

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061419\
 Data File : VW010814.D
 Acq On : 14 Jun 2019 15:09
 Operator : SY/VA
 Sample : K3393-01
 Misc : 6.17G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DRILLING-MUD

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\82W060419S.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	1.953	4	8	20	rVB2	18375	33529	4.41%	0.394%
2	2.318	63	68	77	rVB2	24779	43065	5.66%	0.506%
3	2.495	91	97	102	rBV	6547	10902	1.43%	0.128%
4	2.642	114	121	129	rVB5	7037	17652	2.32%	0.207%
5	3.385	235	243	254	rVB2	23569	57081	7.50%	0.671%
6	3.538	257	268	281	rBV	121217	291658	38.33%	3.428%
7	4.123	354	364	370	rBV	72436	192850	25.34%	2.267%
8	4.202	370	377	395	rVV	208035	584687	76.83%	6.872%
9	4.379	396	406	420	rVB2	22535	69635	9.15%	0.818%
10	4.916	483	494	510	rBV2	17975	63289	8.32%	0.744%
11	5.940	651	662	673	rVB	11966	35549	4.67%	0.418%
12	6.391	728	736	754	rVB4	10280	31033	4.08%	0.365%
13	7.171	848	864	878	rBV	83005	226657	29.78%	2.664%
14	7.500	910	918	934	rBV4	5946	23125	3.04%	0.272%
15	7.885	971	981	985	rBV	83459	191161	25.12%	2.247%
16	7.945	985	991	1001	rVB	252538	554816	72.91%	6.521%
17	8.305	1036	1050	1061	rBV	103953	238198	31.30%	2.800%
18	8.695	1107	1114	1120	rBV2	5669	13240	1.74%	0.156%
19	8.842	1129	1138	1149	rBV	385736	760980	100.00%	8.944%
20	9.079	1167	1177	1184	rBV8	6447	17349	2.28%	0.204%
21	9.427	1228	1234	1245	rVB	10335	21613	2.84%	0.254%
22	10.134	1339	1350	1356	rVB3	5434	11713	1.54%	0.138%
23	10.213	1356	1363	1370	rBV2	5923	12715	1.67%	0.149%
24	10.323	1372	1381	1388	rBV	341172	598102	78.60%	7.030%
25	10.390	1388	1392	1396	rVB	7353	11574	1.52%	0.136%
26	10.506	1405	1411	1414	rBV2	24427	43055	5.66%	0.506%
27	10.701	1438	1443	1449	rBV3	5058	10301	1.35%	0.121%
28	11.634	1588	1596	1606	rVV	415979	716588	94.17%	8.422%
29	11.841	1624	1630	1637	rBV5	10234	19520	2.57%	0.229%
30	12.164	1679	1683	1690	rVB7	4660	10802	1.42%	0.127%
31	12.256	1693	1698	1702	rBV6	4559	9678	1.27%	0.114%
32	12.378	1713	1718	1720	rBV6	4805	8840	1.16%	0.104%
33	12.469	1724	1733	1741	rVB	202513	361173	47.46%	4.245%
34	12.621	1751	1758	1766	rVV	183670	307215	40.37%	3.611%

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35	12.719	1769	1774	1781	rVB2	34038	57403	7.54%	0.675%
36	12.871	1792	1799	1802	rBV4	21318	50449	6.63%	0.593%
37	12.932	1806	1809	1818	rVB6	27707	66625	8.76%	0.783%
38	13.030	1819	1825	1829	rBV	227040	403876	53.07%	4.747%
39	13.109	1829	1838	1850	rVB3	144888	581816	76.46%	6.838%
40	13.213	1850	1855	1859	rBV	92679	139553	18.34%	1.640%
41	13.280	1859	1866	1871	rBV5	43259	84843	11.15%	0.997%
42	13.384	1879	1883	1888	rVB	90332	135616	17.82%	1.594%
43	13.469	1888	1897	1906	rVV6	50978	150993	19.84%	1.775%
44	13.560	1906	1912	1921	rVB	269256	446160	58.63%	5.244%
45	13.755	1940	1944	1947	rVB2	8470	10824	1.42%	0.127%
46	13.792	1947	1950	1959	rVB5	9573	18388	2.42%	0.216%
47	13.877	1959	1964	1971	rBV3	28880	53681	7.05%	0.631%
48	13.957	1972	1977	1981	rBV4	12697	27249	3.58%	0.320%
49	14.079	1994	1997	2004	rVB3	12057	30494	4.01%	0.358%
50	14.207	2013	2018	2023	rBV3	13188	24385	3.20%	0.287%
51	14.505	2063	2067	2070	rBV	11452	18016	2.37%	0.212%
52	14.731	2100	2104	2109	rVB3	26317	40941	5.38%	0.481%
53	14.798	2110	2115	2121	rBV5	17308	44205	5.81%	0.520%
54	14.963	2138	2142	2150	rVB4	16779	33748	4.43%	0.397%
55	15.072	2155	2160	2163	rBV5	18741	34339	4.51%	0.404%
56	15.182	2174	2178	2185	rVB6	12631	27202	3.57%	0.320%
57	15.255	2187	2190	2198	rVB8	8292	13953	1.83%	0.164%
58	15.334	2198	2203	2207	rBV4	9952	20834	2.74%	0.245%
59	15.475	2222	2226	2228	rBV3	13151	19887	2.61%	0.234%
60	15.560	2236	2240	2246	rVB	39324	65038	8.55%	0.764%
61	15.664	2250	2257	2262	rVB7	15502	36869	4.84%	0.433%
62	15.871	2286	2291	2299	rVB	34424	65709	8.63%	0.772%
63	15.956	2301	2305	2311	rBV8	6245	14982	1.97%	0.176%
64	16.182	2333	2342	2347	rBV7	16347	40121	5.27%	0.472%
65	16.383	2369	2375	2381	rVV2	26012	56573	7.43%	0.665%
66	16.444	2381	2385	2390	rVV4	12651	29616	3.89%	0.348%
67	16.505	2390	2395	2401	rVB2	22703	43199	5.68%	0.508%
68	16.663	2413	2421	2426	rBV8	7160	21449	2.82%	0.252%

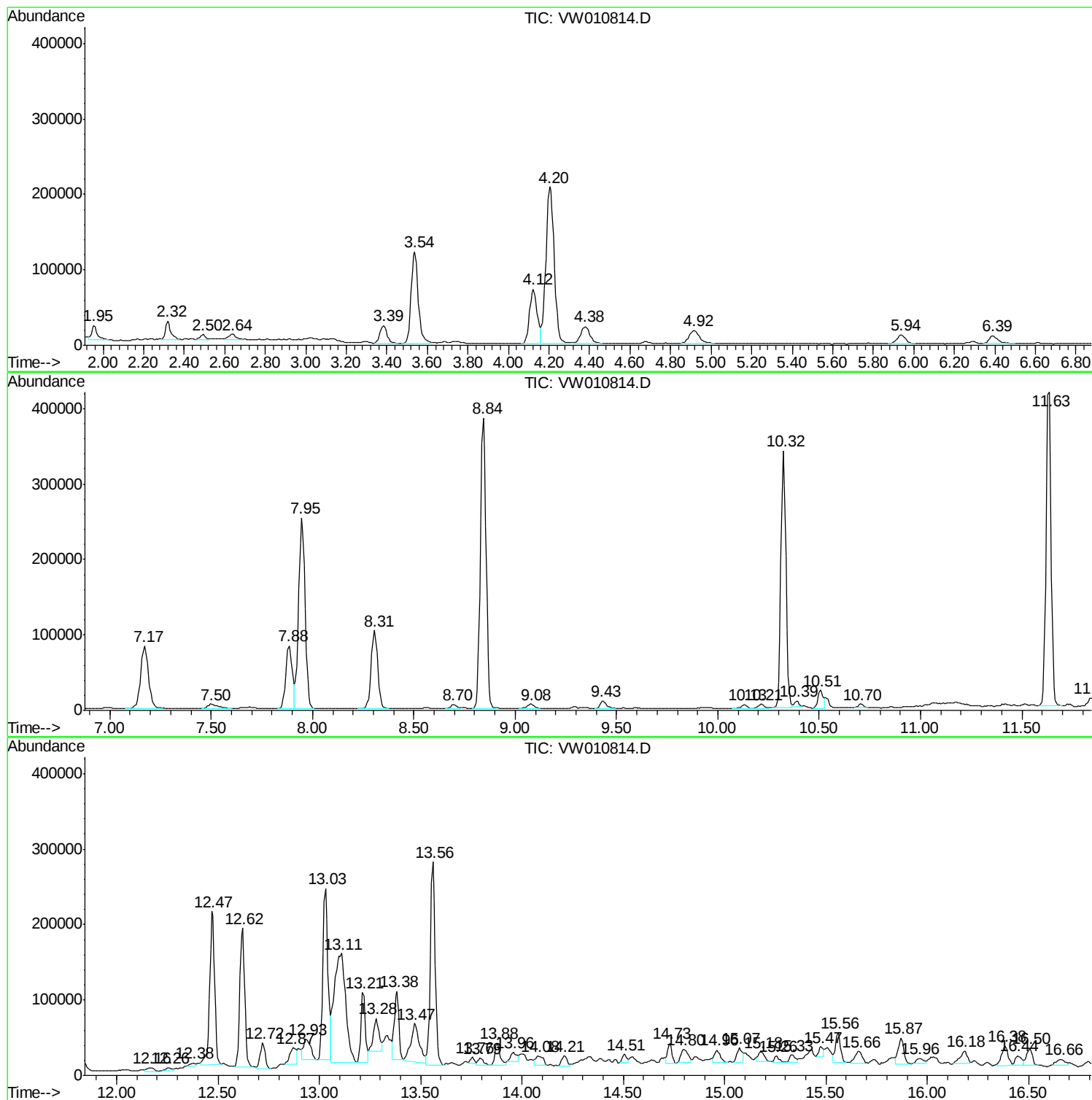
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

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



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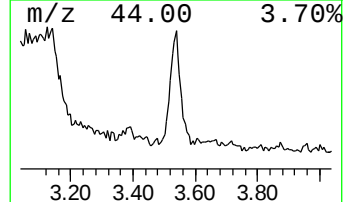
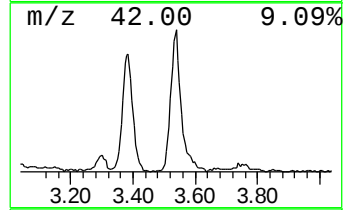
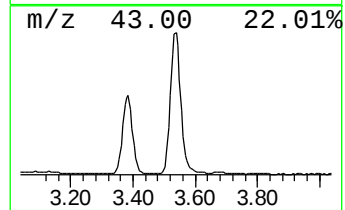
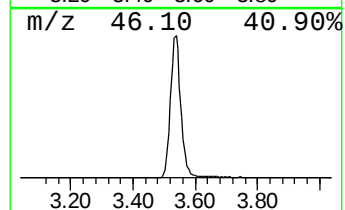
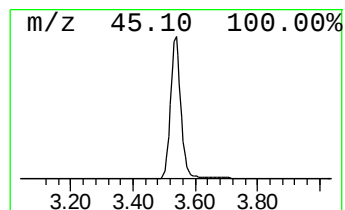
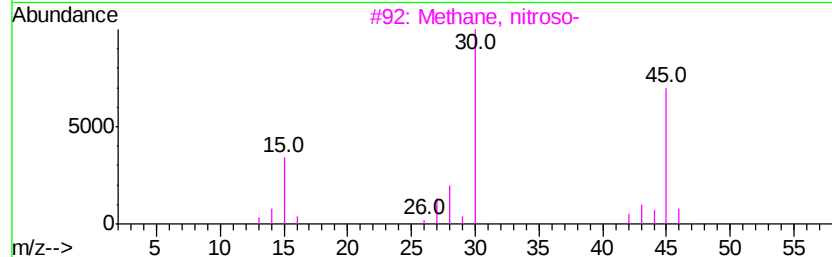
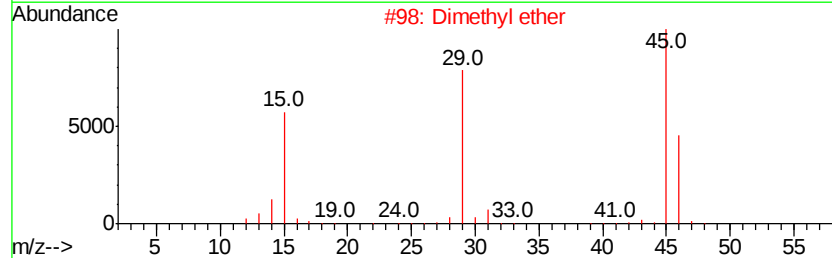
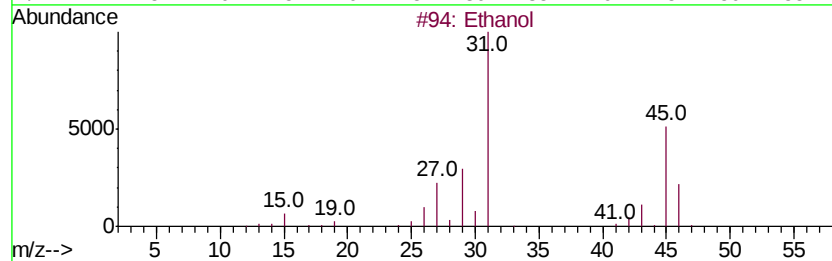
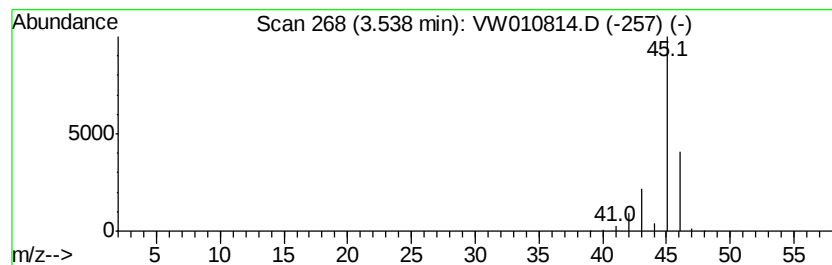
Instrument :
MSVOA_W
ClientSampleId :
DRILLING-MUD

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

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

Peak Number 1 Ethanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
3.54	26.28 ug/l	291658	Pentafluorobenzene	7.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol		46	C2H6O	000064-17-5	74
2	Dimethyl ether		46	C2H6O	000115-10-6	9
3	Methane, nitroso-		45	CH3NO	000865-40-7	4
4	Formic acid		46	CH2O2	000064-18-6	4
5	Oxalic acid		90	C2H2O4	000144-62-7	4



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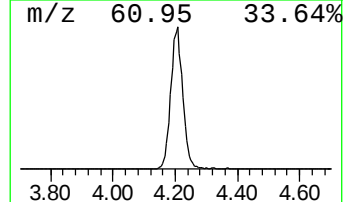
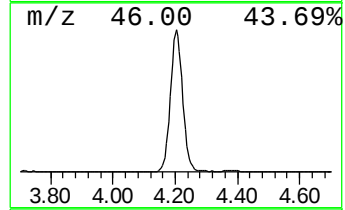
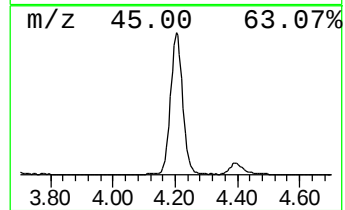
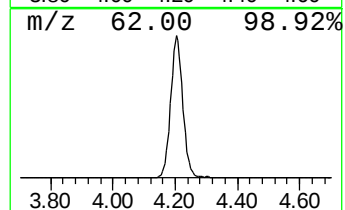
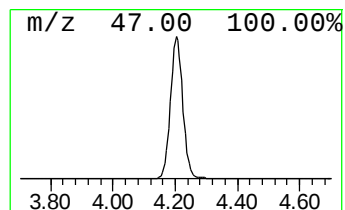
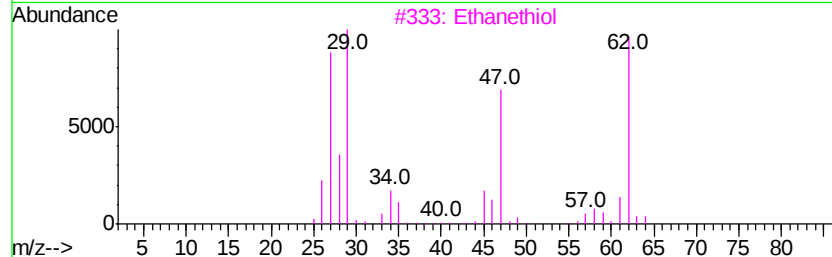
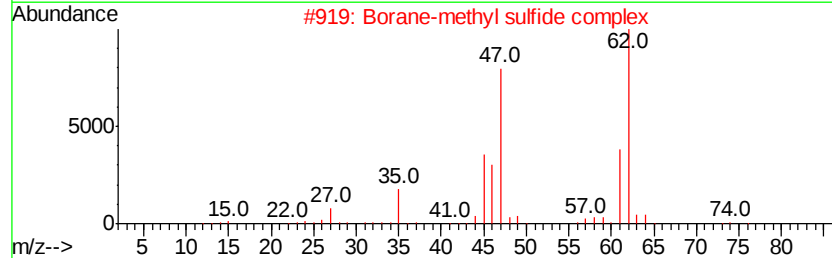
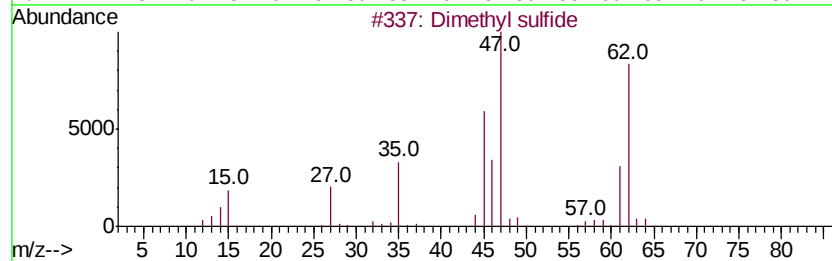
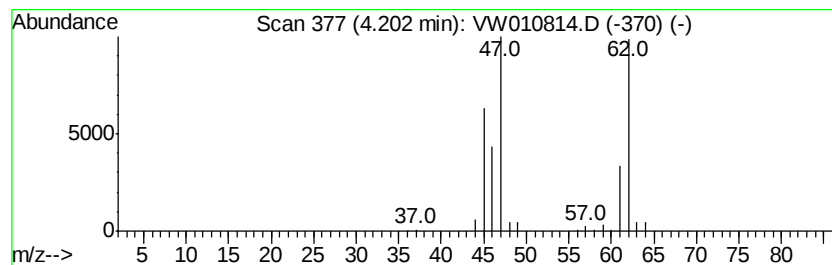
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260

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

 Peak Number 2 Dimethyl sulfide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.20	52.69 ug/l	584687	Pentafluorobenzene	7.95

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dimethyl sulfide	62	C2H6S	000075-18-3	94
2		Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	83
3		Ethanethiol	62	C2H6S	000075-08-1	72
4		Ethene, chloro-	62	C2H3Cl	000075-01-4	9
5		Boric acid	62	BH3O3	010043-35-3	5



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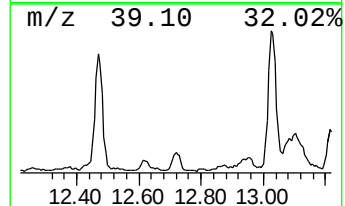
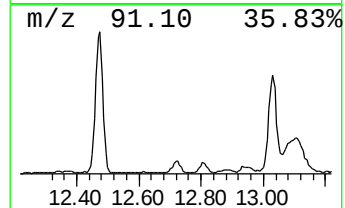
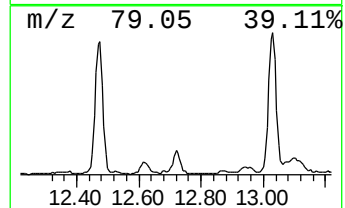
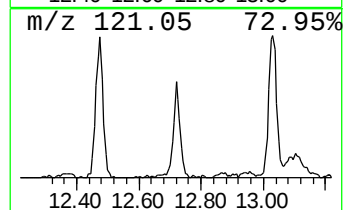
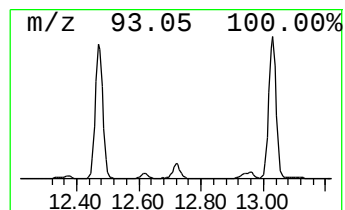
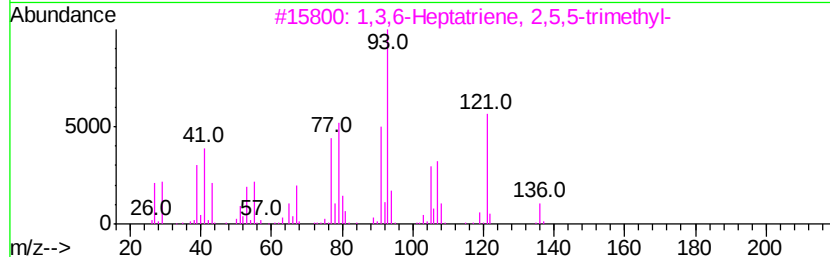
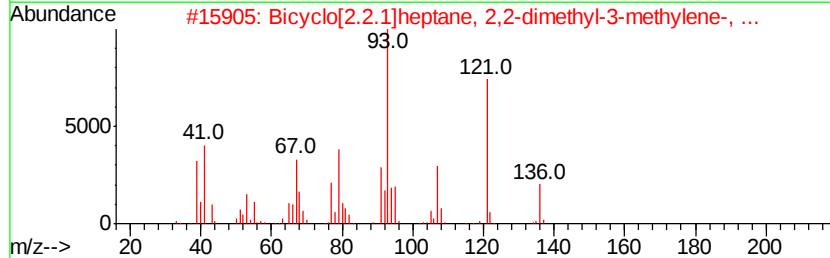
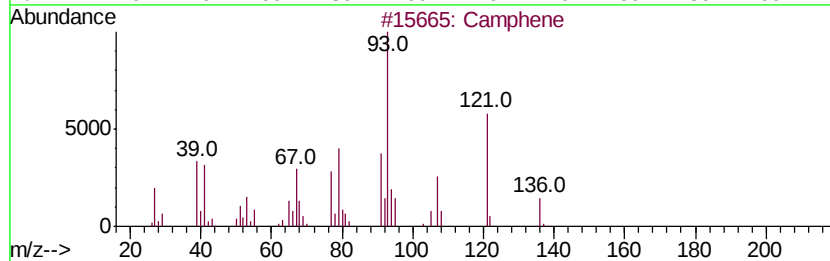
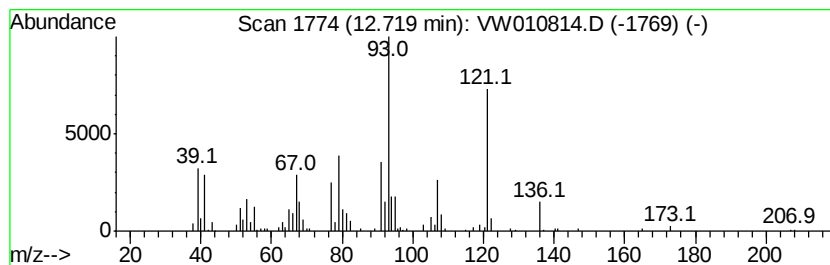
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Camphene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	6.43 ug/l	57403	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Camphene	136	C10H16	000079-92-5	97
2		Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	97
3		1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	91
4		Cyclohexene, 3-methyl-6-(1-methyl...	136	C10H16	000586-63-0	90
5		Santolina triene	136	C10H16	002153-66-4	86



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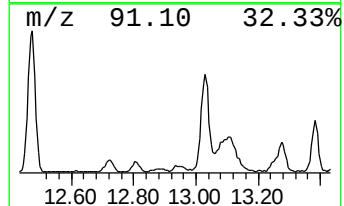
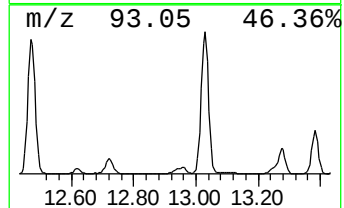
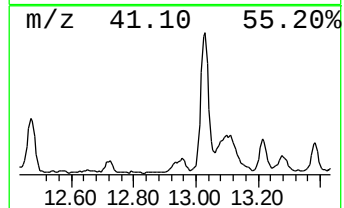
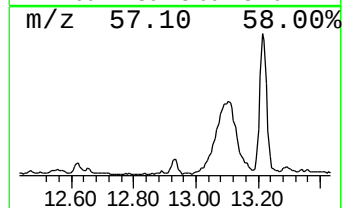
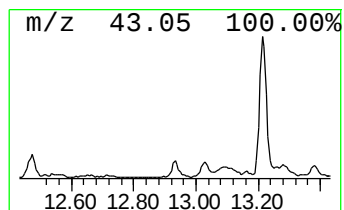
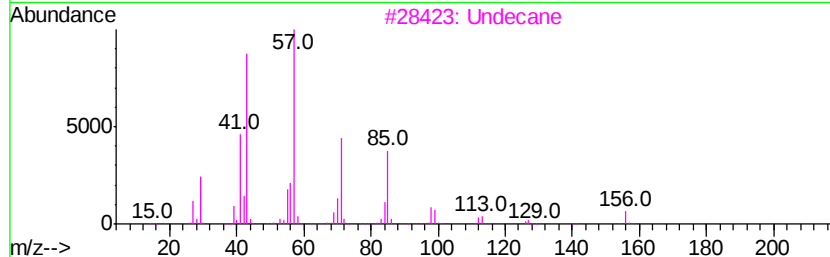
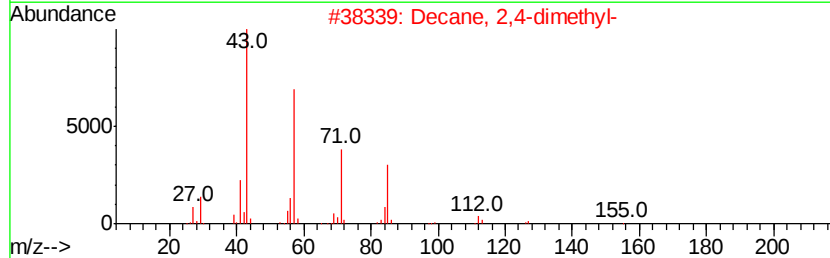
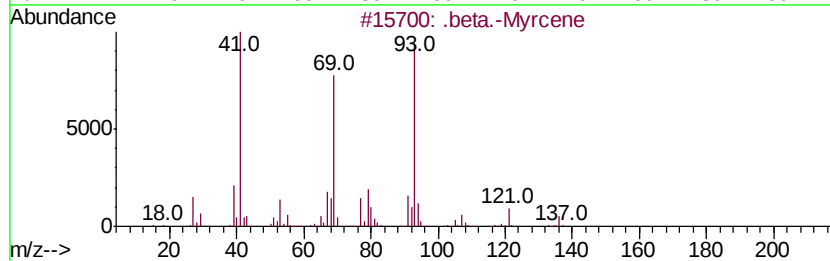
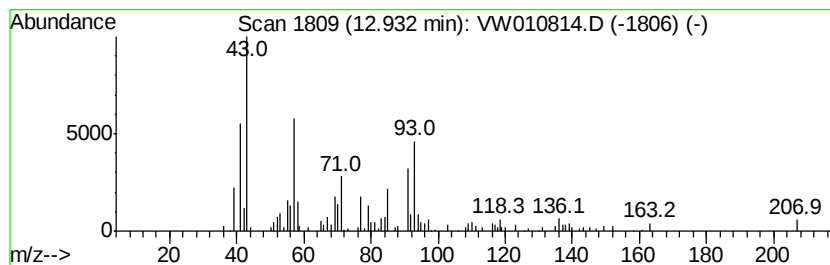
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
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Peak Number 4 unknown12.93 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	7.47 ug/l	66625	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-Myrcene	136	C10H16	000123-35-3	27
2		Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	22
3		Undecane	156	C11H24	001120-21-4	22
4		3-Cyclohexene-1-methanol, .alpha...	196	C12H20O2	000080-26-2	22
5		Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	22



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Misc : 6.17G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

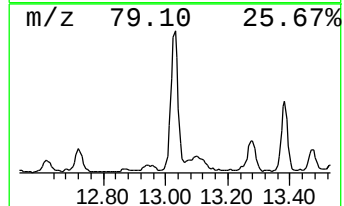
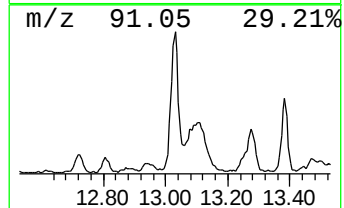
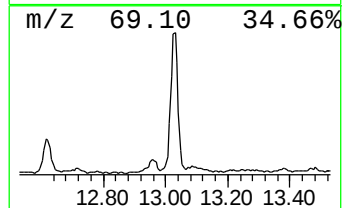
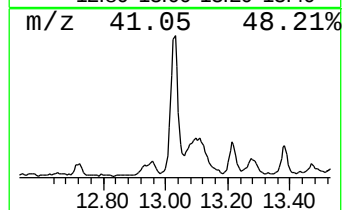
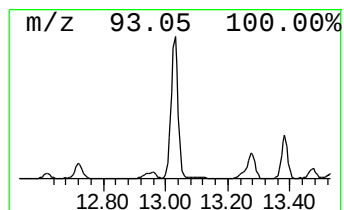
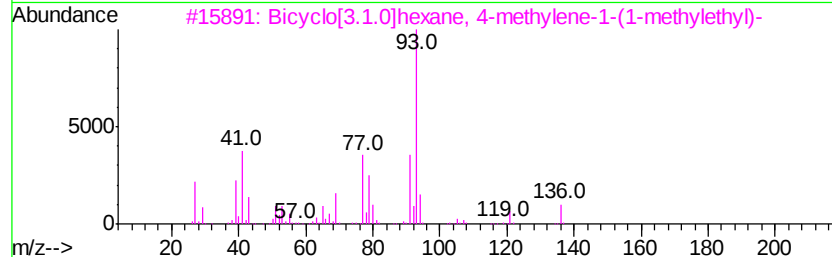
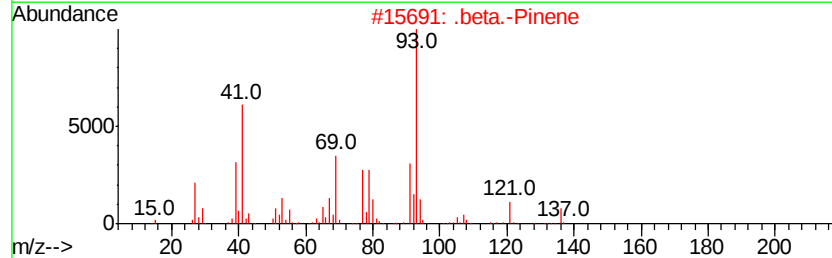
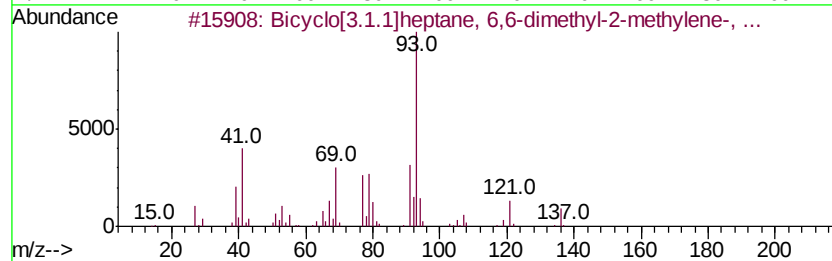
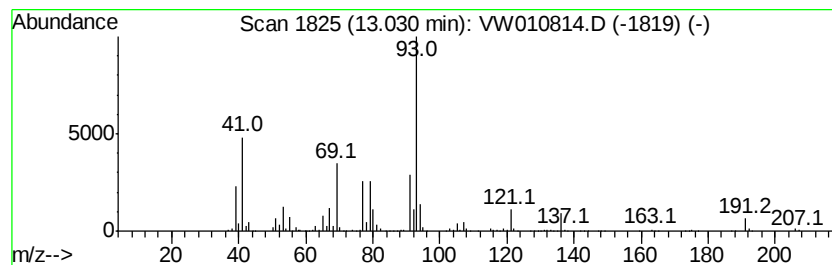
Instrument :
MSVOA_W
ClientSampleId :
DRILLING-MUD

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

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

Peak Number 5 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	45.26 ug/l	403876	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Bicyclo[3.1.1]heptane, 6,6-dimet...	136 C10H16	018172-67-3 97
2		.beta.-Pinene	136 C10H16	000127-91-3 96
3		Bicyclo[3.1.0]hexane, 4-methylen...	136 C10H16	003387-41-5 91
4		(1R)-2,6,6-Trimethylbicyclo[3.1....	136 C10H16	007785-70-8 90
5		.alpha.-Pinene	136 C10H16	000080-56-8 87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061419\
Data File : VW010814.D
Acq On : 14 Jun 2019 15:09
Operator : SY/VA
Sample : K3393-01
Misc : 6.17G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DRILLING-MUD

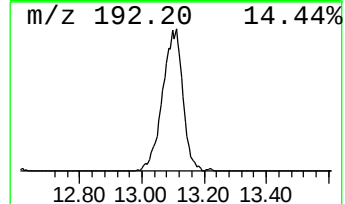
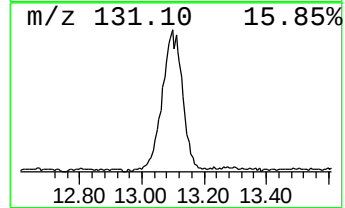
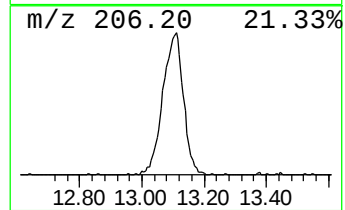
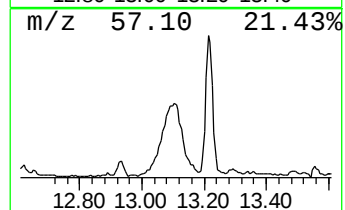
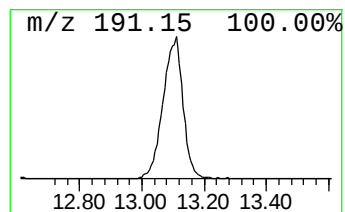
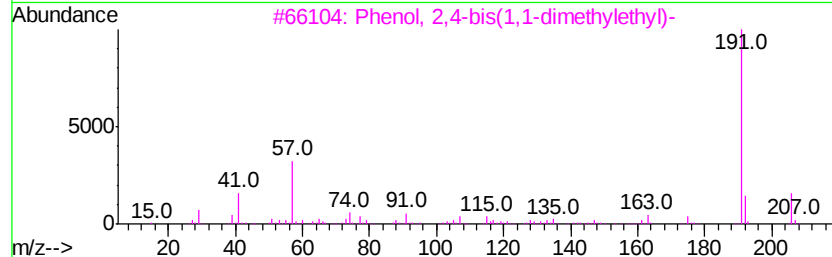
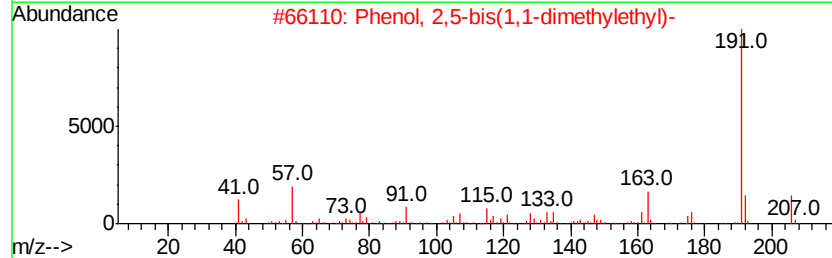
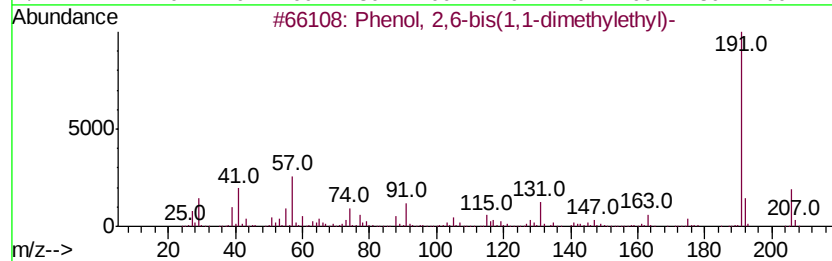
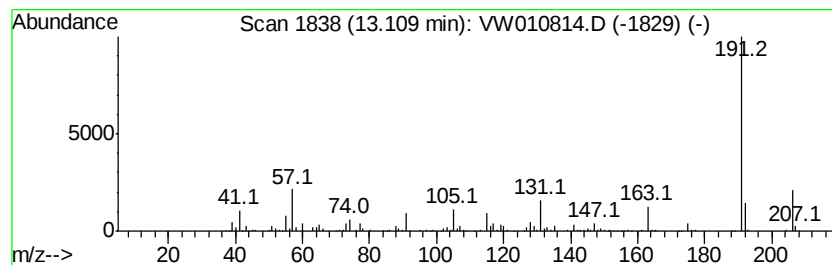
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

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

Peak Number 6 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	65.20 ug/l	581816	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol,	2,6-bis(1,1-dimethylethyl)-	206	C14H22O	000128-39-2	87
2	Phenol,	2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	83
3	Phenol,	2,4-bis(1,1-dimethylethyl)-	206	C14H22O	000096-76-4	72
4	Phenol,	3,5-bis(1,1-dimethylethyl)-	206	C14H22O	001138-52-9	72
5	4'-Diethylaminoacetanilide		206	C12H18N2O	005326-57-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061419\
 Data File : VW010814.D
 Acq On : 14 Jun 2019 15:09
 Operator : SY/VA
 Sample : K3393-01
 Misc : 6.17G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DRILLING-MUD

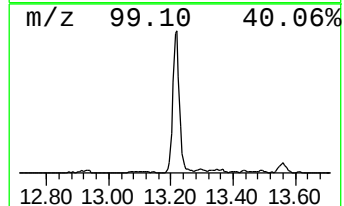
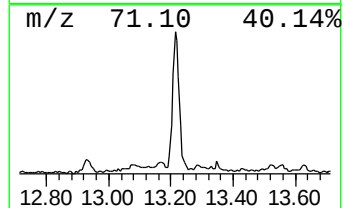
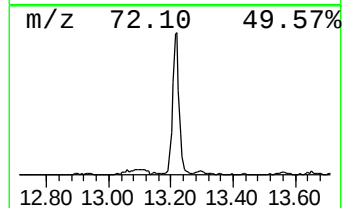
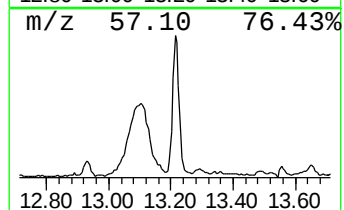
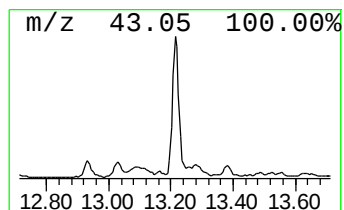
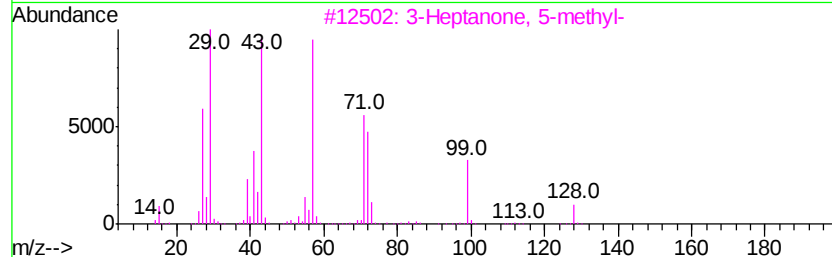
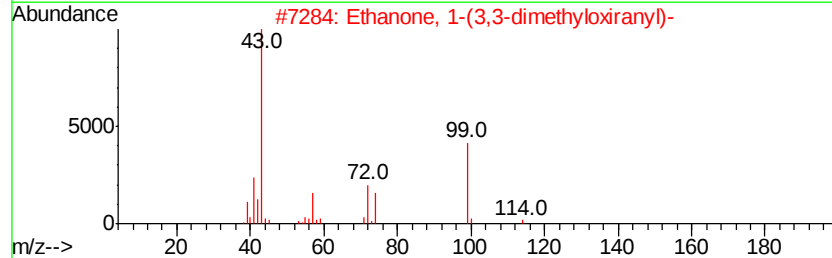
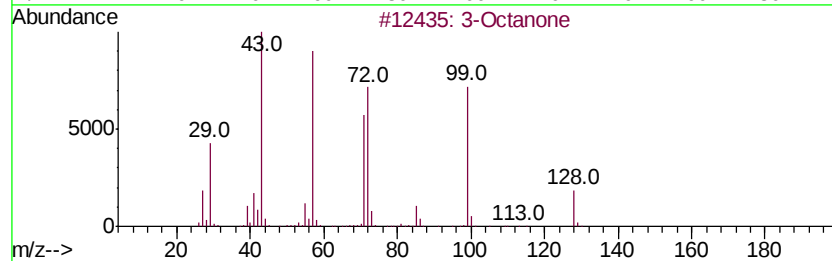
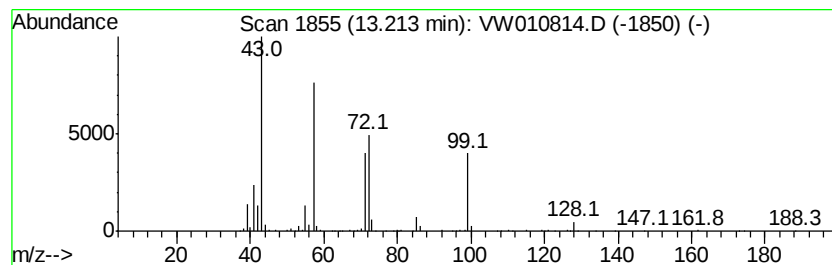
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 Quant Title : SW846 8260

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

 Peak Number 7 3-Octanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	15.64 ug/l	139553	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Octanone	128	C8H16O	000106-68-3	87
2		Ethanone, 1-(3,3-dimethyloxiranyl)-	114	C6H10O2	004478-63-1	50
3		3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	50
4		3-Octanone, 2-methyl-	142	C9H18O	000923-28-4	47
5		2-Pentene, 5-(pentyloxy)-, (E)-	156	C10H20O	056052-85-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061419\
Data File : VW010814.D
Acq On : 14 Jun 2019 15:09
Operator : SY/VA
Sample : K3393-01
Misc : 6.17G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DRILLING-MUD

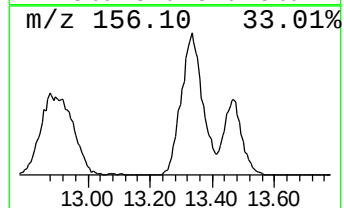
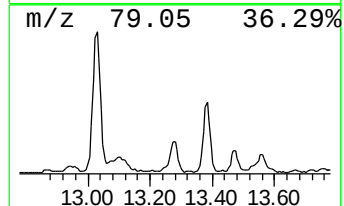
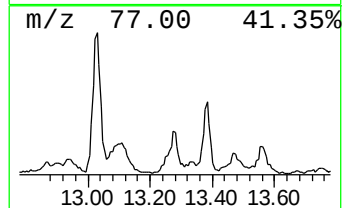
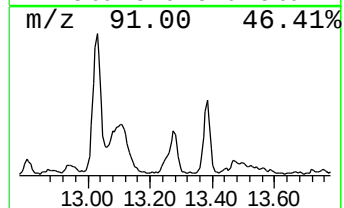
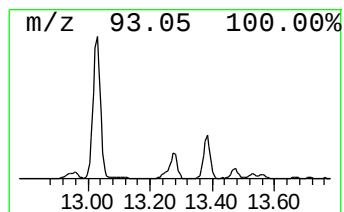
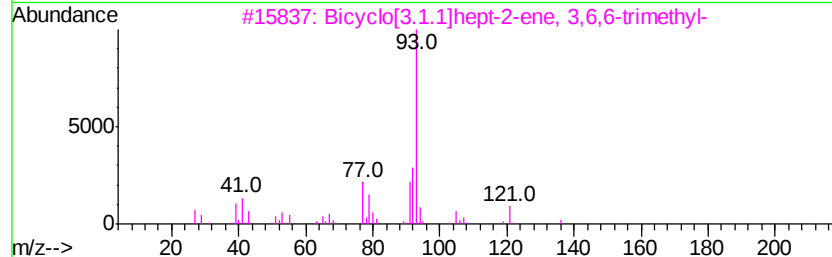
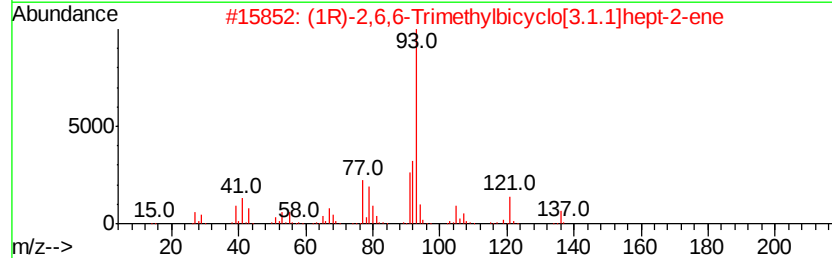
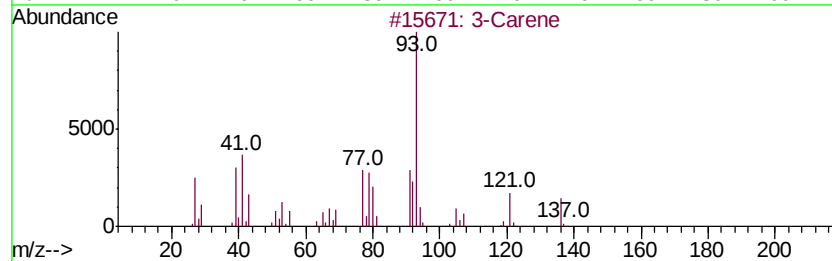
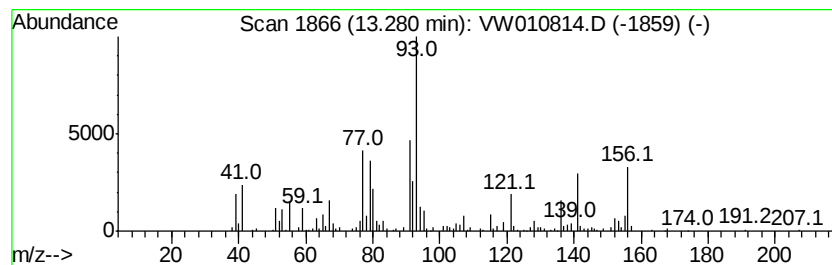
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Quant Title : SW846 8260

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

Peak Number 8 3-Carene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	9.51 ug/l	84843	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Carene	136	C10H16	013466-78-9	86
2		(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	76
3		Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	76
4		(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	76
5		.gamma.-Terpinene	136	C10H16	000099-85-4	76



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061419\
Data File : VW010814.D
Acq On : 14 Jun 2019 15:09
Operator : SY/VA
Sample : K3393-01
Misc : 6.17G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DRILLING-MUD

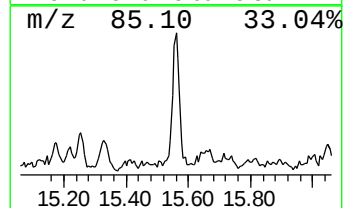
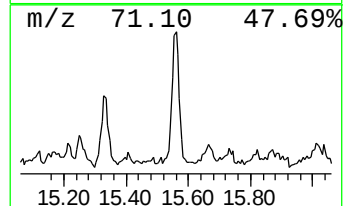
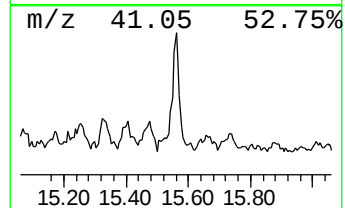
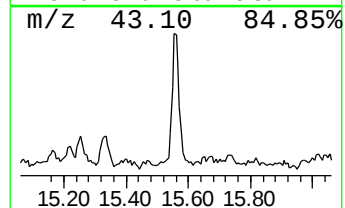
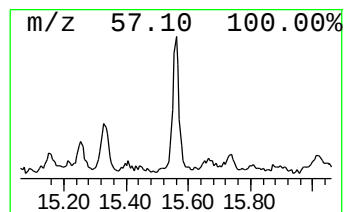
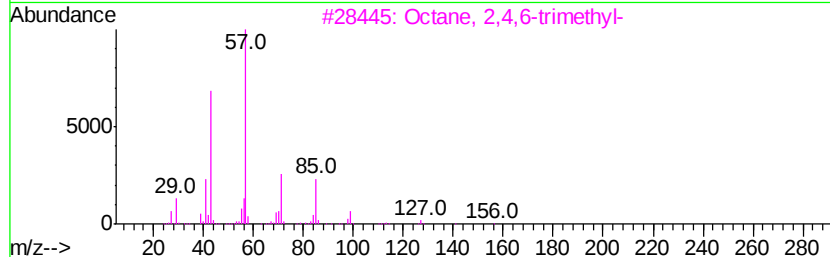
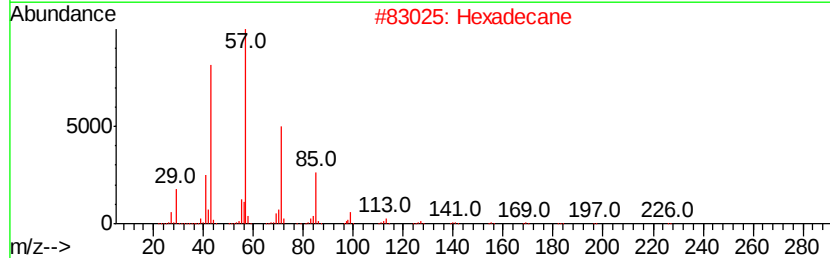
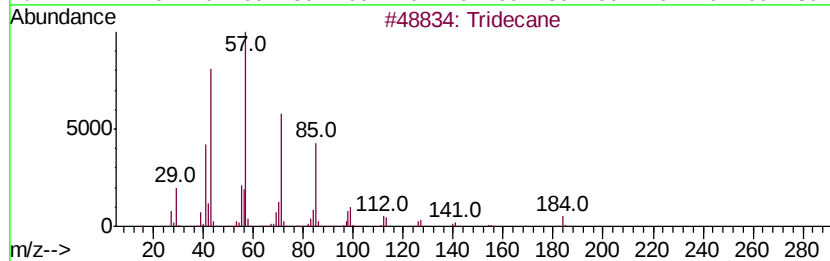
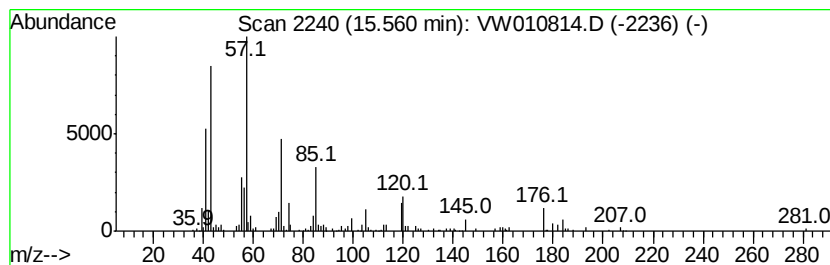
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

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

Peak Number 9 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	7.29 ug/l	65038	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	68
2	Hexadecane		226	C16H34	000544-76-3	52
3	Octane, 2,4,6-trimethyl-		156	C11H24	062016-37-9	52
4	1-Iodoundecane		282	C11H23I	004282-44-4	49
5	3-Methyl-4-(methoxycarbonyl)hexa...		184	C9H12O4	1000104-10-8	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW061419\
Data File : VW010814.D
Acq On : 14 Jun 2019 15:09
Operator : SY/VA
Sample : K3393-01
Misc : 6.17G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DRILLING-MUD

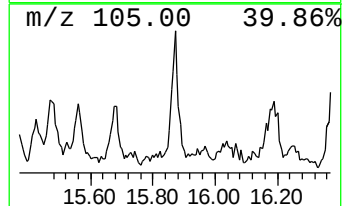
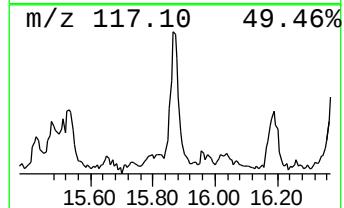
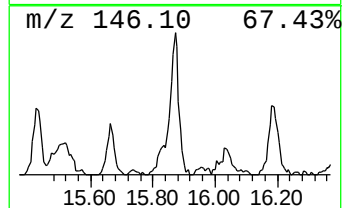
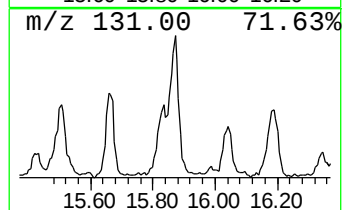
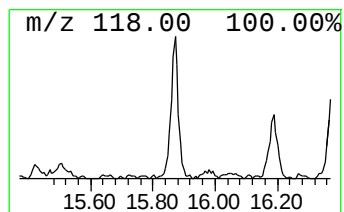
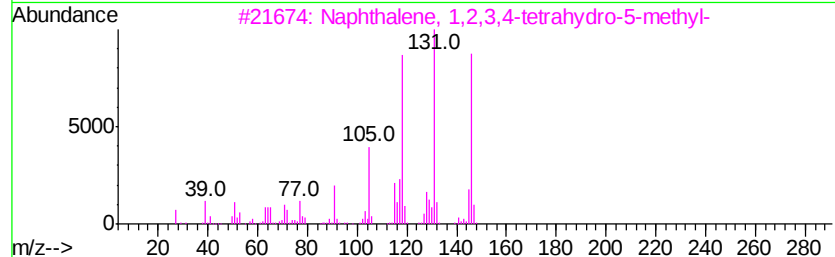
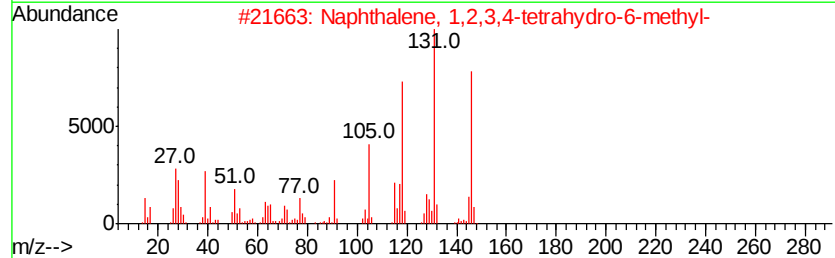
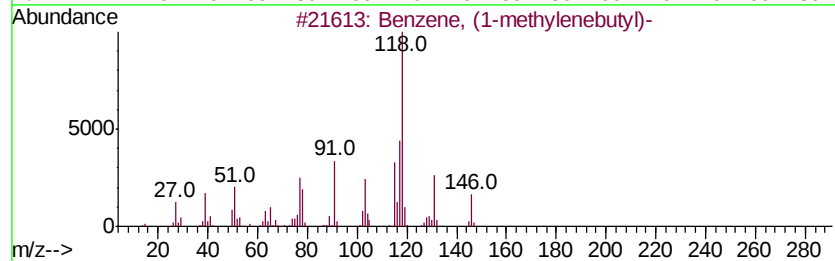
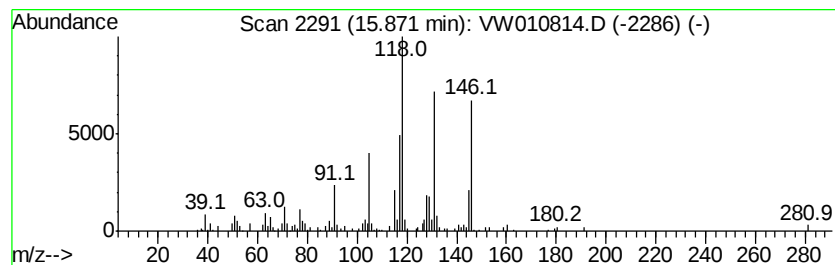
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, (1-methylenebutyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	7.36 ug/l	65709	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	64
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	62
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	53
4		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	52
5		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	45



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061419\
Data File : VW010814.D
Acq On : 14 Jun 2019 15:09
Operator : SY/VA
Sample : K3393-01
Misc : 6.17G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DRILLING-MUD

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.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
Ethanol	3.54	26.3	ug/l	291658	1	7.95	554816	50.0
Dimethyl sulfide	4.20	52.7	ug/l	584687	1	7.95	554816	50.0
Camphene	12.72	6.4	ug/l	57403	4	13.56	446160	50.0
unknown12.93	12.93	7.5	ug/l	66625	4	13.56	446160	50.0
Bicyclo[3.1.1]hep...	13.03	45.3	ug/l	403876	4	13.56	446160	50.0
Phenol, 2,6-bis(1...	13.11	65.2	ug/l	581816	4	13.56	446160	50.0
3-Octanone	13.21	15.6	ug/l	139553	4	13.56	446160	50.0
3-Carene	13.28	9.5	ug/l	84843	4	13.56	446160	50.0
Tridecane	15.56	7.3	ug/l	65038	4	13.56	446160	50.0
Benzene, (1-methy...	15.87	7.4	ug/l	65709	4	13.56	446160	50.0