

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
 Data File : VW007807.D
 Acq On : 21 Dec 2018 20:41
 Operator : SY/AP
 Sample : J6392-14
 Misc : 6.51G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB105-121218-(16-18)

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\82W122118S.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	4.123	355	364	376	rBB2	2838	7354	1.85%	0.161%
2	4.903	481	492	508	rBV7	5441	24898	6.26%	0.545%
3	5.428	566	578	590	rBB	6309	20670	5.20%	0.452%
4	6.872	806	815	825	rBV3	2288	7325	1.84%	0.160%
5	7.153	851	861	876	rBB2	4677	13807	3.47%	0.302%
6	7.884	972	981	985	rBV	48842	114917	28.89%	2.515%
7	7.945	985	991	999	rVV	113276	249292	62.67%	5.456%
8	8.031	999	1005	1018	rVV3	9393	24542	6.17%	0.537%
9	8.153	1018	1025	1031	rVV3	4802	10228	2.57%	0.224%
10	8.305	1040	1050	1060	rVB2	56724	134004	33.69%	2.933%
11	8.476	1060	1078	1090	rVV	40899	139585	35.09%	3.055%
12	8.561	1090	1092	1102	rVB4	4942	10114	2.54%	0.221%
13	8.842	1129	1138	1149	rBV	158665	316631	79.60%	6.930%
14	9.122	1179	1184	1193	rVB4	1914	5152	1.30%	0.113%
15	9.329	1206	1218	1223	rBV2	28595	69258	17.41%	1.516%
16	9.384	1223	1227	1235	rVV2	14553	27594	6.94%	0.604%
17	9.512	1244	1248	1254	rVB3	3589	6794	1.71%	0.149%
18	9.610	1259	1264	1269	rVB4	3068	6103	1.53%	0.134%
19	9.756	1281	1288	1299	rVB2	30528	62810	15.79%	1.375%
20	9.847	1299	1303	1305	rBV2	4039	6057	1.52%	0.133%
21	9.896	1305	1311	1317	rVV2	28969	55764	14.02%	1.221%
22	9.957	1317	1321	1335	rVB4	9765	24561	6.17%	0.538%
23	10.091	1335	1343	1347	rBV4	9057	24012	6.04%	0.526%
24	10.207	1355	1362	1364	rBV3	3596	6687	1.68%	0.146%
25	10.250	1364	1369	1374	rVV2	13864	25230	6.34%	0.552%
26	10.323	1374	1381	1395	rVV	222213	397783	100.00%	8.706%
27	10.445	1395	1401	1404	rVV4	4394	9232	2.32%	0.202%
28	10.506	1404	1411	1418	rVB6	6511	18916	4.76%	0.414%
29	10.664	1433	1437	1443	rBV4	3628	6779	1.70%	0.148%
30	10.750	1445	1451	1461	rVV5	9288	27357	6.88%	0.599%
31	10.847	1462	1467	1472	rVB2	5717	10030	2.52%	0.220%
32	10.939	1473	1482	1488	rBV2	4899	10504	2.64%	0.230%
33	11.036	1488	1498	1506	rBV3	7936	23287	5.85%	0.510%
34	11.177	1518	1521	1526	rVB3	3447	4893	1.23%	0.107%

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Integration Parameters: RTEINT.P

Integrator: RTE
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 Sampling : 1
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 Stop Thrs : 0

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 Max Peaks: 100
 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Title : SW846 8260

35	11.231	1526	1530	1535	rVB3	3354	5982	1.50%	0.131%
36	11.341	1543	1548	1551	rBV3	6797	10856	2.73%	0.238%
37	11.384	1551	1555	1556	rVV2	4451	5789	1.46%	0.127%
38	11.414	1556	1560	1571	rVB5	9546	24637	6.19%	0.539%
39	11.512	1571	1576	1582	rBV2	9510	16994	4.27%	0.372%
40	11.634	1588	1596	1603	rBV	221606	377731	94.96%	8.268%
41	11.731	1607	1612	1621	rVV5	6345	15632	3.93%	0.342%
42	11.841	1621	1630	1633	rVV3	4324	11681	2.94%	0.256%
43	11.872	1633	1635	1640	rVV4	3983	6757	1.70%	0.148%
44	12.067	1659	1667	1673	rBV6	2587	5320	1.34%	0.116%
45	12.140	1673	1679	1682	rBV4	4562	8800	2.21%	0.193%
46	12.256	1693	1698	1702	rVB3	3871	6756	1.70%	0.148%
47	12.335	1702	1711	1715	rBV5	3966	9228	2.32%	0.202%
48	12.469	1726	1733	1739	rBV	119050	191259	48.08%	4.186%
49	12.621	1751	1758	1767	rVB	167527	275992	69.38%	6.041%
50	12.804	1782	1788	1795	rBV	94006	146535	36.84%	3.207%
51	12.938	1806	1810	1820	rVB7	4730	10181	2.56%	0.223%
52	13.109	1829	1838	1844	rBV3	3653	9292	2.34%	0.203%
53	13.213	1850	1855	1858	rBV3	2816	4439	1.12%	0.097%
54	13.383	1875	1883	1891	rVB3	19410	50898	12.80%	1.114%
55	13.560	1905	1912	1923	rBV	247842	396408	99.65%	8.676%
56	13.652	1923	1927	1933	rVB	5684	9384	2.36%	0.205%
57	13.725	1933	1939	1941	rBV	52946	78955	19.85%	1.728%
58	13.761	1941	1945	1950	rVB	130357	196215	49.33%	4.295%
59	13.810	1950	1953	1954	rBV2	6193	7551	1.90%	0.165%
60	13.883	1960	1965	1971	rBV2	10527	17274	4.34%	0.378%
61	14.103	1993	2001	2007	rBV	137612	212875	53.52%	4.659%
62	14.164	2007	2011	2014	rVV	16910	26984	6.78%	0.591%
63	14.213	2014	2019	2025	rVB2	59566	100486	25.26%	2.199%
64	14.341	2034	2040	2045	rVB6	2142	5356	1.35%	0.117%
65	14.426	2045	2054	2062	rVB	74617	121995	30.67%	2.670%
66	14.505	2062	2067	2071	rBV	8576	14615	3.67%	0.320%
67	14.578	2075	2079	2083	rVV2	7505	12091	3.04%	0.265%
68	14.700	2093	2099	2102	rBV4	8220	13410	3.37%	0.294%
69	14.737	2102	2105	2109	rVV2	7114	10135	2.55%	0.222%
70	14.798	2109	2115	2121	rVV	49267	81911	20.59%	1.793%
71	14.865	2121	2126	2134	rVV2	11562	22513	5.66%	0.493%

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Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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72	15.072	2146	2160	2164	rBV	21385	43480	10.93%	0.952%
73	15.115	2164	2167	2172	rVV	9672	15754	3.96%	0.345%
74	15.182	2172	2178	2186	rVB3	20272	45190	11.36%	0.989%
75	15.334	2197	2203	2207	rBV6	2379	5009	1.26%	0.110%
76	15.481	2221	2227	2231	rBV3	7034	12990	3.27%	0.284%
77	15.664	2252	2257	2263	rBV2	3665	6369	1.60%	0.139%
78	15.834	2276	2285	2286	rBV5	2967	6775	1.70%	0.148%
79	15.956	2300	2305	2311	rVV2	4500	8203	2.06%	0.180%

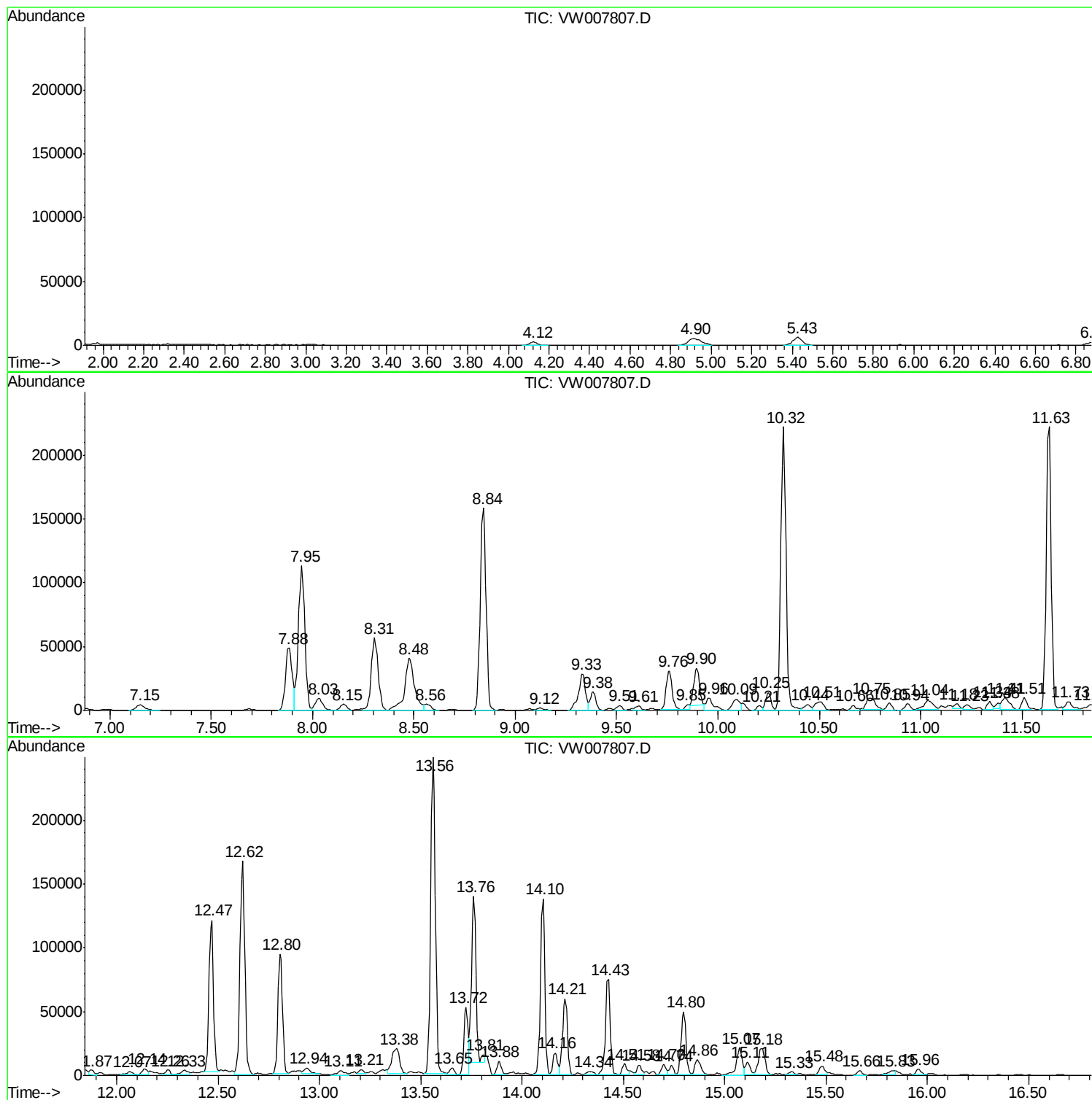
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

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



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Instrument :
MSVOA_W
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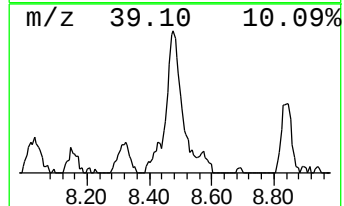
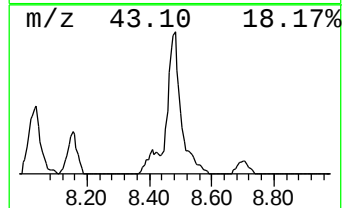
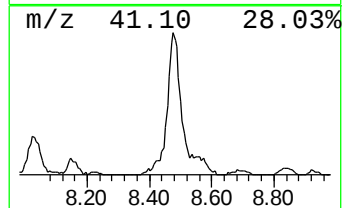
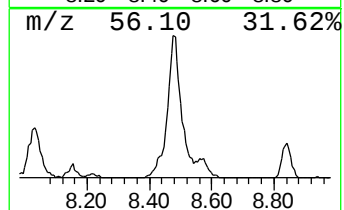
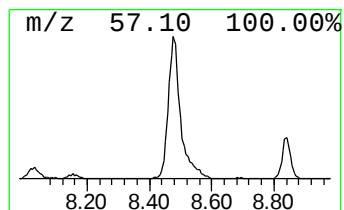
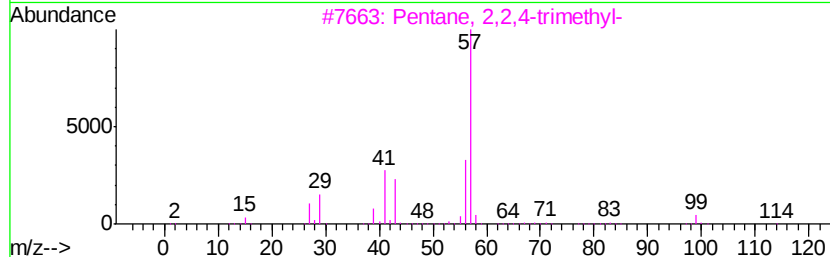
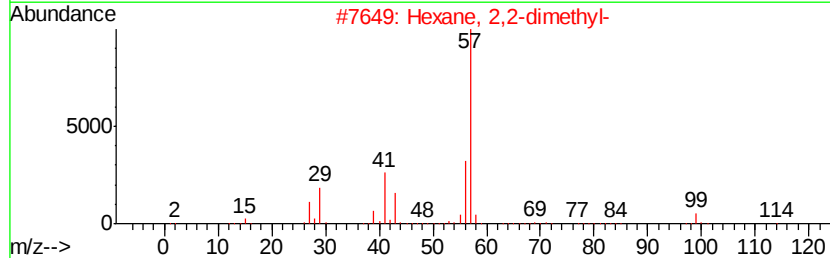
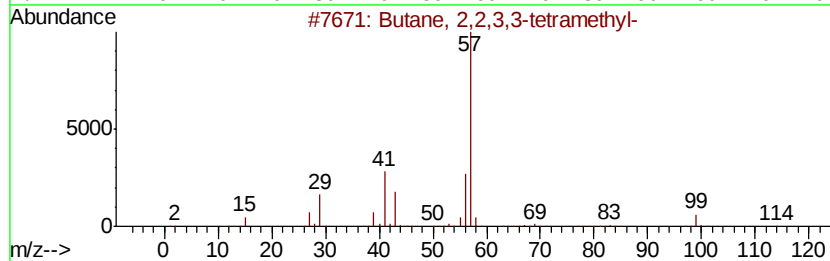
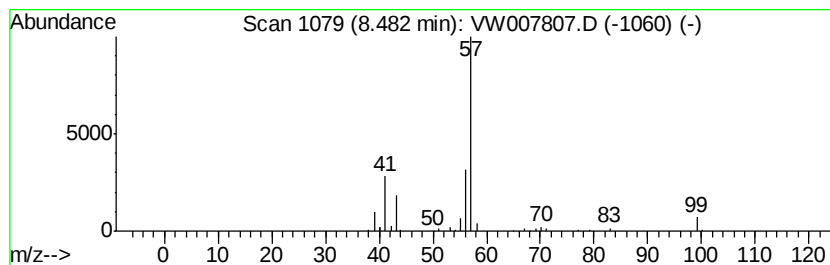
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	22.04 ug/l	139585	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	59
4		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
5		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59



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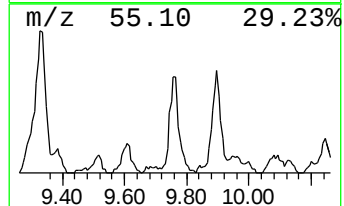
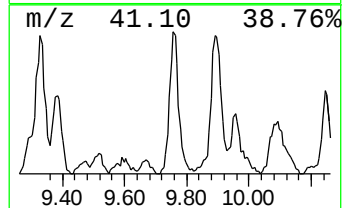
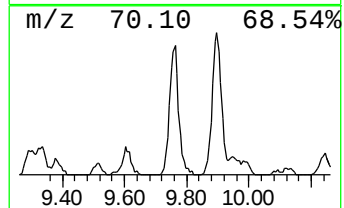
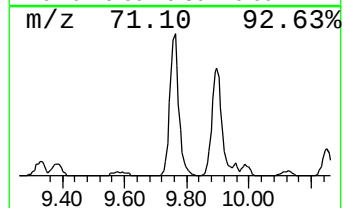
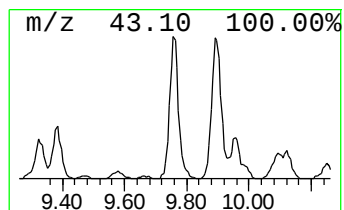
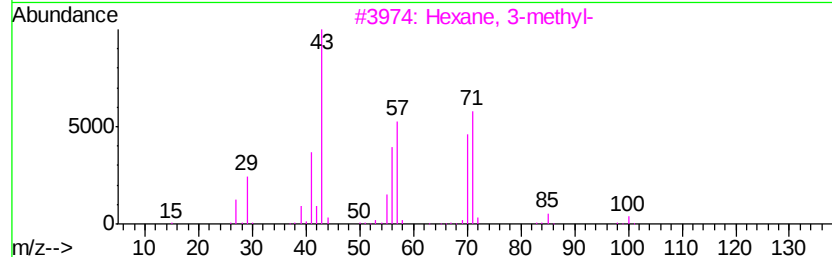
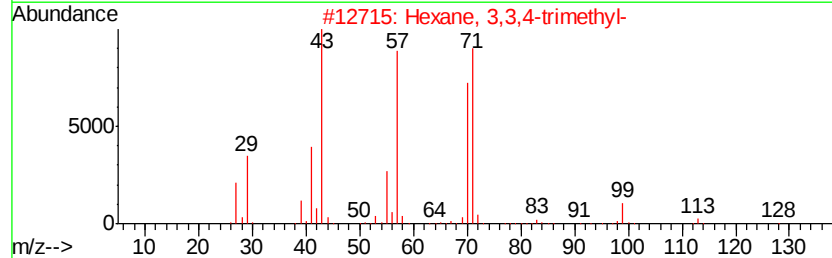
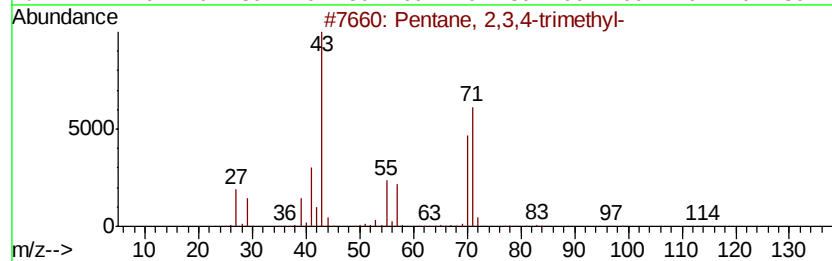
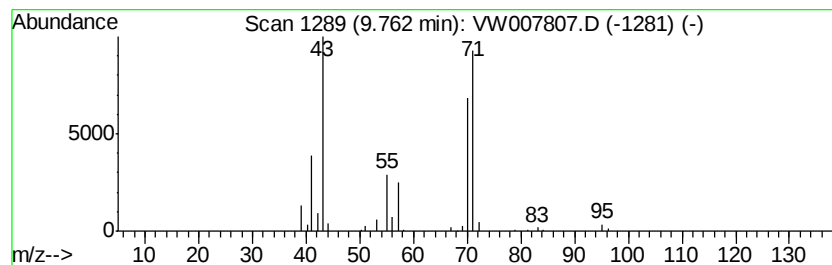
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	9.92 ug/l	62810	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
2		Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	78
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	78
4		Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
5		3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	74



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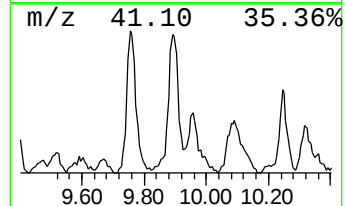
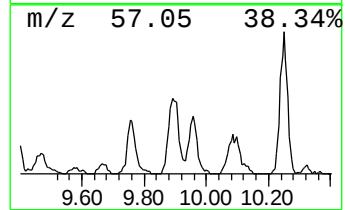
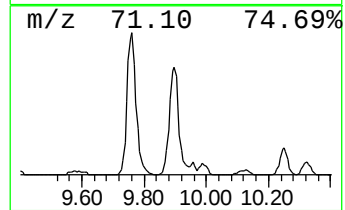
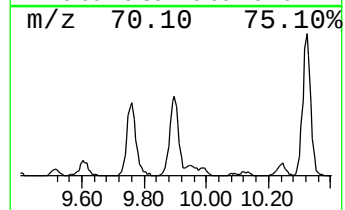
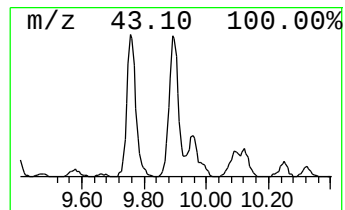
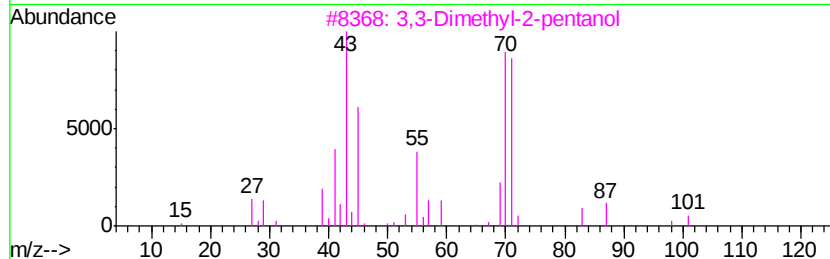
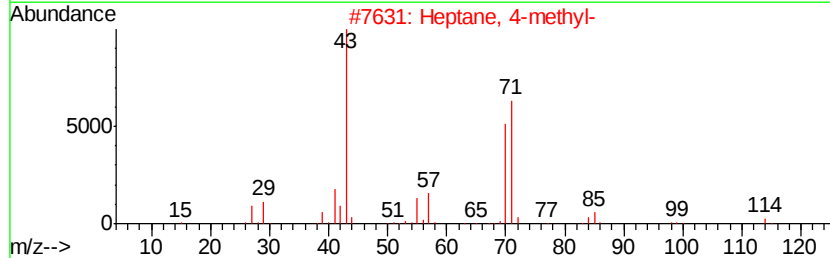
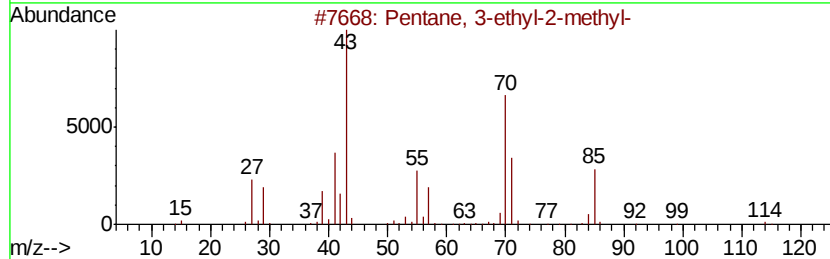
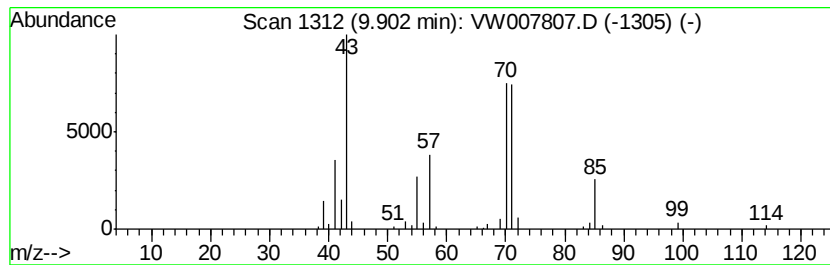
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

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

Peak Number 3 Pentane, 3-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	8.81 ug/l	55764	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	72
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3		3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	64
4		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64



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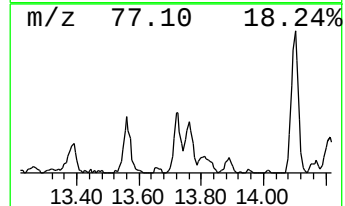
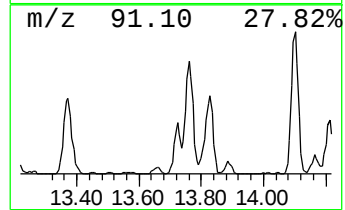
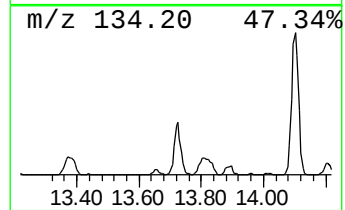
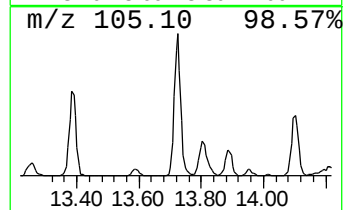
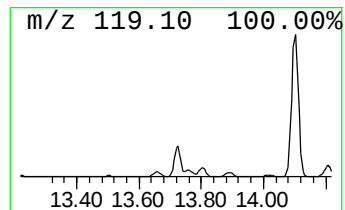
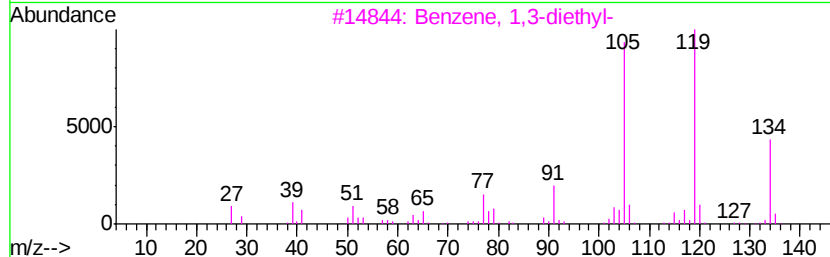
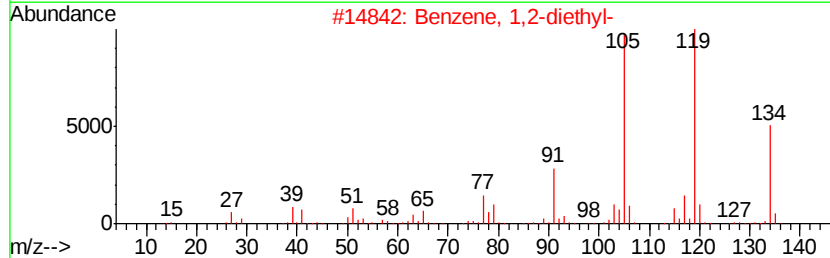
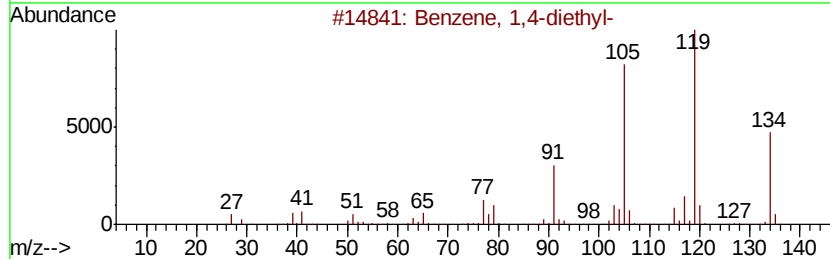
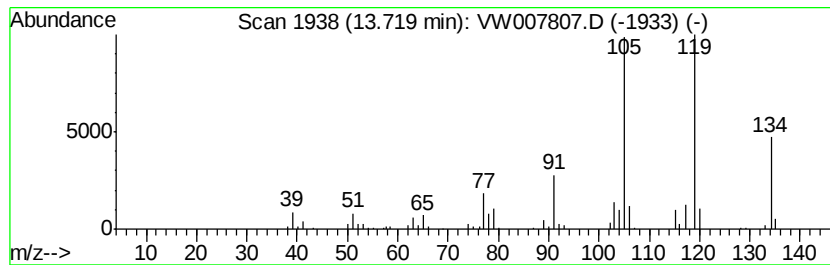
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1,4-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	9.96 ug/l	78955	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007807.D
Acq On : 21 Dec 2018 20:41
Operator : SY/AP
Sample : J6392-14
Misc : 6.51G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
KY001SB105-121218-(16-18)

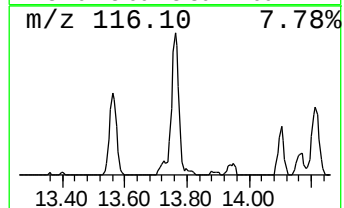
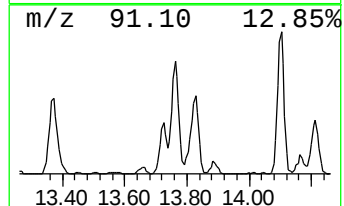
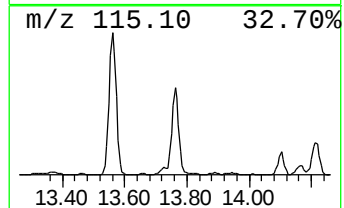
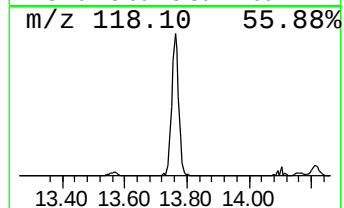
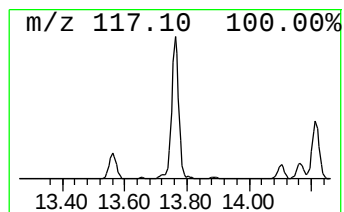
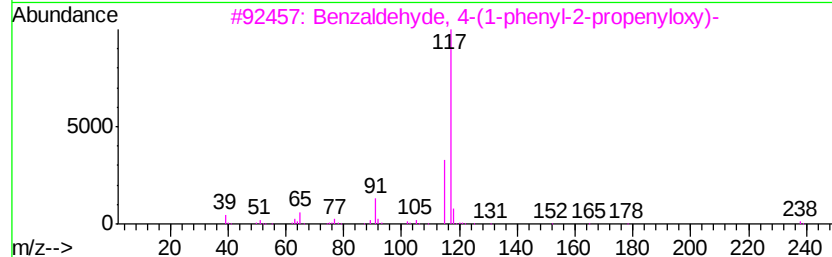
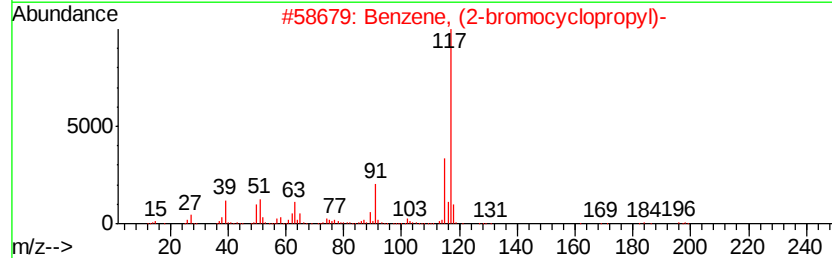
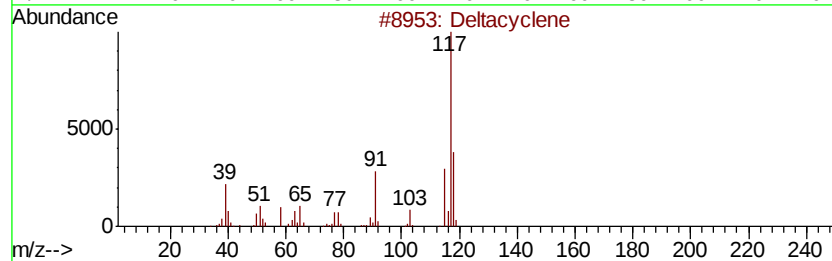
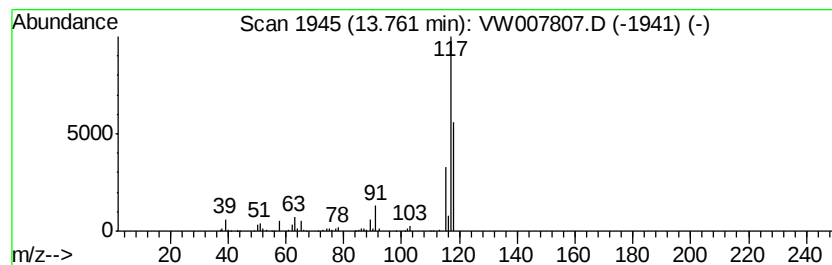
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Quant Title : SW846 8260

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

Peak Number 5 Deltacyclene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	24.75 ug/l	196215	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Deltacyclene	118	C9H10	007785-10-6	50
2		Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	45
3		Benzaldehyde, 4-(1-phenyl-2-propenyl)-	238	C16H14O2	1000277-56-1	42
4		Benzene, 1,1'-(1,5-hexadiene-1,6-diyl)-	234	C18H18	004439-45-6	40
5		trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	36



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007807.D
Acq On : 21 Dec 2018 20:41
Operator : SY/AP
Sample : J6392-14
Misc : 6.51G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
KY001SB105-121218-(16-18)

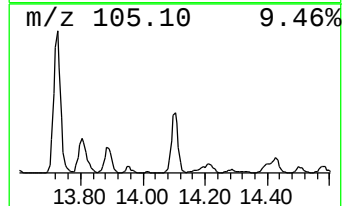
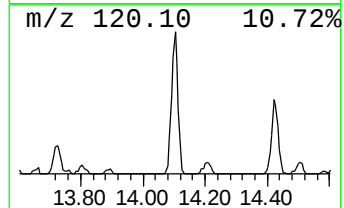
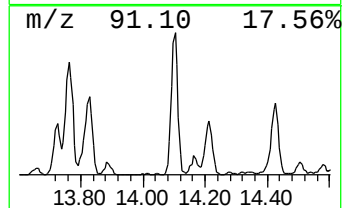
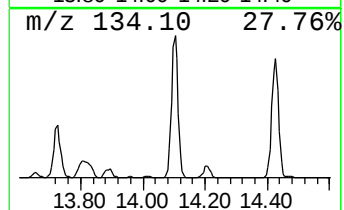
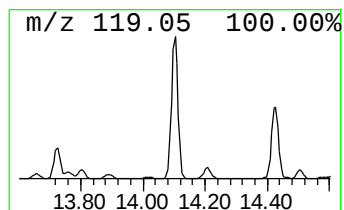
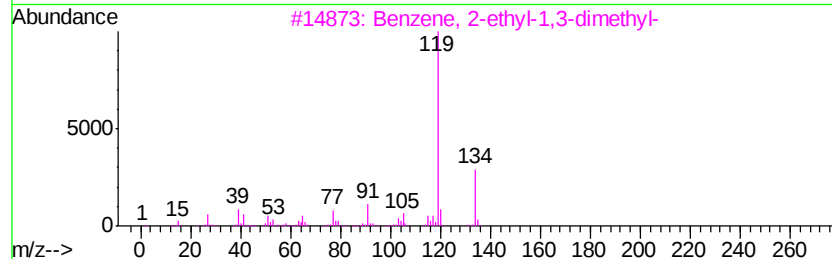
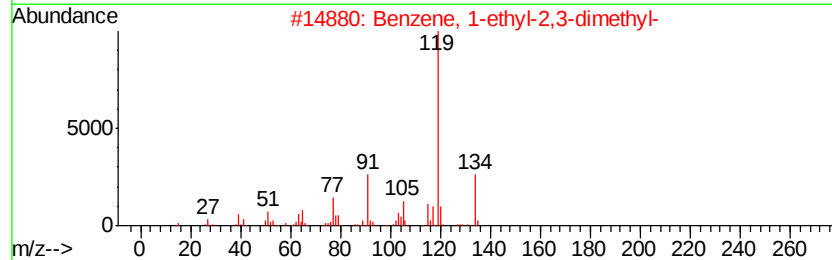
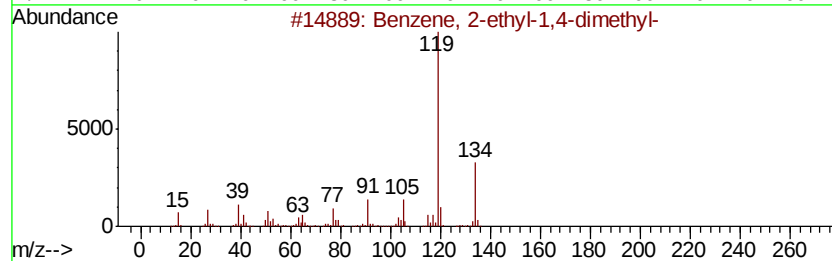
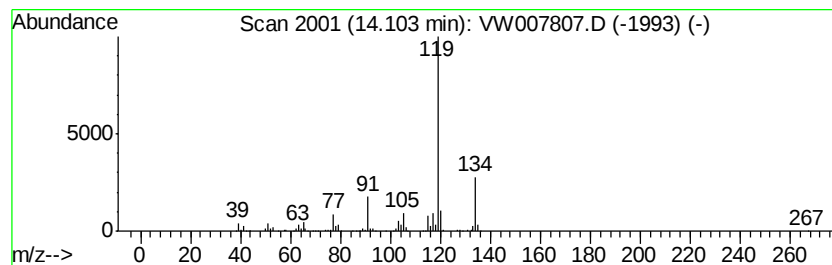
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	26.85 ug/l	212875	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5		o-Cymene	134	C10H14	000527-84-4	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007807.D
Acq On : 21 Dec 2018 20:41
Operator : SY/AP
Sample : J6392-14
Misc : 6.51G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

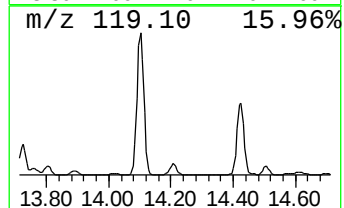
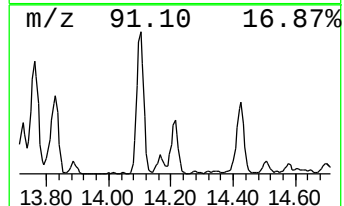
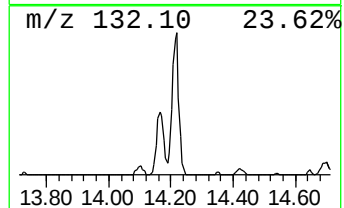
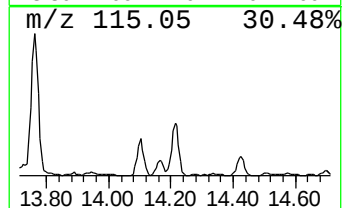
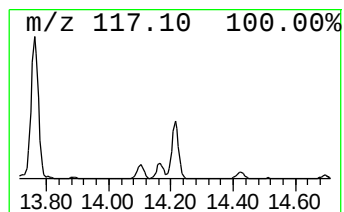
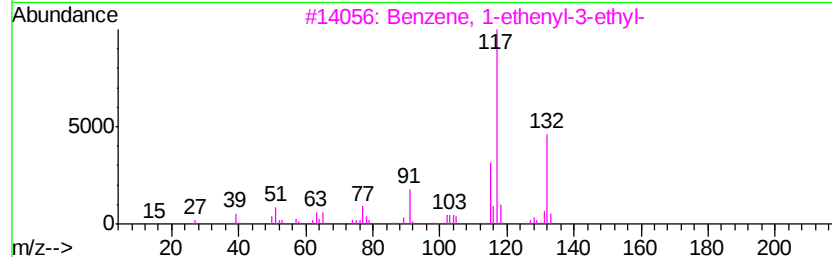
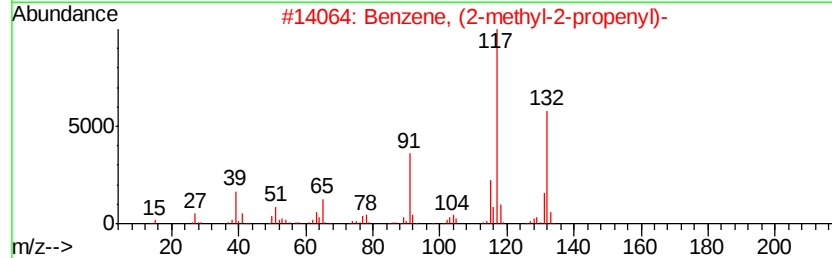
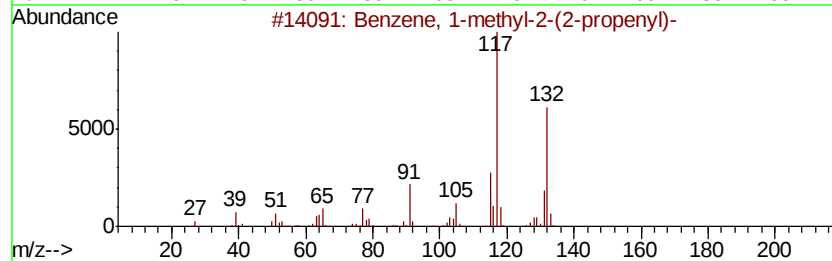
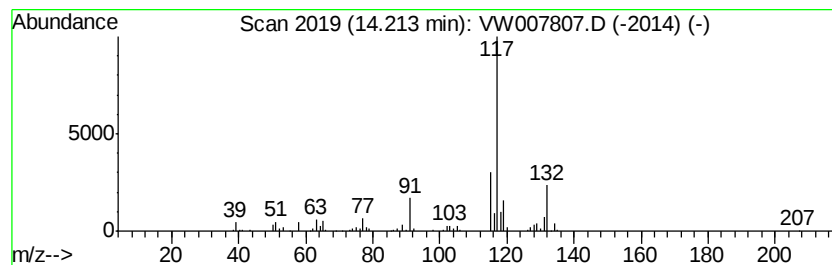
Instrument :
MSVOA_W
ClientSampleId :
KY001SB105-121218-(16-18)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-methyl-2-(2-prop... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	12.67 ug/l	100486	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8 87
2		Benzene, (2-methyl-2-propenyl)-	132 C10H12	003290-53-7 87
3		Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4 83
4		Indan, 1-methyl-	132 C10H12	000767-58-8 81
5		1H-Indene, 2,3-dihydro-2-methyl-	132 C10H12	000824-63-5 80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007807.D
Acq On : 21 Dec 2018 20:41
Operator : SY/AP
Sample : J6392-14
Misc : 6.51G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
KY001SB105-121218-(16-18)

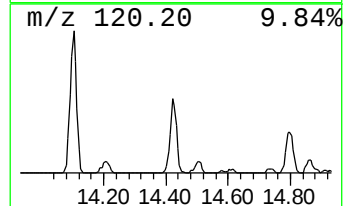
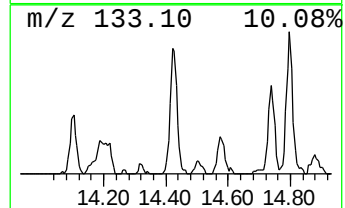
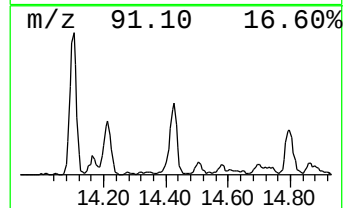
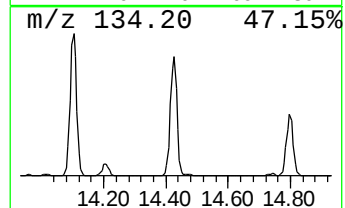
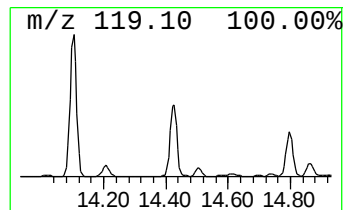
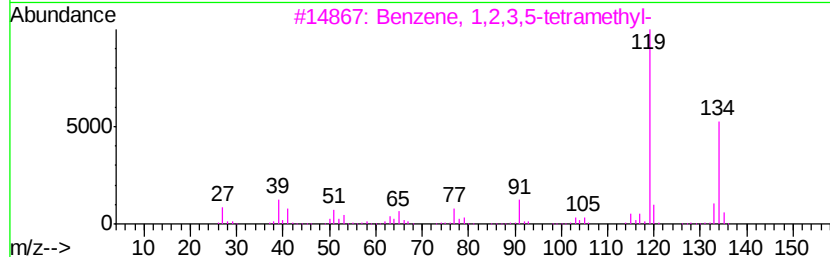
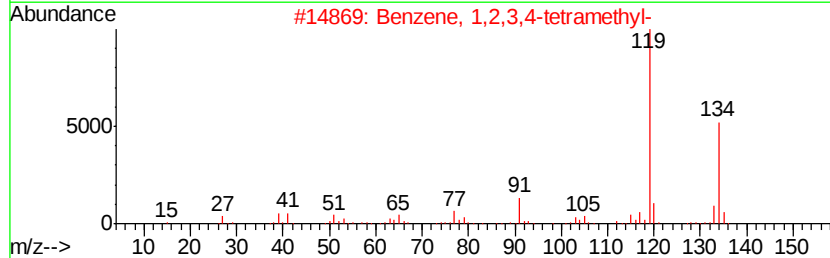
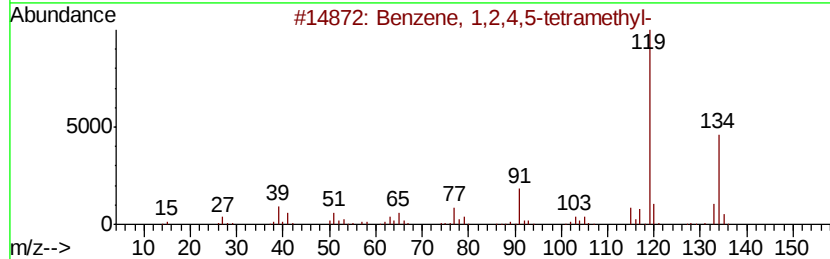
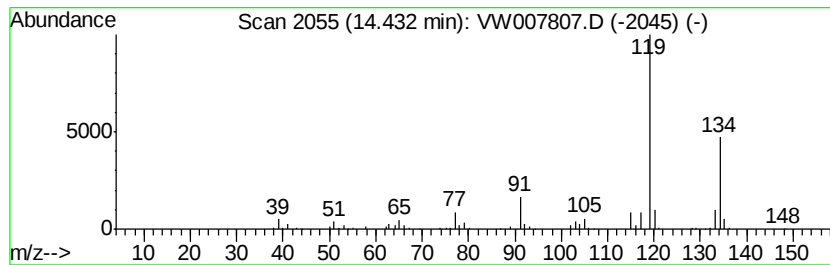
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	15.39 ug/l	121995	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007807.D
Acq On : 21 Dec 2018 20:41
Operator : SY/AP
Sample : J6392-14
Misc : 6.51G/5ML/MSVOA W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
KY001SB105-121218-(16-18)

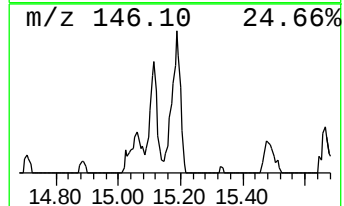
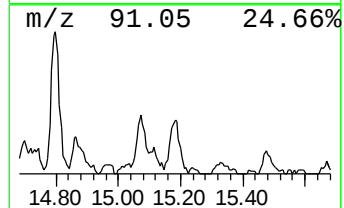
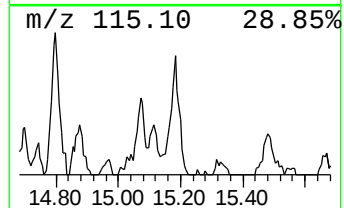
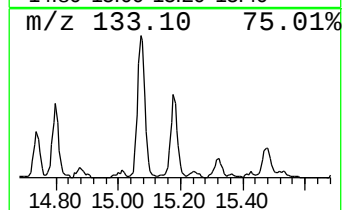
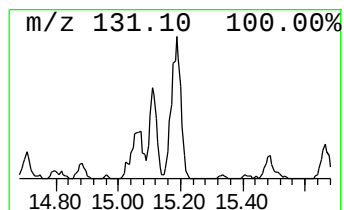
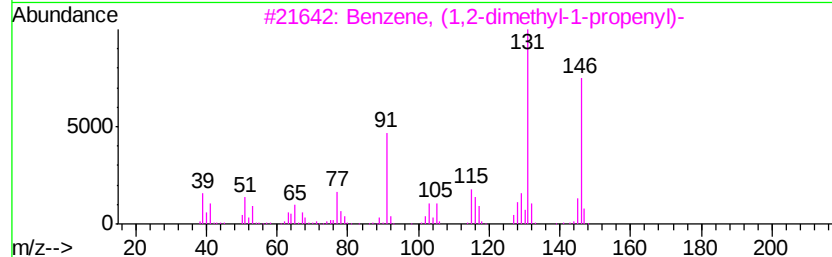
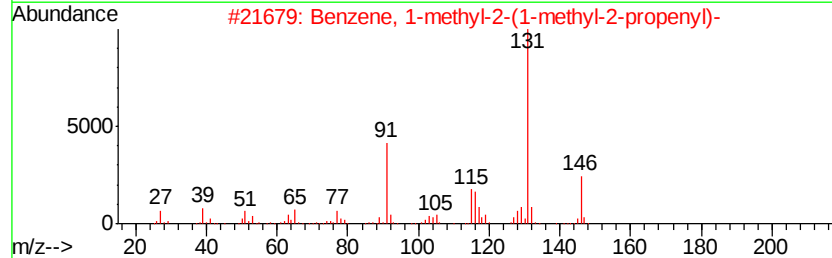
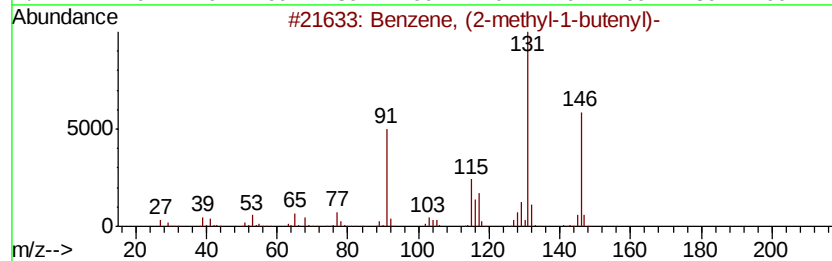
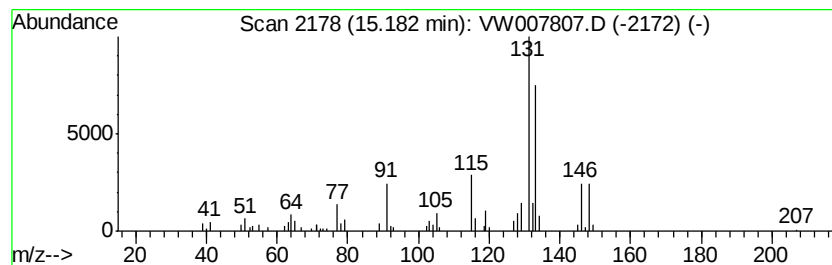
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, (2-methyl-1-butenyl)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	5.70 ug/l	45190	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55
2		Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	46
3		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	45
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	45
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122318\
Data File : VW007807.D
Acq On : 21 Dec 2018 20:41
Operator : SY/AP
Sample : J6392-14
Misc : 6.51G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
KY001SB105-121218-(16-18)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.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, 2,2,3,3-t...	8.48	22.0	ug/l	139585	2	8.84	316631	50.0
Pentane, 2,3,4-tr...	9.76	9.9	ug/l	62810	2	8.84	316631	50.0
Pentane, 3-ethyl-...	9.90	8.8	ug/l	55764	2	8.84	316631	50.0
Benzene, 1,4-diet...	13.72	10.0	ug/l	78955	4	13.56	396408	50.0
Deltacyclene	13.76	24.8	ug/l	196215	4	13.56	396408	50.0
Benzene, 2-ethyl-...	14.10	26.9	ug/l	212875	4	13.56	396408	50.0
Benzene, 1-methyl...	14.21	12.7	ug/l	100486	4	13.56	396408	50.0
Benzene, 1,2,4,5-...	14.43	15.4	ug/l	121995	4	13.56	396408	50.0
Benzene, (2-methy...	15.18	5.7	ug/l	45190	4	13.56	396408	50.0