

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062991.D
 Acq On : 1 Jul 2019 15:41
 Operator : VA/AP
 Sample : K3160-09
 Misc : 6.98g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-062819-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\82D061919S.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	1.493	3	7	22	rVB	634656	2088560	79.92%	3.484%
2	1.837	38	42	47	rVB3	15288	45866	1.76%	0.077%
3	3.216	178	182	189	rVB	24160	74646	2.86%	0.125%
4	3.816	238	243	248	rBV2	39912	108662	4.16%	0.181%
5	6.169	478	482	490	rVB2	10266	32557	1.25%	0.054%
6	6.927	549	559	565	rBV	515820	1499882	57.40%	2.502%
7	7.045	565	571	589	rVB	866707	2413872	92.37%	4.027%
8	7.458	606	613	623	rBV	372112	995288	38.09%	1.660%
9	8.217	684	690	704	rBV	1007089	2613199	100.00%	4.360%
10	8.866	751	756	762	rVB4	13041	33297	1.27%	0.056%
11	10.412	906	913	920	rBV	1109977	2520216	96.44%	4.204%
12	11.751	1045	1049	1052	rVB	17870	35358	1.35%	0.059%
13	11.839	1052	1058	1062	rBV	20123	39688	1.52%	0.066%
14	12.125	1084	1087	1089	rVV2	20555	38005	1.45%	0.063%
15	12.174	1089	1092	1098	rVB4	24146	59449	2.27%	0.099%
16	12.302	1101	1105	1108	rBV	26257	56136	2.15%	0.094%
17	12.371	1108	1112	1119	rVB	1542431	2573447	98.48%	4.293%
18	12.548	1124	1130	1134	rBV4	12166	31563	1.21%	0.053%
19	12.646	1134	1140	1143	rVV4	18329	55475	2.12%	0.093%
20	12.696	1143	1145	1147	rVV	33411	52794	2.02%	0.088%
21	12.735	1147	1149	1154	rVB3	62389	113189	4.33%	0.189%
22	13.001	1172	1176	1179	rBV3	47466	108427	4.15%	0.181%
23	13.089	1183	1185	1189	rVB2	29299	51565	1.97%	0.086%
24	13.217	1193	1198	1201	rVB3	77869	142798	5.46%	0.238%
25	13.306	1201	1207	1212	rBV5	85405	248010	9.49%	0.414%
26	13.404	1215	1217	1220	rVB2	29443	42304	1.62%	0.071%
27	13.473	1220	1224	1228	rBV2	52557	143054	5.47%	0.239%
28	13.552	1228	1232	1237	rBV	1283871	2017815	77.22%	3.366%
29	13.660	1241	1243	1246	rBV2	94340	134179	5.13%	0.224%
30	13.710	1246	1248	1252	rVB2	112682	174655	6.68%	0.291%
31	13.818	1256	1259	1260	rBV2	40743	67286	2.57%	0.112%
32	13.877	1263	1265	1267	rBV	73257	108592	4.16%	0.181%
33	13.926	1267	1270	1272	rBV2	221365	337187	12.90%	0.563%
34	13.966	1272	1274	1277	rVB	357464	475981	18.21%	0.794%

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35	14.025	1277	1280	1282	rBV4	31686	51089	1.96%	0.085%
36	14.084	1282	1286	1288	rBV	187205	308544	11.81%	0.515%
37	14.113	1288	1289	1292	rVB3	90476	110050	4.21%	0.184%
38	14.163	1292	1294	1295	rBV2	54318	68955	2.64%	0.115%
39	14.202	1295	1298	1301	rVB2	159232	206925	7.92%	0.345%
40	14.261	1301	1304	1308	rVB3	105214	198134	7.58%	0.331%
41	14.330	1308	1311	1312	rBV	72375	102732	3.93%	0.171%
42	14.369	1312	1315	1319	rVB5	104810	215093	8.23%	0.359%
43	14.438	1319	1322	1324	rBV	302829	396915	15.19%	0.662%
44	14.468	1324	1325	1327	rVB2	35296	36744	1.41%	0.061%
45	14.517	1327	1330	1332	rBV	1949883	2363888	90.46%	3.944%
46	14.556	1332	1334	1339	rVB	651583	956039	36.59%	1.595%
47	14.645	1339	1343	1346	rVB3	255604	435725	16.67%	0.727%
48	14.704	1346	1349	1351	rBV	336939	500526	19.15%	0.835%
49	14.733	1351	1352	1354	rVB	326811	275057	10.53%	0.459%
50	14.773	1354	1356	1358	rBV	914455	1278576	48.93%	2.133%
51	14.802	1358	1359	1362	rVB2	218994	275759	10.55%	0.460%
52	14.852	1362	1364	1365	rBV	76631	73935	2.83%	0.123%
53	14.881	1365	1367	1369	rBV2	601950	866026	33.14%	1.445%
54	14.980	1375	1377	1378	rBV	106417	154598	5.92%	0.258%
55	14.999	1378	1379	1382	rVV2	226602	474372	18.15%	0.791%
56	15.058	1382	1385	1387	rVV	742943	1110004	42.48%	1.852%
57	15.137	1390	1393	1399	rVV4	571869	1411106	54.00%	2.354%
58	15.226	1399	1402	1404	rVV3	244980	437013	16.72%	0.729%
59	15.275	1404	1407	1409	rVV2	493948	937249	35.87%	1.564%
60	15.314	1409	1411	1413	rVV2	416962	787479	30.13%	1.314%
61	15.344	1413	1414	1416	rVV	609559	771065	29.51%	1.286%
62	15.383	1416	1418	1420	rVV	868541	1188790	45.49%	1.983%
63	15.432	1420	1423	1425	rVV2	749615	1311789	50.20%	2.188%
64	15.472	1425	1427	1430	rVV3	366093	722837	27.66%	1.206%
65	15.551	1430	1435	1438	rVV4	371370	1259503	48.20%	2.101%
66	15.649	1442	1445	1446	rVV2	917059	1705598	65.27%	2.845%
67	15.669	1446	1447	1450	rVV	1589660	2431318	93.04%	4.056%
68	15.738	1452	1454	1457	rVV2	674295	1150374	44.02%	1.919%
69	15.797	1457	1460	1463	rVV3	766911	1367307	52.32%	2.281%
70	15.866	1463	1467	1468	rVV2	306259	590476	22.60%	0.985%
71	15.934	1468	1474	1475	rVV2	723907	2119609	81.11%	3.536%

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72	15.994	1475	1480	1482	rVV2	796690	1854843	70.98%	3.094%
73	16.053	1484	1486	1490	rVV5	383472	1037758	39.71%	1.731%
74	16.141	1493	1495	1497	rVV2	576549	983944	37.65%	1.641%
75	16.181	1497	1499	1501	rVV	425339	692989	26.52%	1.156%
76	16.230	1501	1504	1506	rVV2	814511	1451955	55.56%	2.422%
77	16.309	1509	1512	1515	rVV3	362145	805070	30.81%	1.343%
78	16.358	1515	1517	1521	rVV2	475401	754411	28.87%	1.259%
79	16.417	1521	1523	1526	rVV3	173486	331873	12.70%	0.554%
80	16.476	1526	1529	1530	rVV2	342684	538617	20.61%	0.899%
81	16.505	1530	1532	1537	rVB	544466	790655	30.26%	1.319%
82	16.574	1537	1539	1542	rBV3	149171	201932	7.73%	0.337%
83	16.624	1542	1544	1547	rBV	213836	303626	11.62%	0.507%
84	16.732	1552	1555	1558	rVV	403108	709611	27.15%	1.184%
85	16.771	1558	1559	1564	rVV4	101283	275478	10.54%	0.460%
86	16.880	1564	1570	1572	rVV4	209777	521446	19.95%	0.870%
87	16.919	1572	1574	1580	rVV4	95357	235417	9.01%	0.393%
88	17.067	1583	1589	1591	rVV7	48784	142996	5.47%	0.239%
89	17.096	1591	1592	1596	rVV3	28180	40966	1.57%	0.068%
90	17.165	1596	1599	1604	rVB6	24400	52382	2.00%	0.087%
91	17.451	1623	1628	1633	rVB6	10718	31680	1.21%	0.053%

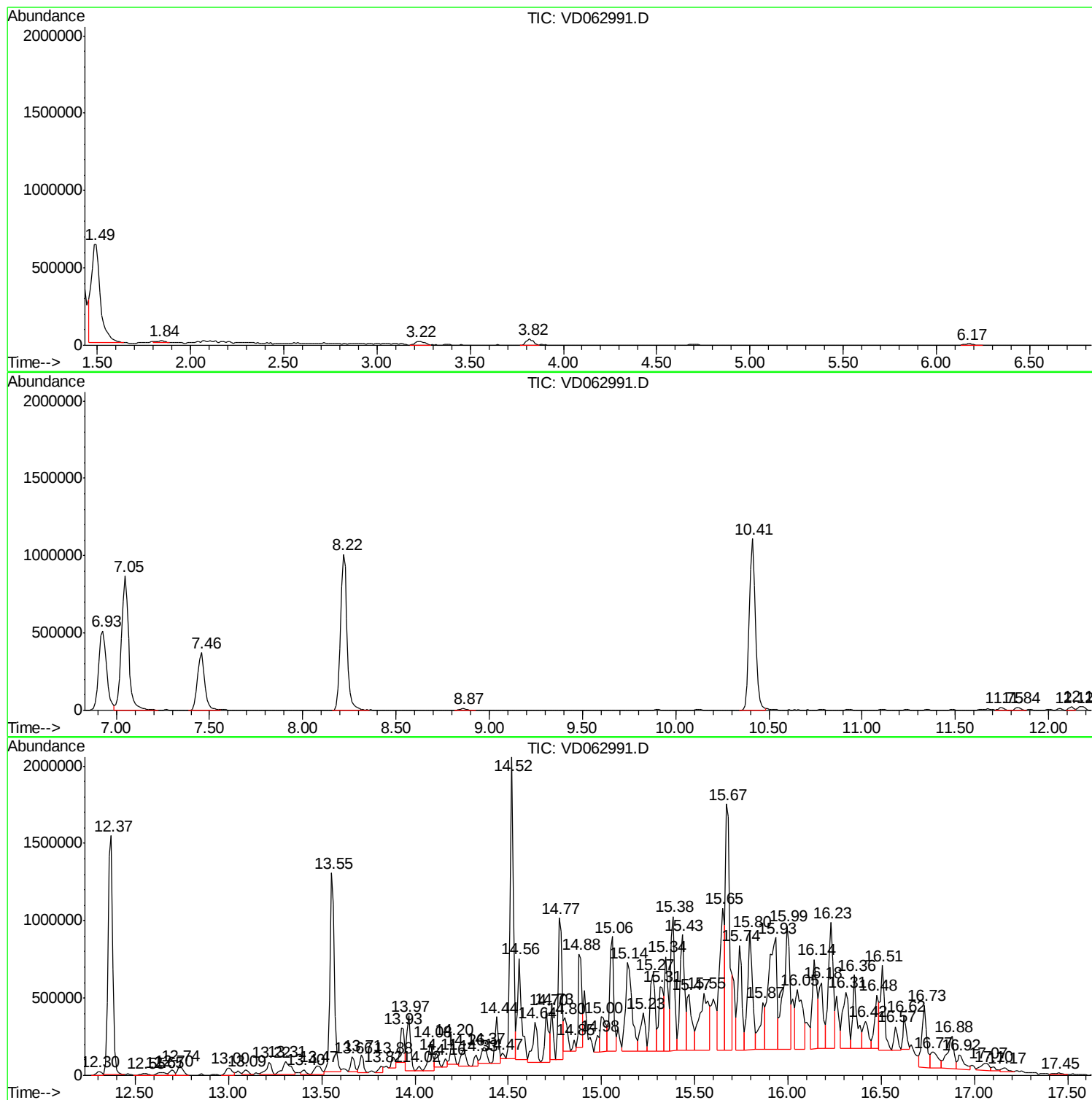
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260

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



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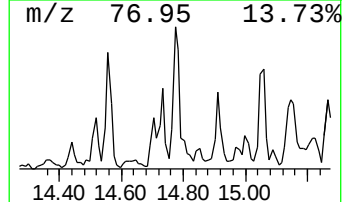
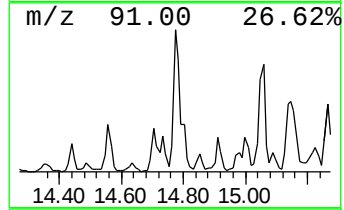
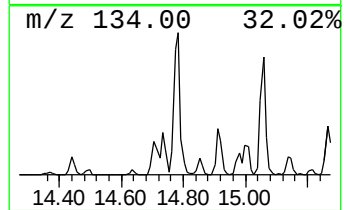
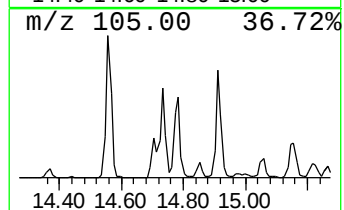
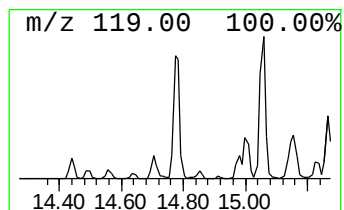
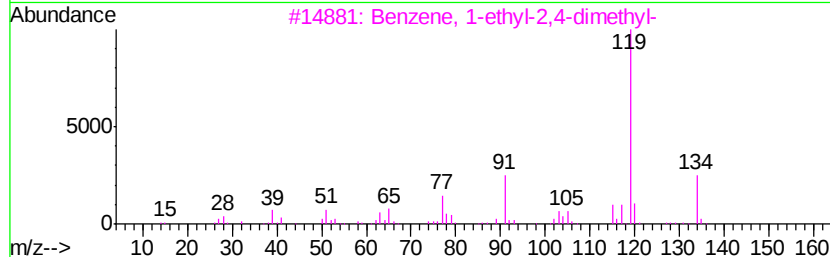
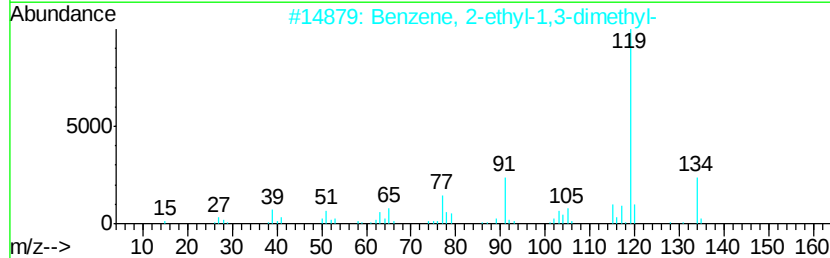
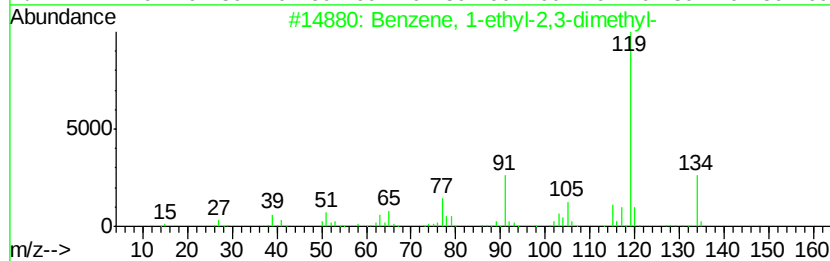
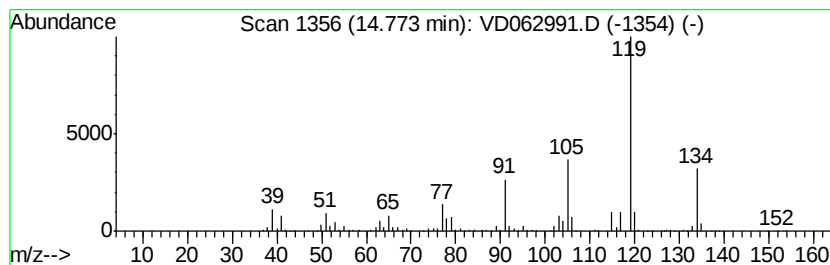
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	27.04 ug/l	1278580	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



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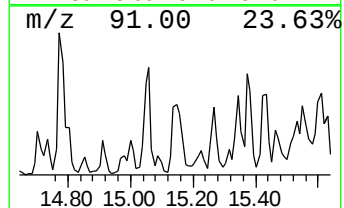
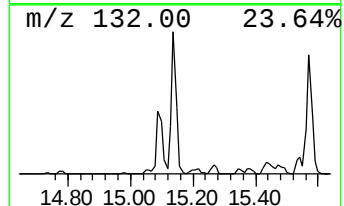
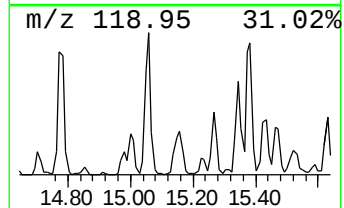
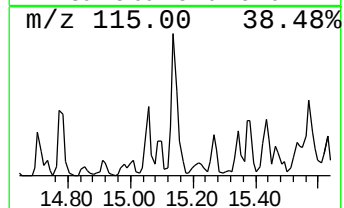
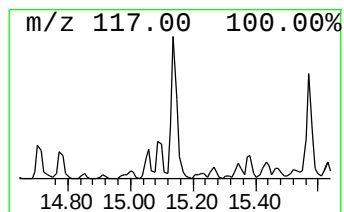
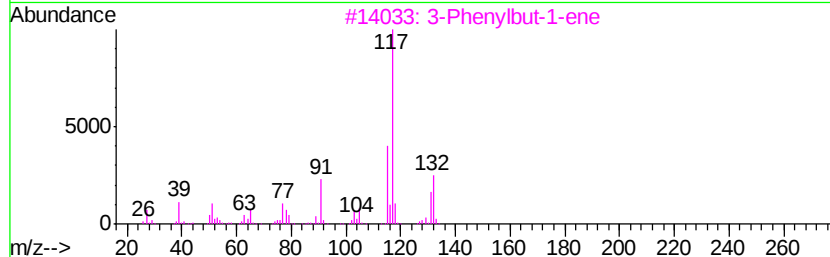
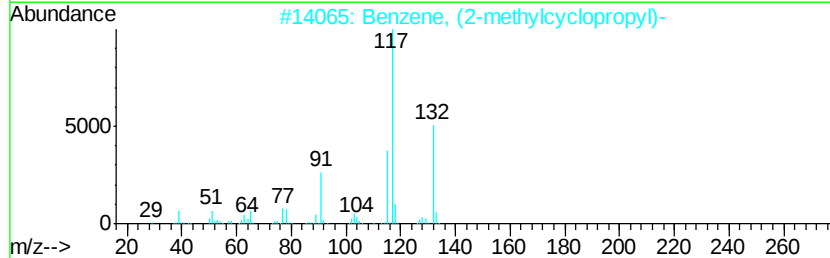
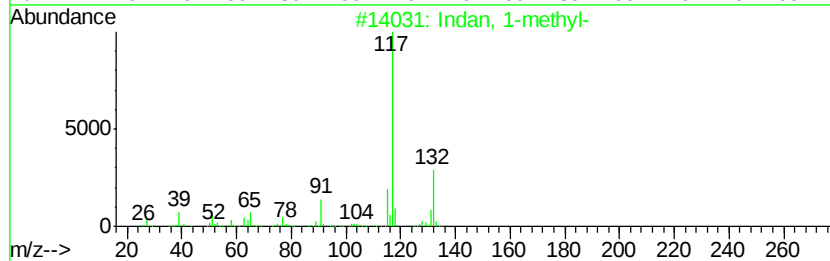
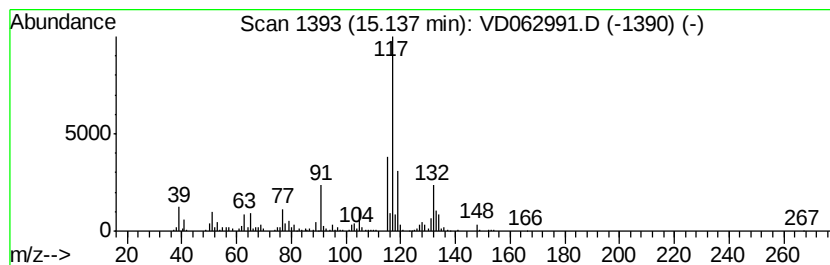
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	29.85 ug/l	1411110	1,4-Dichlorobenzene-d4	14.52

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-		132	C10H12	000767-58-8	64
2	Benzene, (2-methylcyclopropyl)-		132	C10H12	1000327-39-0	62
3	3-Phenylbut-1-ene		132	C10H12	000934-10-1	58
4	Benzene, (2-methyl-1-propenyl)-		132	C10H12	000768-49-0	55
5	Benzene, 2-butenyl-		132	C10H12	001560-06-1	55



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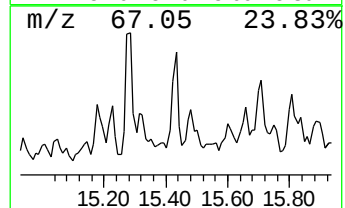
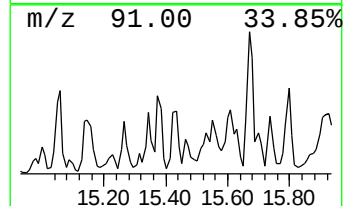
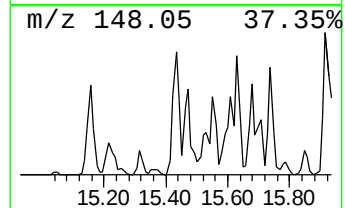
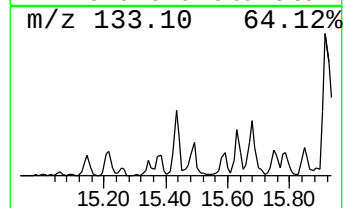
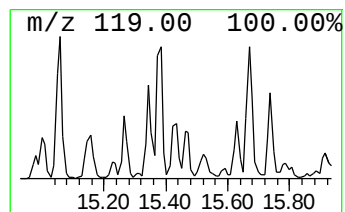
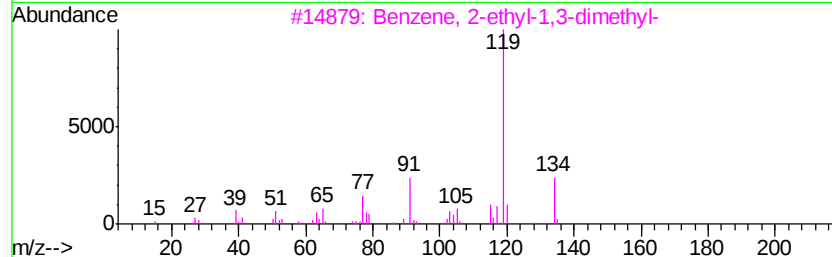
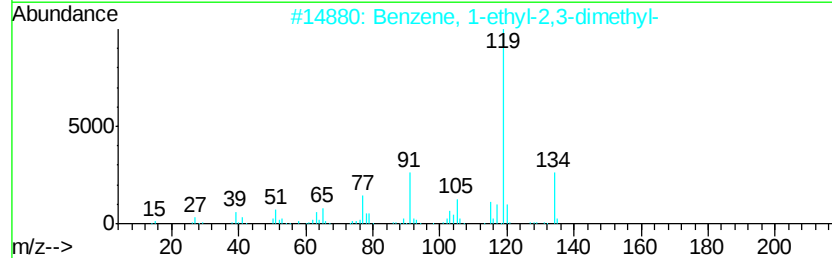
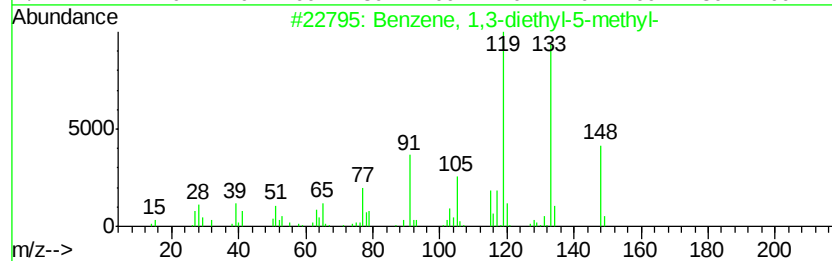
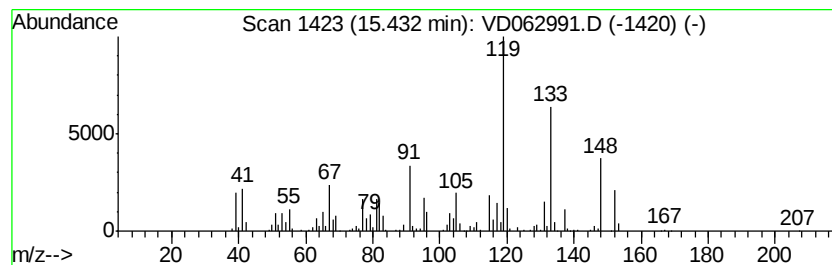
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	27.75 ug/l	1311790	1,4-Dichlorobenzene-d4	14.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0	83
2	Benzene, 1-ethyl-2,3-dimethyl-	134 C10H14	000933-98-2	55
3	Benzene, 2-ethyl-1,3-dimethyl-	134 C10H14	002870-04-4	50
4	Benzene, 4-ethyl-1,2-dimethyl-	134 C10H14	000934-80-5	50
5	Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9	50



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062991.D
Acq On : 1 Jul 2019 15:41
Operator : VA/AP
Sample : K3160-09
Misc : 6.98g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EO-01-062819-B

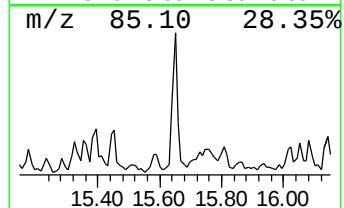
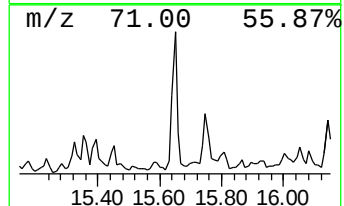
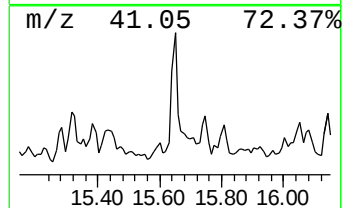
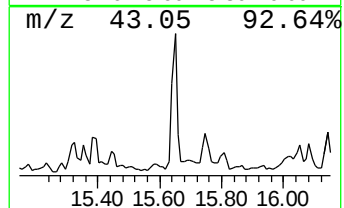
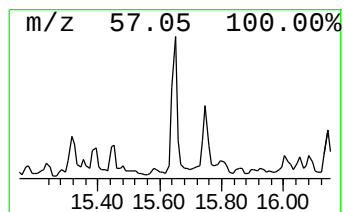
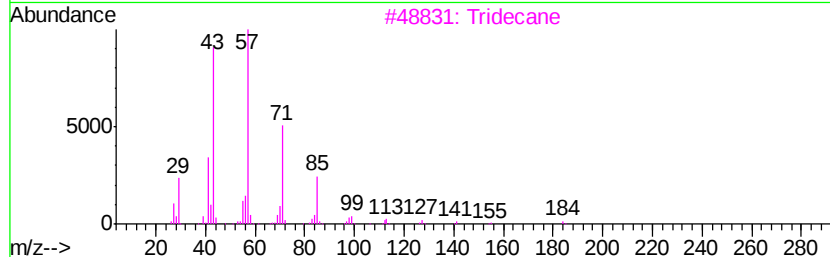
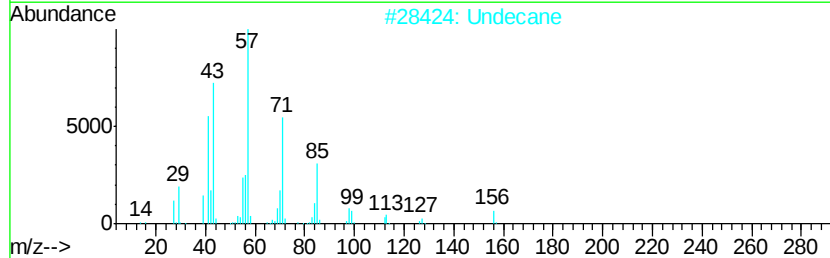
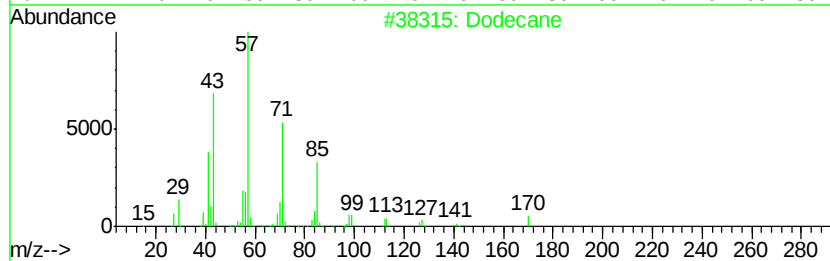
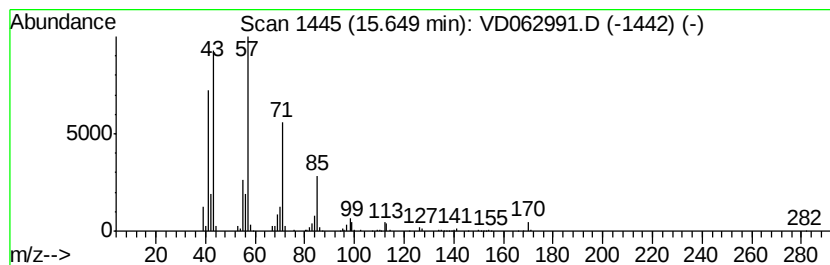
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Quant Title : SW846 8260

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

Peak Number 5 Dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	36.08 ug/l	1705600	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	97
2		Undecane	156	C11H24	001120-21-4	90
3		Tridecane	184	C13H28	000629-50-5	83
4		Hexadecane	226	C16H34	000544-76-3	72
5		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062991.D
Acq On : 1 Jul 2019 15:41
Operator : VA/AP
Sample : K3160-09
Misc : 6.98g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

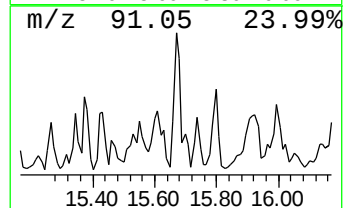
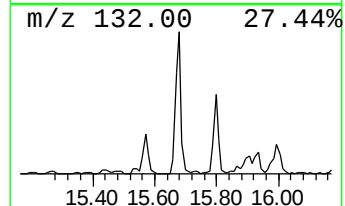
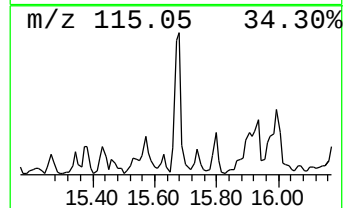
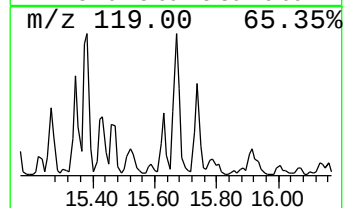
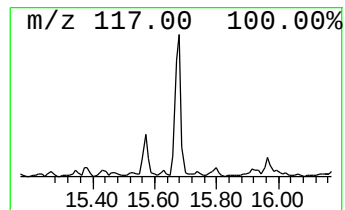
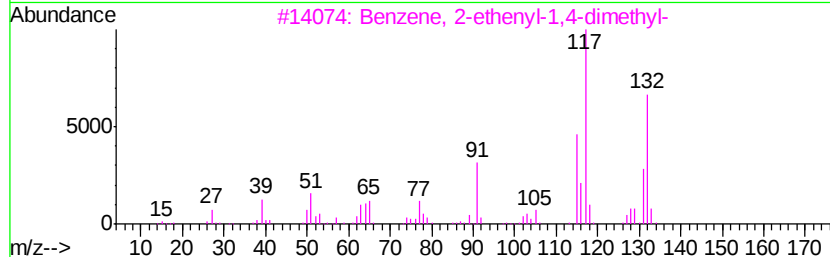
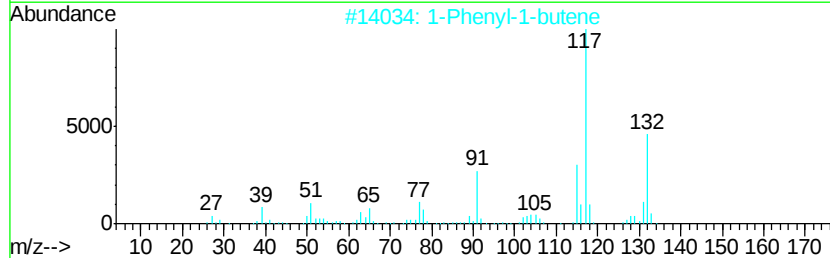
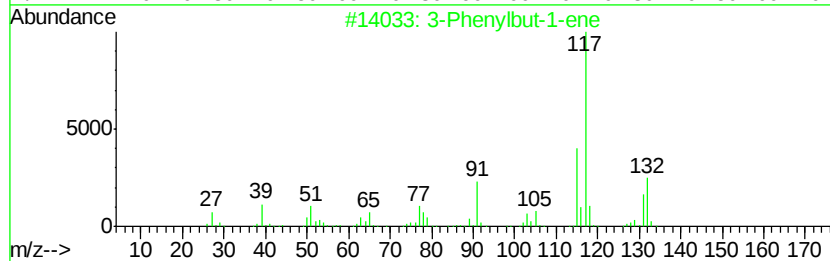
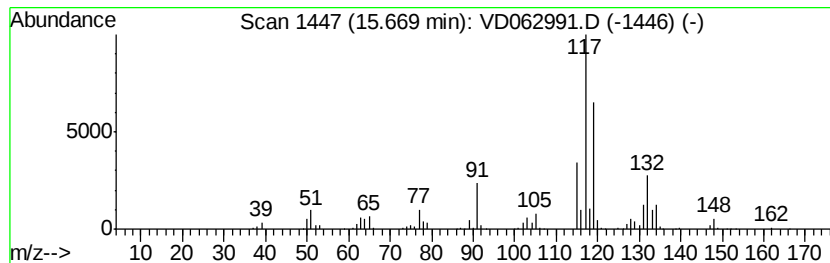
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ClientSampleId :
EO-01-062819-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260

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

Peak Number 6 3-Phenylbut-1-ene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	51.43 ug/l	2431320	1,4-Dichlorobenzene-d4	14.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		3-Phenylbut-1-ene	132 C10H12	000934-10-1 92
2		1-Phenyl-1-butene	132 C10H12	000824-90-8 70
3		Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6 64
4		Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7 64
5		Benzene, 2-butenyl-	132 C10H12	001560-06-1 62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062991.D
Acq On : 1 Jul 2019 15:41
Operator : VA/AP
Sample : K3160-09
Misc : 6.98g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
EO-01-062819-B

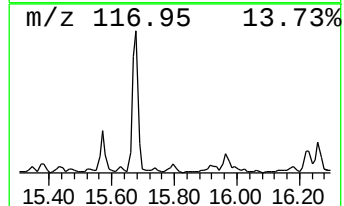
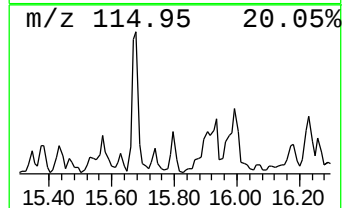
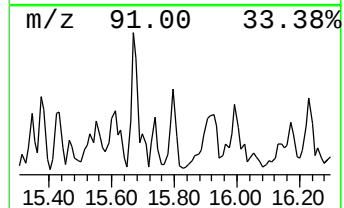
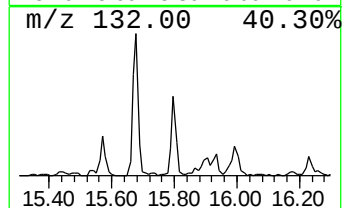
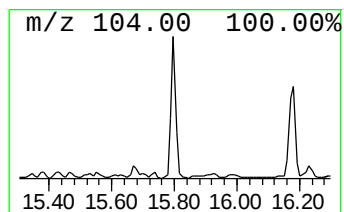
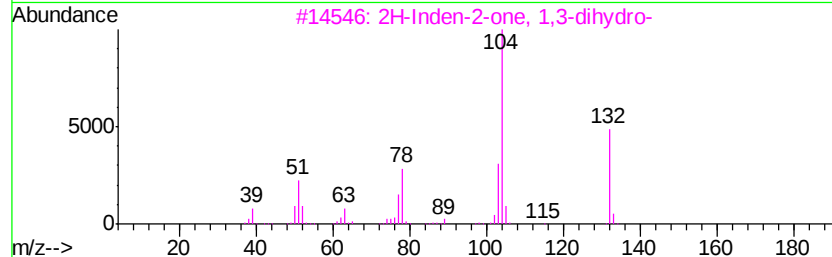
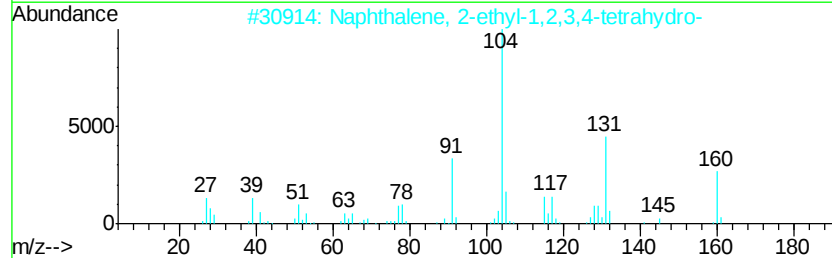
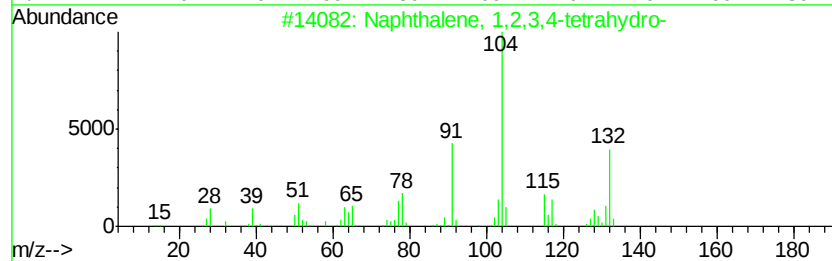
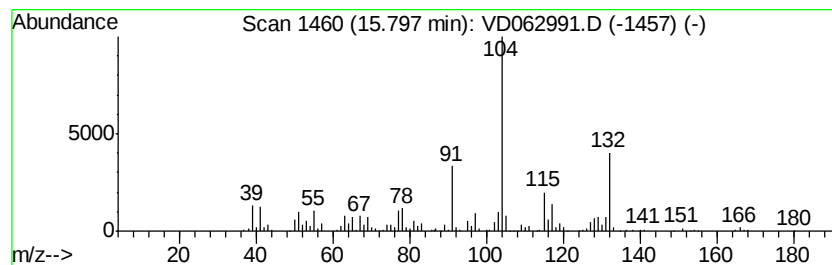
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Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	28.92 ug/l	1367310	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
2		Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	50
3		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	49
4		Benzene, cyclobutyl-	132	C10H12	004392-30-7	40
5		Isoquinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000091-21-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062991.D
Acq On : 1 Jul 2019 15:41
Operator : VA/AP
Sample : K3160-09
Misc : 6.98g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EO-01-062819-B

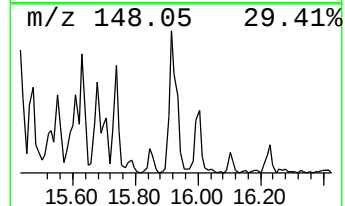
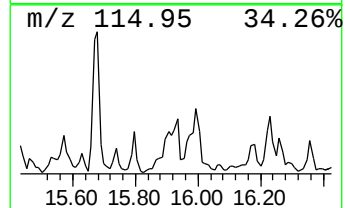
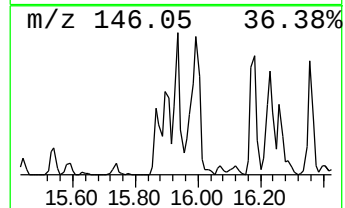
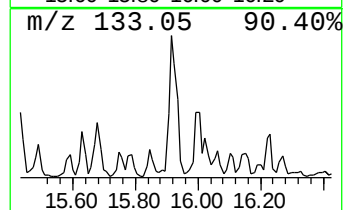
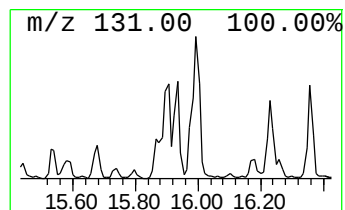
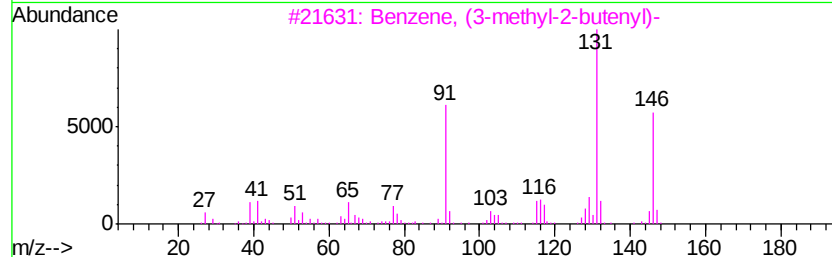
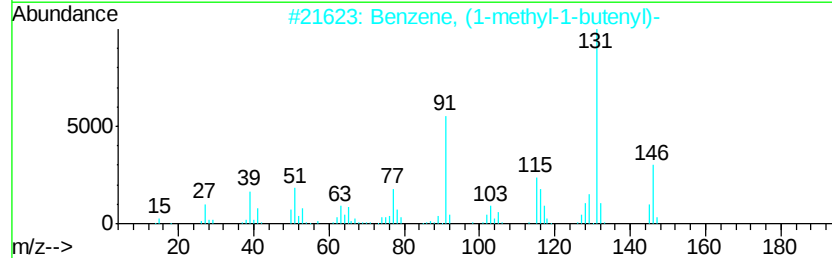
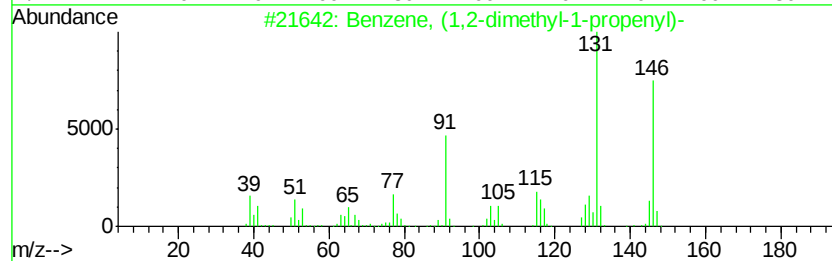
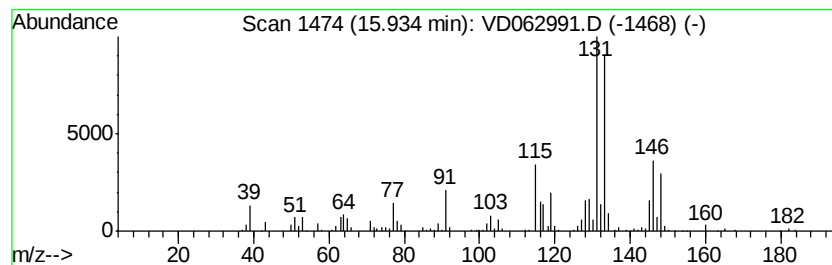
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	44.83 ug/l	2119610	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	86
2		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
3		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
4		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062991.D
Acq On : 1 Jul 2019 15:41
Operator : VA/AP
Sample : K3160-09
Misc : 6.98g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

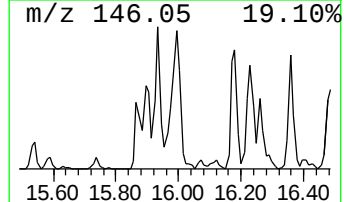
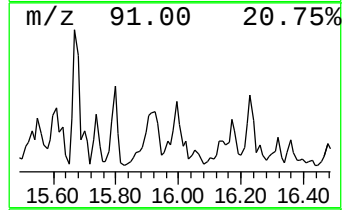
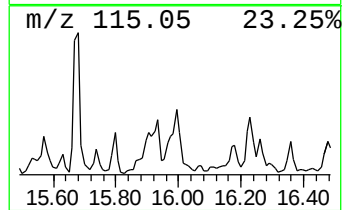
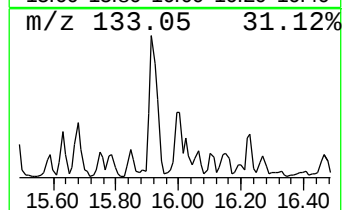
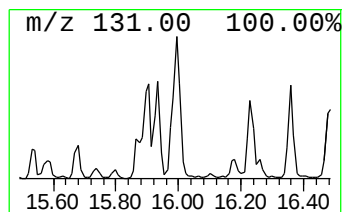
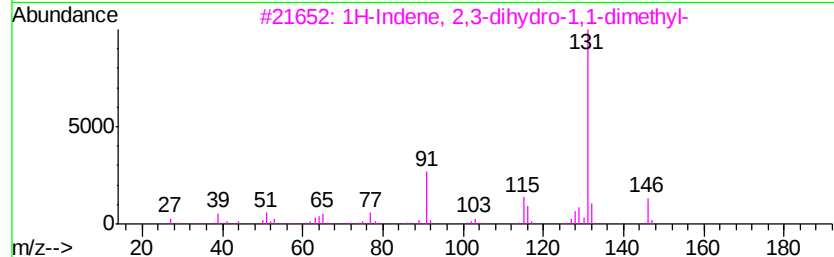
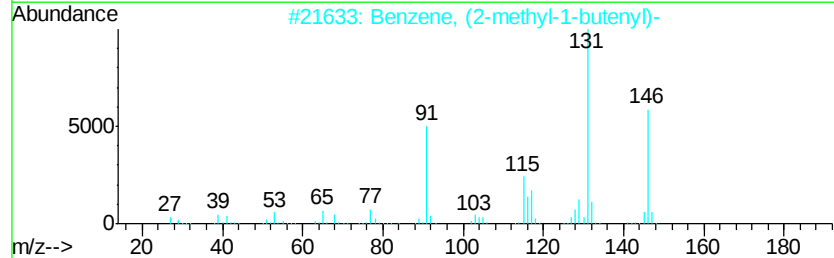
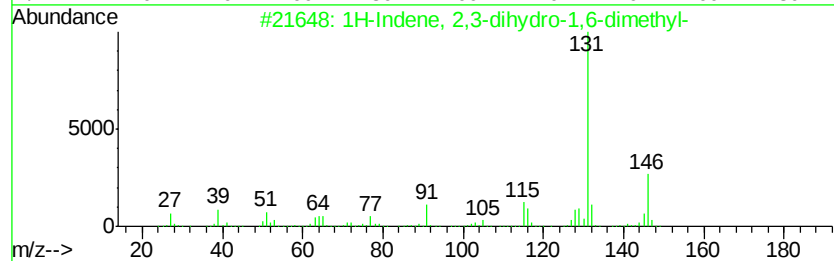
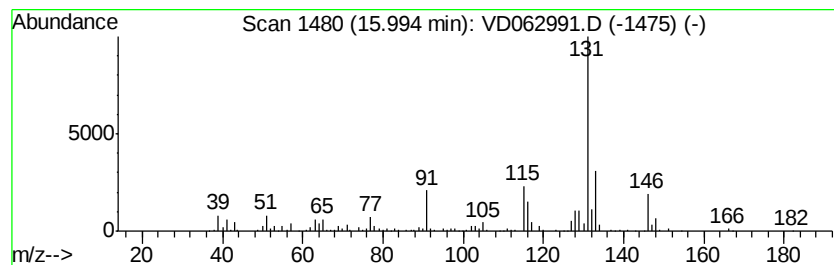
Instrument :
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ClientSampleId :
EO-01-062819-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260

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

Peak Number 9 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	39.23 ug/l	1854840	1,4-Dichlorobenzene-d4	14.52
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146 C11H14	017059-48-2	91
2	Benzene, (2-methyl-1-butenyl)-	146 C11H14	056253-64-6	87
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146 C11H14	004912-92-9	81
4	2,2-Dimethylindene, 2,3-dihydro-	146 C11H14	020836-11-7	81
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146 C11H14	004175-53-5	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD070119\
Data File : VD062991.D
Acq On : 1 Jul 2019 15:41
Operator : VA/AP
Sample : K3160-09
Misc : 6.98g/5ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleID :
EO-01-062819-B

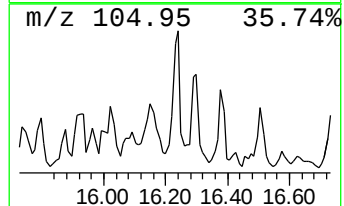
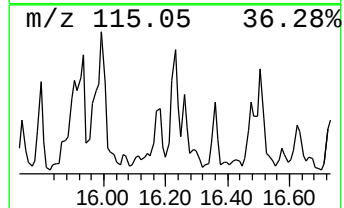
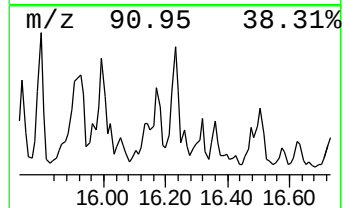
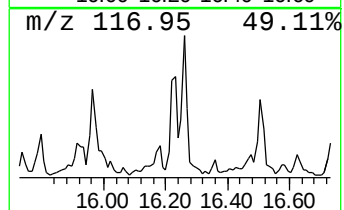
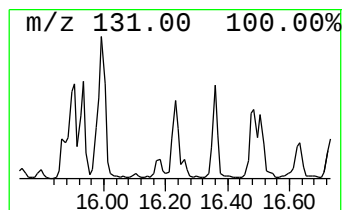
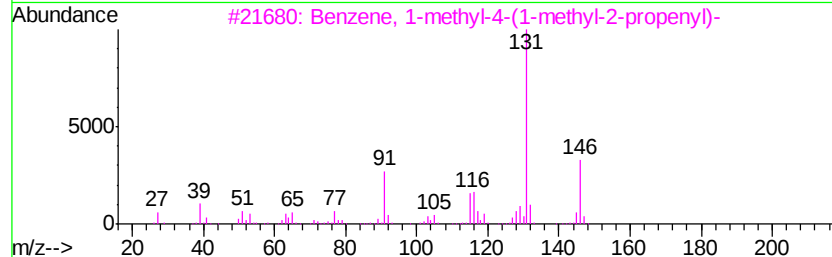
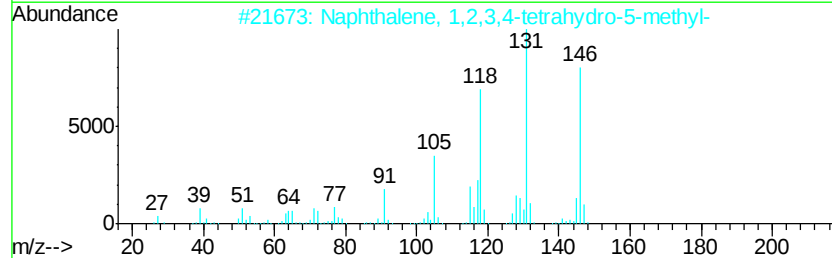
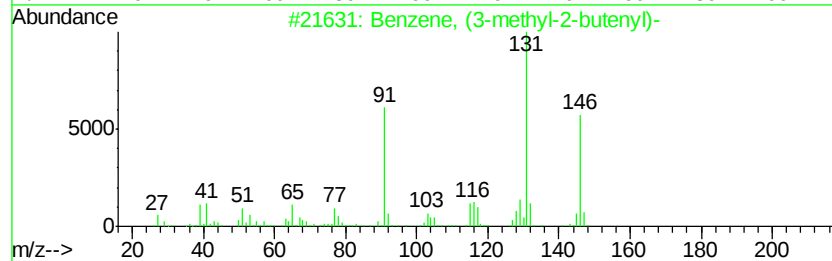
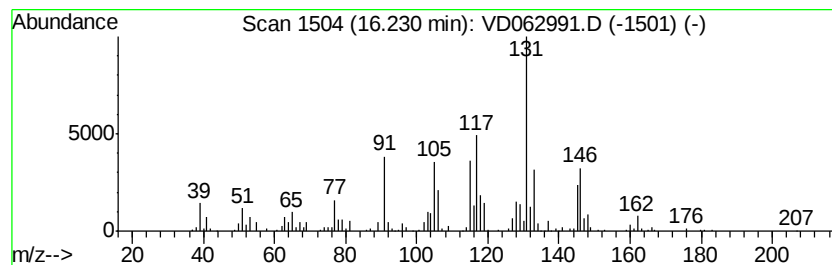
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, (3-methyl-2-butenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	30.71 ug/l	1451960	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	64
3		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	64
4		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	60



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD070119\
Data File : VD062991.D
Acq On : 1 Jul 2019 15:41
Operator : VA/AP
Sample : K3160-09
Misc : 6.98g/5ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
EO-01-062819-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.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
Benzene, 1-ethyl-...	14.77	27.0	ug/l	1278580	4	14.52	2363890	50.0
Indan, 1-methyl-	15.14	29.9	ug/l	1411110	4	14.52	2363890	50.0
Benzene, 1,3-diet...	15.43	27.8	ug/l	1311790	4	14.52	2363890	50.0
Dodecane	15.65	36.1	ug/l	1705600	4	14.52	2363890	50.0
3-Phenylbut-1-ene	15.67	51.4	ug/l	2431320	4	14.52	2363890	50.0
Naphthalene, 1,2,...	15.80	28.9	ug/l	1367310	4	14.52	2363890	50.0
Benzene, (1,2-dim...	15.93	44.8	ug/l	2119610	4	14.52	2363890	50.0
1H-Indene, 2,3-di...	15.99	39.2	ug/l	1854840	4	14.52	2363890	50.0
Benzene, (3-methy...	16.23	30.7	ug/l	1451960	4	14.52	2363890	50.0