

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061169.D
 Acq On : 19 Mar 2019 4:06
 Operator : VA/AP
 Sample : K1928-02
 Misc : 6.77g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-MW-7(10.5-11)

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\82D030719S.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	1.702	26	28	35	rVB2	12996	33950	1.13%	0.105%
2	1.850	40	43	50	rVB	45894	79775	2.66%	0.247%
3	2.362	90	95	103	rBV	145809	352920	11.79%	1.094%
4	2.638	119	123	134	rVV	191943	469541	15.68%	1.456%
5	2.795	136	139	146	rVB2	15291	38571	1.29%	0.120%
6	3.189	175	179	187	rBV3	8648	31138	1.04%	0.097%
7	3.849	235	246	261	rVV4	210834	939287	31.37%	2.913%
8	4.232	278	285	302	rBV	101820	367308	12.27%	1.139%
9	4.695	325	332	343	rBV	173603	612257	20.45%	1.899%
10	5.000	357	363	374	rVB4	7697	32063	1.07%	0.099%
11	5.798	437	444	460	rVB	146494	530513	17.72%	1.645%
12	6.920	551	558	565	rBV4	534206	2111286	70.52%	6.548%
13	7.038	565	570	586	rVB	605894	1977567	66.06%	6.133%
14	7.265	586	593	604	rVB	117382	422438	14.11%	1.310%
15	7.442	604	611	622	rBV	289032	797754	26.65%	2.474%
16	7.599	622	627	633	rVV	67947	195001	6.51%	0.605%
17	7.698	633	637	641	rVV3	50282	146663	4.90%	0.455%
18	7.796	641	647	656	rVB2	79926	254774	8.51%	0.790%
19	8.013	661	669	683	rBV	191835	566873	18.93%	1.758%
20	8.210	683	689	702	rBV	908819	2392550	79.92%	7.420%
21	8.849	745	754	761	rBV	331395	1043217	34.85%	3.235%
22	8.997	766	769	779	rVV2	21552	59679	1.99%	0.185%
23	9.145	779	784	794	rVV2	41246	109549	3.66%	0.340%
24	9.292	794	799	805	rVB4	16716	56882	1.90%	0.176%
25	9.509	815	821	826	rBV3	18091	53526	1.79%	0.166%
26	9.775	844	848	852	rBV3	13709	36558	1.22%	0.113%
27	9.893	855	860	863	rBV	78903	195223	6.52%	0.605%
28	10.110	876	882	891	rVB2	69632	208224	6.96%	0.646%
29	10.395	904	911	919	rBV	1277239	2993798	100.00%	9.284%
30	10.612	929	933	935	rBV4	13672	37825	1.26%	0.117%
31	10.769	945	949	957	rVB	118257	278570	9.30%	0.864%
32	10.917	957	964	969	rVB3	29393	74268	2.48%	0.230%
33	11.084	976	981	986	rVB3	14901	41409	1.38%	0.128%
34	11.222	990	995	1003	rVV	32209	101447	3.39%	0.315%

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35	11.478	1016	1021	1026	rBV2	23804	55133	1.84%	0.171%
36	11.626	1032	1036	1038	rBV2	19426	42138	1.41%	0.131%
37	11.734	1043	1047	1052	rVB3	30538	64505	2.15%	0.200%
38	11.822	1052	1056	1061	rBV	25308	63568	2.12%	0.197%
39	12.108	1082	1085	1088	rVV	25669	50164	1.68%	0.156%
40	12.167	1088	1091	1096	rVV2	49431	113621	3.80%	0.352%
41	12.295	1100	1104	1107	rBV	54664	119905	4.01%	0.372%
42	12.354	1107	1110	1118	rVV	1411217	2375459	79.35%	7.367%
43	12.452	1118	1120	1123	rVV2	16073	33333	1.11%	0.103%
44	12.512	1123	1126	1133	rVV	123348	198672	6.64%	0.616%
45	12.649	1135	1140	1146	rVV	205405	457641	15.29%	1.419%
46	12.728	1146	1148	1154	rVB2	80665	133087	4.45%	0.413%
47	13.043	1177	1180	1182	rVV	81183	126926	4.24%	0.394%
48	13.210	1191	1197	1199	rBV	34894	58131	1.94%	0.180%
49	13.299	1203	1206	1210	rVV4	20907	44426	1.48%	0.138%
50	13.398	1212	1216	1220	rVB	34865	54552	1.82%	0.169%
51	13.476	1220	1224	1228	rBV4	12970	30380	1.01%	0.094%
52	13.545	1228	1231	1240	rVV	1210054	1815884	60.65%	5.631%
53	13.703	1244	1247	1251	rVV	77716	130749	4.37%	0.405%
54	13.762	1251	1253	1258	rVV	136297	197416	6.59%	0.612%
55	13.841	1258	1261	1263	rVV	345851	486231	16.24%	1.508%
56	13.870	1263	1264	1267	rVV	197559	202050	6.75%	0.627%
57	13.929	1267	1270	1276	rVB	196873	349577	11.68%	1.084%
58	14.077	1281	1285	1291	rBV	106926	154796	5.17%	0.480%
59	14.175	1291	1295	1298	rVV3	31202	62927	2.10%	0.195%
60	14.224	1298	1300	1304	rVV	332309	480289	16.04%	1.489%
61	14.362	1307	1314	1317	rVV3	83426	184630	6.17%	0.573%
62	14.431	1319	1321	1324	rVV	72726	91473	3.06%	0.284%
63	14.510	1326	1329	1332	rVV	1717538	2206441	73.70%	6.843%
64	14.549	1332	1333	1338	rVV	110454	149730	5.00%	0.464%
65	14.618	1338	1340	1345	rVV3	17856	41753	1.39%	0.129%
66	14.697	1345	1348	1349	rVV	172776	198002	6.61%	0.614%
67	14.727	1349	1351	1353	rVV	315361	359291	12.00%	1.114%
68	14.766	1353	1355	1361	rVV2	468688	744955	24.88%	2.310%
69	14.904	1365	1369	1373	rVV	120947	153990	5.14%	0.478%
70	14.973	1373	1376	1377	rVV	179197	247699	8.27%	0.768%
71	14.992	1377	1378	1381	rVV	185762	220253	7.36%	0.683%

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72	15.051	1381	1384	1386	rVV	302442	399245	13.34%	1.238%
73	15.081	1386	1387	1389	rVV2	36181	57363	1.92%	0.178%
74	15.130	1389	1392	1397	rVV3	104213	183780	6.14%	0.570%
75	15.258	1403	1405	1409	rVV	73390	87675	2.93%	0.272%
76	15.337	1410	1413	1415	rVV	194835	239453	8.00%	0.743%
77	15.366	1415	1416	1419	rVV	219004	267569	8.94%	0.830%
78	15.425	1419	1422	1424	rVV2	61376	94481	3.16%	0.293%
79	15.465	1424	1426	1428	rVV	28284	37357	1.25%	0.116%
80	15.563	1428	1436	1439	rVV4	84886	176351	5.89%	0.547%
81	15.622	1440	1442	1444	rVV	50655	57157	1.91%	0.177%
82	15.662	1444	1446	1451	rVB3	133182	197924	6.61%	0.614%
83	15.731	1451	1453	1456	rBV	36094	36238	1.21%	0.112%
84	15.859	1462	1466	1467	rBV2	21277	30987	1.04%	0.096%
85	15.908	1467	1471	1475	rVV3	54082	164722	5.50%	0.511%
86	15.987	1475	1479	1482	rVB3	43749	73156	2.44%	0.227%

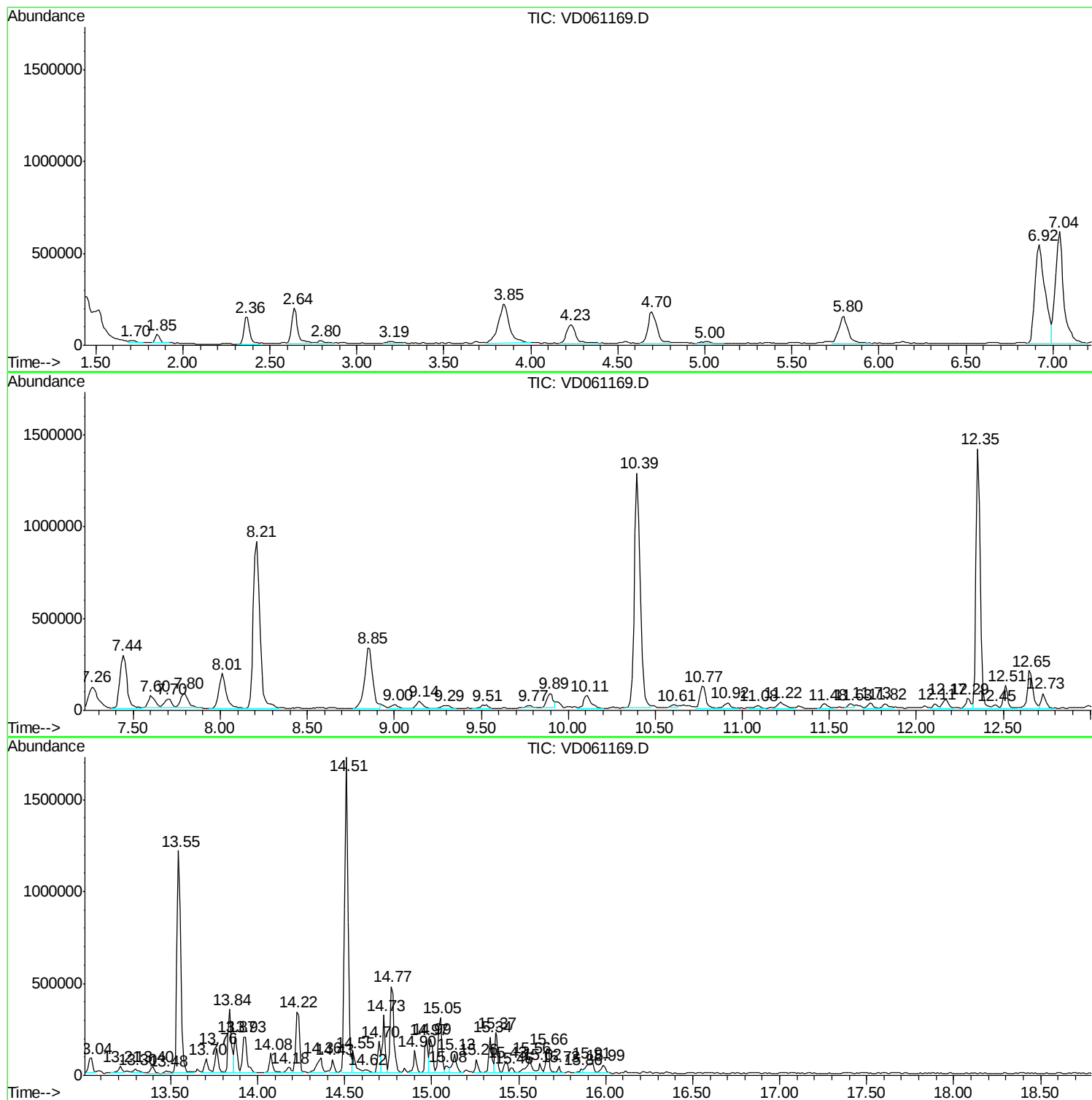
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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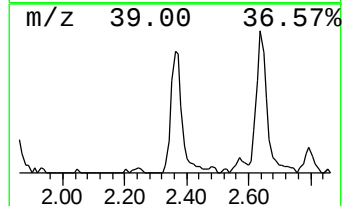
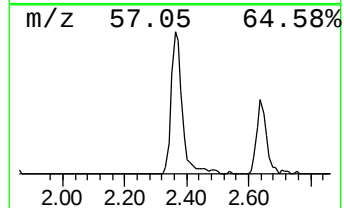
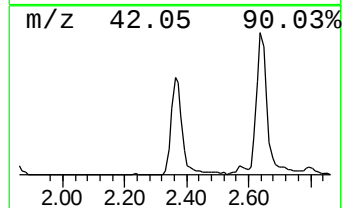
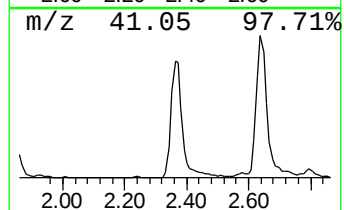
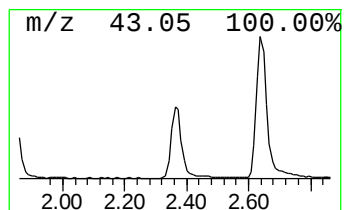
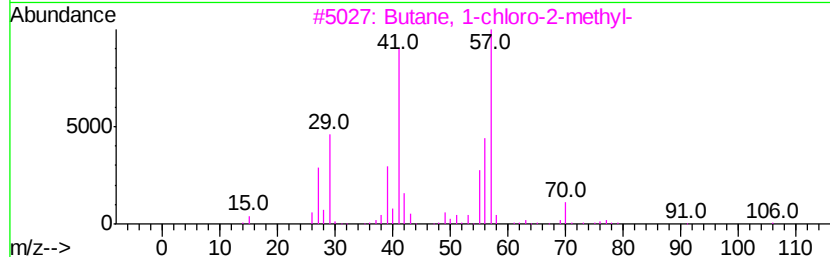
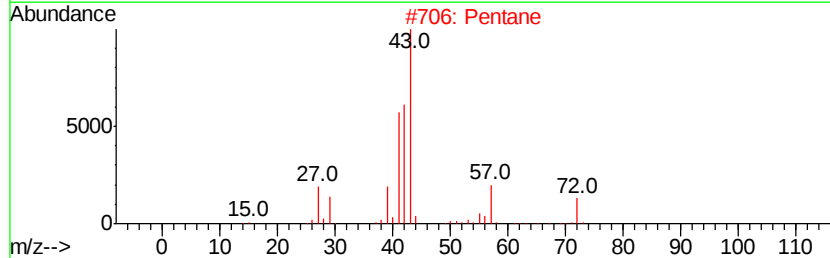
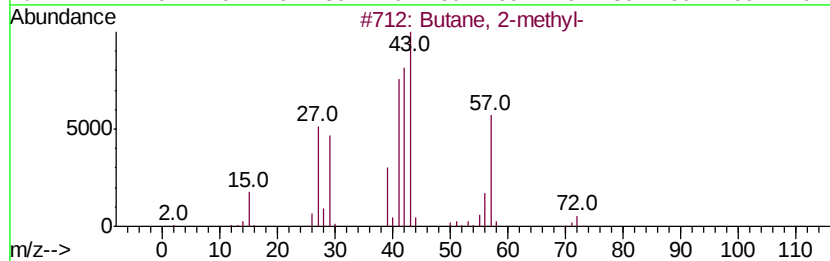
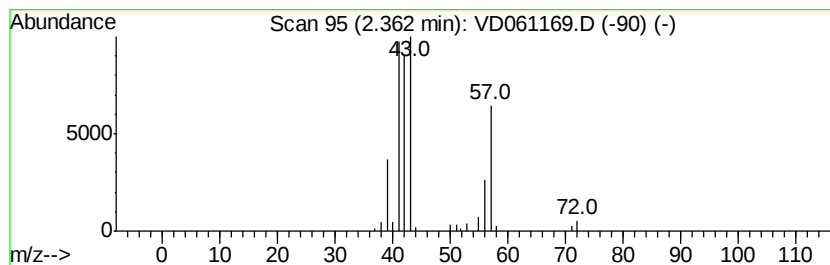
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.36	8.92 ug/l	352920	Pentafluorobenzene	7.04

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methyl-	72	C5H12	000078-78-4	86
2			Pentane	72	C5H12	000109-66-0	33
3			Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	16
4			1-Butene	56	C4H8	000106-98-9	9
5			1-Propene, 2-methyl-	56	C4H8	000115-11-7	9



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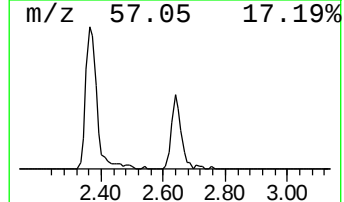
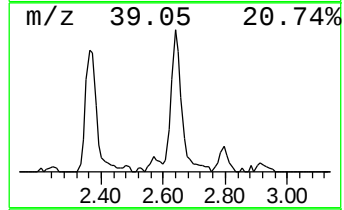
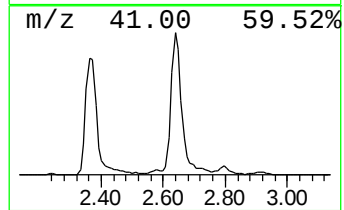
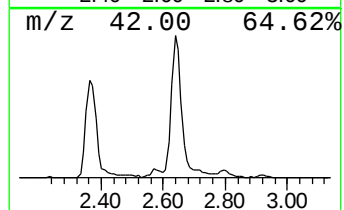
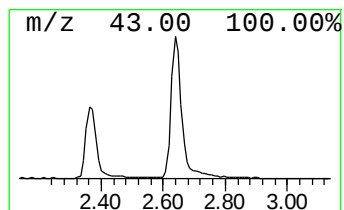
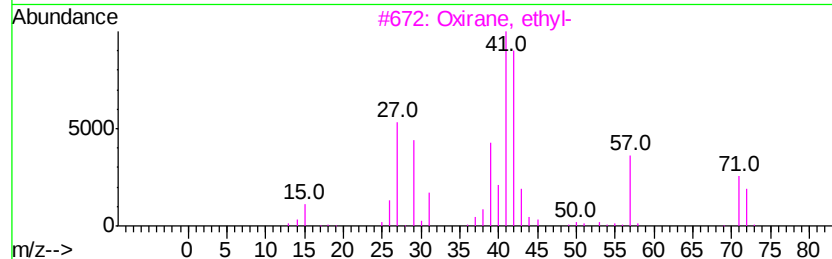
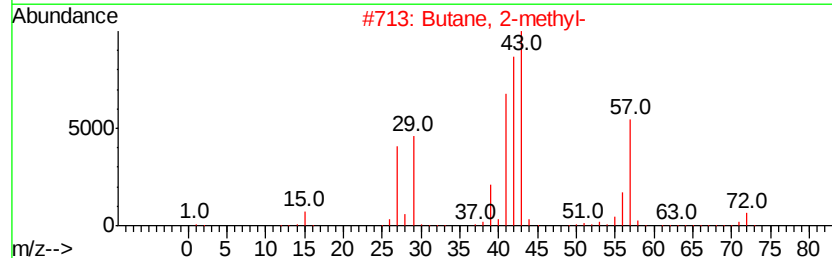
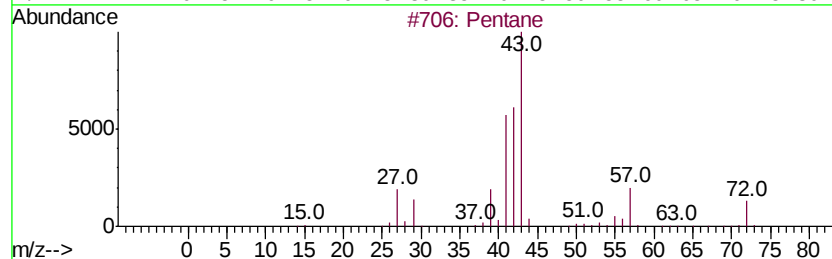
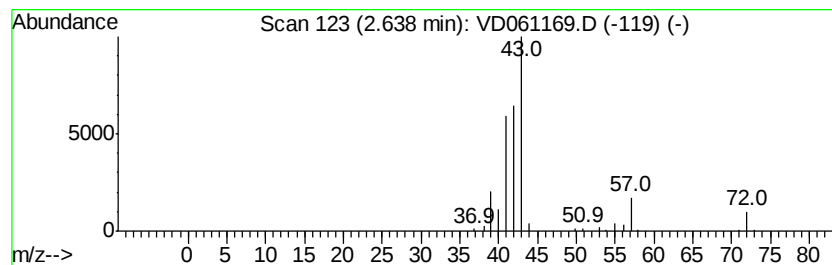
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Pentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.64	11.87 ug/l	469541	Pentafluorobenzene	7.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane	72	C5H12	000109-66-0	91
2		Butane, 2-methyl-	72	C5H12	000078-78-4	64
3		Oxirane, ethyl-	72	C4H8O	000106-88-7	53
4		Cyclobutane, methyl-	70	C5H10	000598-61-8	25
5		2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	25



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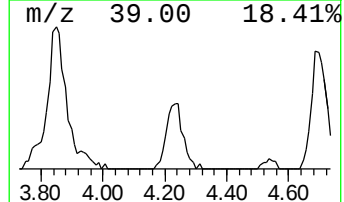
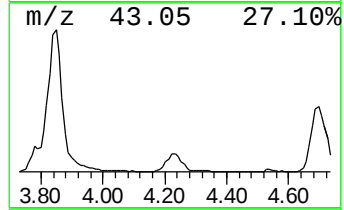
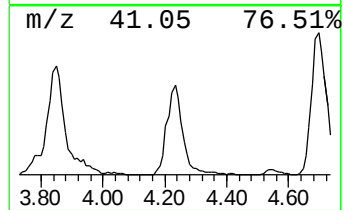
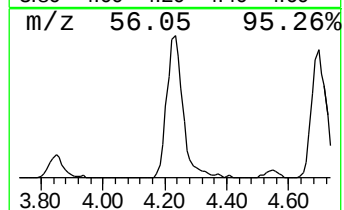
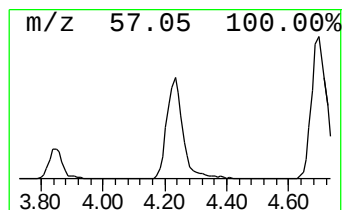
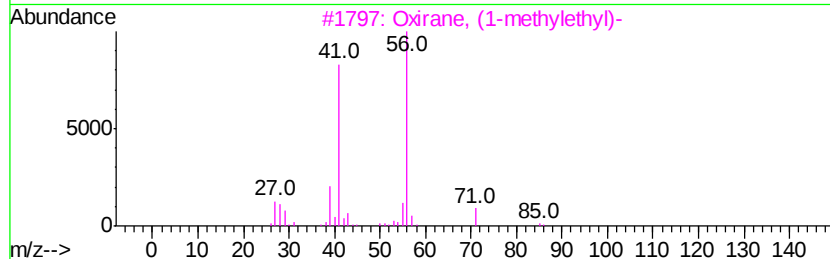
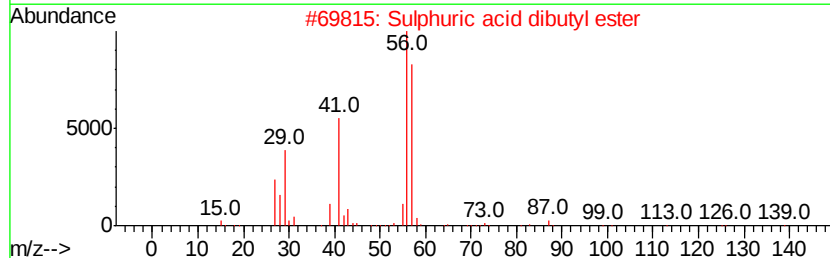
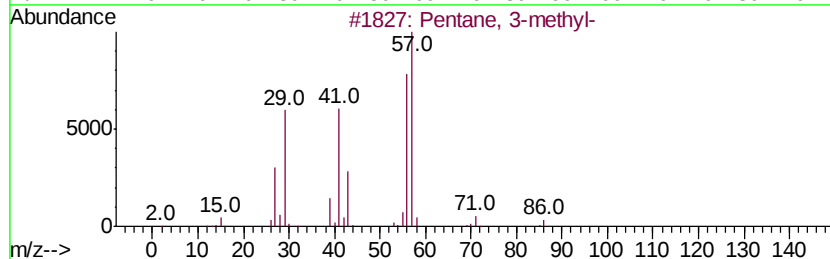
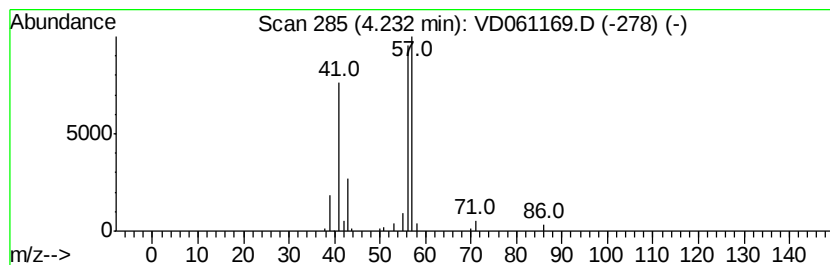
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Quant Title : SW846 8260

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

Peak Number 3 Pentane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.23	9.29 ug/l	367308	Pentafluorobenzene	7.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2		Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	39
3		Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	39
4		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	38
5		Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	38



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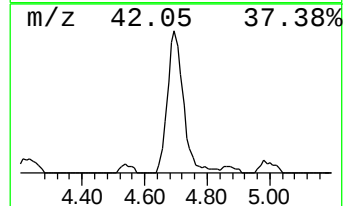
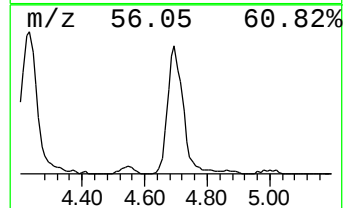
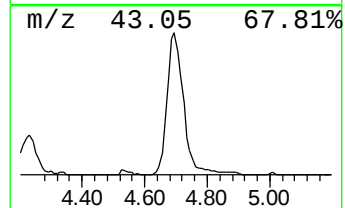
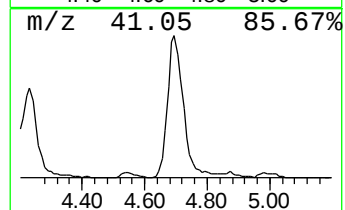
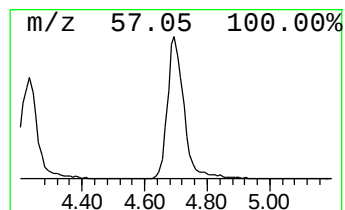
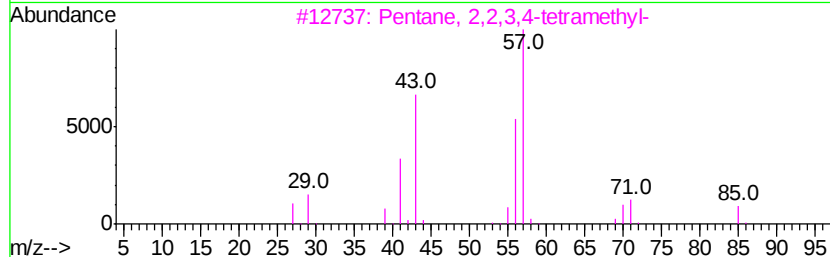
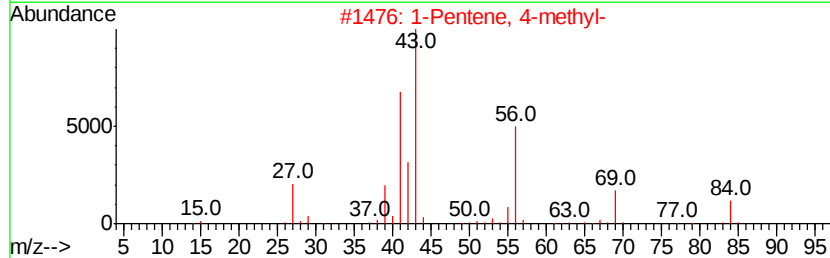
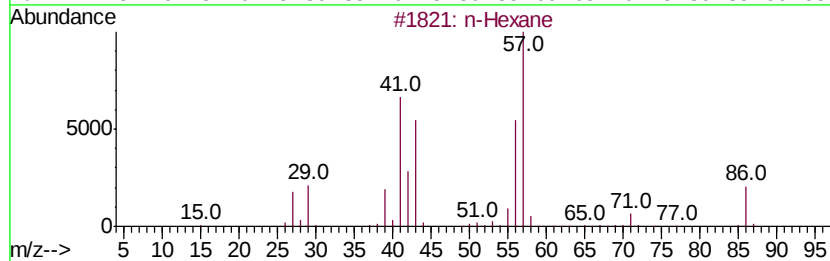
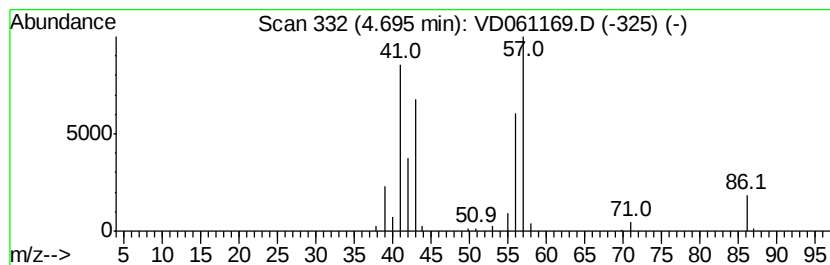
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Quant Title : SW846 8260

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

Peak Number 4 n-Hexane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.70	15.48 ug/l	612257	Pentafluorobenzene	7.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	87
2		1-Pentene, 4-methyl-	84	C6H12	000691-37-2	47
3		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
4		Oxirane, 2-methyl-3-(1-methyleth...	100	C6H12O	001192-31-0	38
5		Butanal, 2-methyl-	86	C5H10O	000096-17-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061169.D
Acq On : 19 Mar 2019 4:06
Operator : VA/AP
Sample : K1928-02
Misc : 6.77g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-MW-7(10.5-11)

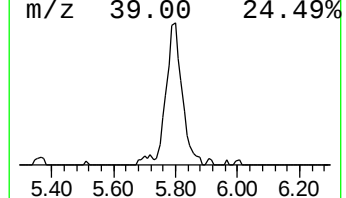
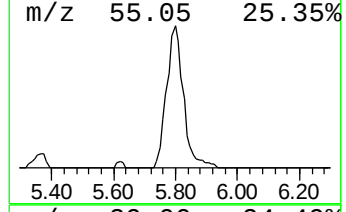
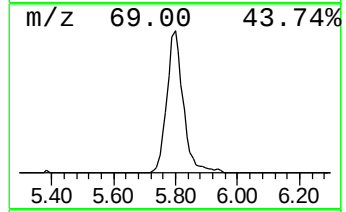
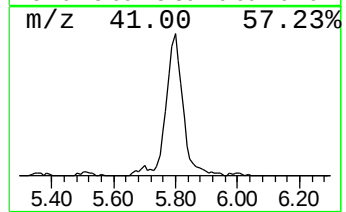
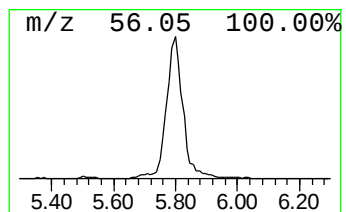
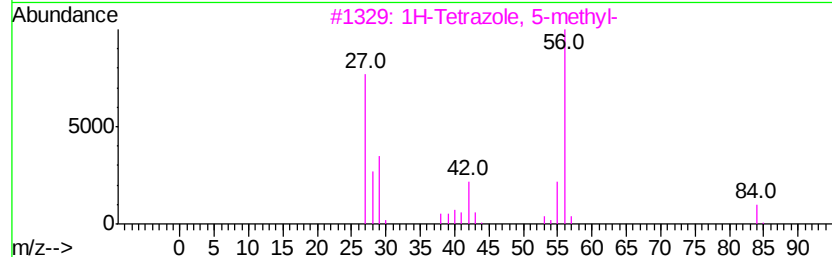
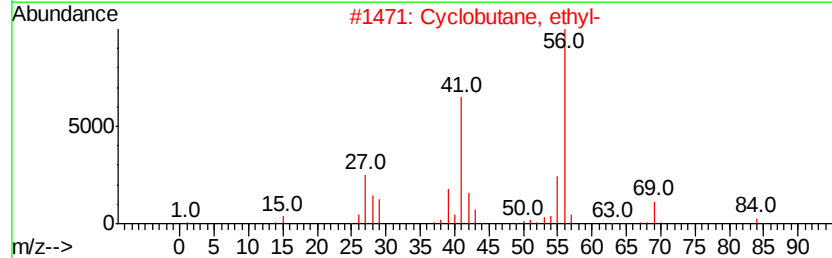
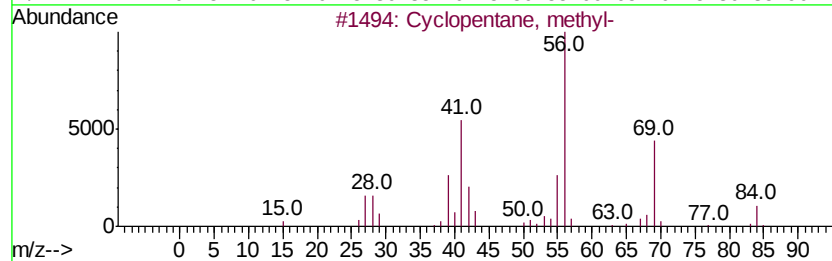
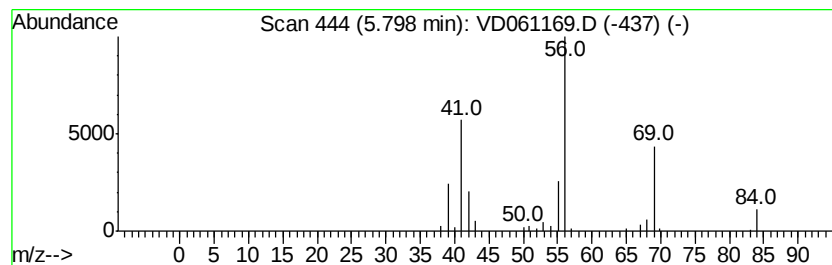
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.80	13.41 ug/l	530513	Pentafluorobenzene	7.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2		Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
3		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4		Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	40
5		1-Pentanol, 3-methyl-	102	C6H14O	000589-35-5	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061169.D
Acq On : 19 Mar 2019 4:06
Operator : VA/AP
Sample : K1928-02
Misc : 6.77a/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-MW-7(10.5-11)

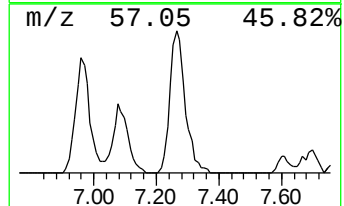
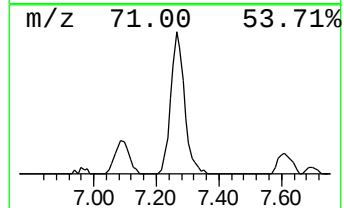
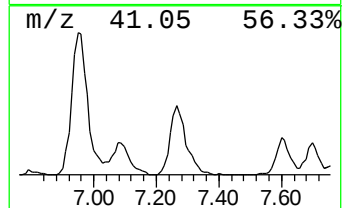
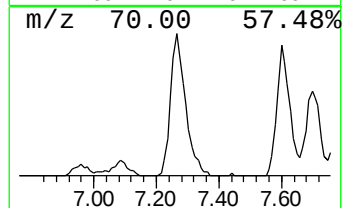
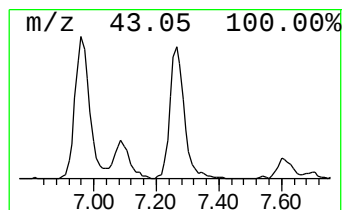
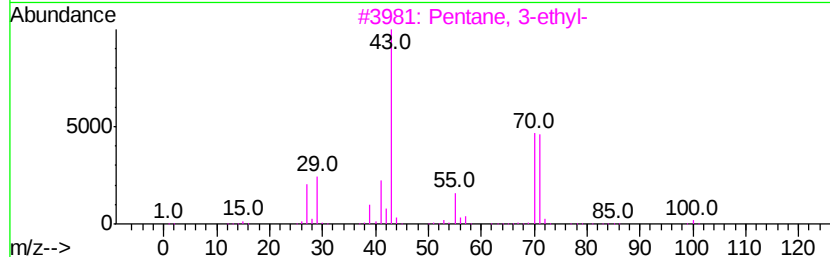
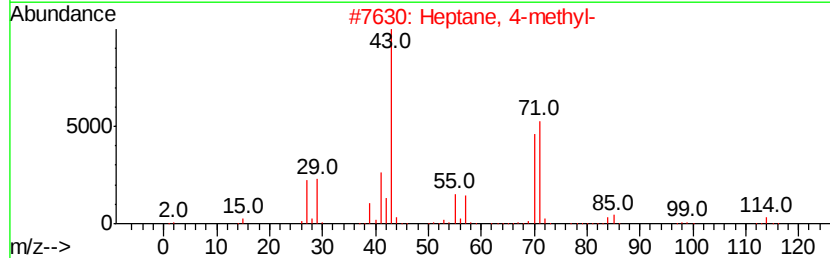
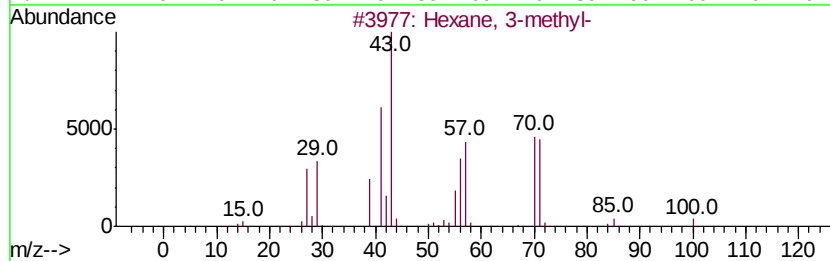
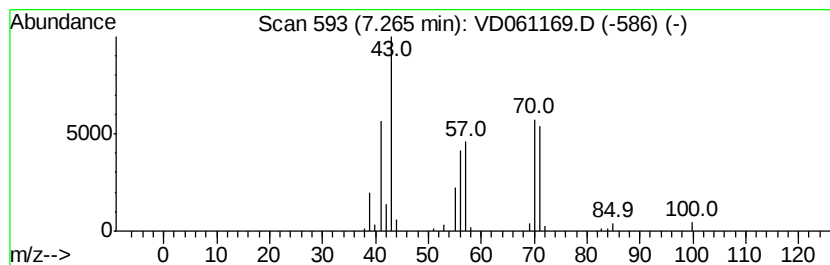
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Quant Title : SW846 8260

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

Peak Number 6 Hexane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	10.68 ug/l	422438	Pentafluorobenzene	7.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	59
3		Pentane, 3-ethyl-	100	C7H16	000617-78-7	53
4		Heptane	100	C7H16	000142-82-5	50
5		Pyrrolidine	71	C4H9N	000123-75-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061169.D
 Acq On : 19 Mar 2019 4:06
 Operator : VA/AP
 Sample : K1928-02
 Misc : 6.77g/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-MW-7(10.5-11)

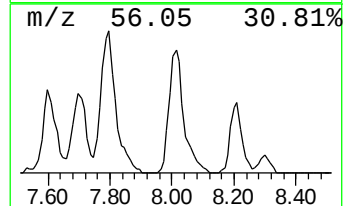
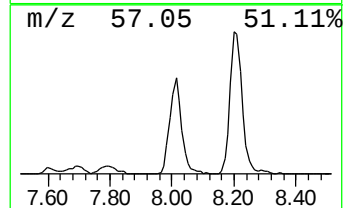
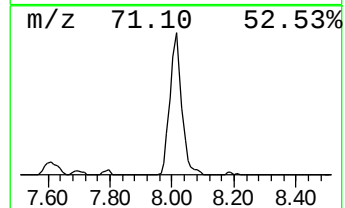
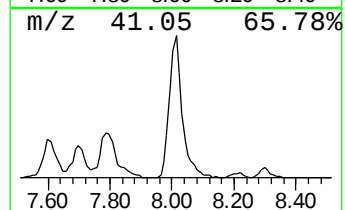
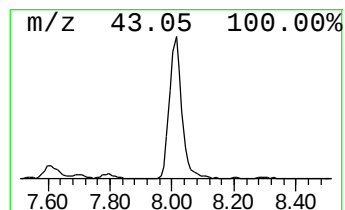
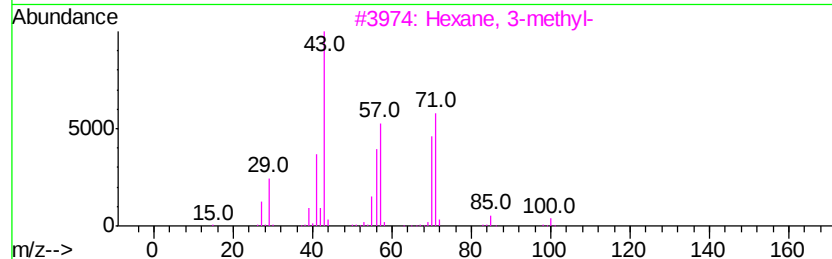
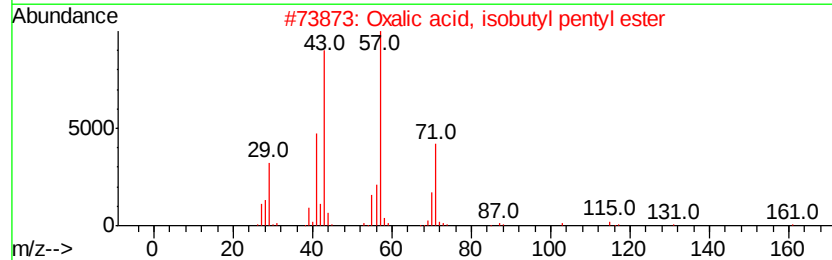
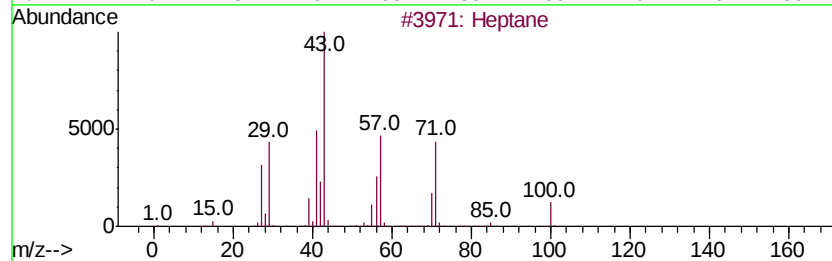
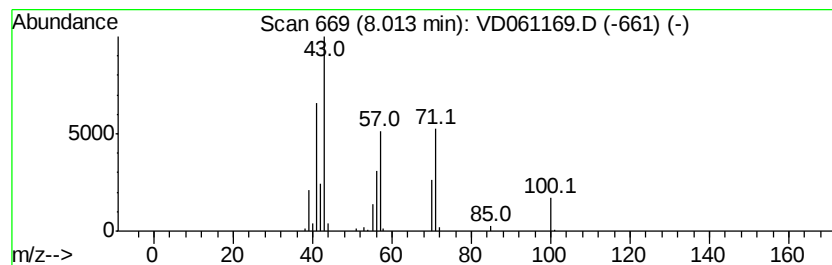
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 Quant Title : SW846 8260

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

 Peak Number 7 Heptane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	11.85 ug/l	566873	1,4-Difluorobenzene	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	90
2		Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	59
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	53
4		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	40
5		1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	36



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061169.D
Acq On : 19 Mar 2019 4:06
Operator : VA/AP
Sample : K1928-02
Misc : 6.77g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-MW-7(10.5-11)

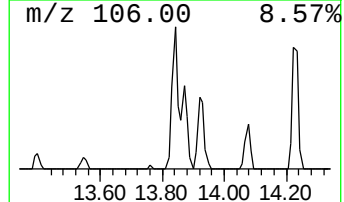
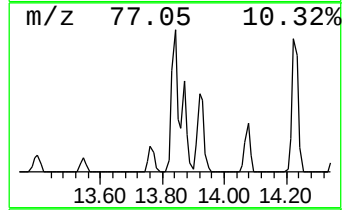
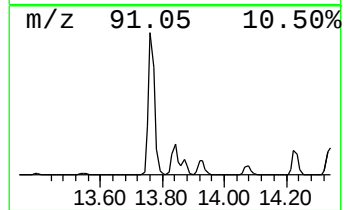
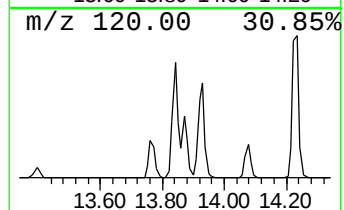
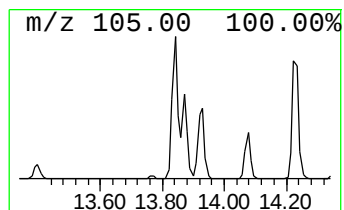
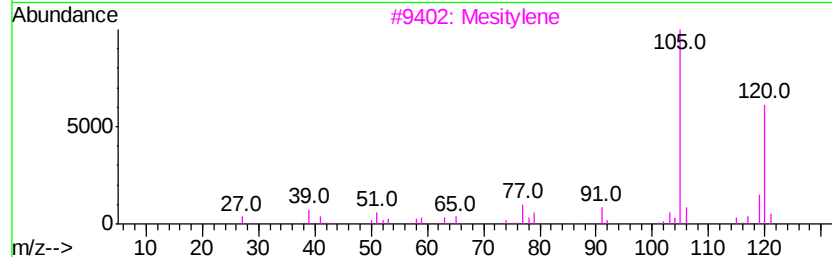
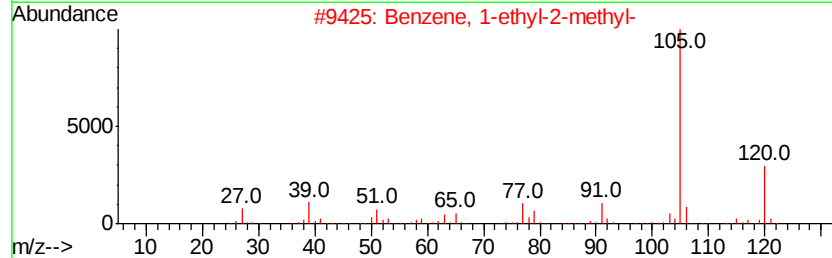
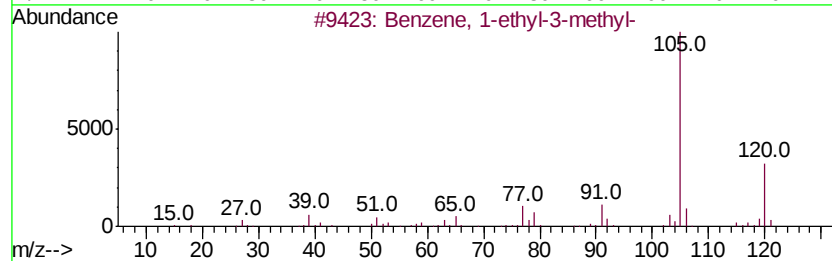
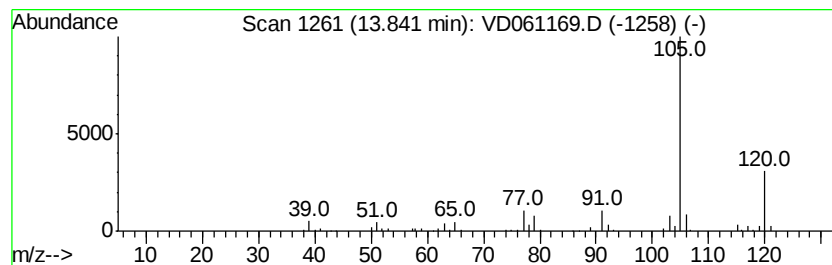
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	11.02 ug/l	486231	1,4-Dichlorobenzene-d4	14.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061169.D
Acq On : 19 Mar 2019 4:06
Operator : VA/AP
Sample : K1928-02
Misc : 6.77g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-MW-7(10.5-11)

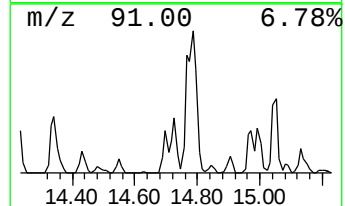
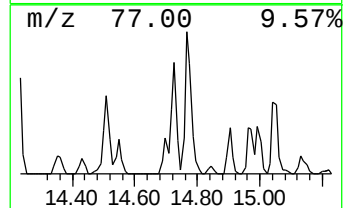
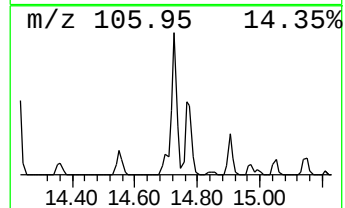
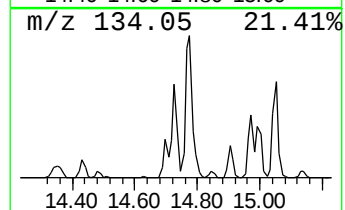
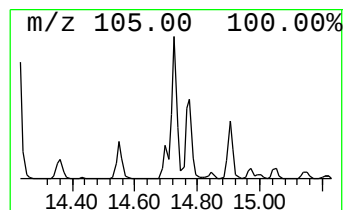
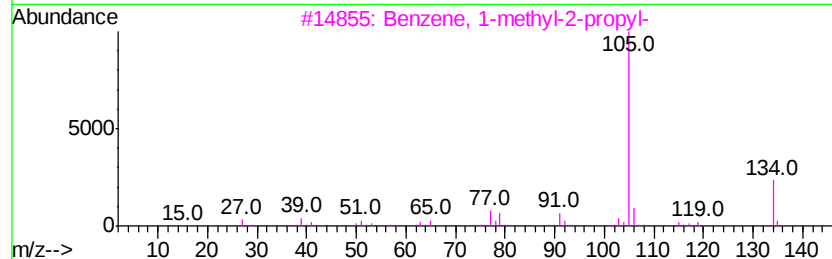
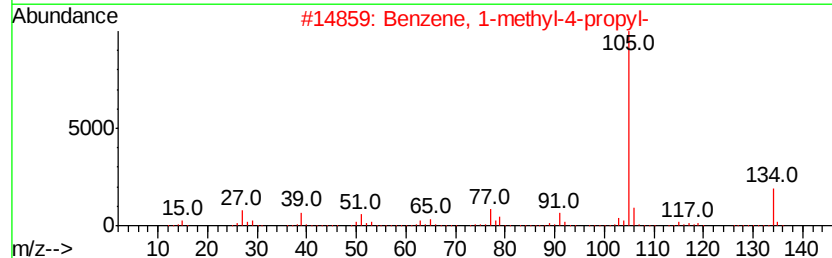
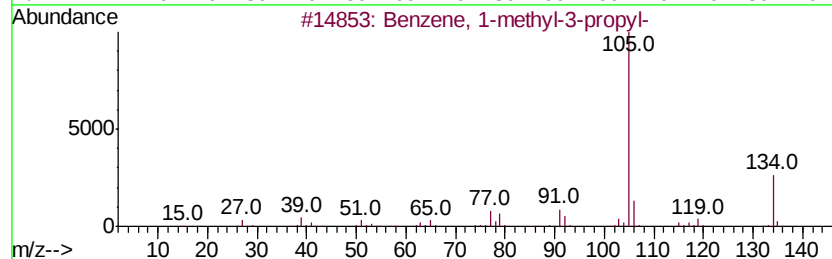
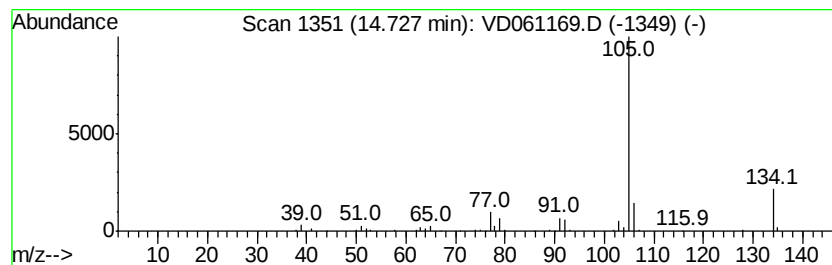
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1-methyl-3-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	8.14 ug/l	359291	1,4-Dichlorobenzene-d4	14.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80
5		2-Indanol	134	C9H10O	004254-29-9	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061169.D
Acq On : 19 Mar 2019 4:06
Operator : VA/AP
Sample : K1928-02
Misc : 6.77g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-MW-7(10.5-11)

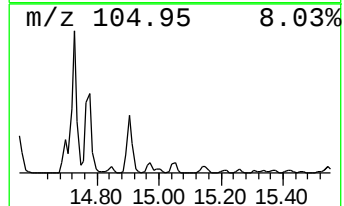
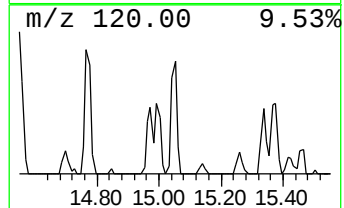
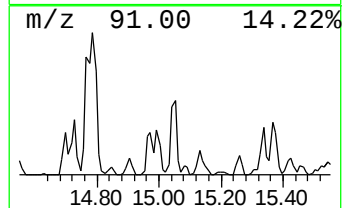
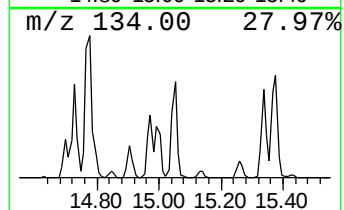
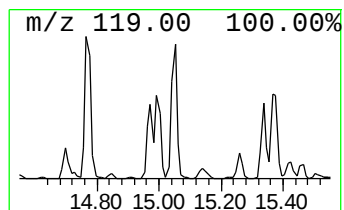
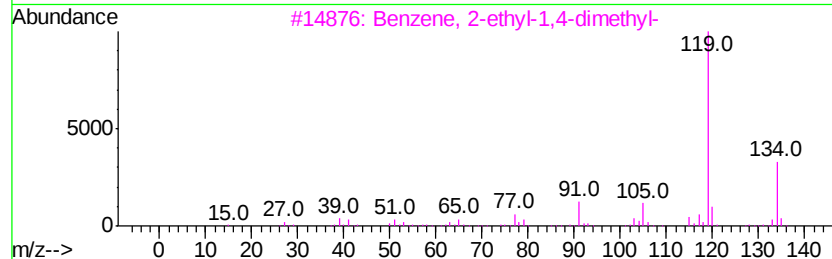
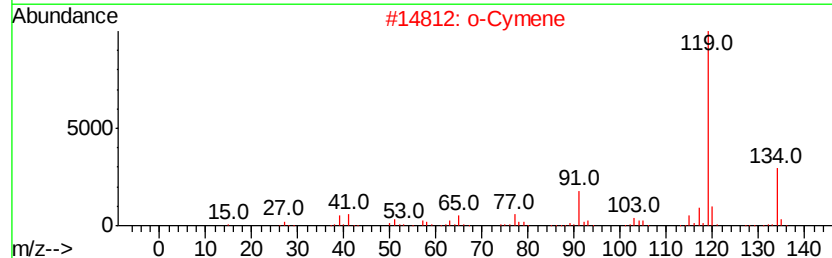
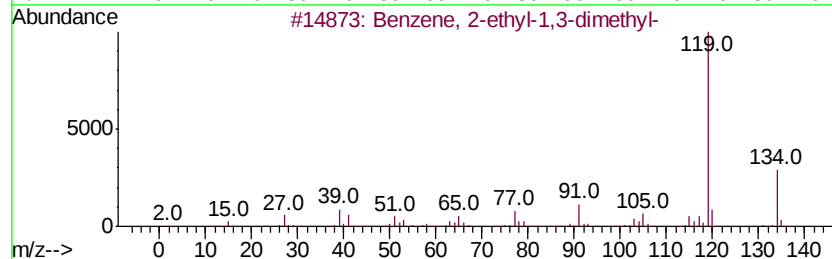
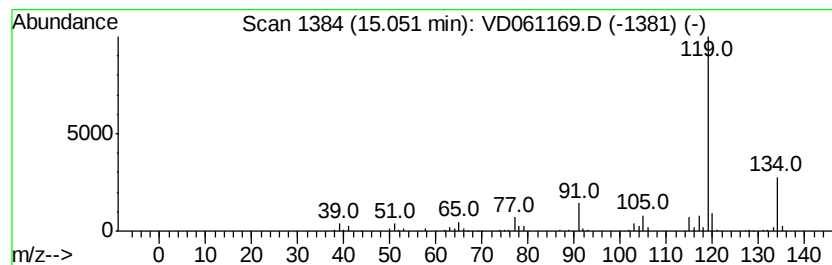
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	9.05 ug/l	399245	1,4-Dichlorobenzene-d4	14.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2		o-Cymene	134	C10H14	000527-84-4	95
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031819\
 Data File : VD061169.D
 Acq On : 19 Mar 2019 4:06
 Operator : VA/AP
 Sample : K1928-02
 Misc : 6.77g/5ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-MW-7(10.5-11)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.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
Butane, 2-methyl-	2.36	8.9	ug/l	352920	1	7.04	1977570	50.0
Pentane	2.64	11.9	ug/l	469541	1	7.04	1977570	50.0
Pentane, 3-methyl-	4.23	9.3	ug/l	367308	1	7.04	1977570	50.0
n-Hexane	4.70	15.5	ug/l	612257	1	7.04	1977570	50.0
Cyclopentane, met...	5.80	13.4	ug/l	530513	1	7.04	1977570	50.0
Hexane, 3-methyl-	7.26	10.7	ug/l	422438	1	7.04	1977570	50.0
Heptane	8.01	11.9	ug/l	566873	2	8.21	2392550	50.0
Benzene, 1-ethyl-...	13.84	11.0	ug/l	486231	4	14.51	2206440	50.0
Benzene, 1-methyl...	14.73	8.1	ug/l	359291	4	14.51	2206440	50.0
Benzene, 2-ethyl-...	15.05	9.1	ug/l	399245	4	14.51	2206440	50.0