

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062866.D
 Acq On : 25 Jun 2019 5:43
 Operator : VA/AP
 Sample : K3164-03
 Misc : 5.21a/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BAT-B05

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	1.479	3	5	10	rVB	366322	719949	57.70%	6.289%
2	1.774	33	35	37	rVV2	7024	13498	1.08%	0.118%
3	1.823	37	40	48	rVB4	39269	105202	8.43%	0.919%
4	2.355	90	94	98	rVB2	26896	51895	4.16%	0.453%
5	2.571	114	116	119	rVB2	10883	16555	1.33%	0.145%
6	2.630	121	122	126	rVV3	16557	38856	3.11%	0.339%
7	2.758	133	135	139	rVB3	9774	17668	1.42%	0.154%
8	3.231	178	183	195	rVV	108735	293920	23.55%	2.567%
9	3.379	195	198	202	rVB2	15112	33061	2.65%	0.289%
10	3.654	223	226	233	rVB3	5333	17484	1.40%	0.153%
11	3.881	238	249	255	rVV2	123787	431814	34.61%	3.772%
12	3.989	259	260	267	rVB4	6715	17175	1.38%	0.150%
13	4.708	331	333	336	rVB2	7492	12589	1.01%	0.110%
14	6.086	467	473	478	rBV2	14769	45527	3.65%	0.398%
15	6.184	478	483	492	rVB2	33746	109458	8.77%	0.956%
16	6.932	553	559	566	rBV	358508	1005263	80.56%	8.781%
17	7.051	566	571	582	rVB	358709	1023469	82.02%	8.940%
18	7.464	606	613	625	rBV	279516	766737	61.45%	6.697%
19	8.045	668	672	676	rBV2	4873	12912	1.03%	0.113%
20	8.232	684	691	702	rBV	508715	1247821	100.00%	10.899%
21	8.891	751	758	762	rBV3	8308	26567	2.13%	0.232%
22	10.417	908	913	920	rBV	484737	1096031	87.84%	9.573%
23	10.516	920	923	928	rVB3	21883	44331	3.55%	0.387%
24	11.244	991	997	1003	rVB	24031	63796	5.11%	0.557%
25	11.845	1055	1058	1062	rBV3	8507	18105	1.45%	0.158%
26	12.376	1108	1112	1118	rVB	407751	666416	53.41%	5.821%
27	12.534	1125	1128	1132	rBV2	5994	15995	1.28%	0.140%
28	12.672	1139	1142	1148	rVB3	10063	23190	1.86%	0.203%
29	13.016	1172	1177	1179	rBV3	7839	14607	1.17%	0.128%
30	13.056	1179	1181	1184	rVB	7837	13912	1.11%	0.122%
31	13.321	1201	1208	1212	rVB4	7333	21338	1.71%	0.186%
32	13.400	1212	1216	1221	rVB	110416	169758	13.60%	1.483%
33	13.479	1221	1224	1229	rBV2	18886	32327	2.59%	0.282%
34	13.568	1229	1233	1237	rBV	242680	374175	29.99%	3.268%

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Integration Parameters: RTEINT.P

Integrator: RTE
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35	13.666	1240	1243	1245	rVV2	9737	15879	1.27%	0.139%
36	13.715	1245	1248	1252	rVV2	33329	51028	4.09%	0.446%
37	13.853	1258	1262	1264	rBV4	10633	17552	1.41%	0.153%
38	13.892	1264	1266	1268	rVV2	9921	19903	1.60%	0.174%
39	13.932	1268	1270	1271	rVV2	14304	21625	1.73%	0.189%
40	13.961	1271	1273	1278	rVV3	36333	68212	5.47%	0.596%
41	14.089	1282	1286	1288	rBV3	9997	17323	1.39%	0.151%
42	14.207	1296	1298	1300	rBV2	10844	13199	1.06%	0.115%
43	14.247	1300	1302	1306	rVB	30560	44873	3.60%	0.392%
44	14.375	1313	1315	1319	rVB4	7692	14043	1.13%	0.123%
45	14.444	1319	1322	1326	rBV3	12371	29820	2.39%	0.260%
46	14.522	1326	1330	1333	rVV	184336	268358	21.51%	2.344%
47	14.562	1333	1334	1336	rVV	24405	26238	2.10%	0.229%
48	14.709	1345	1349	1354	rVB3	61043	105435	8.45%	0.921%
49	14.778	1354	1356	1358	rBV	16513	26958	2.16%	0.235%
50	14.808	1358	1359	1365	rVV3	22696	44033	3.53%	0.385%
51	14.887	1365	1367	1369	rVV2	20299	30978	2.48%	0.271%
52	14.946	1372	1373	1375	rVV2	12233	15015	1.20%	0.131%
53	14.985	1375	1377	1378	rVV2	12257	15426	1.24%	0.135%
54	15.015	1378	1380	1381	rVV2	10471	16062	1.29%	0.140%
55	15.064	1383	1385	1387	rVV2	22904	27013	2.16%	0.236%
56	15.143	1387	1393	1398	rVV5	27998	83313	6.68%	0.728%
57	15.231	1401	1402	1404	rVB2	14617	13455	1.08%	0.118%
58	15.290	1404	1408	1410	rBV2	26444	47467	3.80%	0.415%
59	15.349	1412	1414	1416	rVV2	17188	31469	2.52%	0.275%
60	15.389	1416	1418	1420	rVV2	26100	38102	3.05%	0.333%
61	15.438	1420	1423	1425	rVV3	33510	53415	4.28%	0.467%
62	15.487	1425	1428	1430	rVV3	13543	25889	2.07%	0.226%
63	15.556	1430	1435	1436	rVV4	15129	42586	3.41%	0.372%
64	15.576	1436	1437	1441	rVV4	24705	34313	2.75%	0.300%
65	15.635	1441	1443	1445	rVV	15121	26167	2.10%	0.229%
66	15.674	1445	1447	1452	rVV3	74075	124564	9.98%	1.088%
67	15.753	1452	1455	1457	rVV2	23182	42723	3.42%	0.373%
68	15.802	1457	1460	1464	rVV2	66941	106677	8.55%	0.932%
69	15.910	1466	1471	1473	rVV6	26679	82674	6.63%	0.722%
70	15.940	1473	1474	1475	rVV	27029	22831	1.83%	0.199%
71	15.999	1475	1480	1484	rVV3	39156	97189	7.79%	0.849%

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72	16.048	1484	1485	1490	rVV5	17979	46249	3.71%	0.404%
73	16.127	1490	1493	1497	rVV	445163	557389	44.67%	4.869%
74	16.186	1497	1499	1500	rVV	22515	36252	2.91%	0.317%
75	16.235	1502	1504	1506	rVV2	45241	66158	5.30%	0.578%
76	16.304	1509	1511	1515	rVV4	14906	26742	2.14%	0.234%
77	16.363	1515	1517	1521	rVV3	25459	44328	3.55%	0.387%
78	16.413	1521	1522	1526	rVB4	8276	15167	1.22%	0.132%
79	16.481	1526	1529	1530	rBV3	16643	24415	1.96%	0.213%
80	16.511	1530	1532	1535	rVV3	42608	52267	4.19%	0.457%
81	16.580	1537	1539	1542	rVB3	15647	21246	1.70%	0.186%
82	16.629	1542	1544	1546	rBV3	17847	20112	1.61%	0.176%
83	16.737	1552	1555	1557	rVB3	26274	36962	2.96%	0.323%
84	16.885	1564	1570	1571	rVV3	14709	33684	2.70%	0.294%
85	16.924	1571	1574	1580	rVB	60130	89636	7.18%	0.783%
86	17.062	1585	1588	1591	rBV	48384	54827	4.39%	0.479%

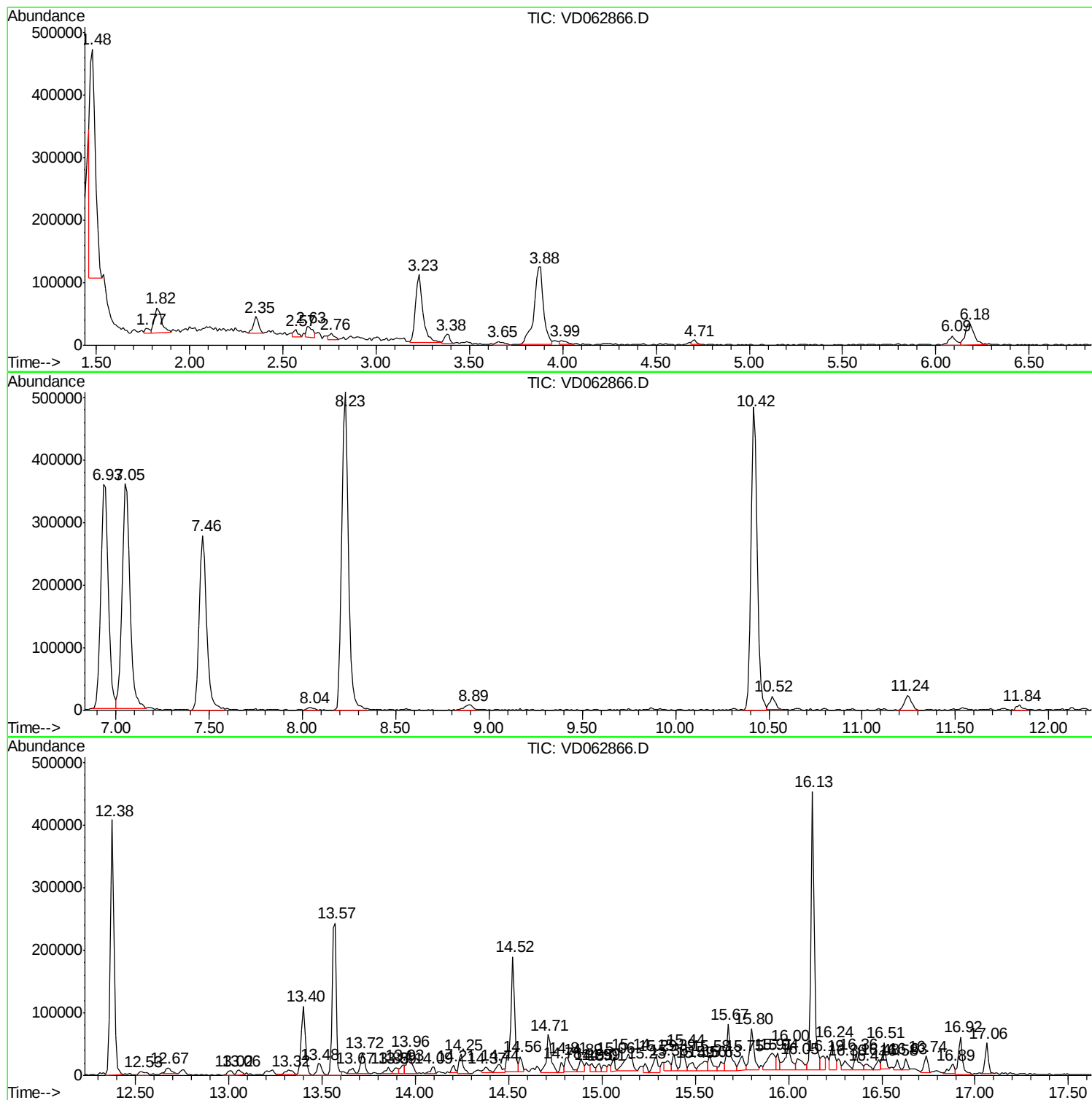
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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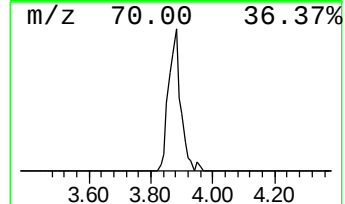
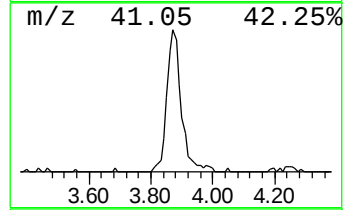
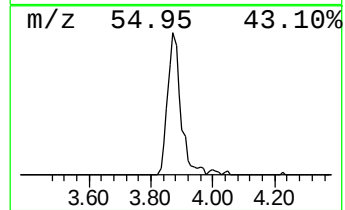
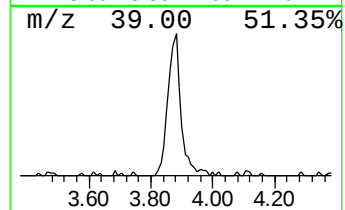
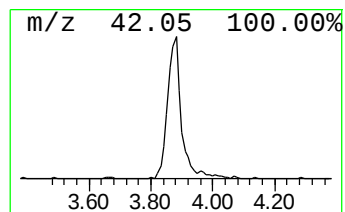
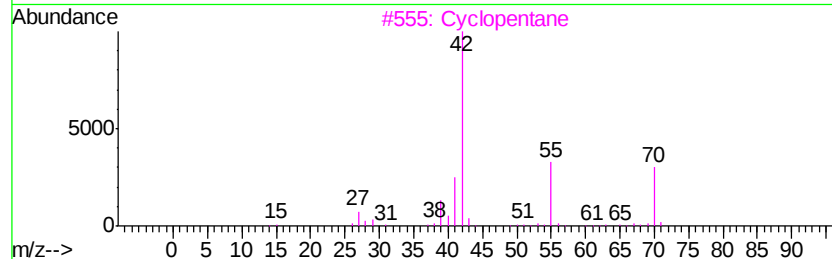
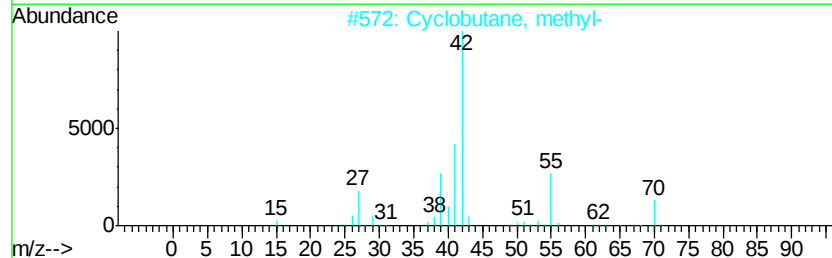
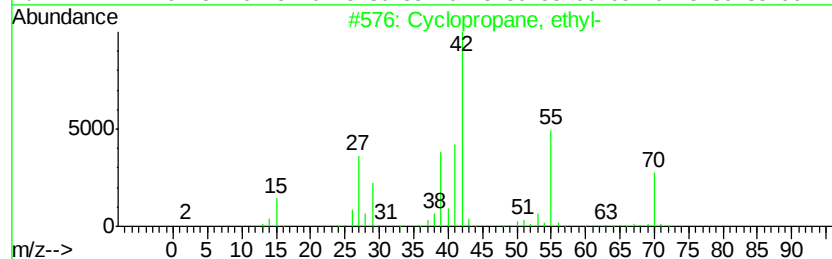
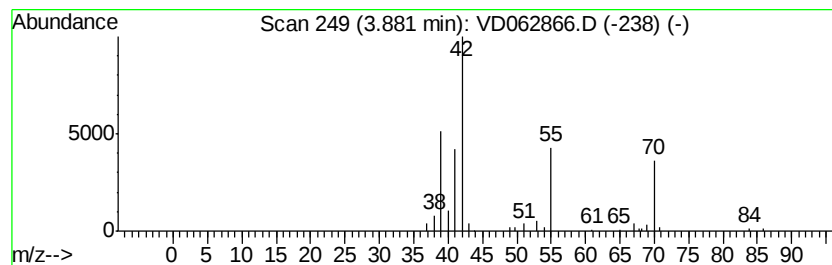
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260

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

Peak Number 2 Cyclopropane, ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	21.10 ug/l	431814	Pentafluorobenzene	7.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
2		Cyclobutane, methyl-	70	C5H10	000598-61-8	53
3		Cyclopentane	70	C5H10	000287-92-3	50
4		1-Pentene	70	C5H10	000109-67-1	50
5		2-Butene-1,4-diol	88	C4H8O2	000110-64-5	40



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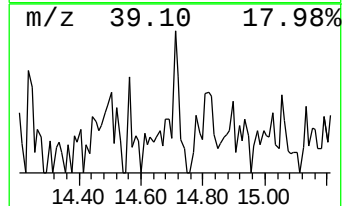
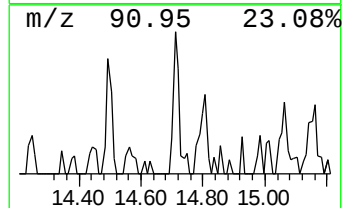
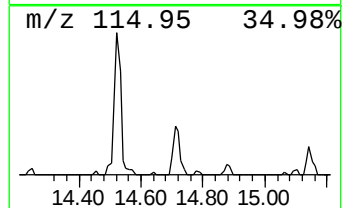
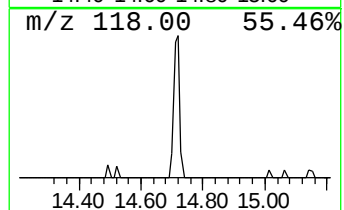
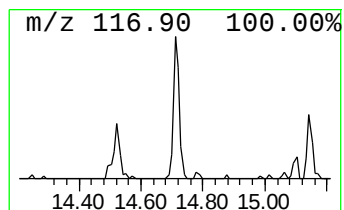
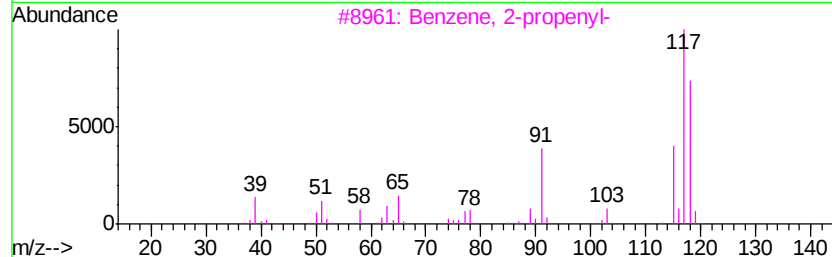
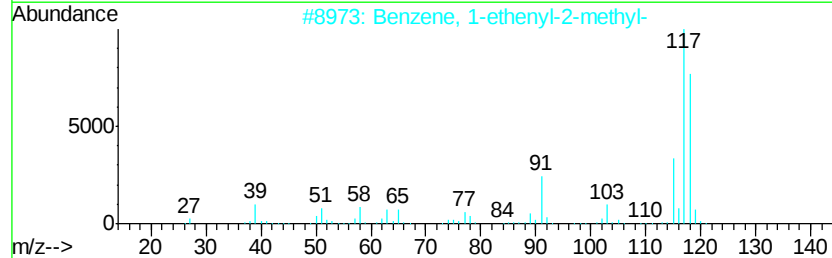
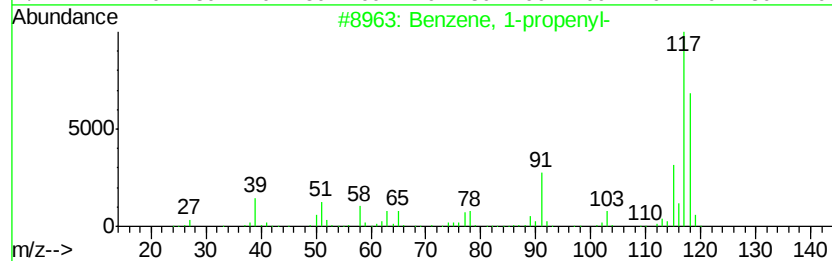
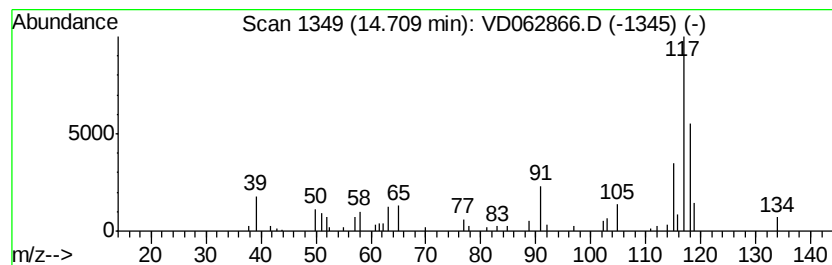
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Quant Title : SW846 8260

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

Peak Number 3 Benzene, 1-propenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	19.64 ug/l	105435	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
2		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	68
4		Indane	118	C9H10	000496-11-7	68
5		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64



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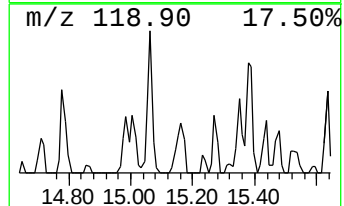
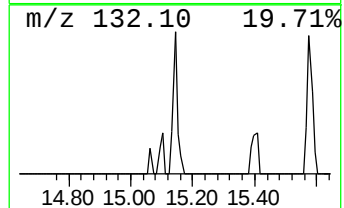
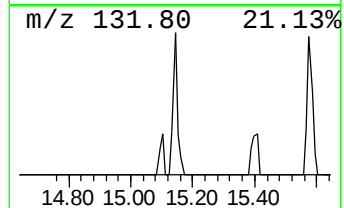
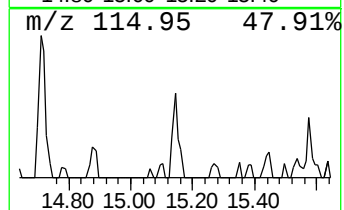
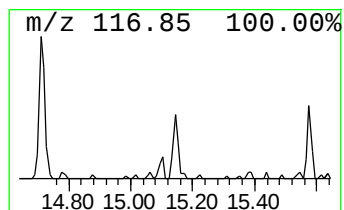
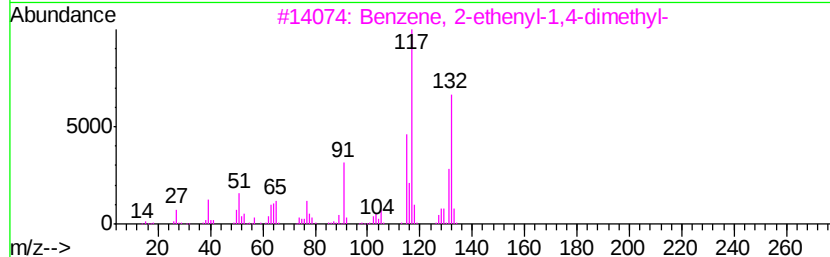
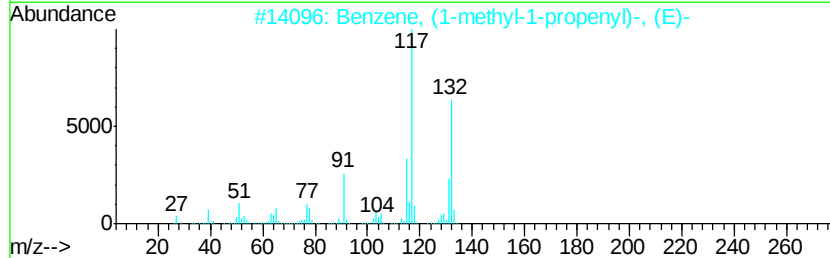
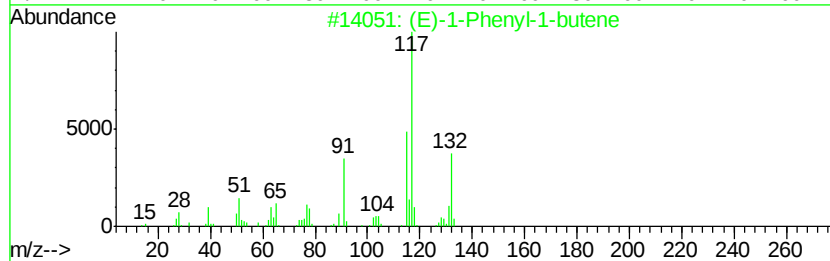
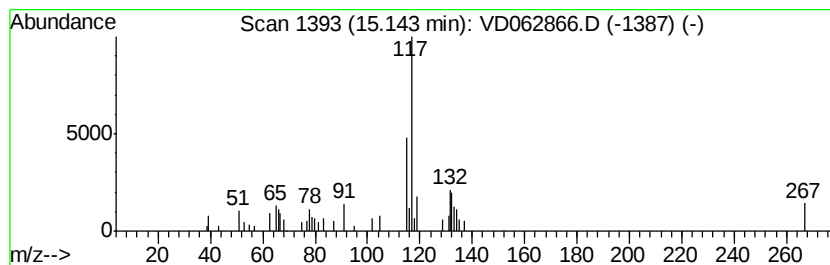
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260

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

Peak Number 4 (E)-1-Phenyl-1-butene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	15.52 ug/l	83313	1,4-Dichlorobenzene-d4	14.52

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	64	
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	59	
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	53	
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	52	
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	52	



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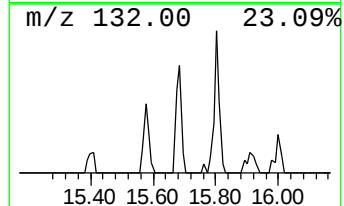
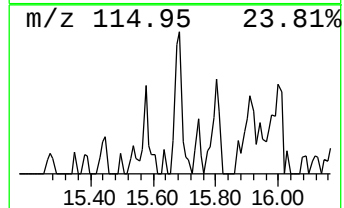
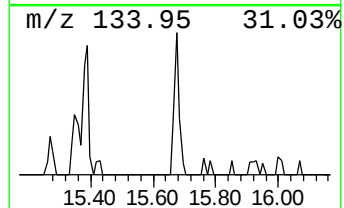
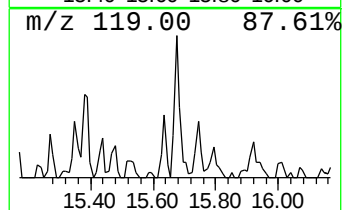
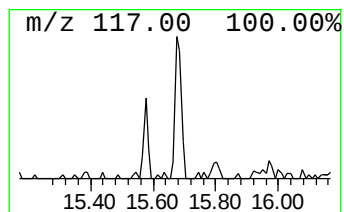
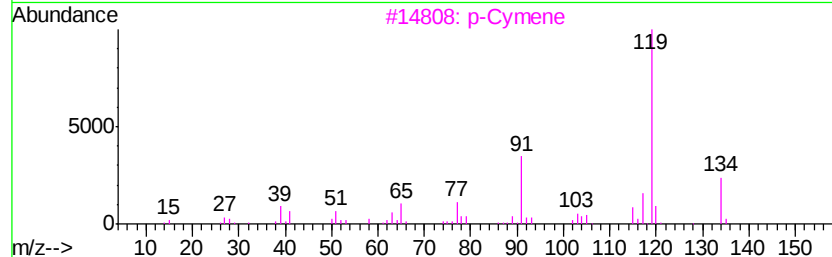
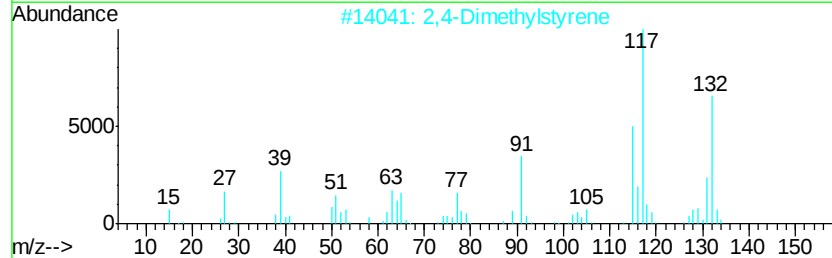
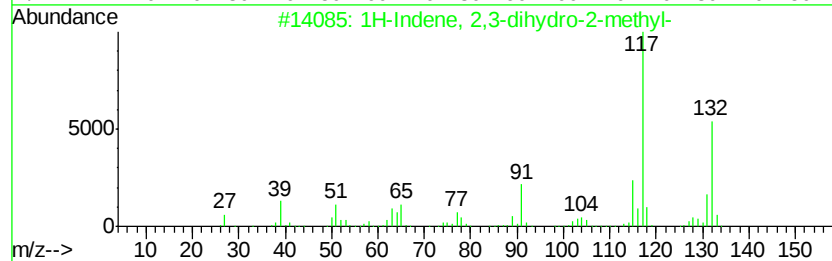
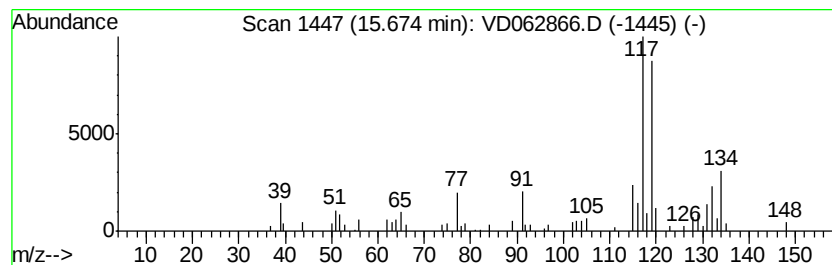
Instrument :
MSVOA_D
ClientSampleId :
BAT-B05

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 5 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.67	23.21 ug/l	124564	1,4-Dichlorobenzene-d4	14.52	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	50
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	50
3	p-Cymene	134	C10H14	000099-87-6	50
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	49
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062866.D
Acq On : 25 Jun 2019 5:43
Operator : VA/AP
Sample : K3164-03
Misc : 5.21g/5ml/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BAT-B05

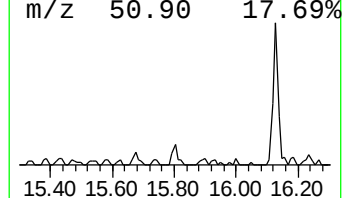
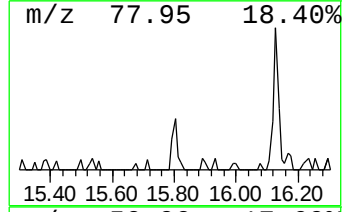
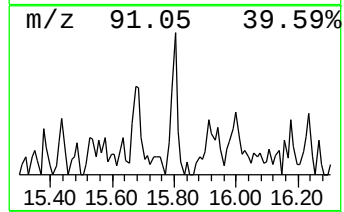
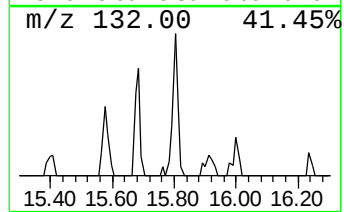
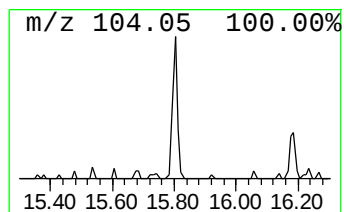
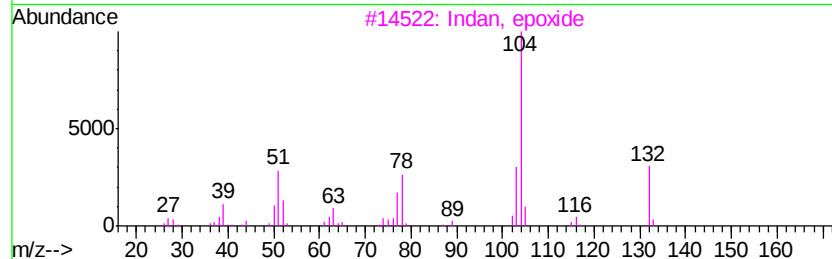
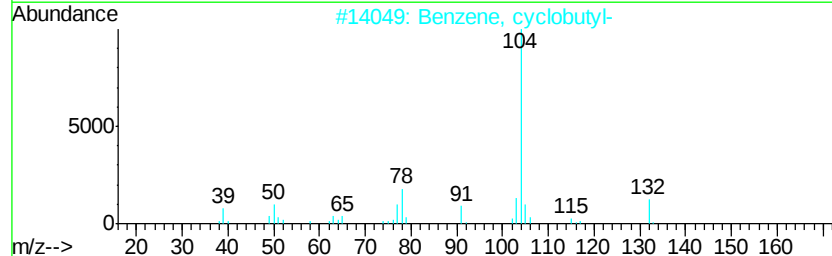
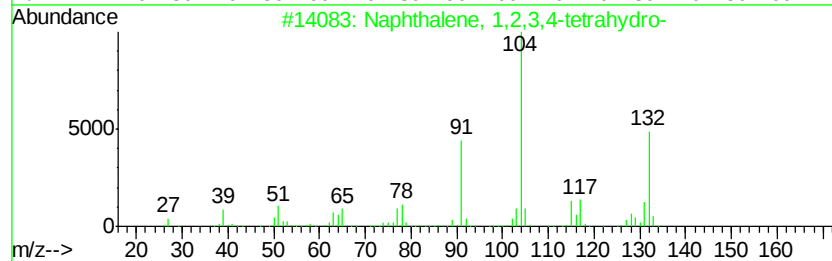
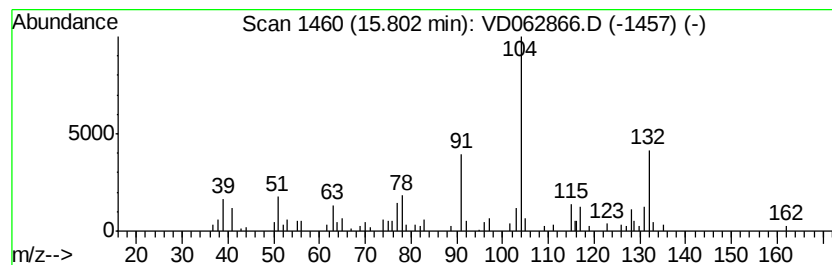
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	19.88 ug/l	106677	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	94
2		Benzene, cyclobutyl-	132	C10H12	004392-30-7	53
3		Indan, epoxide	132	C9H8O	000768-22-9	52
4		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	50
5		Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062866.D
Acq On : 25 Jun 2019 5:43
Operator : VA/AP
Sample : K3164-03
Misc : 5.21a/5ml/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BAT-B05

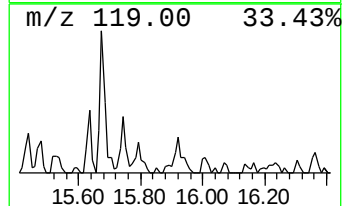
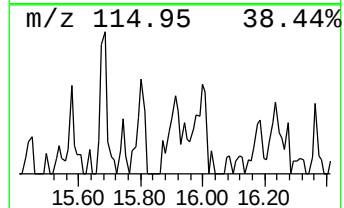
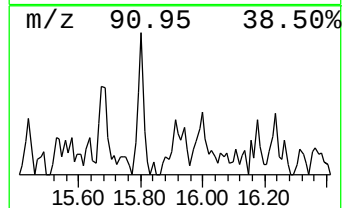
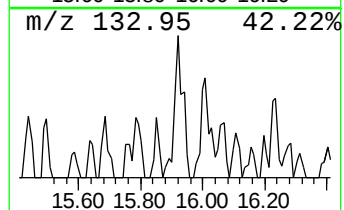
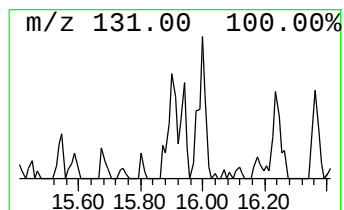
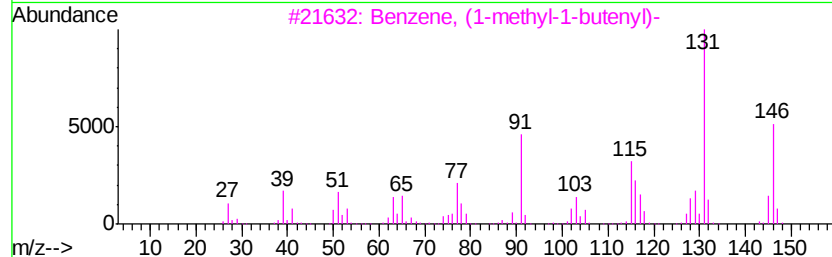
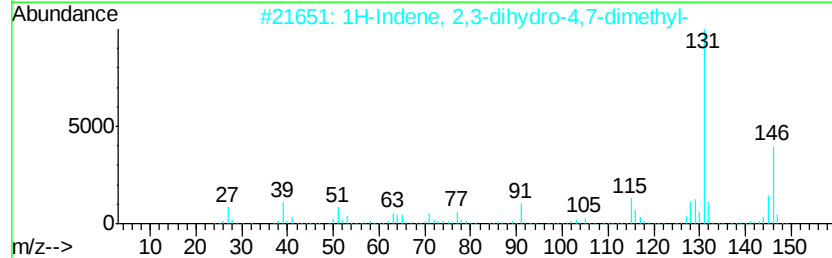
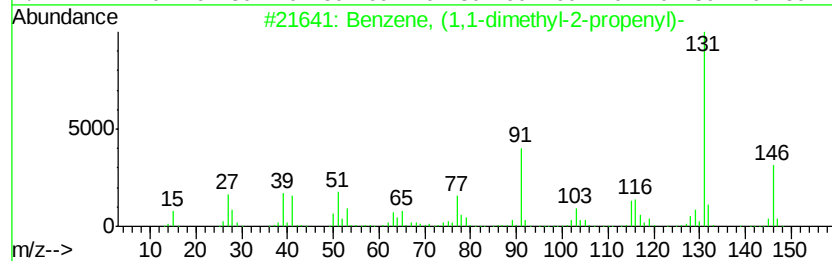
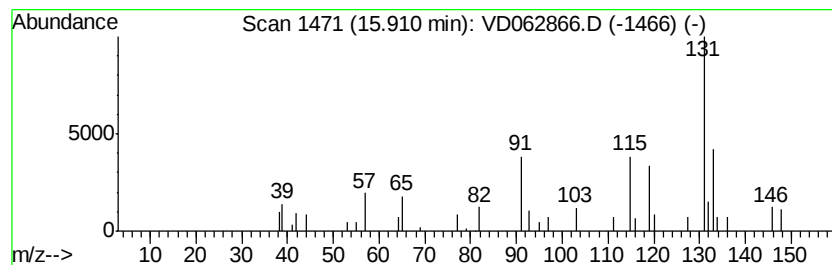
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Quant Title : SW846 8260

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

Peak Number 7 unknown15.91 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	15.40 ug/l	82674	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	43
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	38
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	28
4		1H-Indole, 1-methyl-	131	C9H9N	000603-76-9	27
5		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062866.D
Acq On : 25 Jun 2019 5:43
Operator : VA/AP
Sample : K3164-03
Misc : 5.21g/5ml/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BAT-B05

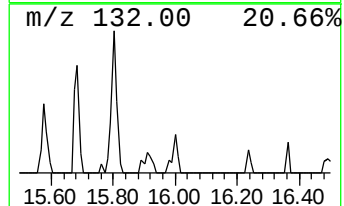
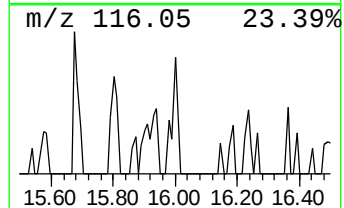
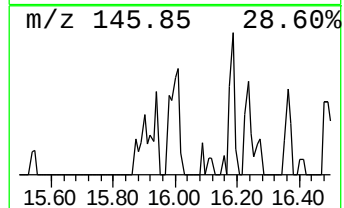
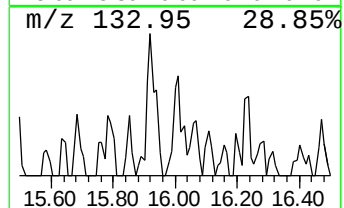
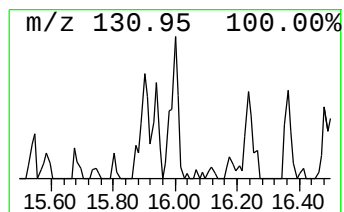
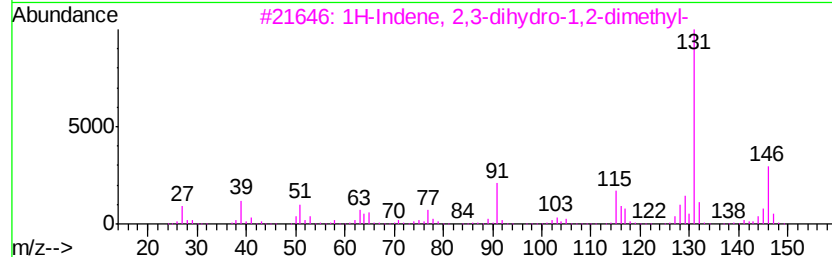
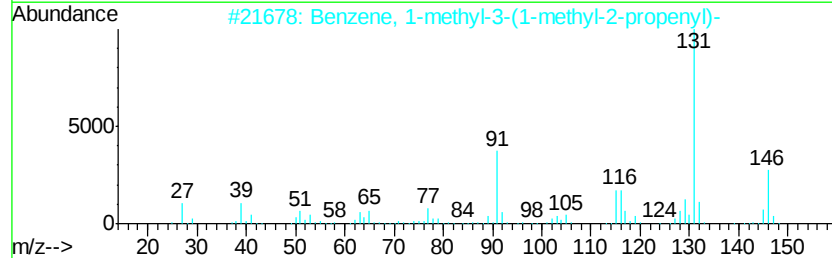
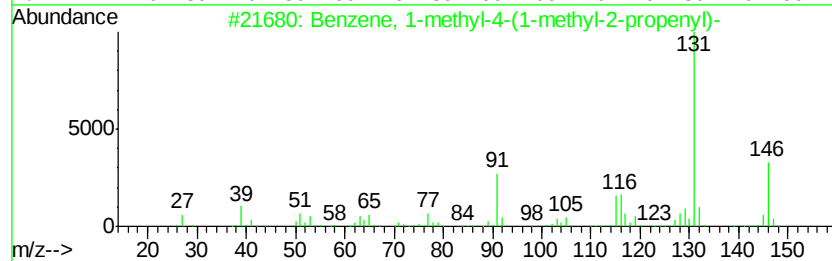
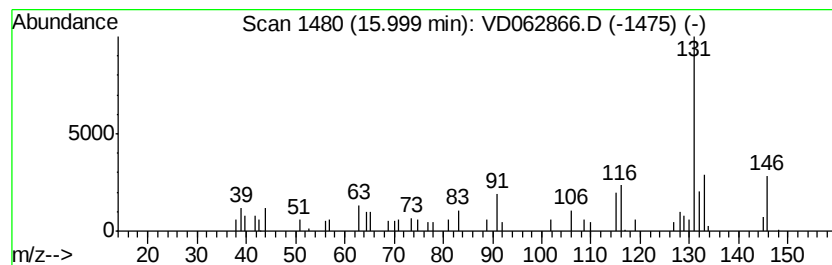
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-methyl-4-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	18.11 ug/l	97189	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	70
2		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	68
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	58
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062866.D
Acq On : 25 Jun 2019 5:43
Operator : VA/AP
Sample : K3164-03
Misc : 5.21a/5ml/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BAT-B05

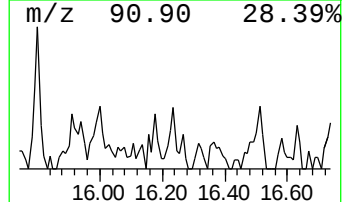
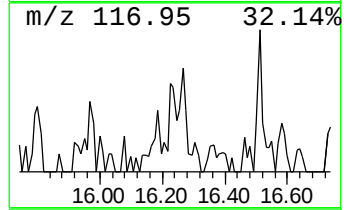
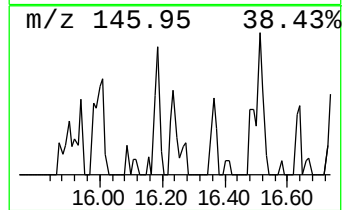
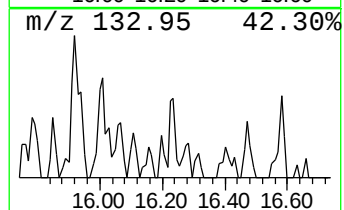
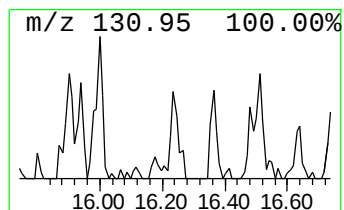
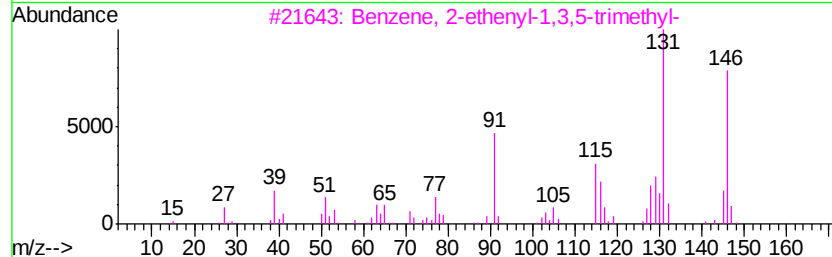
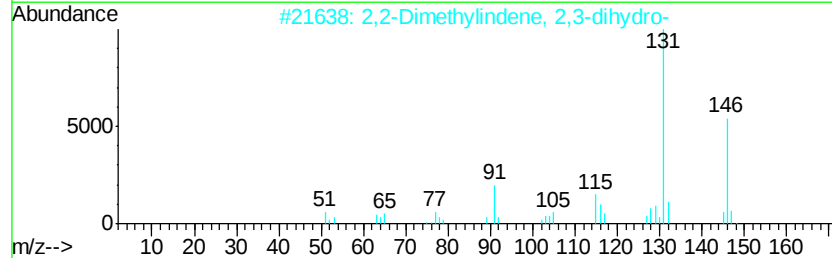
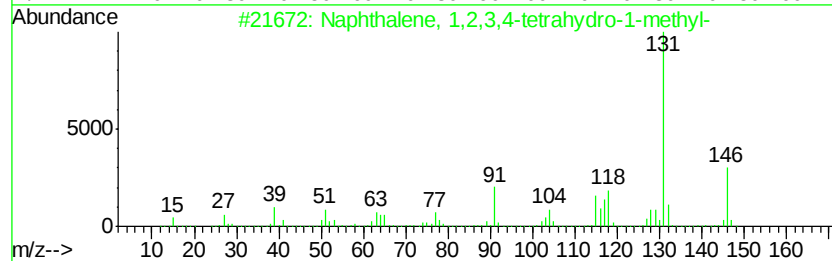
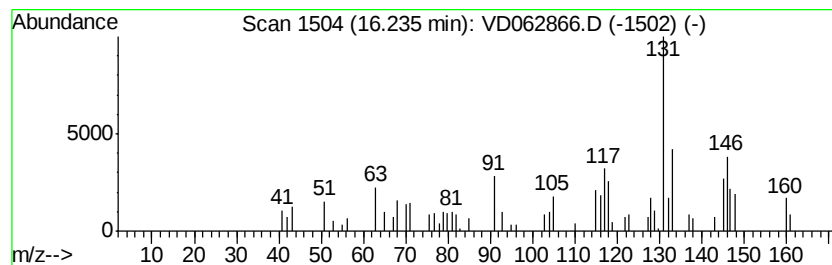
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	12.33 ug/l	66158	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	53
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	43
3		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	43
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	43
5		Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062419\
Data File : VD062866.D
Acq On : 25 Jun 2019 5:43
Operator : VA/AP
Sample : K3164-03
Misc : 5.21a/5ml/MSVOA D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BAT-B05

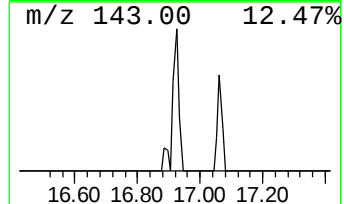
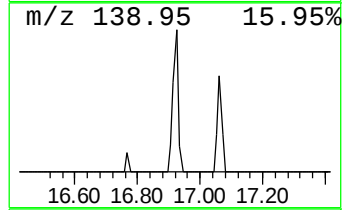
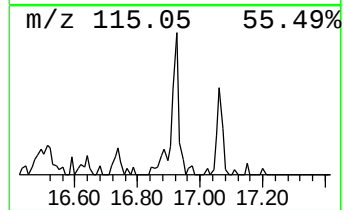
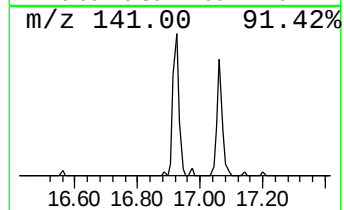
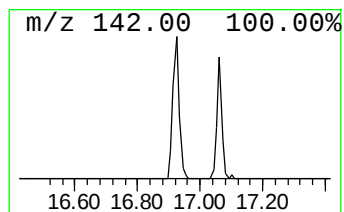
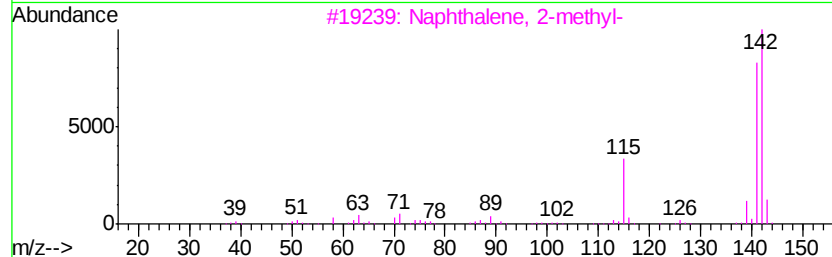
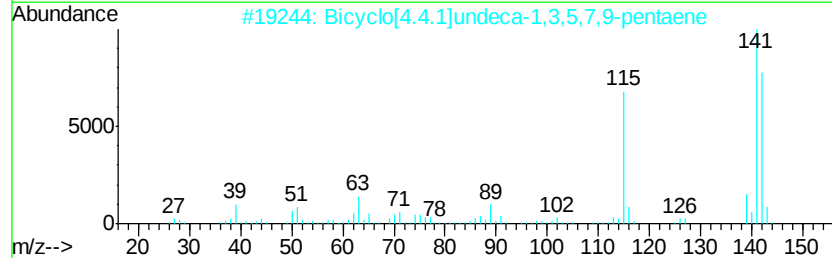
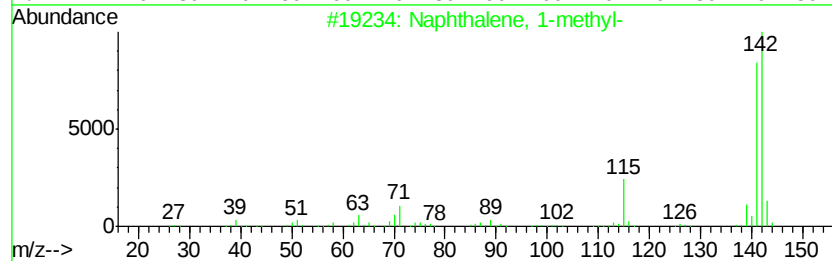
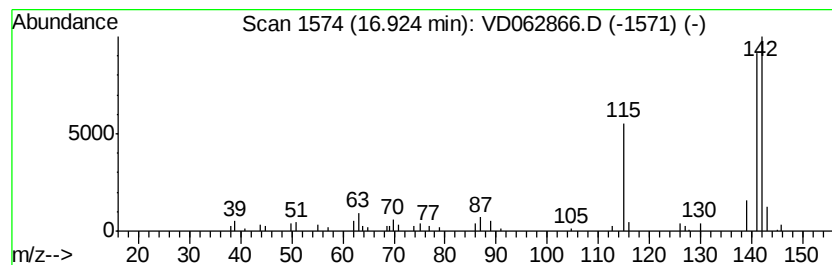
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	16.70 ug/l	89636	1,4-Dichlorobenzene-d4	14.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
4		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87
5		Benzocycloheptatriene	142	C11H10	000264-09-5	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD062419\
Data File : VD062866.D
Acq On : 25 Jun 2019 5:43
Operator : VA/AP
Sample : K3164-03
Misc : 5.21g/5ml/MSVOA_D/SOIL
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BAT-B05

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclopropane, ethyl-	3.88	21.1	ug/l	431814	1	7.06	1023470	50.0
Benzene, 1-propenyl-	14.71	19.6	ug/l	105435	4	14.52	268358	50.0
(E)-1-Phenyl-1-bu...	15.14	15.5	ug/l	83313	4	14.52	268358	50.0
1H-Indene, 2,3-di...	15.67	23.2	ug/l	124564	4	14.52	268358	50.0
Naphthalene, 1,2,...	15.80	19.9	ug/l	106677	4	14.52	268358	50.0
unknown15.91	15.91	15.4	ug/l	82674	4	14.52	268358	50.0
Benzene, 1-methyl...	16.00	18.1	ug/l	97189	4	14.52	268358	50.0
Naphthalene, 1,2,...	16.24	12.3	ug/l	66158	4	14.52	268358	50.0
Naphthalene, 1-me...	16.92	16.7	ug/l	89636	4	14.52	268358	50.0