

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008566.D
 Acq On : 07 Feb 2019 21:17
 Operator : SY/VA
 Sample : K1409-03
 Misc : 5.47G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-09(0-2)

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\82W012419S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.032	176	185	189	rBV3	164987	494148	5.06%	0.306%
2	3.410	237	247	268	rVV3	591751	2385219	24.41%	1.475%
3	3.587	270	276	293	rVB	244276	852699	8.73%	0.527%
4	3.757	298	304	309	rBV4	93587	255710	2.62%	0.158%
5	3.849	309	319	355	rVB	2434352	9772093	100.00%	6.043%
6	4.946	482	499	508	rBV3	226445	966090	9.89%	0.597%
7	5.074	510	520	548	rVB3	157680	1218556	12.47%	0.753%
8	5.428	566	578	597	rVB	136692	505974	5.18%	0.313%
9	5.757	617	632	653	rBV	570784	3143481	32.17%	1.944%
10	5.928	654	660	675	rVB	251038	790934	8.09%	0.489%
11	6.117	678	691	700	rBV4	151923	658518	6.74%	0.407%
12	6.293	702	720	736	rBV	1950149	9561042	97.84%	5.912%
13	6.732	781	792	822	rVB	1034103	4997831	51.14%	3.090%
14	6.976	823	832	838	rBV	170587	488126	5.00%	0.302%
15	7.062	838	846	855	rBV	351194	1224544	12.53%	0.757%
16	7.629	932	939	942	rVV3	82335	221916	2.27%	0.137%
17	7.702	942	951	969	rVV	1043290	3843325	39.33%	2.377%
18	7.878	971	980	985	rVV	669650	1840944	18.84%	1.138%
19	7.946	985	991	999	rVV	1245006	3073986	31.46%	1.901%
20	8.031	999	1005	1016	rVV4	99945	305860	3.13%	0.189%
21	8.153	1018	1025	1032	rVB	261994	580095	5.94%	0.359%
22	8.305	1038	1050	1059	rVB	621958	1405305	14.38%	0.869%
23	8.427	1060	1070	1075	rBV6	115043	363191	3.72%	0.225%
24	8.519	1077	1085	1090	rBV5	125963	368876	3.77%	0.228%
25	8.689	1104	1113	1128	rVB3	341770	964103	9.87%	0.596%
26	8.842	1128	1138	1158	rBV2	2696895	8565420	87.65%	5.296%
27	9.000	1158	1164	1173	rBV2	196438	594962	6.09%	0.368%
28	9.329	1204	1218	1224	rBV2	331697	886508	9.07%	0.548%
29	9.848	1295	1303	1308	rBV	149405	353859	3.62%	0.219%
30	9.902	1308	1312	1316	rVV4	129265	285231	2.92%	0.176%
31	9.957	1316	1321	1335	rVB4	267636	763092	7.81%	0.472%
32	10.098	1336	1344	1355	rBV2	237994	593589	6.07%	0.367%
33	10.213	1355	1363	1373	rBV	358146	943965	9.66%	0.584%
34	10.323	1373	1381	1387	rBV	2662036	4856997	49.70%	3.003%

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35	10.384	1387	1391	1396	rVV	326241	640365	6.55%	0.396%
36	10.433	1396	1399	1404	rVV4	133913	243956	2.50%	0.151%
37	10.506	1404	1411	1417	rVV3	296896	623433	6.38%	0.385%
38	10.579	1417	1423	1434	rVB	247820	643859	6.59%	0.398%
39	10.701	1434	1443	1447	rBV5	110533	270454	2.77%	0.167%
40	10.756	1447	1452	1462	rVB5	148168	410553	4.20%	0.254%
41	11.036	1486	1498	1500	rBV3	148830	357252	3.66%	0.221%
42	11.408	1552	1559	1564	rBV2	284256	534005	5.46%	0.330%
43	11.512	1570	1576	1581	rBV	289924	468507	4.79%	0.290%
44	11.628	1588	1595	1603	rBV	2276942	3893045	39.84%	2.407%
45	11.731	1606	1612	1619	rVV	1164359	1955571	20.01%	1.209%
46	11.835	1621	1629	1640	rVV	2591846	5186675	53.08%	3.207%
47	12.164	1674	1683	1693	rBV	590478	1141969	11.69%	0.706%
48	12.329	1702	1710	1715	rBV8	91473	224181	2.29%	0.139%
49	12.463	1722	1732	1737	rVV	154607	407286	4.17%	0.252%
50	12.512	1737	1740	1743	rVV4	128273	251998	2.58%	0.156%
51	12.567	1747	1749	1752	rVV	202433	253799	2.60%	0.157%
52	12.622	1752	1758	1767	rVV	1701285	3141389	32.15%	1.942%
53	12.804	1782	1788	1793	rBV	622508	1000321	10.24%	0.619%
54	12.871	1793	1799	1802	rVV	1884575	3289575	33.66%	2.034%
55	12.902	1802	1804	1807	rVV	992754	1329082	13.60%	0.822%
56	12.945	1807	1811	1816	rVV2	1040219	1765239	18.06%	1.092%
57	13.103	1829	1837	1845	rBV	641108	1260479	12.90%	0.779%
58	13.249	1854	1861	1867	rBV	3140514	5047416	51.65%	3.121%
59	13.445	1889	1893	1897	rVV2	150075	222343	2.28%	0.137%
60	13.493	1897	1901	1904	rVV2	132752	221589	2.27%	0.137%
61	13.560	1907	1912	1921	rVV2	1803479	3740913	38.28%	2.313%
62	13.627	1921	1923	1930	rVB2	157047	228993	2.34%	0.142%
63	13.725	1933	1939	1940	rBV	336263	485229	4.97%	0.300%
64	13.755	1940	1944	1947	rVV3	1408848	2280599	23.34%	1.410%
65	13.792	1947	1950	1960	rVB3	1105831	2400832	24.57%	1.485%
66	13.877	1960	1964	1969	rBV2	379225	529047	5.41%	0.327%
67	13.951	1972	1976	1981	rVB	276560	404462	4.14%	0.250%
68	14.012	1981	1986	1989	rBV	650566	1127275	11.54%	0.697%
69	14.042	1989	1991	1995	rVV	716849	907249	9.28%	0.561%
70	14.097	1995	2000	2006	rVB	1274923	1954118	20.00%	1.208%
71	14.164	2007	2011	2014	rVV	160780	204469	2.09%	0.126%

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72	14.207	2014	2018	2024	rVB2	793106	1303448	13.34%	0.806%
73	14.292	2024	2032	2035	rBV6	98181	251914	2.58%	0.156%
74	14.347	2035	2041	2046	rBV3	359319	725710	7.43%	0.449%
75	14.426	2046	2054	2057	rVV	1013441	1961163	20.07%	1.213%
76	14.463	2057	2060	2064	rVV	1259530	1749857	17.91%	1.082%
77	14.505	2064	2067	2070	rVV	736344	974113	9.97%	0.602%
78	14.542	2070	2073	2080	rVB	408546	597645	6.12%	0.370%
79	14.646	2086	2090	2093	rBV	607690	808425	8.27%	0.500%
80	14.694	2093	2098	2101	rVV	1433231	2506482	25.65%	1.550%
81	14.731	2102	2104	2109	rVB2	960960	1266561	12.96%	0.783%
82	14.810	2109	2117	2122	rBV4	2028964	4803402	49.15%	2.970%
83	14.859	2122	2125	2132	rVB	543223	984938	10.08%	0.609%
84	14.963	2137	2142	2149	rVB2	430243	742814	7.60%	0.459%
85	15.030	2149	2153	2155	rBV2	367153	550393	5.63%	0.340%
86	15.072	2155	2160	2164	rBV2	947297	1653041	16.92%	1.022%
87	15.182	2171	2178	2186	rVB2	1000414	2354401	24.09%	1.456%
88	15.255	2187	2190	2197	rVB5	173685	330735	3.38%	0.205%
89	15.371	2197	2209	2215	rBV	2262155	4563081	46.70%	2.822%
90	15.475	2221	2226	2231	rBV2	716120	1260792	12.90%	0.780%
91	15.530	2231	2235	2237	rVV2	313127	525193	5.37%	0.325%
92	15.560	2237	2240	2249	rVB3	599777	1129936	11.56%	0.699%
93	15.664	2249	2257	2263	rBV2	820147	1725966	17.66%	1.067%
94	15.737	2266	2269	2273	rVB2	135998	200181	2.05%	0.124%
95	15.828	2273	2284	2295	rBV4	439112	1799764	18.42%	1.113%
96	15.956	2301	2305	2310	rVB2	233774	376913	3.86%	0.233%
97	16.036	2310	2318	2333	rVB2	413670	1368895	14.01%	0.846%
98	16.176	2333	2341	2346	rBV4	160052	410885	4.20%	0.254%
99	16.450	2379	2386	2393	rBV	2592210	5289283	54.13%	3.271%
100	16.651	2411	2419	2431	rVB	997638	2331128	23.85%	1.441%

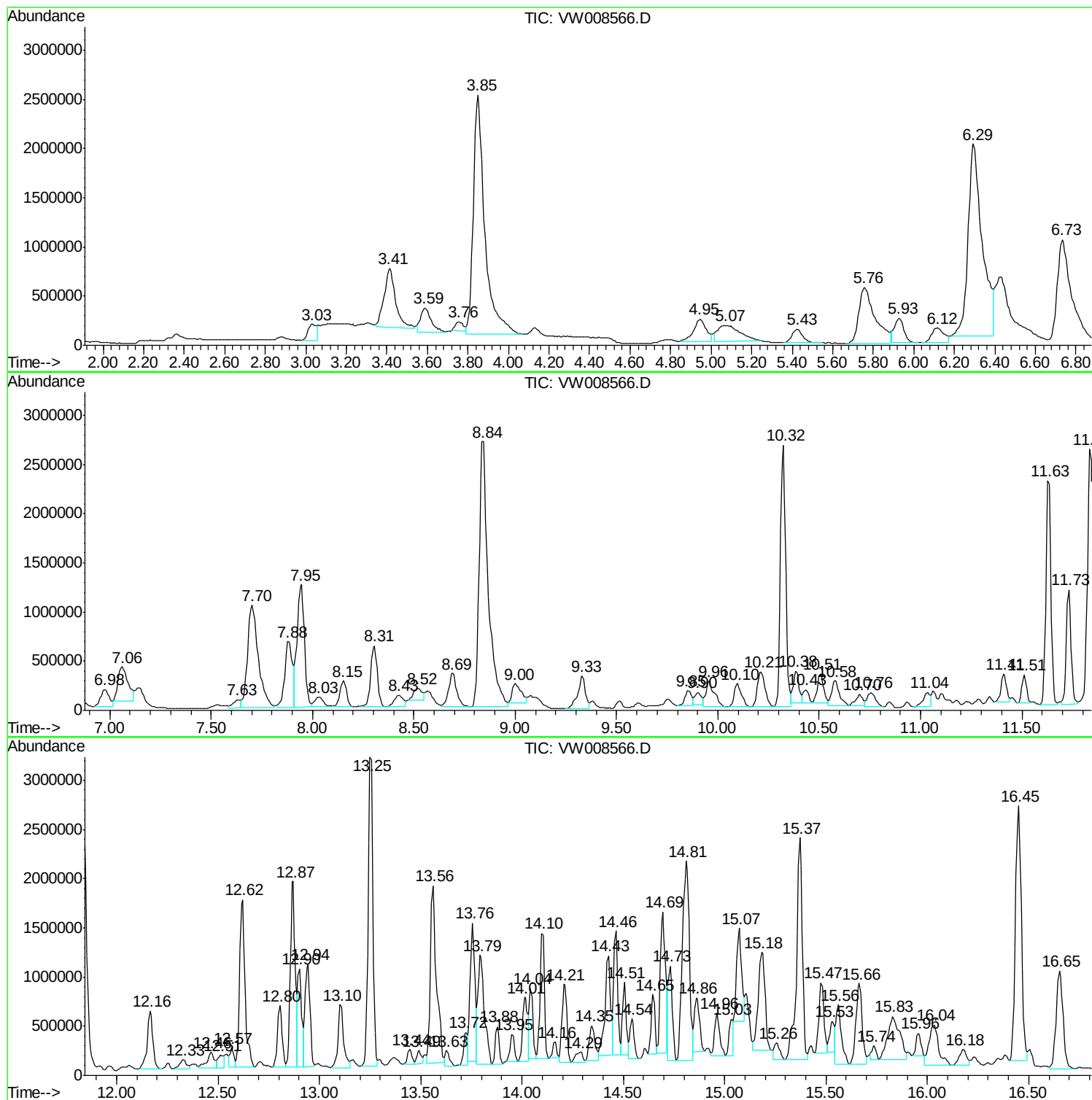
Sum of corrected areas: 161720775

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ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
SB-09(0-2)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.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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SB-09(0-2)

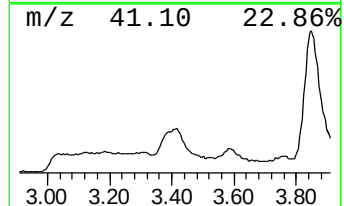
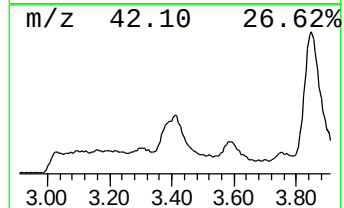
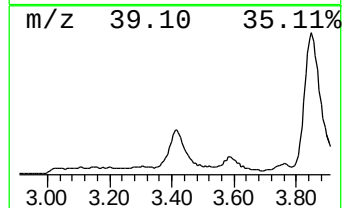
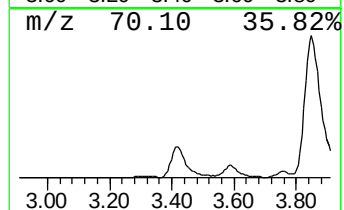
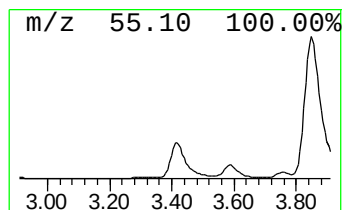
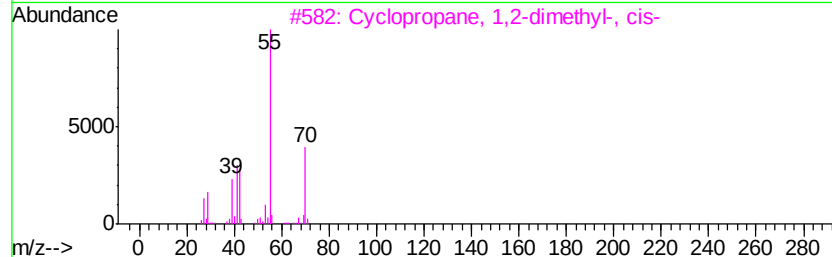
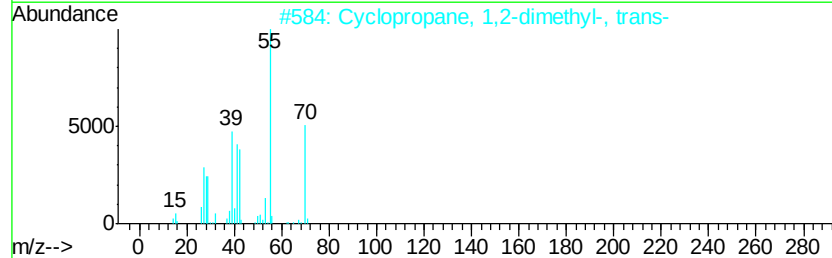
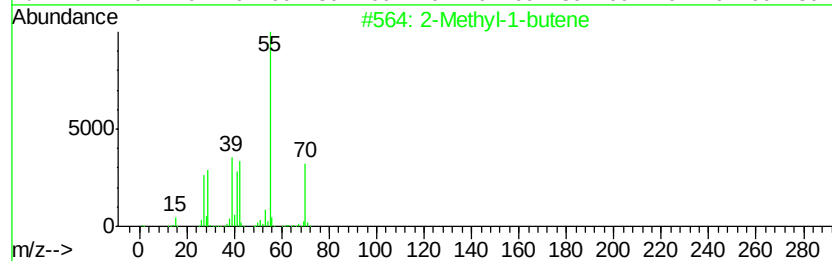
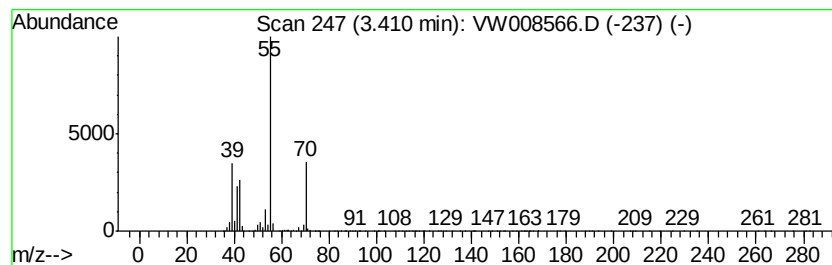
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

Peak Number 1 2-Methyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.41	38.80 ug/l	2385220	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methyl-1-butene	70	C5H10	000563-46-2	90
2		Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
3		Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	86
4		2-Butene, 2-methyl-	70	C5H10	000513-35-9	83
5		1-Butene, 3-methyl-	70	C5H10	000563-45-1	80



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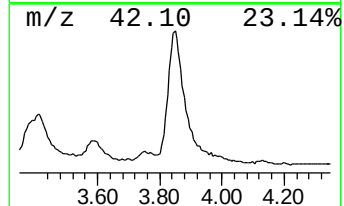
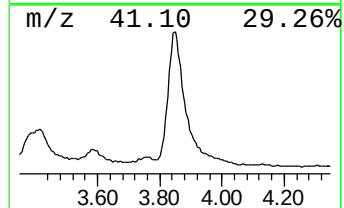
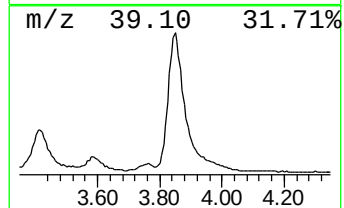
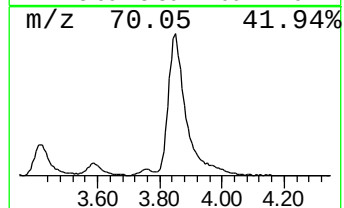
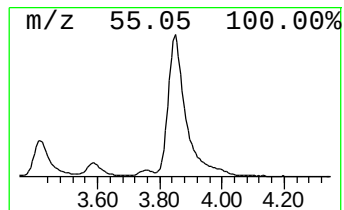
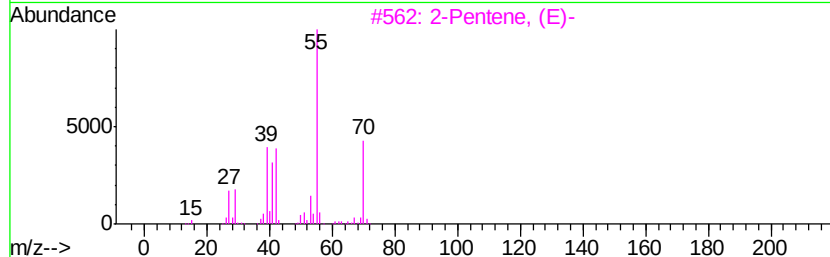
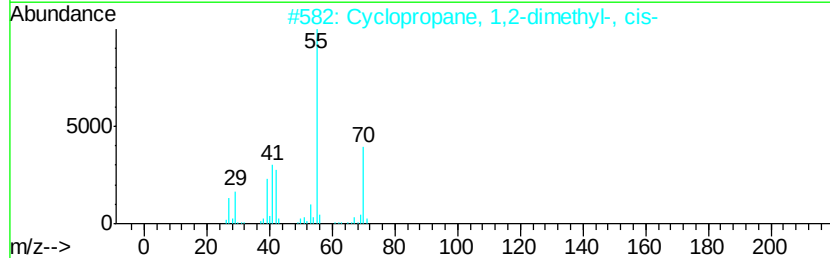
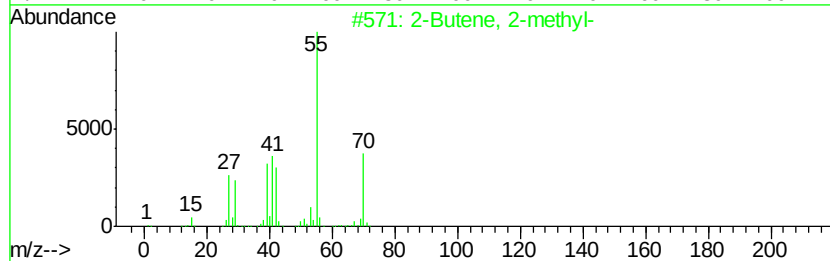
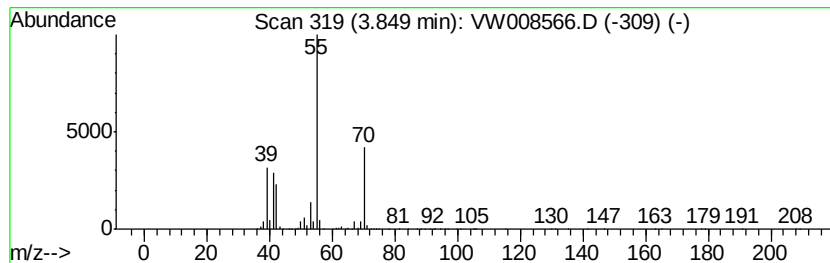
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.85	158.95 ug/l	9772090	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
2		Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3		2-Pentene, (E)-	70	C5H10	000646-04-8	86
4		Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80
5		Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	80



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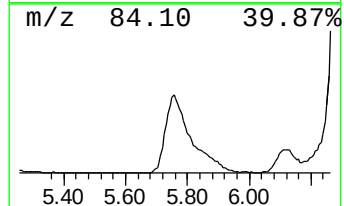
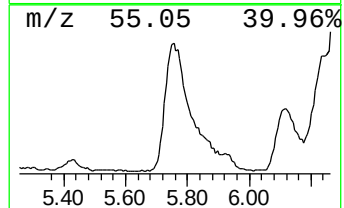
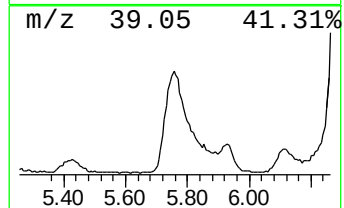
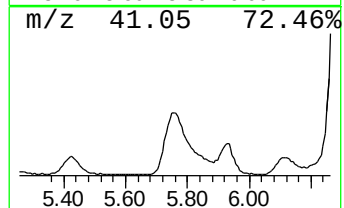
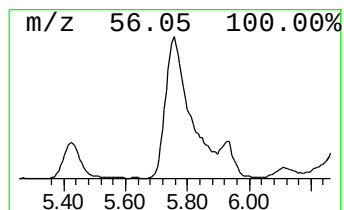
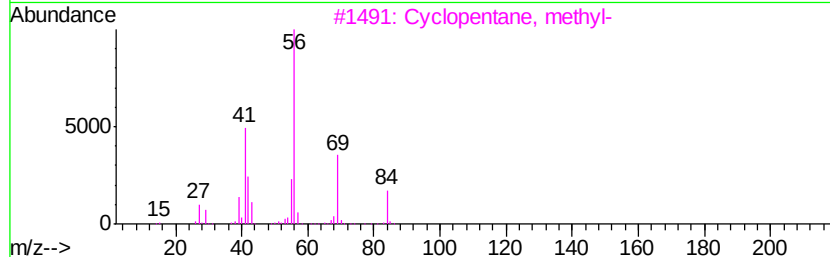
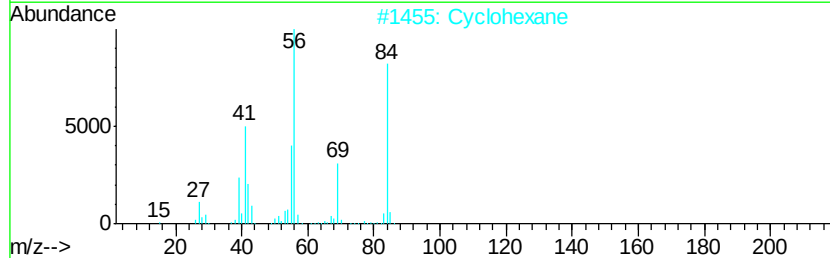
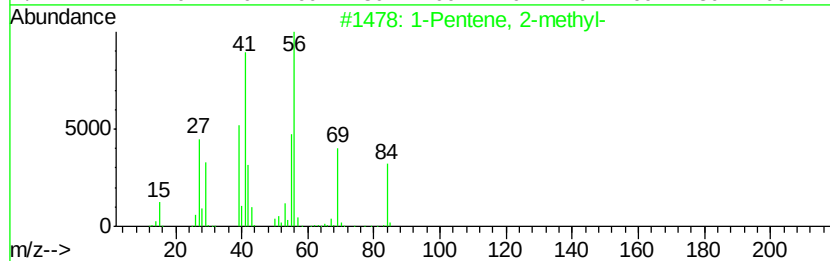
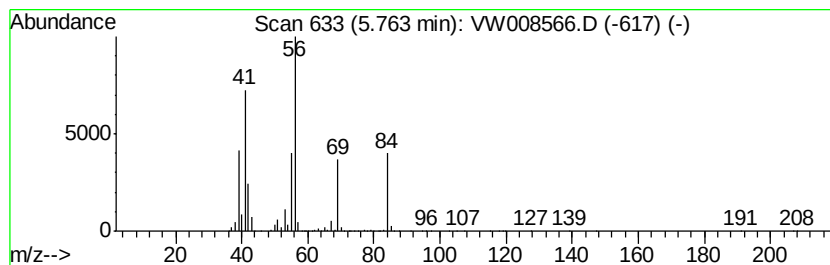
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Quant Title : SW846 8260

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TIC Integration Parameters: LSCINT.P

Peak Number 3 1-Pentene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	51.13 ug/l	3143480	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
2		Cyclohexane	84	C6H12	000110-82-7	72
3		Cyclopentane, methyl-	84	C6H12	000096-37-7	47
4		1-Hexene	84	C6H12	000592-41-6	47
5		Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008566.D
Acq On : 07 Feb 2019 21:17
Operator : SY/VA
Sample : K1409-03
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

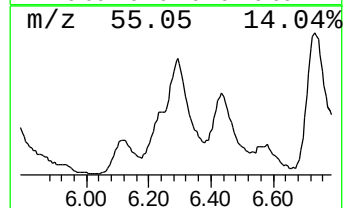
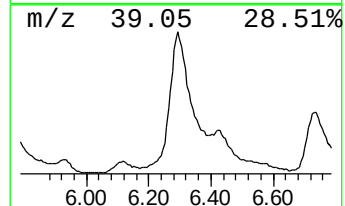
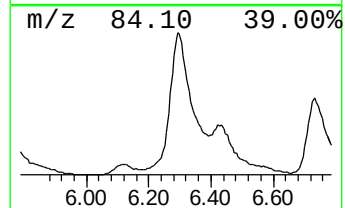
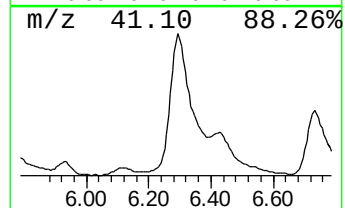
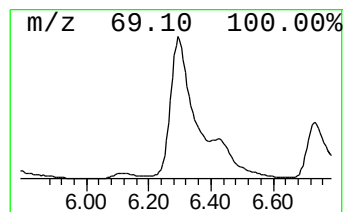
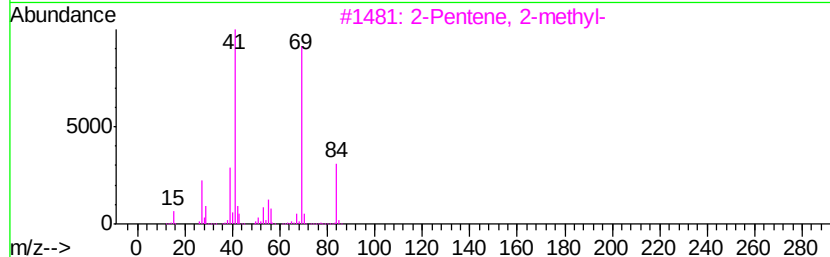
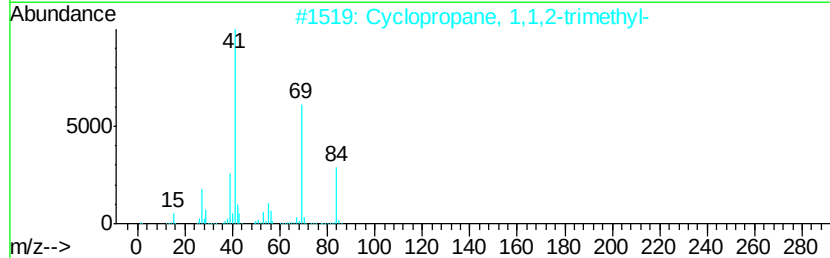
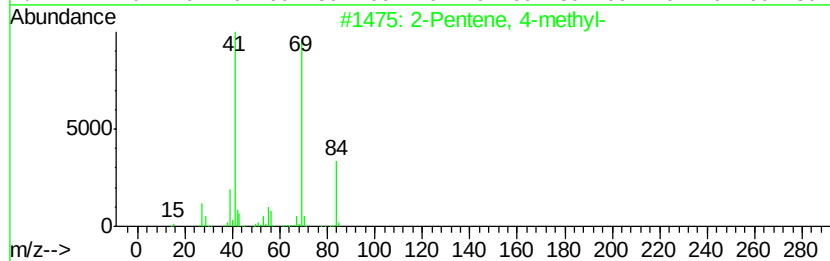
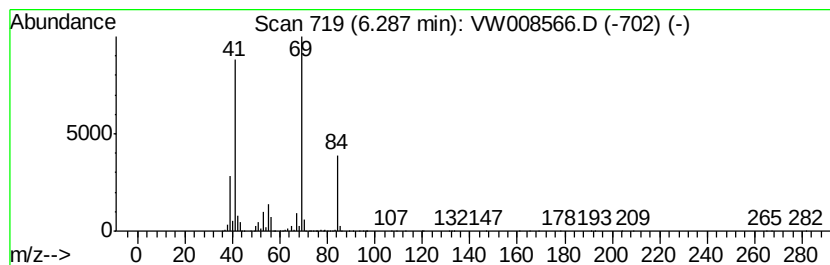
Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

Peak Number 4 2-Pentene, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
6.29	155.52 ug/l	9561040	Pentafluorobenzene	7.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91	
2	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	91	
3	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91	
4	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	91	
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008566.D
Acq On : 07 Feb 2019 21:17
Operator : SY/VA
Sample : K1409-03
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

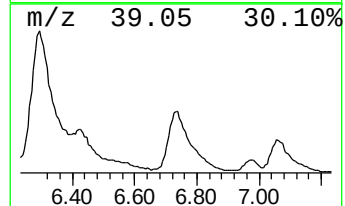
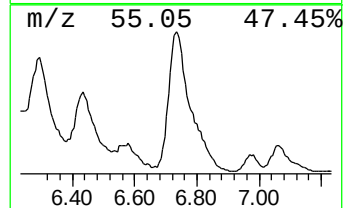
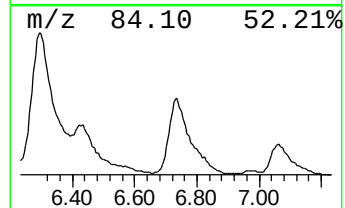
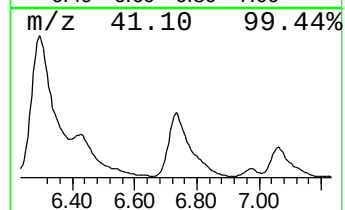
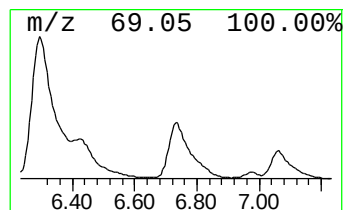
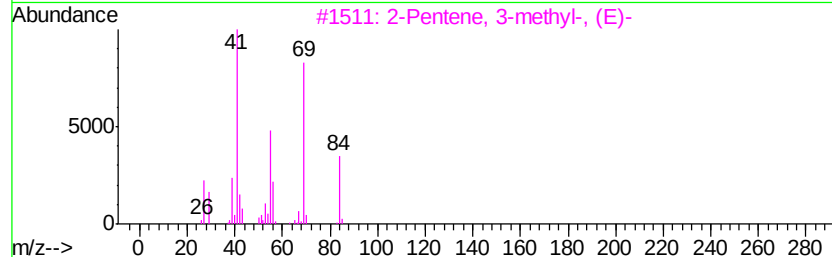
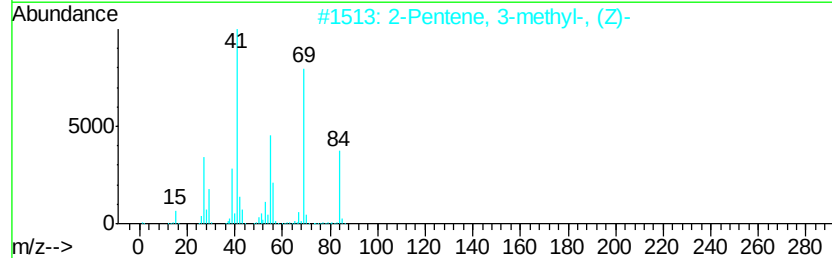
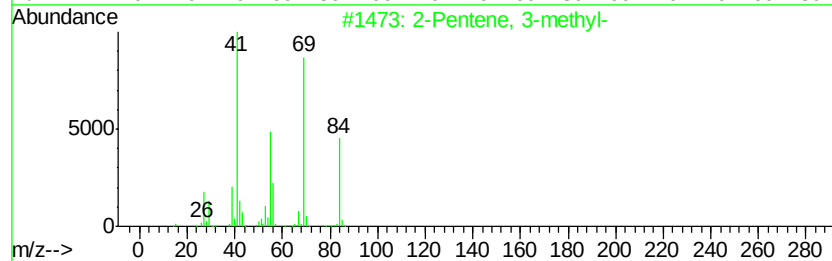
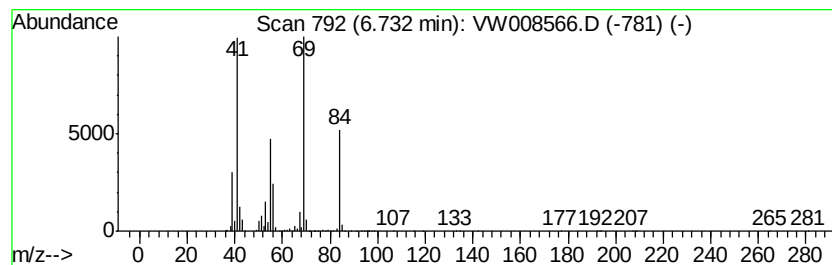
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Quant Title : SW846 8260

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

Peak Number 5 2-Pentene, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	81.29 ug/l	4997830	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	95
2		2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
3		2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	94
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\VW020719\
Data File : VW008566.D
Acq On : 07 Feb 2019 21:17
Operator : SY/VA
Sample : K1409-03
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

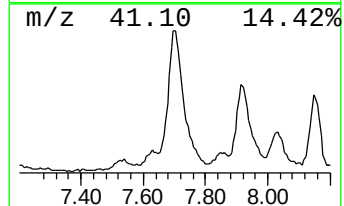
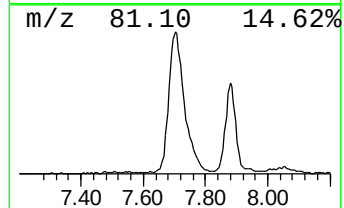
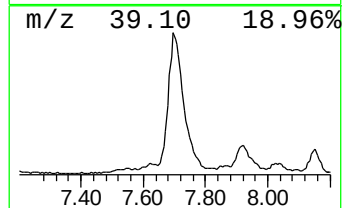
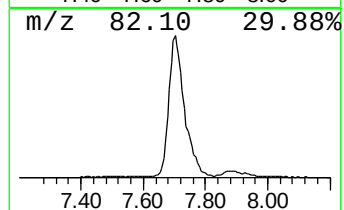
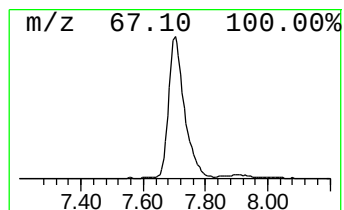
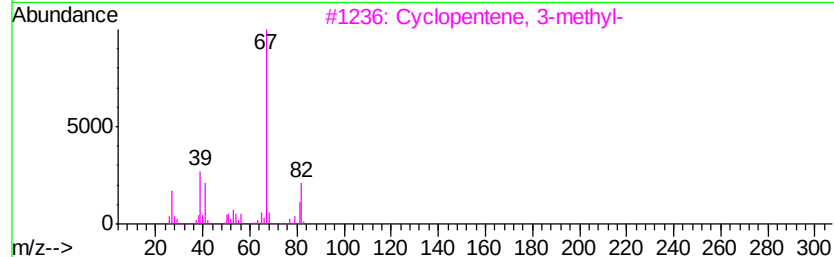
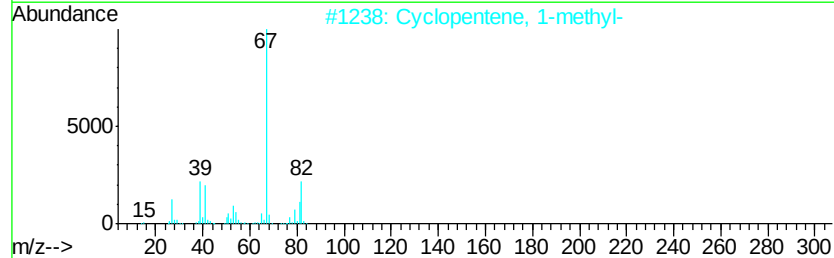
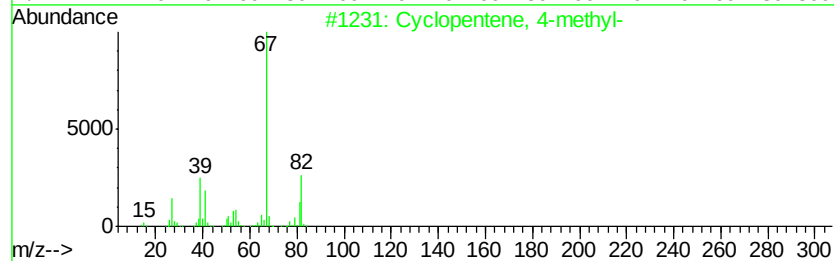
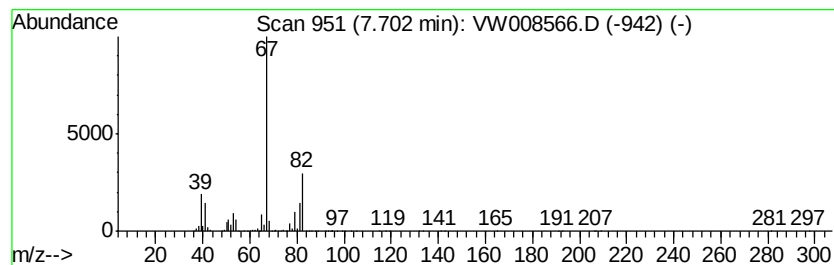
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

Peak Number 6 Cyclopentene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	62.51 ug/l	3843330	Pentafluorobenzene	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
2		Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
3		Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
4		1,4-Hexadiene	82	C6H10	000592-45-0	86
5		Cyclopentane, methylene-	82	C6H10	001528-30-9	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008566.D
Acq On : 07 Feb 2019 21:17
Operator : SY/VA
Sample : K1409-03
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

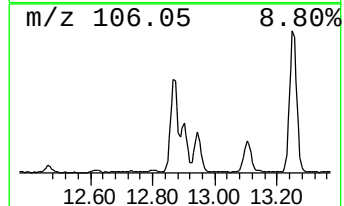
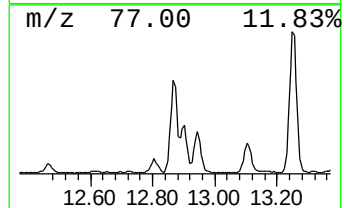
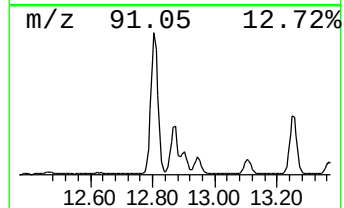
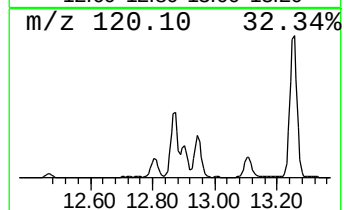
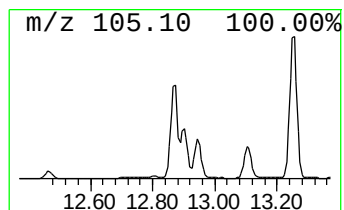
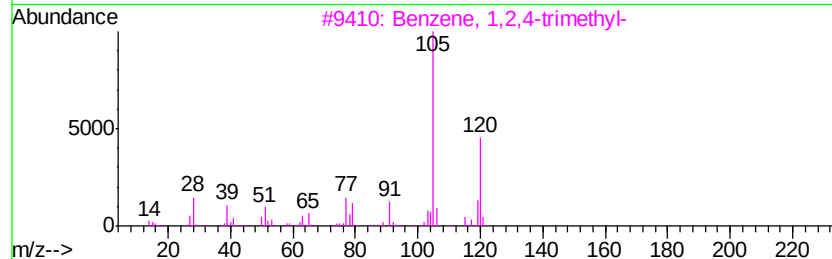
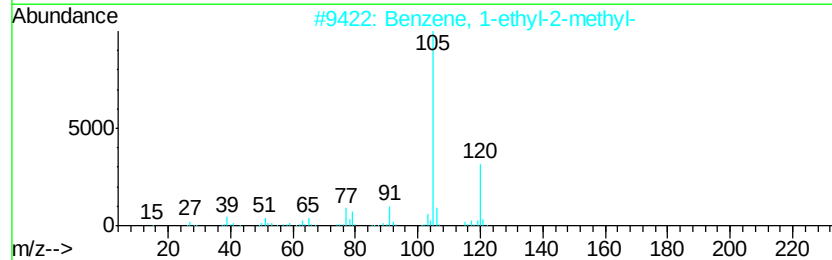
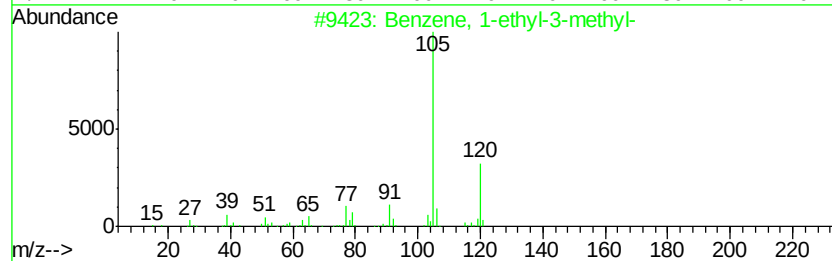
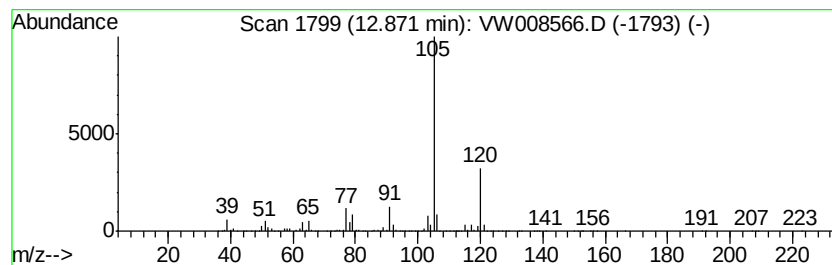
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	43.97 ug/l	3289580	1,4-Dichlorobenzene-d4	13.56

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		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5		Mesitylene	120	C9H12	000108-67-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008566.D
Acq On : 07 Feb 2019 21:17
Operator : SY/VA
Sample : K1409-03
Misc : 5.47G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

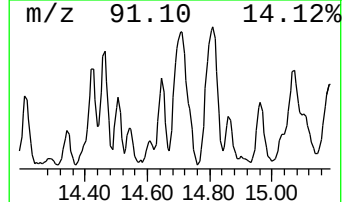
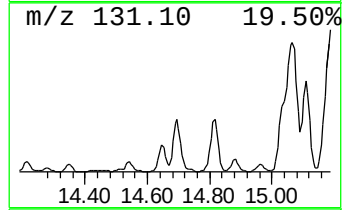
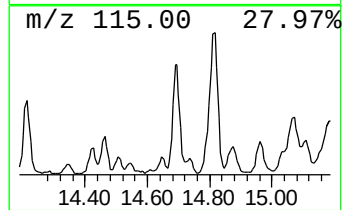
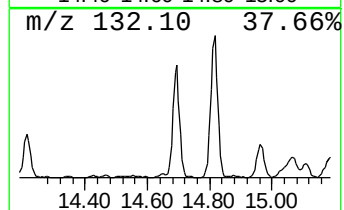
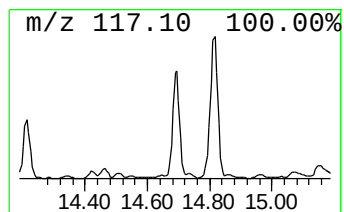
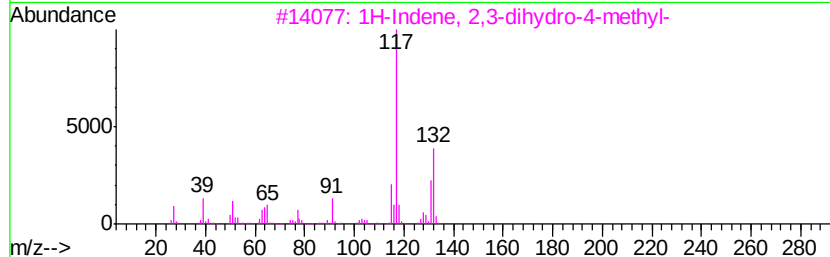
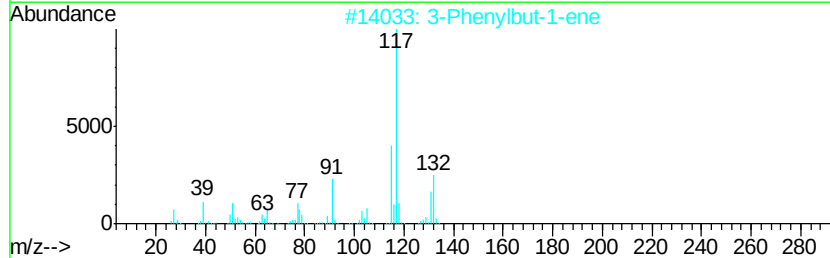
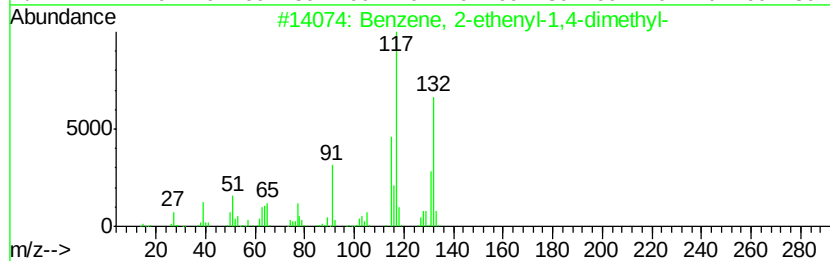
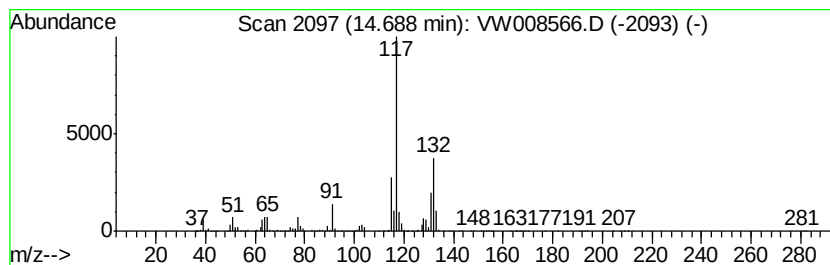
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	33.50 ug/l	2506480	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW020719\
Data File : VW008566.D
Acq On : 07 Feb 2019 21:17
Operator : SY/VA
Sample : K1409-03
Misc : 5.47G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-09(0-2)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.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
2-Methyl-1-butene	3.41	38.8	ug/l	2385220	1	7.95	3073990	50.0
2-Butene, 2-methyl-	3.85	158.9	ug/l	9772090	1	7.95	3073990	50.0
1-Pentene, 2-methyl-	5.76	51.1	ug/l	3143480	1	7.95	3073990	50.0
2-Pentene, 4-methyl-	6.29	155.5	ug/l	9561040	1	7.95	3073990	50.0
2-Pentene, 3-methyl-	6.73	81.3	ug/l	4997830	1	7.95	3073990	50.0
Cyclopentene, 4-m...	7.70	62.5	ug/l	3843330	1	7.95	3073990	50.0
Benzene, 1-ethyl-...	12.87	44.0	ug/l	3289580	4	13.56	3740910	50.0
Benzene, 2-etheny...	14.69	33.5	ug/l	2506480	4	13.56	3740910	50.0