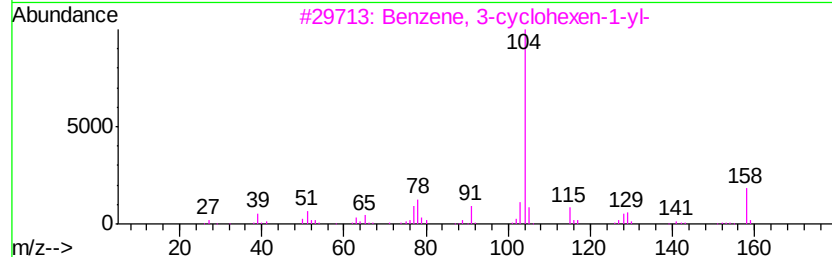
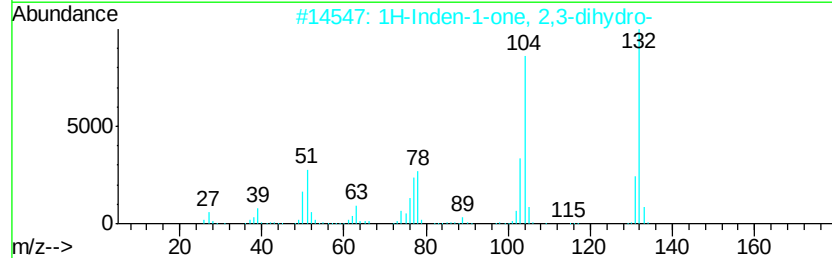
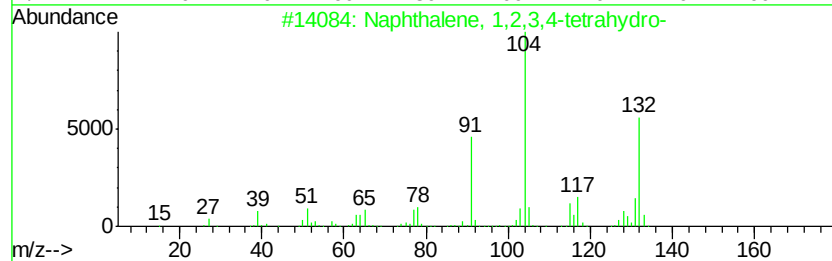
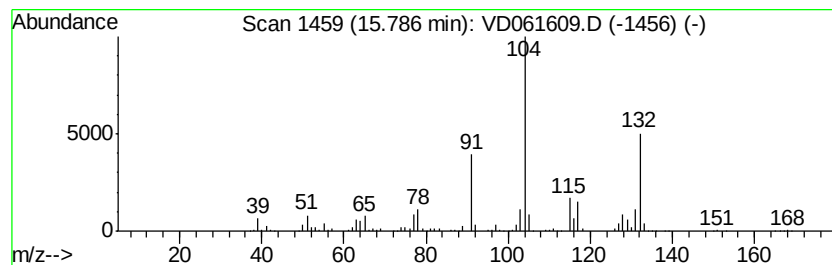
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	50.12 ug/l	3546070	1,4-Dichlorobenzene-d4	14.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2		1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	59
3		Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	47
4		Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	38
5		Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD040419\
Data File : VD061609.D
Acq On : 5 Apr 2019 7:32
Operator : VA/AP
Sample : K2193-03
Misc : 4.56g/5ml/MSVOA_D/SOIL
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
HR-06-040319-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.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
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Cyclohexanone, 2,...	13.30	80.5	ug/l	1925630	3	12.35	1195360	50.0
Decane, 3-methyl-	14.63	49.0	ug/l	3465320	4	14.51	3537340	50.0
Indane	14.69	59.5	ug/l	4207020	4	14.51	3537340	50.0
Undecane	14.88	130.9	ug/l	9261990	4	14.51	3537340	50.0
unknown15.01	15.01	59.4	ug/l	4203710	4	14.51	3537340	50.0
Benzene, (2-methy...	15.13	79.0	ug/l	5590340	4	14.51	3537340	50.0
Naphthalene, deca...	15.26	49.5	ug/l	3502030	4	14.51	3537340	50.0
Benzene, 2-butenyl-	15.66	87.8	ug/l	6207950	4	14.51	3537340	50.0
Naphthalene, 1,2,...	15.79	50.1	ug/l	3546070	4	14.51	3537340	50.0