

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
 Data File : VW008840.D
 Acq On : 26 Feb 2019 19:31
 Operator : SY/VA
 Sample : K1594-31
 Misc : 6.82G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B-4B(14-15)

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_W\METHOD\82W022119S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.178	40	45	51	rBV	185357	249304	1.00%	0.164%
2	2.355	67	74	81	rBV	769948	1168084	4.70%	0.767%
3	3.031	175	185	198	rBV	4305052	8965686	36.11%	5.883%
4	3.385	235	243	257	rVB	2499146	5804278	23.38%	3.809%
5	3.580	266	275	291	rVB	632079	1429017	5.76%	0.938%
6	3.751	291	303	310	rVV	137152	351297	1.41%	0.231%
7	3.842	310	318	331	rVB	487363	1242059	5.00%	0.815%
8	4.104	348	361	376	rVB4	84626	316077	1.27%	0.207%
9	4.958	479	501	536	rVB5	832530	5642495	22.73%	3.703%
10	5.433	564	579	596	rVB	594734	2017618	8.13%	1.324%
11	5.750	618	631	647	rBV2	215664	706597	2.85%	0.464%
12	5.939	647	662	676	rBV	509645	1524786	6.14%	1.001%
13	6.110	676	690	698	rBV	222081	658601	2.65%	0.432%
14	6.226	698	709	713	rBV2	270185	818238	3.30%	0.537%
15	6.287	713	719	731	rVB	667917	1895478	7.63%	1.244%
16	6.427	731	742	751	rBV2	347787	1052821	4.24%	0.691%
17	6.561	751	764	771	rBV3	120917	472957	1.90%	0.310%
18	6.726	780	791	805	rVB	550006	1583625	6.38%	1.039%
19	6.872	805	815	822	rVV	99032	301281	1.21%	0.198%
20	6.982	822	833	841	rVV	1330143	3926156	15.81%	2.576%
21	7.055	841	845	853	rVV2	190749	453787	1.83%	0.298%
22	7.695	942	950	958	rVB	706331	1695323	6.83%	1.112%
23	7.884	970	981	984	rBV	246155	635316	2.56%	0.417%
24	7.951	984	992	999	rVV3	1071774	3036500	12.23%	1.993%
25	8.030	999	1005	1016	rVB2	365135	1002126	4.04%	0.658%
26	8.152	1016	1025	1032	rBV	312677	703355	2.83%	0.462%
27	8.305	1043	1050	1058	rBV	254216	583184	2.35%	0.383%
28	8.439	1063	1072	1075	rBV5	259402	685481	2.76%	0.450%
29	8.573	1089	1094	1103	rVB3	162795	437087	1.76%	0.287%
30	8.695	1103	1114	1127	rVB3	212631	681951	2.75%	0.448%
31	8.835	1127	1137	1143	rBV3	1306494	3084774	12.42%	2.024%
32	9.116	1178	1183	1199	rVB2	312620	682633	2.75%	0.448%
33	9.335	1202	1219	1225	rBV2	706652	1960271	7.90%	1.286%
34	9.518	1243	1249	1255	rVB	141758	274908	1.11%	0.180%

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Integrator: RTE
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35	9.756	1284	1288	1297	rVB2	202645	395846	1.59%	0.260%
36	9.847	1297	1303	1307	rBV	544037	1008309	4.06%	0.662%
37	9.896	1307	1311	1317	rVB3	347880	699447	2.82%	0.459%
38	10.097	1335	1344	1348	rBV2	112174	254326	1.02%	0.167%
39	10.201	1355	1361	1366	rBV	313100	578917	2.33%	0.380%
40	10.323	1373	1381	1388	rBV	1137493	2119897	8.54%	1.391%
41	10.518	1404	1413	1418	rBV6	203738	458706	1.85%	0.301%
42	10.743	1444	1450	1460	rVB4	207837	513613	2.07%	0.337%
43	11.633	1588	1596	1602	rBV	941298	1603032	6.46%	1.052%
44	11.731	1602	1612	1621	rVV	8107476	12541340	50.51%	8.230%
45	11.841	1621	1630	1640	rVB	14005337	24828812	100.00%	16.293%
46	12.164	1673	1683	1692	rBV	164959	347460	1.40%	0.228%
47	12.463	1726	1732	1738	rBV	718899	1153039	4.64%	0.757%
48	12.621	1751	1758	1767	rVB	789757	1385840	5.58%	0.909%
49	12.804	1781	1788	1794	rBV	2008430	3007494	12.11%	1.974%
50	12.902	1794	1804	1807	rVV	2759954	4238716	17.07%	2.781%
51	12.944	1807	1811	1818	rVB	3018938	4589755	18.49%	3.012%
52	13.103	1829	1837	1845	rBV	1012555	1642611	6.62%	1.078%
53	13.255	1854	1862	1868	rBV	7931585	11945508	48.11%	7.839%
54	13.383	1874	1883	1889	rBV2	99760	264505	1.07%	0.174%
55	13.590	1906	1917	1932	rVB2	3287735	6708727	27.02%	4.402%
56	13.725	1932	1939	1941	rBV	377975	639669	2.58%	0.420%
57	13.761	1941	1945	1949	rBV	2037196	3083476	12.42%	2.023%
58	13.950	1970	1976	1981	rBV	275688	427133	1.72%	0.280%
59	14.011	1981	1986	1989	rVV	428389	687175	2.77%	0.451%
60	14.042	1989	1991	1995	rVV	259114	357226	1.44%	0.234%
61	14.103	1995	2001	2006	rVV	948345	1471815	5.93%	0.966%
62	14.164	2006	2011	2014	rVV	179000	279842	1.13%	0.184%
63	14.212	2014	2019	2026	rVB2	707161	1141857	4.60%	0.749%
64	14.340	2035	2040	2046	rBV	230610	357394	1.44%	0.235%
65	14.420	2046	2053	2057	rBV	530263	879141	3.54%	0.577%
66	14.462	2057	2060	2064	rVB	552939	742158	2.99%	0.487%
67	14.694	2093	2098	2103	rBV	559117	883445	3.56%	0.580%
68	14.810	2109	2117	2123	rBV2	1021086	1987620	8.01%	1.304%
69	15.072	2150	2160	2163	rBV3	136661	312504	1.26%	0.205%
70	15.182	2171	2178	2185	rVB3	118194	277719	1.12%	0.182%
71	15.371	2201	2209	2217	rVB	1027382	1772986	7.14%	1.163%

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Integration Parameters: RTEINT.P

Integrator: RTE
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72	16.450	2378	2386	2397	rVB	240032	498180	2.01%	0.327%
73	16.651	2411	2419	2429	rVB	120298	261283	1.05%	0.171%

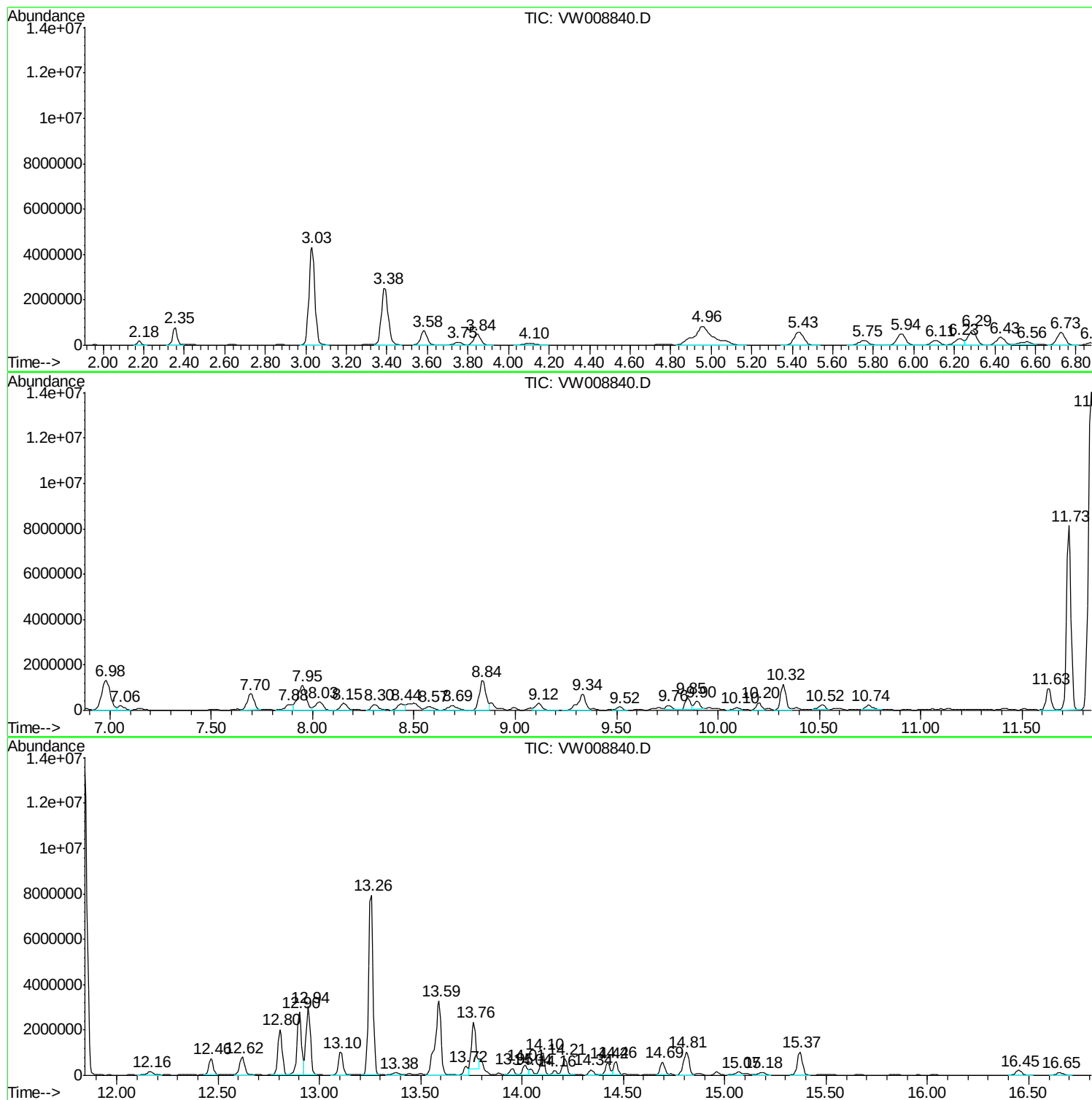
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
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Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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



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Instrument :
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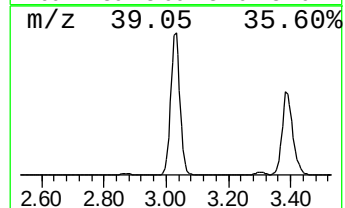
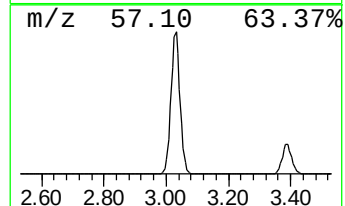
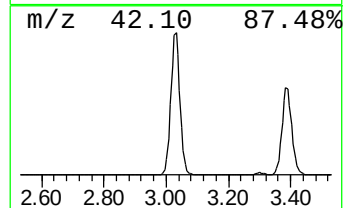
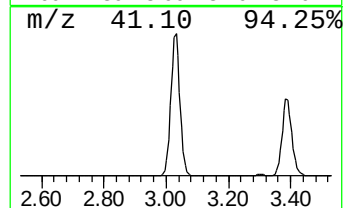
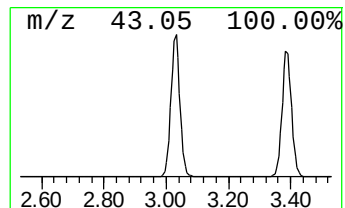
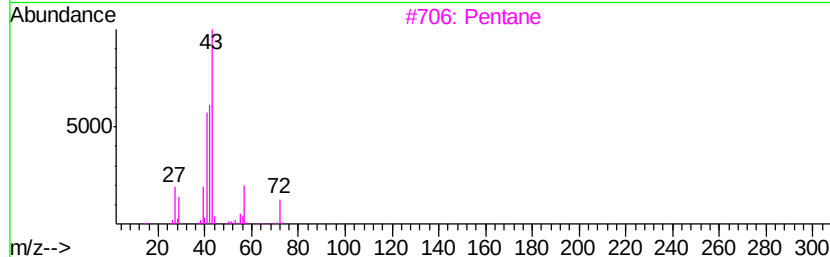
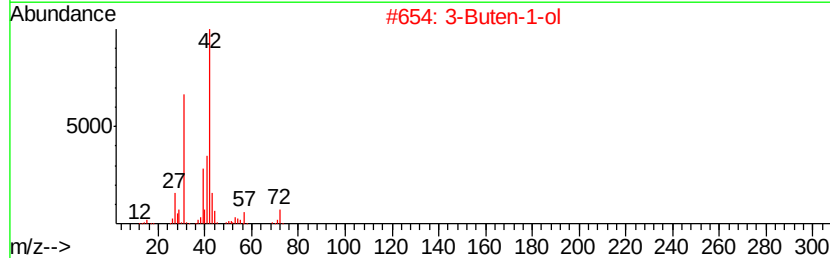
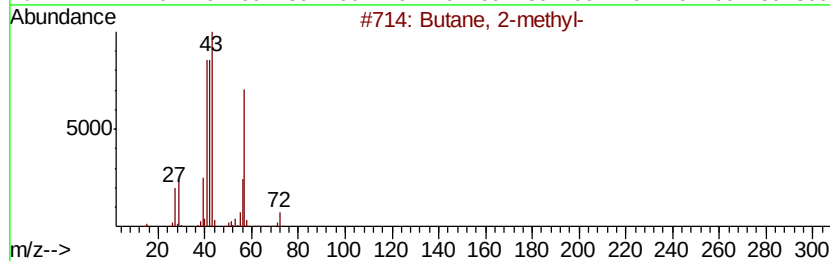
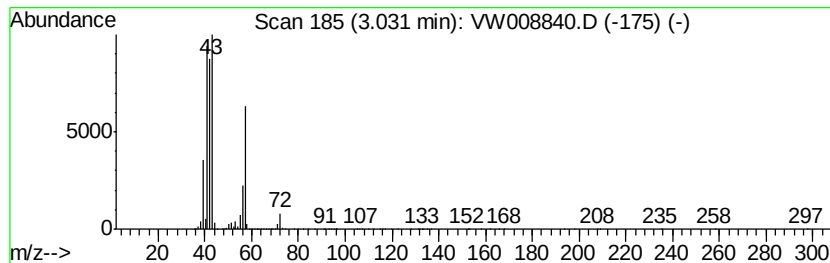
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	147.63 ug/l	8965690	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2		3-Buten-1-ol	72	C4H8O	000627-27-0	47
3		Pentane	72	C5H12	000109-66-0	36
4		Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	30
5		Azetidine	57	C3H7N	000503-29-7	9



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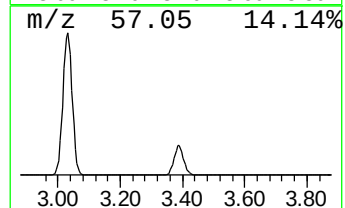
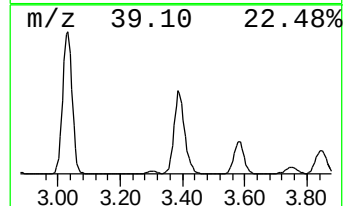
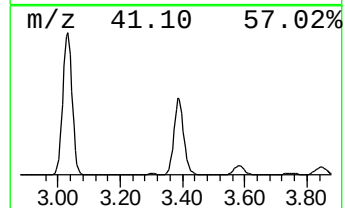
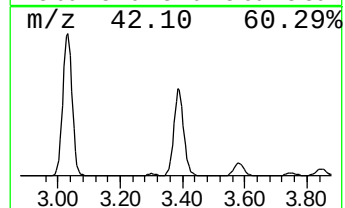
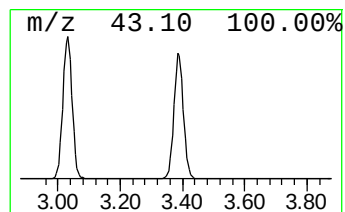
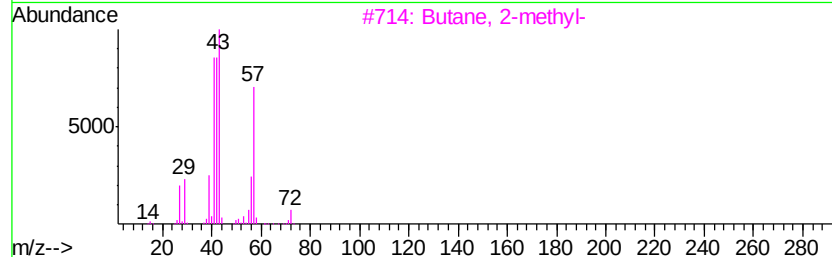
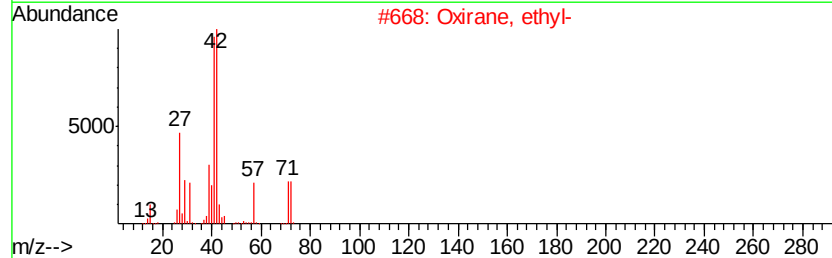
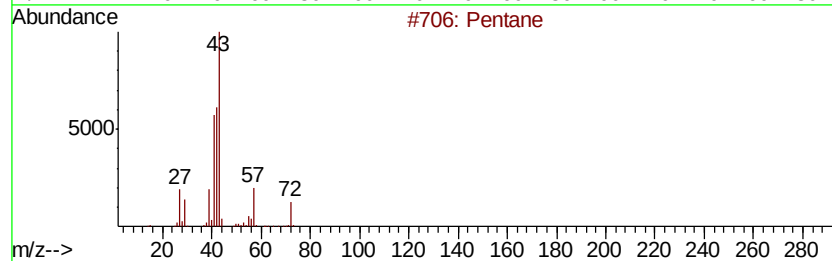
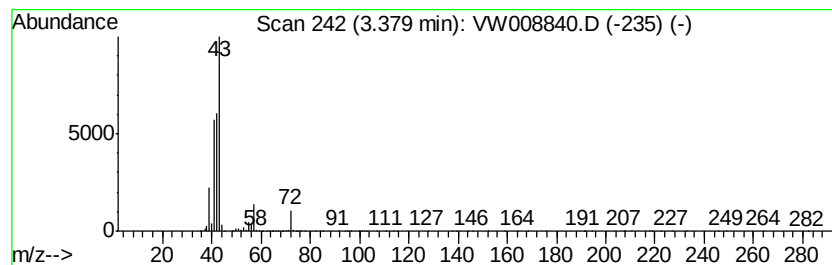
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.38	95.58 ug/l	5804280	Pentafluorobenzene	7.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane		72	C5H12	000109-66-0	91
2	Oxirane, ethyl-		72	C4H8O	000106-88-7	50
3	Butane, 2-methyl-		72	C5H12	000078-78-4	39
4	Butanenitrile, 3-methyl-		83	C5H9N	000625-28-5	9
5	Isobutyl nitrite		103	C4H9NO2	000542-56-3	9



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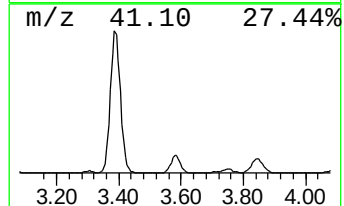
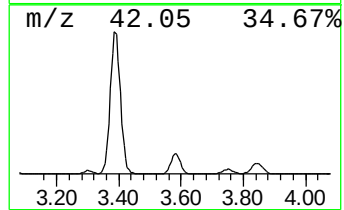
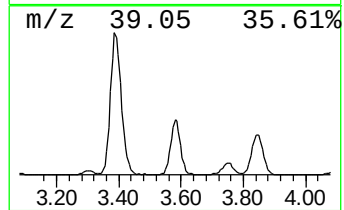
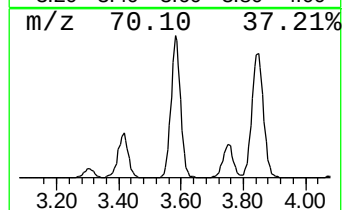
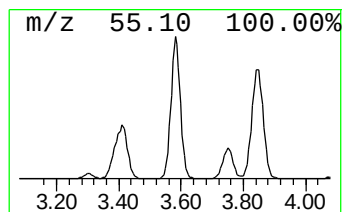
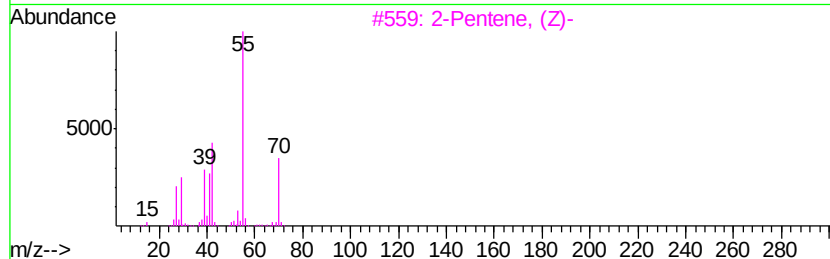
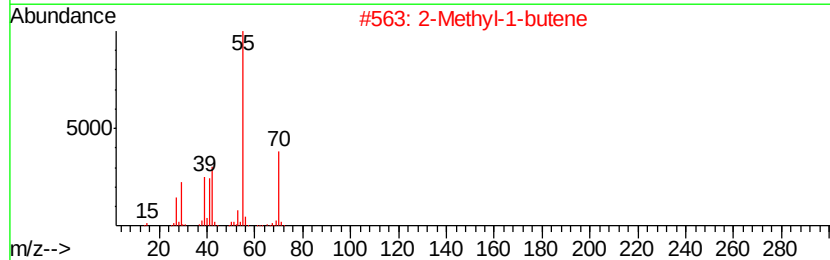
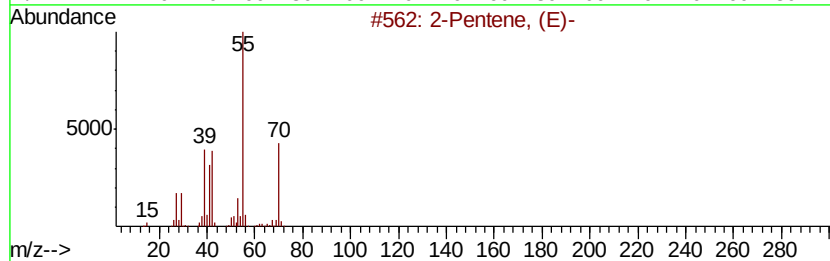
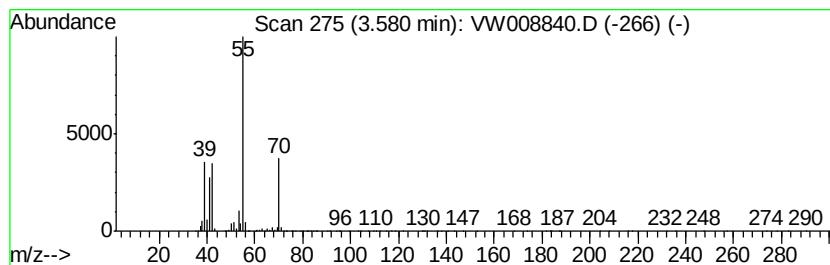
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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

Peak Number 3 2-Pentene, (E)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.58	23.53 ug/l	1429020	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentene, (E)-	70	C5H10	000646-04-8	94
2		2-Methyl-1-butene	70	C5H10	000563-46-2	91
3		2-Pentene, (Z)-	70	C5H10	000627-20-3	90
4		Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
5		2-Butene, 2-methyl-	70	C5H10	000513-35-9	86



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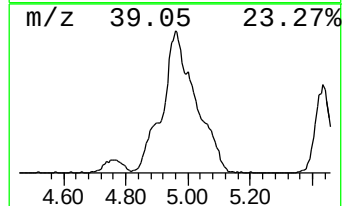
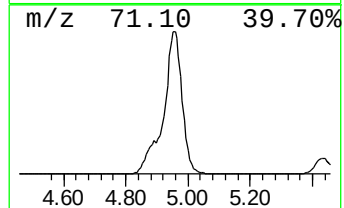
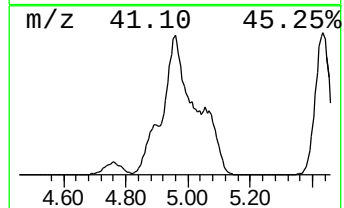
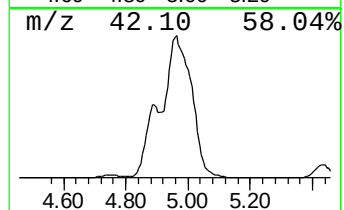
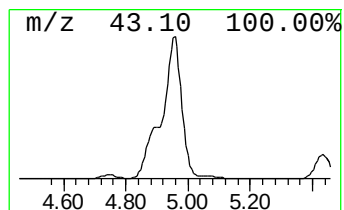
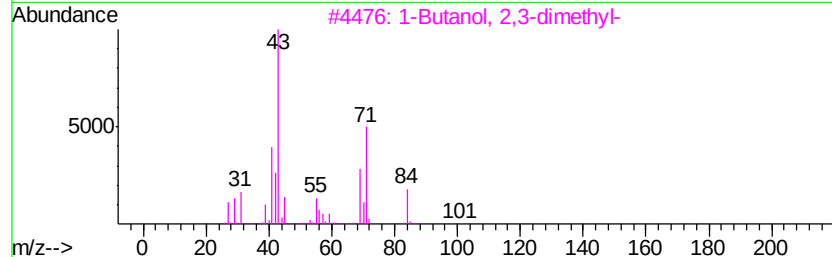
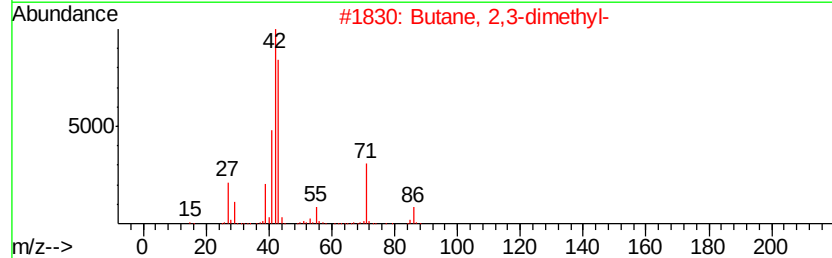
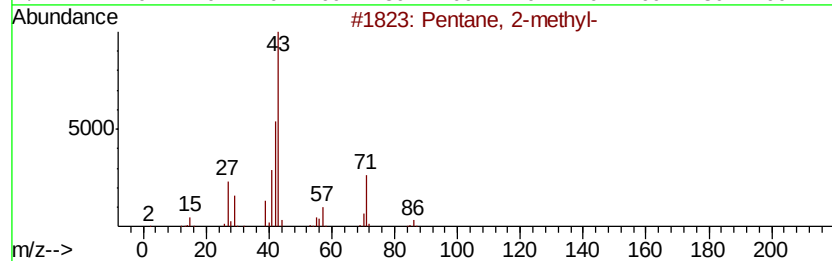
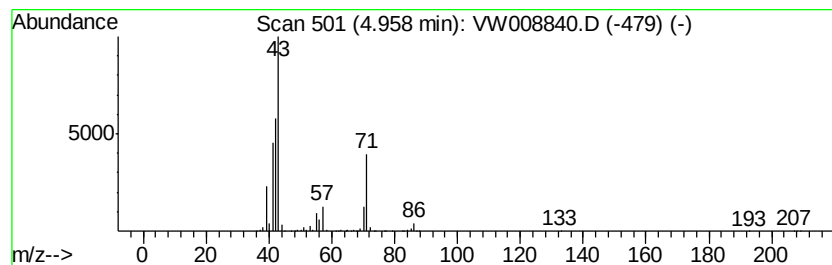
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Quant Title : SW846 8260

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

Peak Number 4 Pentane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	92.91 ug/l	5642500	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
3		1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
4		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38
5		Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008840.D
Acq On : 26 Feb 2019 19:31
Operator : SY/VA
Sample : K1594-31
Misc : 6.82G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

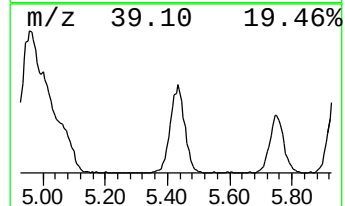
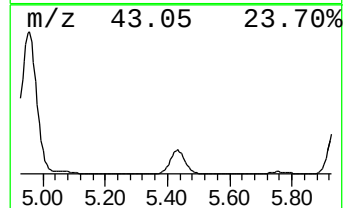
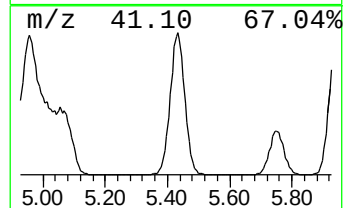
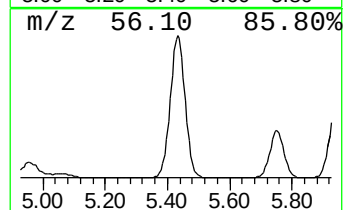
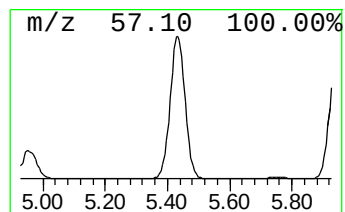
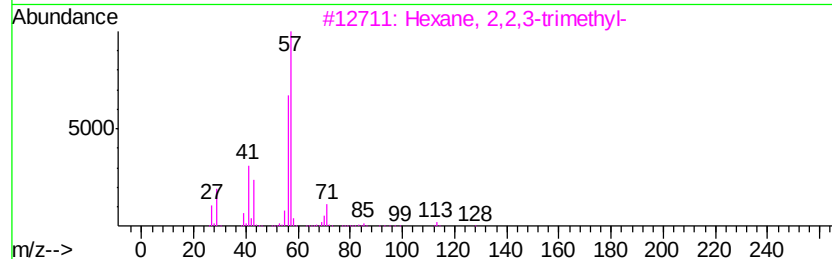
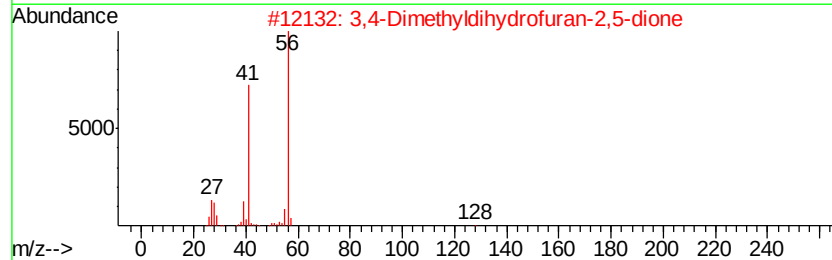
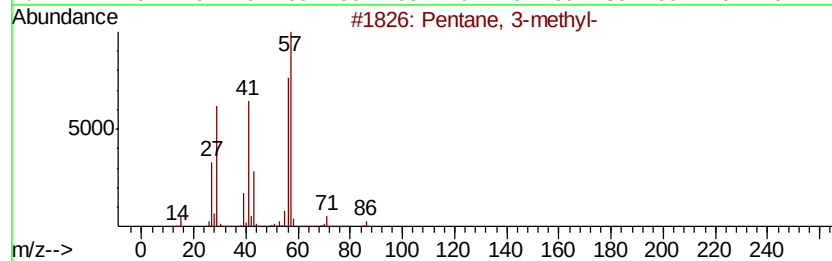
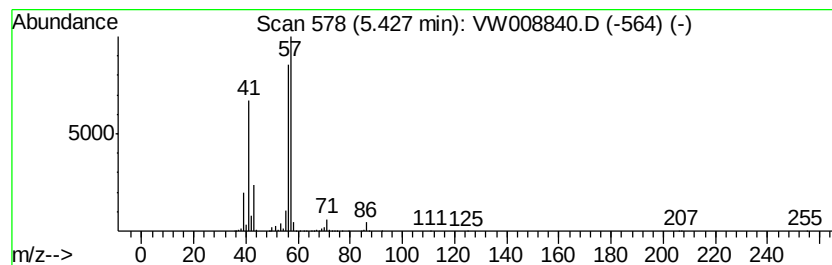
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Quant Title : SW846 8260

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

Peak Number 5 Pentane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.43	33.22 ug/l	2017620	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2		3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	53
3		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	43
4		Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	40
5		n-Hexane	86	C6H14	000110-54-3	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008840.D
Acq On : 26 Feb 2019 19:31
Operator : SY/VA
Sample : K1594-31
Misc : 6.82G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

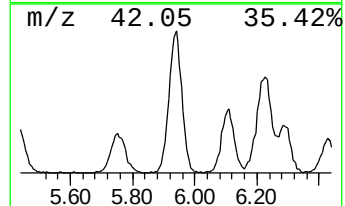
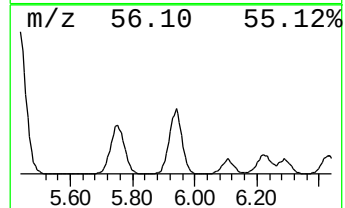
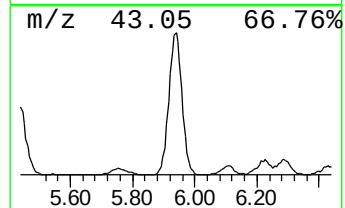
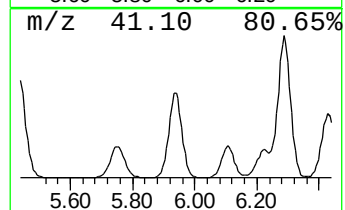
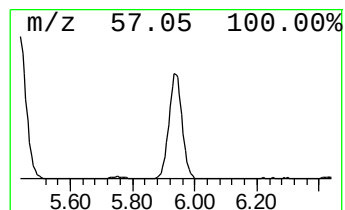
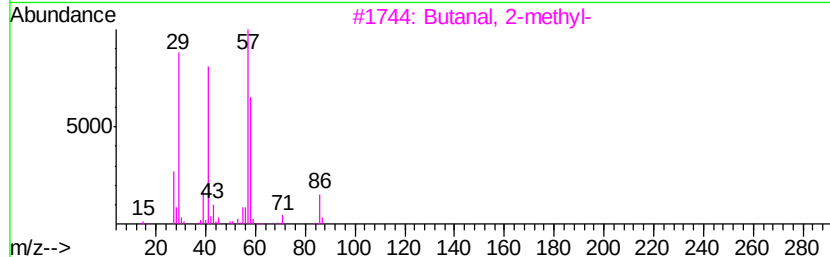
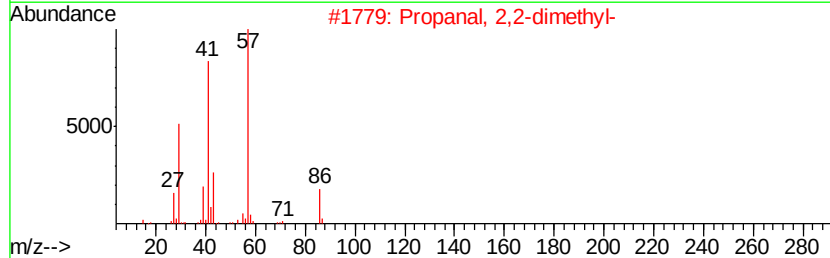
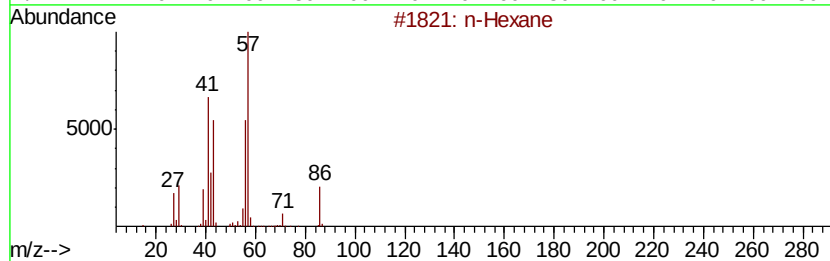
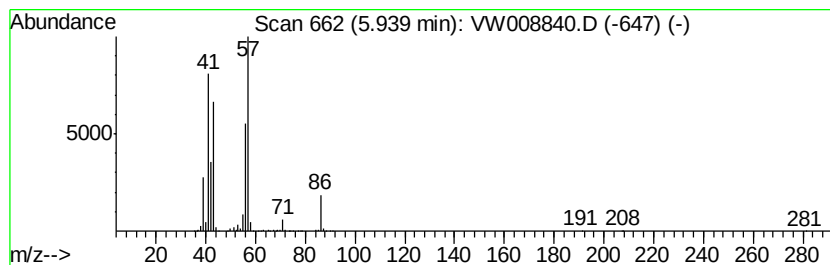
Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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

Peak Number 6 n-Hexane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
5.94	25.11 ug/l	1524790	Pentafluorobenzene	7.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane		86	C6H14	000110-54-3	94
2	Propanal, 2,2-dimethyl-		86	C5H10O	000630-19-3	43
3	Butanal, 2-methyl-		86	C5H10O	000096-17-3	43
4	1-Pentene, 4-methyl-		84	C6H12	000691-37-2	42
5	Hydroperoxide, hexyl		118	C6H14O2	004312-76-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008840.D
Acq On : 26 Feb 2019 19:31
Operator : SY/VA
Sample : K1594-31
Misc : 6.82G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

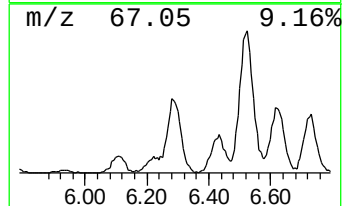
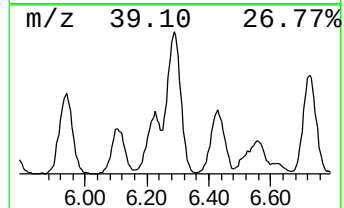
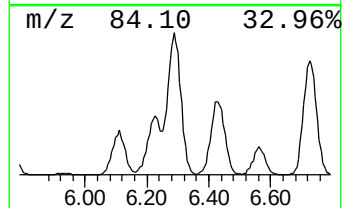
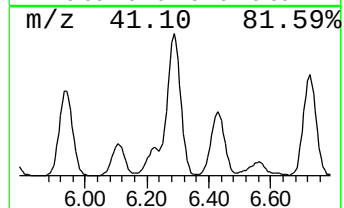
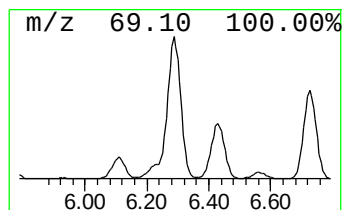
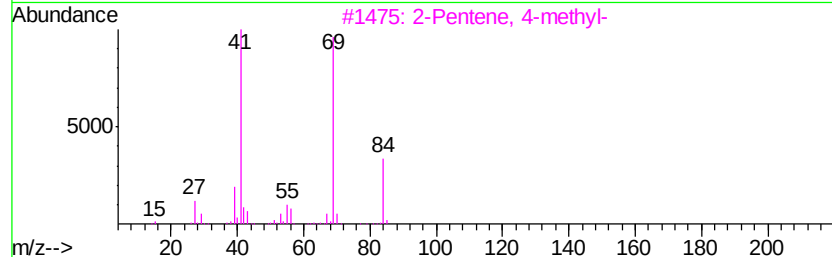
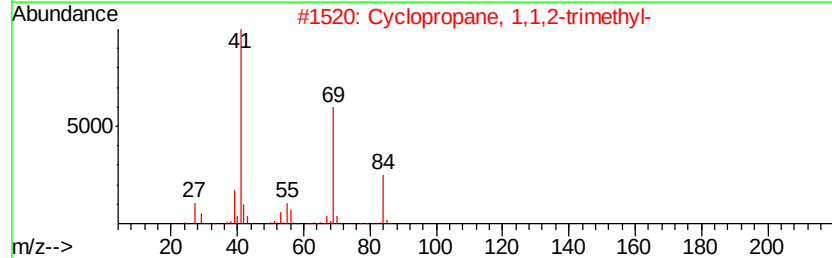
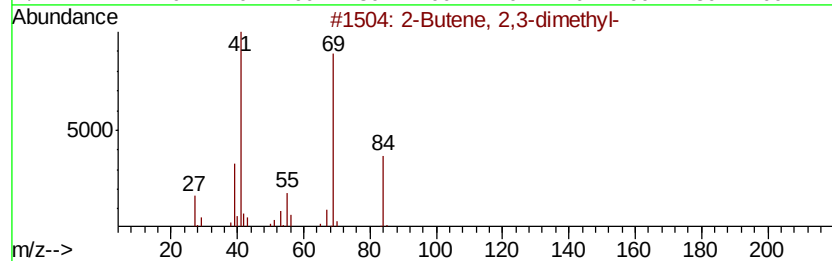
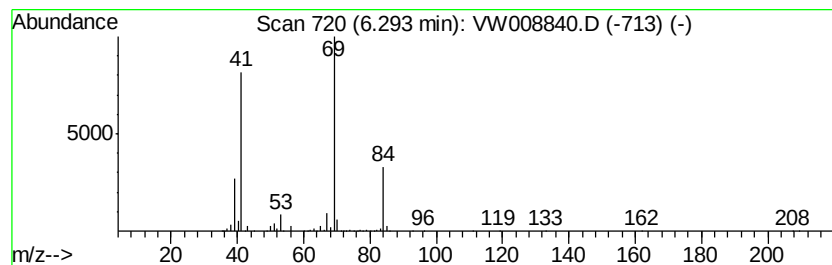
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Quant Title : SW846 8260

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

Peak Number 7 2-Butene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	31.21 ug/l	1895480	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
2		Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	86
3		2-Pentene, 4-methyl-	84	C6H12	004461-48-7	86
4		2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	83
5		1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008840.D
Acq On : 26 Feb 2019 19:31
Operator : SY/VA
Sample : K1594-31
Misc : 6.82G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

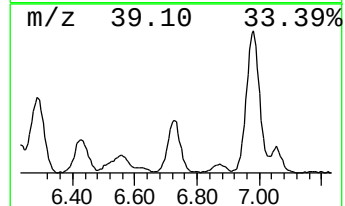
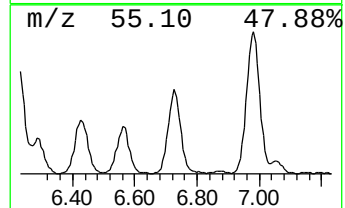
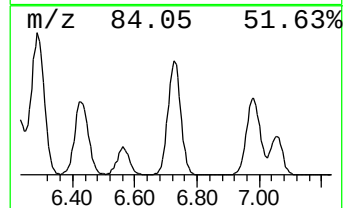
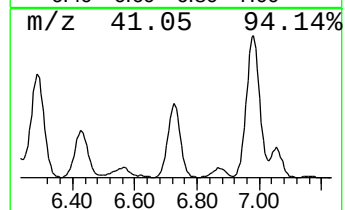
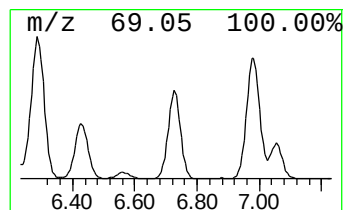
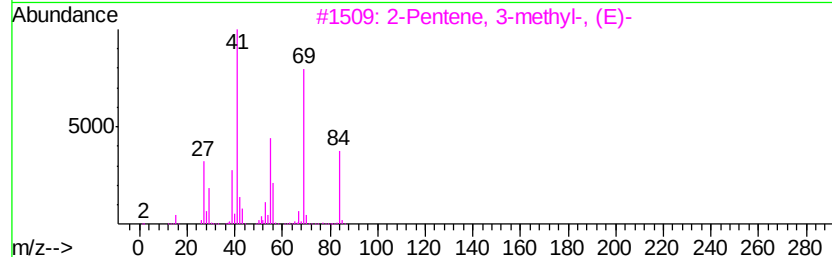
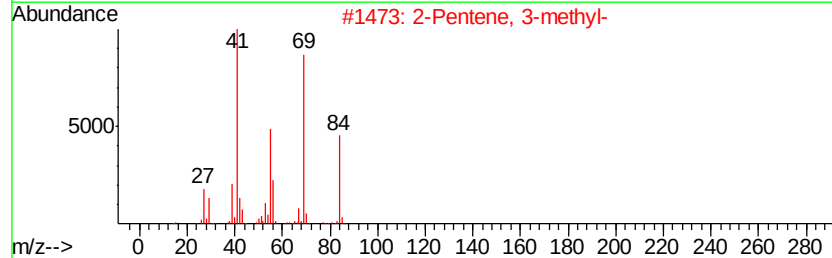
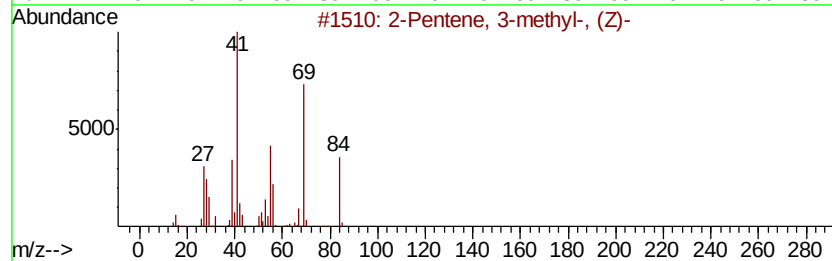
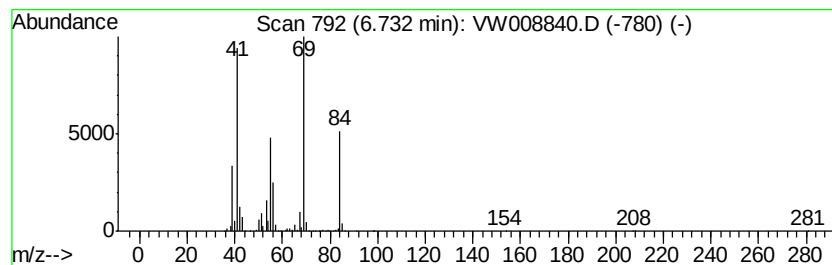
Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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

Peak Number 8 2-Pentene, 3-methyl-, (Z)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
6.73	26.08 ug/l	1583630	Pentafluorobenzene	7.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94	
2	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	91	
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91	
4	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	91	
5	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	90	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008840.D
Acq On : 26 Feb 2019 19:31
Operator : SY/VA
Sample : K1594-31
Misc : 6.82G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

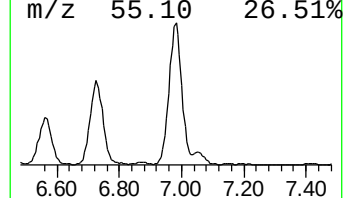
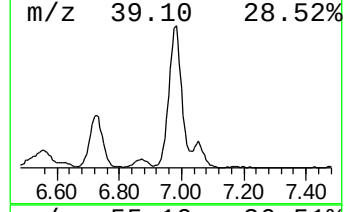
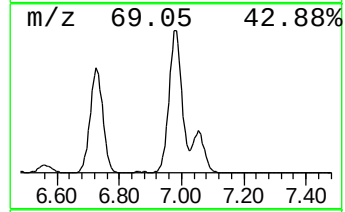
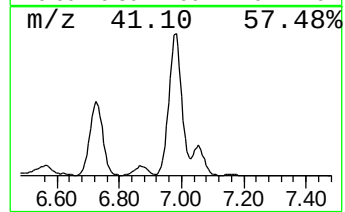
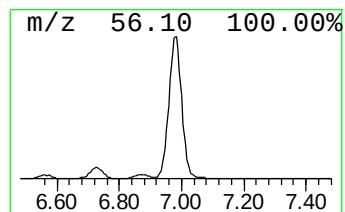
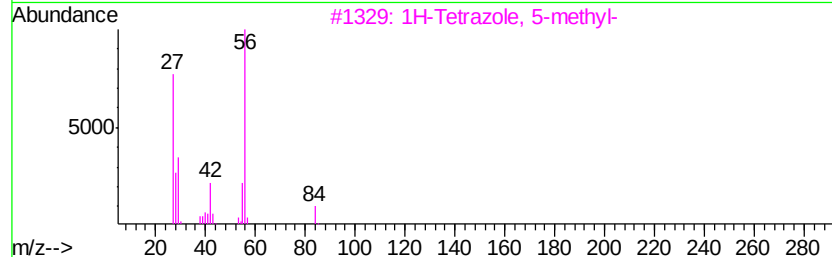
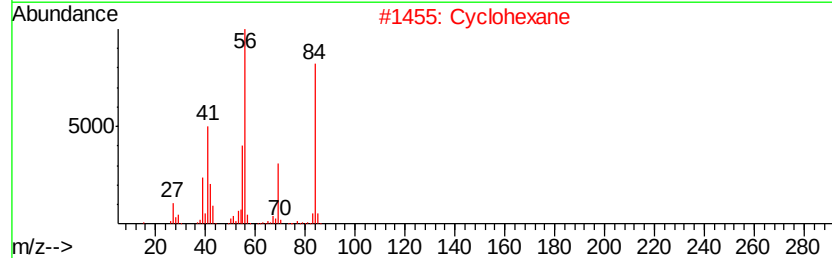
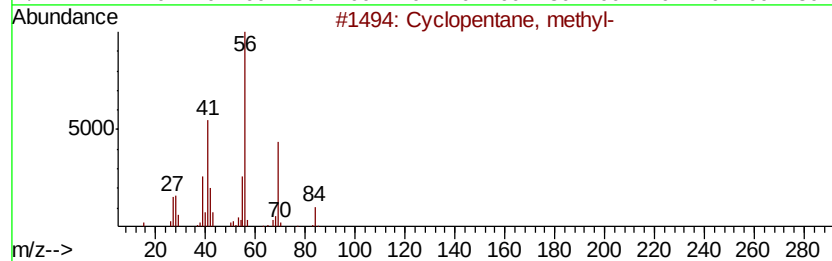
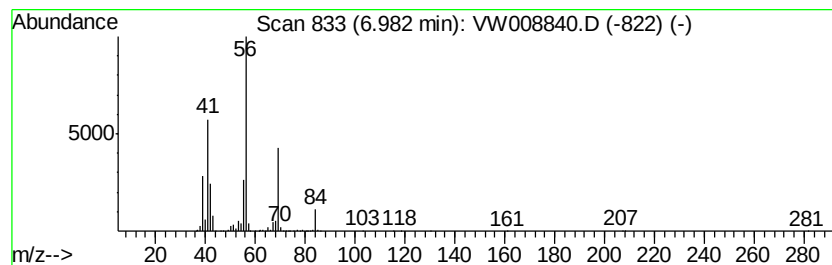
Instrument :
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ClientSampleId :
B-4B(14-15)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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

Peak Number 9 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
6.98	64.65 ug/l	3926160	Pentafluorobenzene	7.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2		Cyclohexane	84	C6H12	000110-82-7	78
3		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4		Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5		Cyclobutane	56	C4H8	000287-23-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008840.D
Acq On : 26 Feb 2019 19:31
Operator : SY/VA
Sample : K1594-31
Misc : 6.82G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

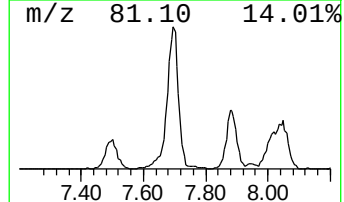
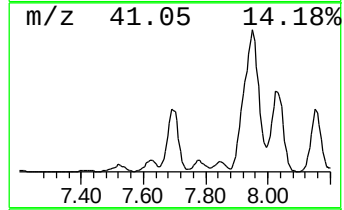
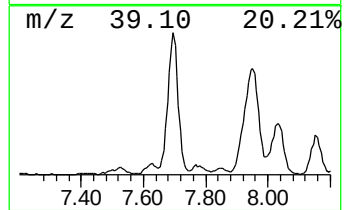
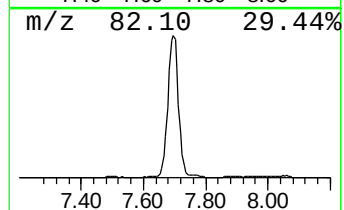
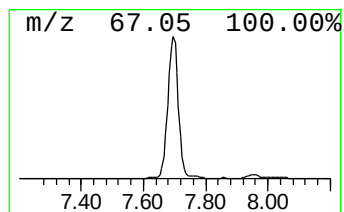
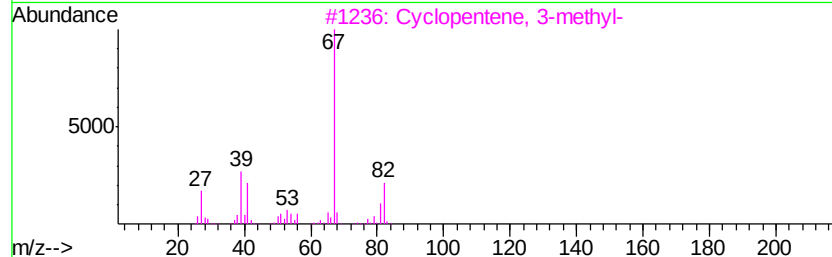
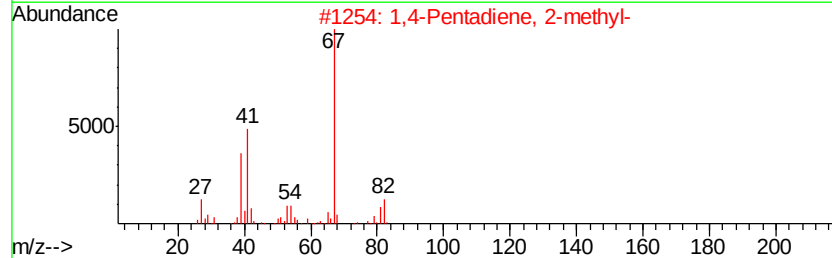
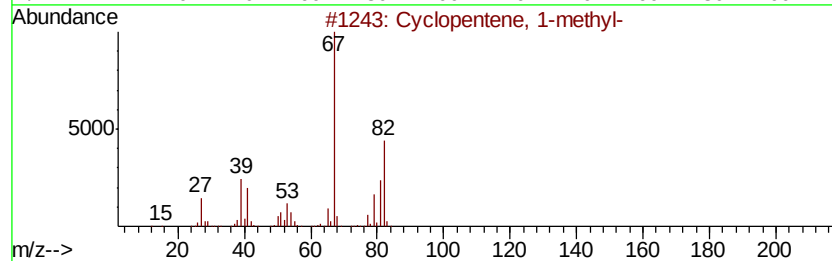
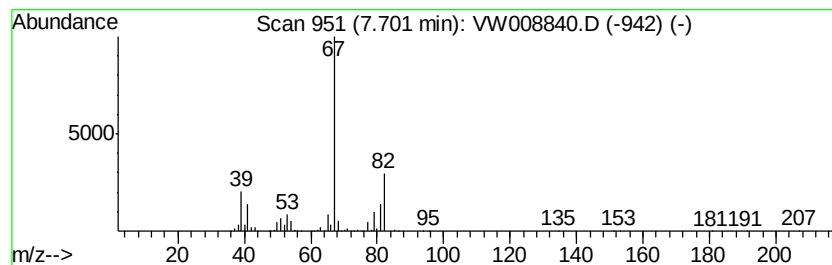
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	27.92 ug/l	1695320	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
2		1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	90
3		Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4		Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	83
5		1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW022619\
Data File : VW008840.D
Acq On : 26 Feb 2019 19:31
Operator : SY/VA
Sample : K1594-31
Misc : 6.82G/5ML/MSVOA_W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
B-4B(14-15)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.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-	3.03	147.6	ug/l	8965690	1	7.95	3036500	50.0
Pentane	3.38	95.6	ug/l	5804280	1	7.95	3036500	50.0
2-Pentene, (E)-	3.58	23.5	ug/l	1429020	1	7.95	3036500	50.0
Pentane, 2-methyl-	4.96	92.9	ug/l	5642500	1	7.95	3036500	50.0
Pentane, 3-methyl-	5.43	33.2	ug/l	2017620	1	7.95	3036500	50.0
n-Hexane	5.94	25.1	ug/l	1524790	1	7.95	3036500	50.0
2-Butene, 2,3-dim...	6.29	31.2	ug/l	1895480	1	7.95	3036500	50.0
2-Pentene, 3-meth...	6.73	26.1	ug/l	1583630	1	7.95	3036500	50.0
Cyclopentane, met...	6.98	64.7	ug/l	3926160	1	7.95	3036500	50.0
Cyclopentene, 1-m...	7.70	27.9	ug/l	1695320	1	7.95	3036500	50.0