

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063968.D
 Acq On : 15 Oct 2019 13:27
 Operator : VA/SY
 Sample : K5358-02
 Misc : 5.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20190897-AMENDED-COMP-KM-CA

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.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	2.497	93	98	105	rVB2	27483	47032	4.24%	0.272%
2	3.038	185	190	197	rBV7	11378	27395	2.47%	0.159%
3	3.402	249	252	260	rVB8	9032	15587	1.41%	0.090%
4	4.167	376	382	385	rBV	15715	31660	2.86%	0.183%
5	4.232	385	393	412	rVB2	171932	495807	44.74%	2.871%
6	4.402	412	422	432	rBV	59651	166524	15.03%	0.964%
7	5.249	558	566	578	rVB4	16622	61366	5.54%	0.355%
8	5.479	598	605	607	rBV6	10447	22939	2.07%	0.133%
9	6.932	849	852	857	rVB6	8570	12273	1.11%	0.071%
10	7.220	893	901	907	rBV8	11997	31364	2.83%	0.182%
11	7.732	979	988	996	rVB8	7188	21040	1.90%	0.122%
12	7.920	1009	1020	1025	rBV3	81593	206196	18.61%	1.194%
13	7.985	1025	1031	1039	rVV	221500	504570	45.53%	2.922%
14	8.067	1039	1045	1054	rVB2	42059	106564	9.62%	0.617%
15	8.196	1059	1067	1070	rVV4	6931	17005	1.53%	0.098%
16	8.249	1070	1076	1080	rVV7	11010	28285	2.55%	0.164%
17	8.338	1083	1091	1100	rVV	118092	281115	25.37%	1.628%
18	8.437	1100	1108	1115	rVV6	26361	80384	7.25%	0.465%
19	8.502	1115	1119	1128	rVV	24286	65933	5.95%	0.382%
20	8.602	1130	1136	1145	rVB3	32637	75822	6.84%	0.439%
21	8.867	1170	1181	1194	rBV	356135	746746	67.38%	4.324%
22	9.102	1212	1221	1225	rBV	103477	236166	21.31%	1.368%
23	9.326	1250	1259	1260	rBV2	89488	149705	13.51%	0.867%
24	9.408	1269	1273	1280	rVB3	57397	103792	9.37%	0.601%
25	9.543	1293	1296	1301	rVV5	16462	32524	2.93%	0.188%
26	9.626	1301	1310	1318	rVV2	94841	222256	20.05%	1.287%
27	9.702	1318	1323	1329	rVV7	13854	34381	3.10%	0.199%
28	9.779	1329	1336	1345	rVB4	56171	122789	11.08%	0.711%
29	9.914	1352	1359	1364	rBV2	72078	147873	13.34%	0.856%
30	9.967	1366	1368	1373	rVB4	20767	31012	2.80%	0.180%
31	10.067	1378	1385	1388	rBV4	71771	145485	13.13%	0.842%
32	10.143	1395	1398	1408	rVB7	29108	62191	5.61%	0.360%
33	10.226	1408	1412	1415	rBV5	28677	52345	4.72%	0.303%
34	10.267	1415	1419	1425	rVB3	72382	131732	11.89%	0.763%

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35	10.343	1425	1432	1440	rBV	617409	1108239	100.00%	6.418%
36	10.461	1447	1452	1455	rBV7	13842	22890	2.07%	0.133%
37	10.526	1455	1463	1471	rVB5	77322	210503	18.99%	1.219%
38	10.637	1471	1482	1486	rBV4	65795	150046	13.54%	0.869%
39	10.684	1486	1490	1494	rVB3	37820	60487	5.46%	0.350%
40	10.784	1500	1507	1511	rBV4	63903	135816	12.26%	0.786%
41	10.867	1517	1521	1526	rVB3	36159	57821	5.22%	0.335%
42	10.955	1530	1536	1542	rVB2	117274	202445	18.27%	1.172%
43	11.061	1543	1554	1561	rBV4	93324	273893	24.71%	1.586%
44	11.126	1561	1565	1568	rBV4	32569	48899	4.41%	0.283%
45	11.155	1568	1570	1574	rVB3	17121	18070	1.63%	0.105%
46	11.243	1579	1585	1590	rVV4	121267	262167	23.66%	1.518%
47	11.302	1590	1595	1598	rVV3	70638	123833	11.17%	0.717%
48	11.349	1598	1603	1608	rVV3	119924	209172	18.87%	1.211%
49	11.414	1608	1614	1615	rVV6	47837	84605	7.63%	0.490%
50	11.449	1618	1620	1627	rVB5	79887	134522	12.14%	0.779%
51	11.549	1629	1637	1647	rBV10	53753	181205	16.35%	1.049%
52	11.649	1647	1654	1663	rVV	517834	923284	83.31%	5.347%
53	11.743	1668	1670	1671	rBV2	15571	11698	1.06%	0.068%
54	11.778	1673	1676	1680	rVB3	60472	86984	7.85%	0.504%
55	11.837	1680	1686	1690	rBV4	74162	134757	12.16%	0.780%
56	11.890	1690	1695	1698	rBV4	65213	133058	12.01%	0.771%
57	11.996	1708	1713	1716	rBV4	58771	113882	10.28%	0.659%
58	12.049	1720	1722	1725	rVV4	38647	44861	4.05%	0.260%
59	12.084	1726	1728	1732	rVB4	32226	35275	3.18%	0.204%
60	12.155	1732	1740	1747	rBV3	190555	508657	45.90%	2.946%
61	12.273	1751	1760	1764	rVB2	148173	342402	30.90%	1.983%
62	12.320	1764	1768	1769	rBV2	49851	71362	6.44%	0.413%
63	12.355	1769	1774	1784	rVV4	200060	604288	54.53%	3.499%
64	12.437	1784	1788	1789	rVV3	40533	52108	4.70%	0.302%
65	12.467	1790	1793	1800	rVB7	71614	143295	12.93%	0.830%
66	12.631	1815	1821	1828	rVB	480796	806948	72.81%	4.673%
67	12.720	1832	1836	1840	rBV6	60369	120981	10.92%	0.701%
68	12.796	1845	1849	1856	rVB3	241882	473898	42.76%	2.744%
69	12.884	1857	1864	1867	rBV6	78012	176054	15.89%	1.019%
70	12.949	1870	1875	1882	rBV7	84539	212984	19.22%	1.233%
71	13.078	1891	1897	1904	rBV	284995	589382	53.18%	3.413%

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72	13.149	1904	1909	1913	rVV	412805	684551	61.77%	3.964%
73	13.190	1913	1916	1927	rVB6	156242	340113	30.69%	1.970%
74	13.314	1934	1937	1941	rBV4	41578	65837	5.94%	0.381%
75	13.431	1955	1957	1966	rVB9	54174	125514	11.33%	0.727%
76	13.502	1966	1969	1974	rVV3	66632	96217	8.68%	0.557%
77	13.578	1976	1982	1991	rVB	512148	876349	79.08%	5.075%
78	13.720	2002	2006	2010	rVB5	104356	161913	14.61%	0.938%
79	13.767	2010	2014	2017	rVB5	30248	39571	3.57%	0.229%
80	13.896	2032	2036	2042	rVB5	159501	265743	23.98%	1.539%
81	14.014	2052	2056	2057	rBV4	31179	48230	4.35%	0.279%
82	14.290	2099	2103	2109	rVB8	60766	115007	10.38%	0.666%
83	14.349	2110	2113	2116	rVV5	34275	54166	4.89%	0.314%
84	14.408	2119	2123	2136	rVB7	160757	406200	36.65%	2.352%
85	14.578	2148	2152	2156	rVB4	100825	152160	13.73%	0.881%
86	14.878	2199	2203	2209	rVB5	83388	155414	14.02%	0.900%
87	15.008	2222	2225	2228	rBV5	31682	48658	4.39%	0.282%
88	15.096	2236	2240	2244	rVB5	51796	86228	7.78%	0.499%
89	15.161	2248	2251	2255	rBV6	26622	53759	4.85%	0.311%
90	15.449	2294	2300	2302	rBV7	33433	70146	6.33%	0.406%
91	16.684	2508	2510	2517	rVB8	21972	34278	3.09%	0.198%

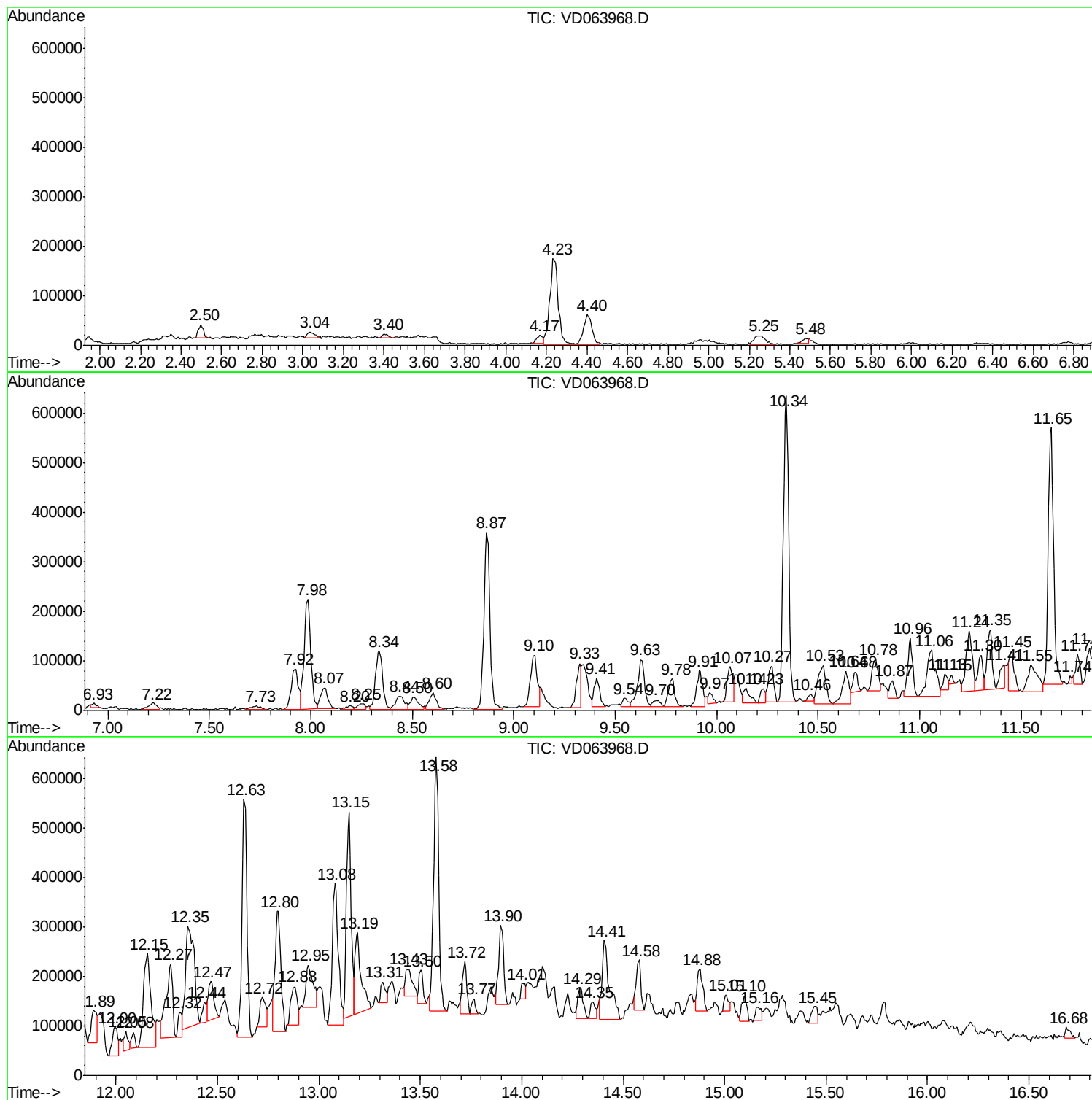
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

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



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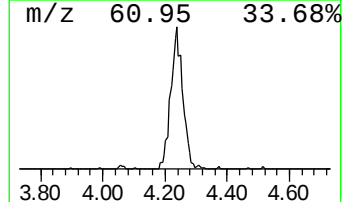
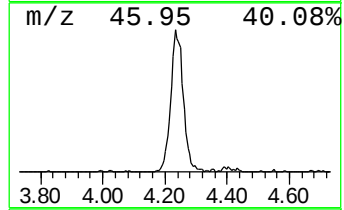
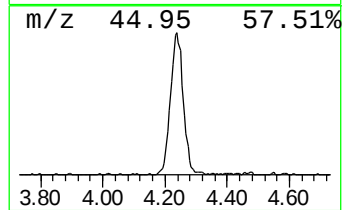
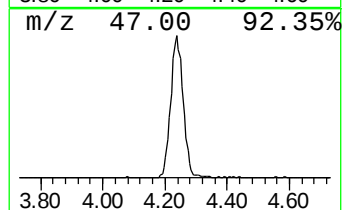
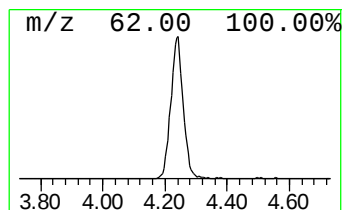
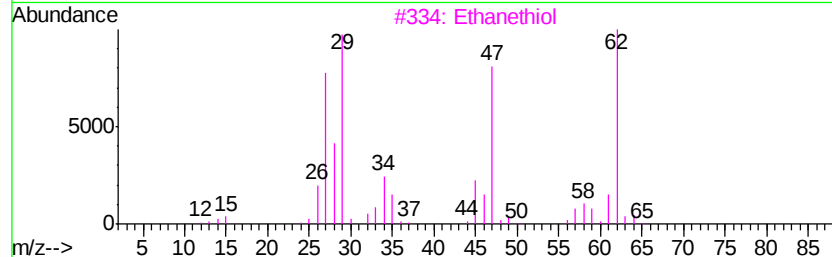
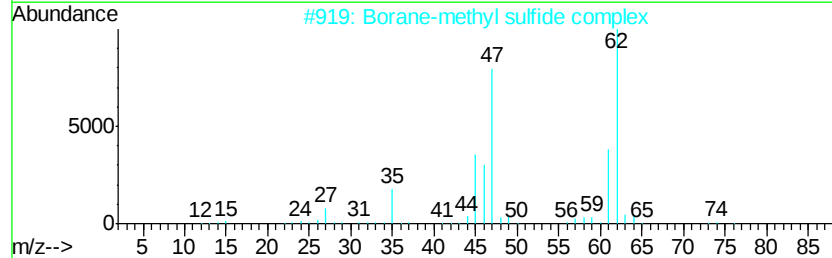
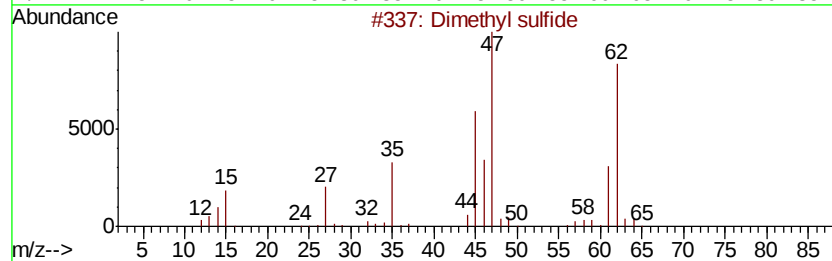
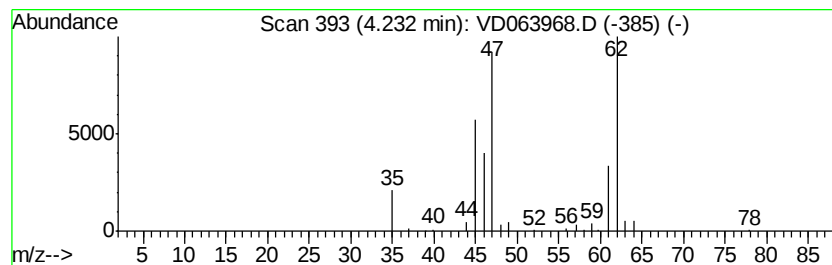
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

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

Peak Number 1 Dimethyl sulfide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.23	49.13 ug/l	495807	Pentafluorobenzene	7.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dimethyl sulfide	62	C2H6S	000075-18-3	95
2		Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	90
3		Ethanethiol	62	C2H6S	000075-08-1	80
4		Ethene, chloro-	62	C2H3Cl	000075-01-4	9
5		Boric acid	62	BH3O3	010043-35-3	5



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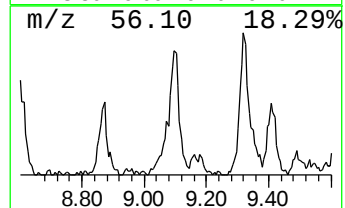
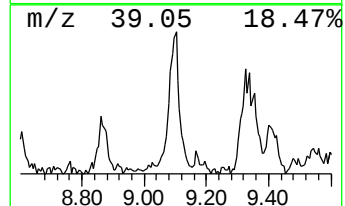
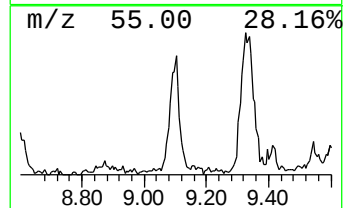
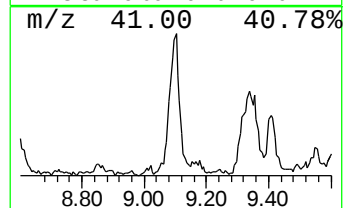
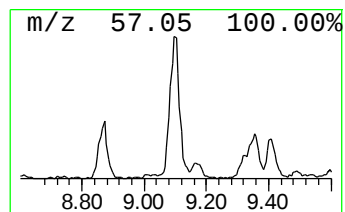
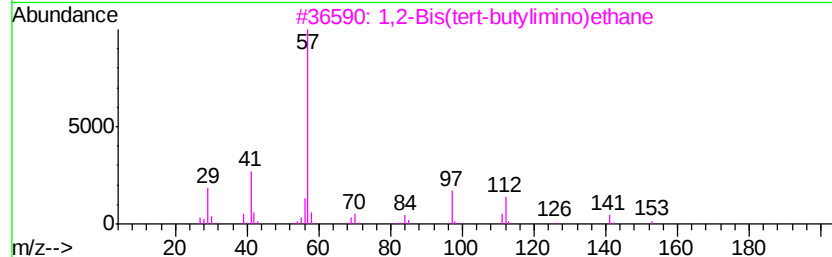
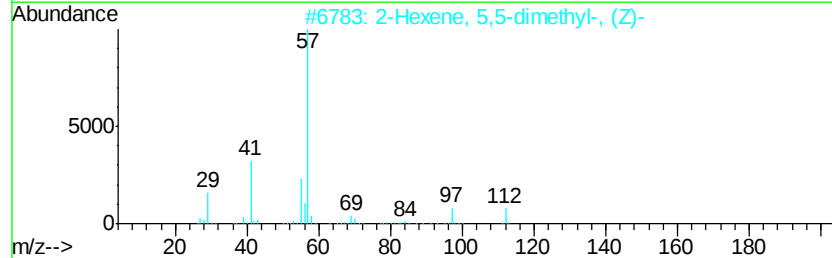
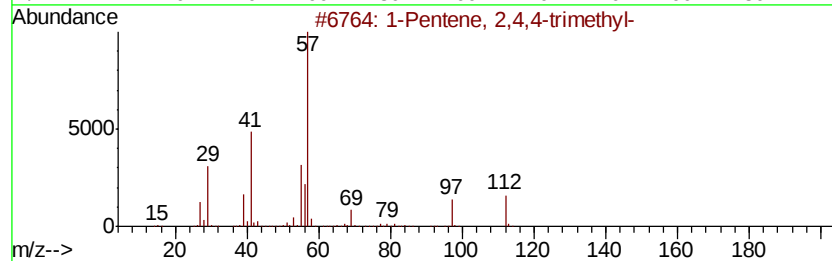
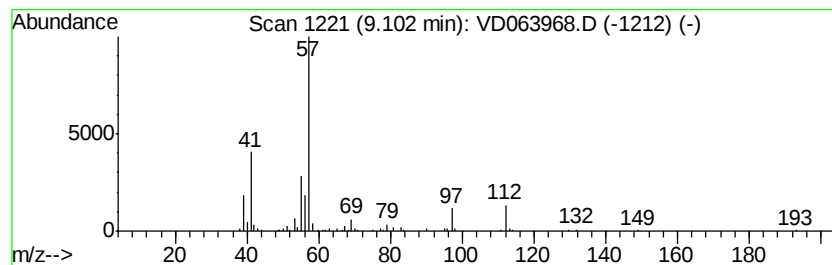
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1-Pentene, 2,4,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	15.81 ug/l	236166	1,4-Difluorobenzene	8.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	81
2			2-Hexene, 5,5-dimethyl-, (Z)-	112	C8H16	039761-61-0	72
3			1,2-Bis(tert-butylimino)ethane	168	C10H20N2	030834-74-3	40
4			3-Hexanethiol, 3-ethyl-	146	C8H18S	055956-00-8	39
5			Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	38



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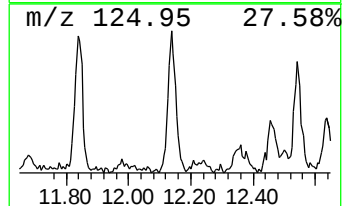
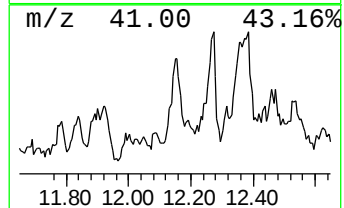
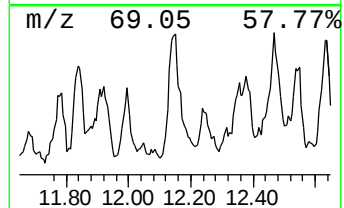
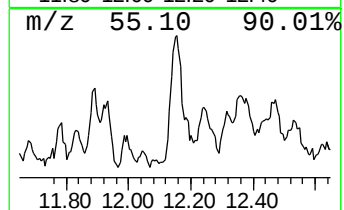
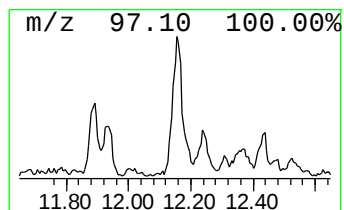
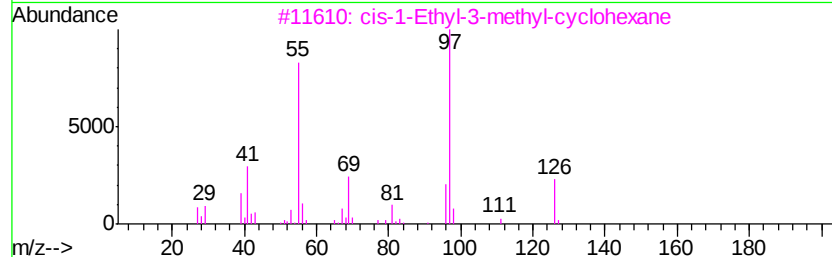
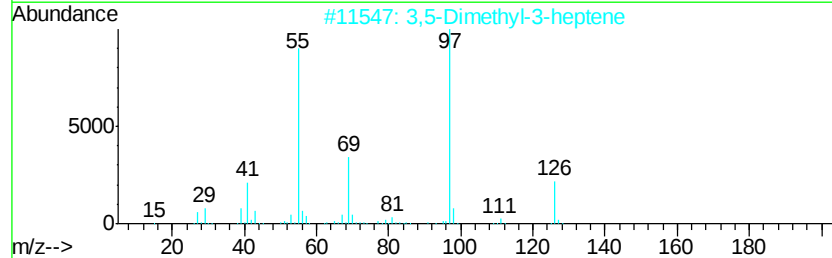
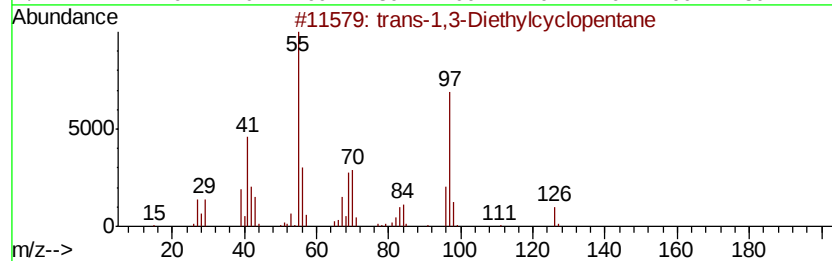
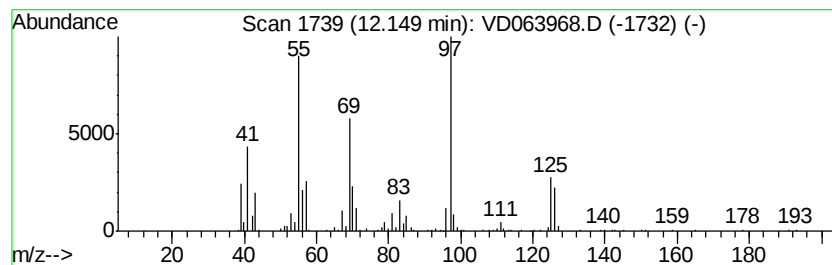
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Peak Number 3 trans-1,3-Diethylcyclopentane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.15	27.55 ug/l	508657	Chlorobenzene-d5	11.65		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	72	
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	62	
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	52	
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	52	
5	Cyclopentane, (1-methylbutyl)-	140	C10H20	004737-43-3	50	



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Sample : K5358-02
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20190897-AMENDED-COMP-KM-CA

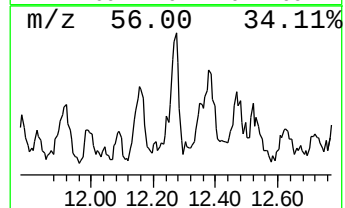
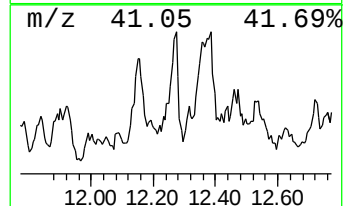
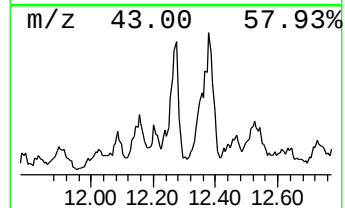
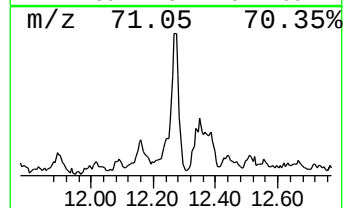
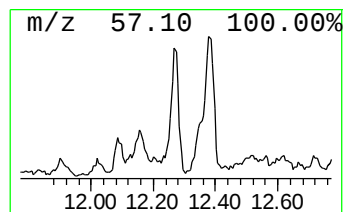
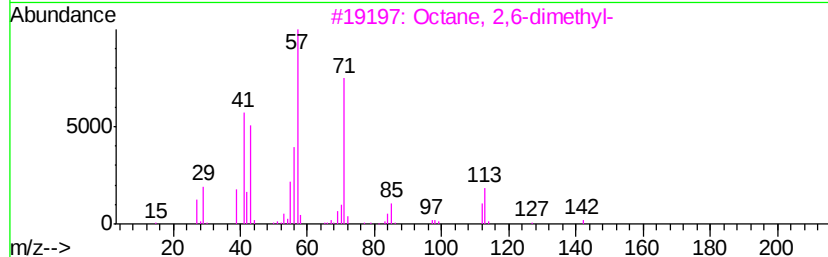
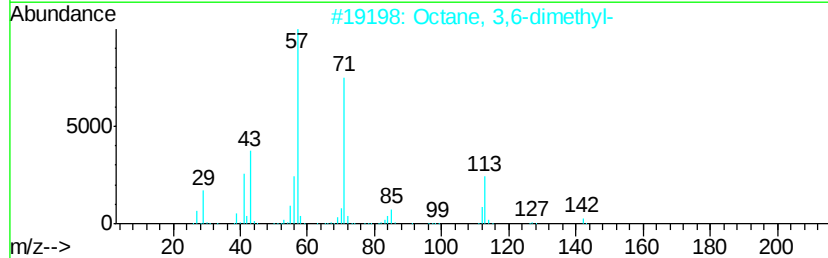
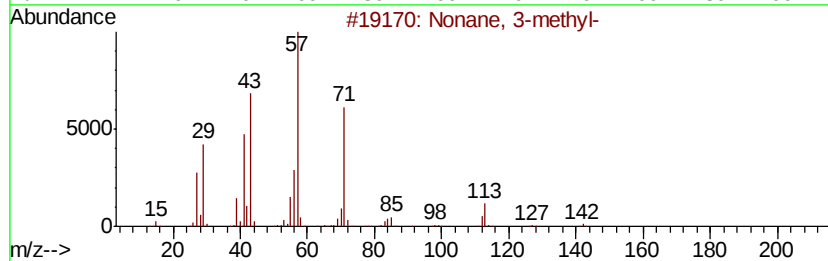
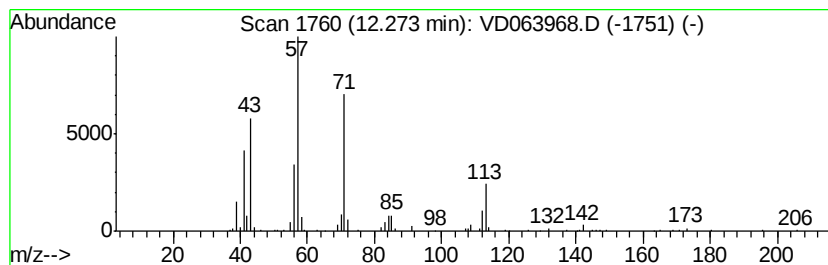
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Quant Title : SW846 8260

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

Peak Number 4 Nonane, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	18.54 ug/l	342402	Chlorobenzene-d5	11.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
4		Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	59
5		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063968.D
Acq On : 15 Oct 2019 13:27
Operator : VA/SY
Sample : K5358-02
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20190897-AMENDED-COMP-KM-CA

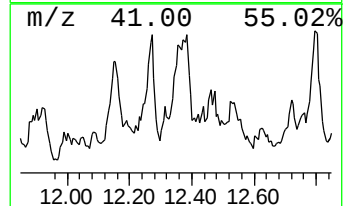
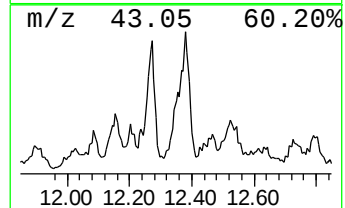
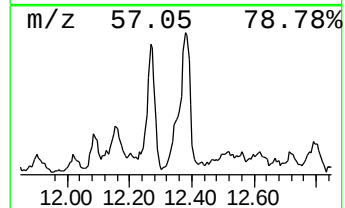
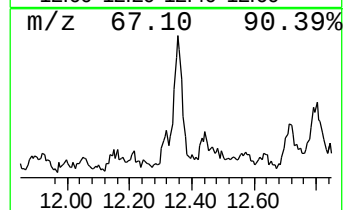
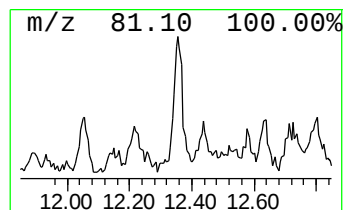
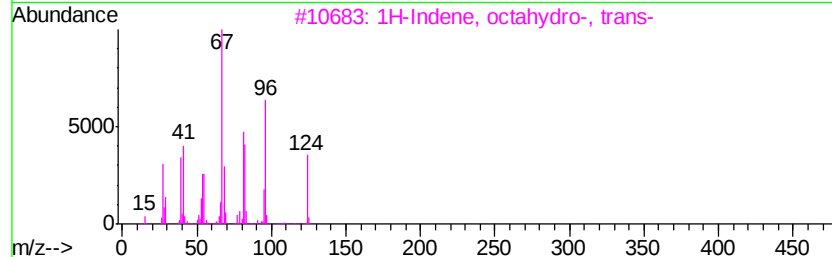
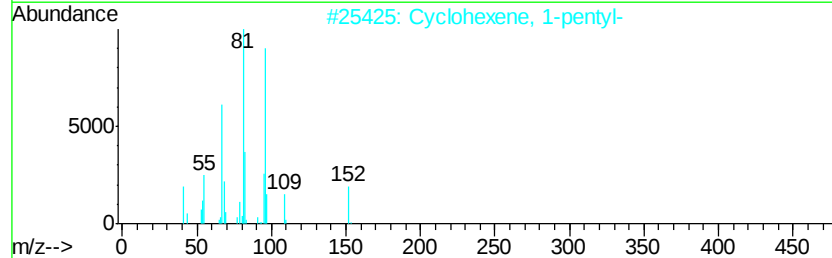
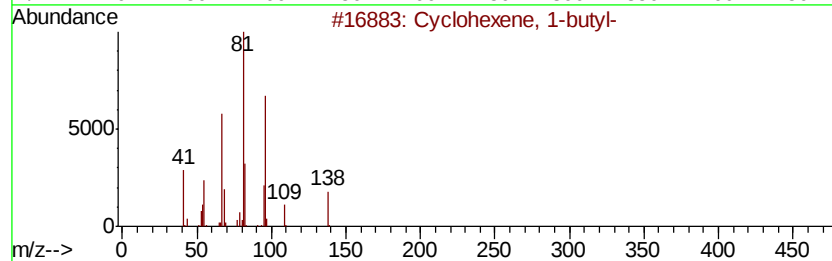
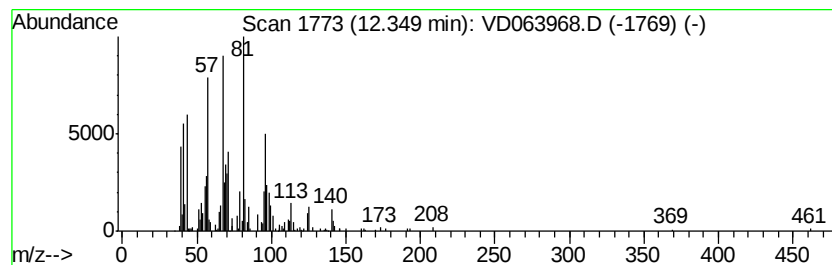
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Quant Title : SW846 8260

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

Peak Number 5 Cyclohexene, 1-butyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	32.72 ug/l	604288	Chlorobenzene-d5	11.65

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	52
2		Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	38
3		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	38
4		Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	006069-97-2	38
5		Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063968.D
Acq On : 15 Oct 2019 13:27
Operator : VA/SY
Sample : K5358-02
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20190897-AMENDED-COMP-KM-CA

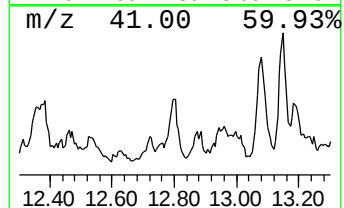
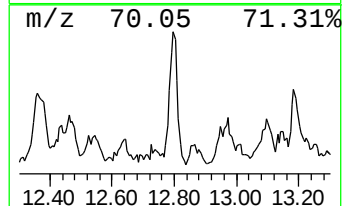
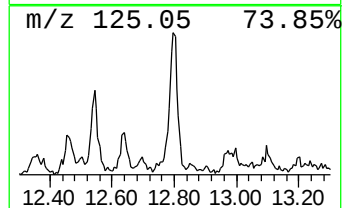
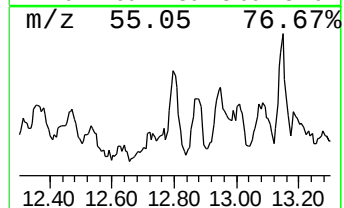
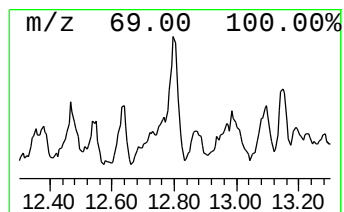
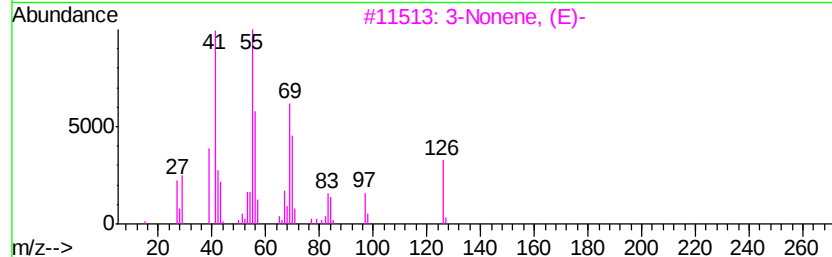
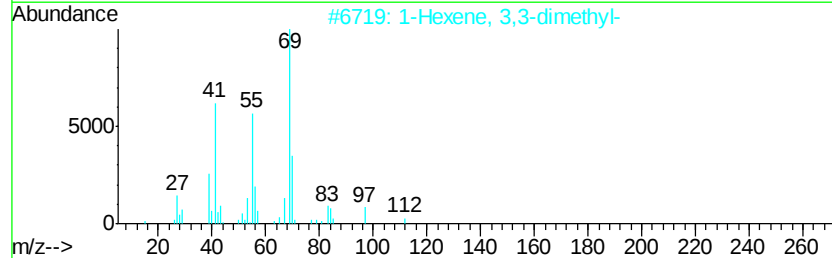
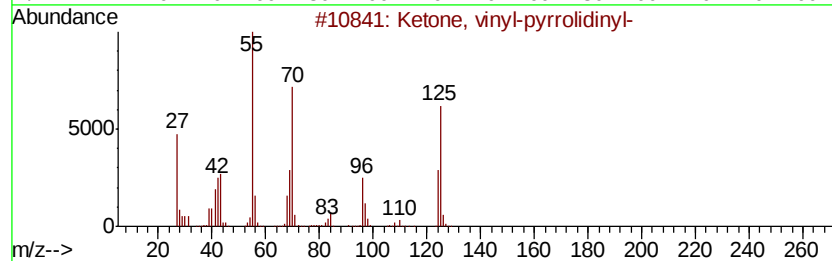
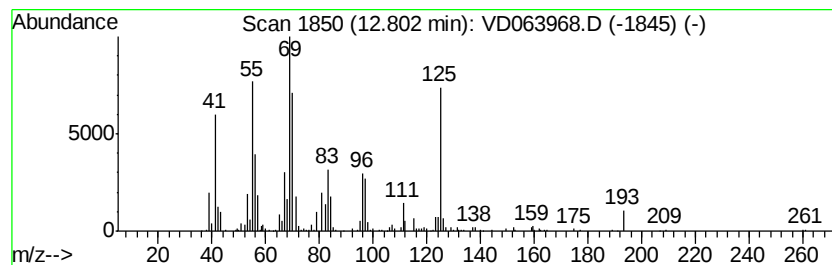
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Quant Title : SW846 8260

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

Peak Number 6 unknown12.80 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	27.04 ug/l	473898	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ketone, vinyl-pyrrolidinyl-	125	C7H11NO	042104-70-1	45
2		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	43
3		3-Nonene, (E)-	126	C9H18	020063-92-7	41
4		trans-2-Methyl-3-octene	126	C9H18	052937-36-7	38
5		2-Methyl-2-octene	126	C9H18	016993-86-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063968.D
Acq On : 15 Oct 2019 13:27
Operator : VA/SY
Sample : K5358-02
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
20190897-AMENDED-COMP-KM-CA

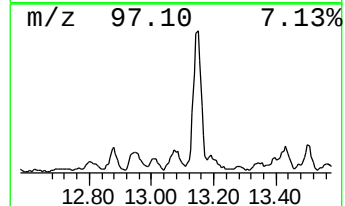
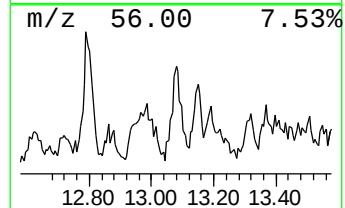
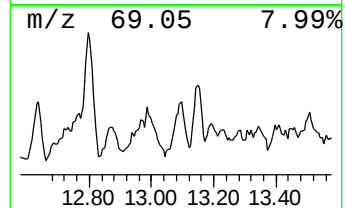
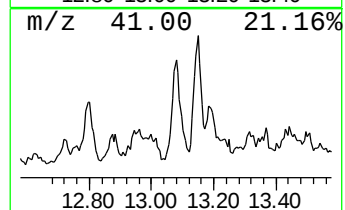
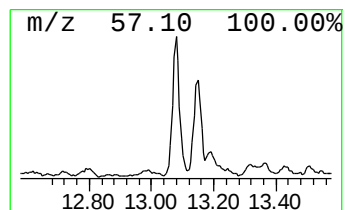
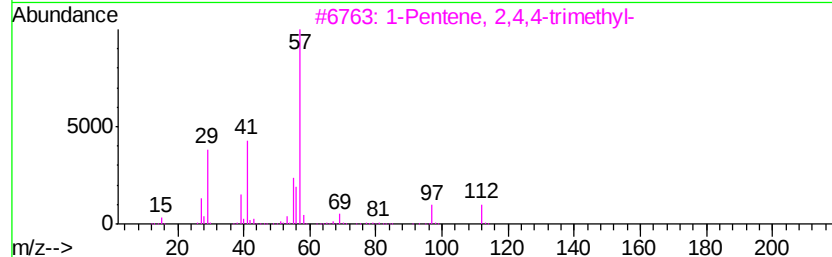
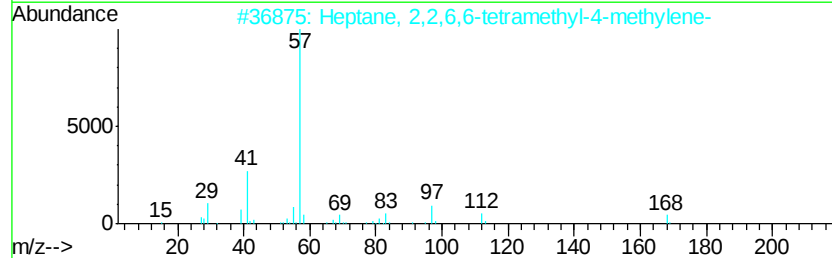
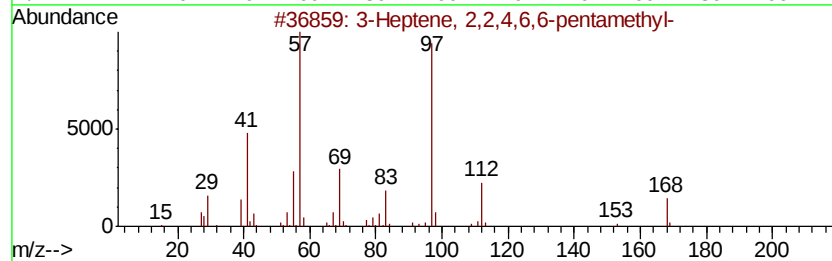
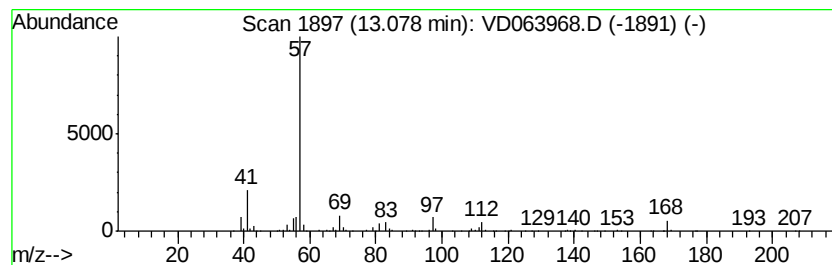
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Quant Title : SW846 8260

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

Peak Number 7 3-Heptene, 2,2,4,6,6-pentam... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	33.63 ug/l	589382	1,4-Dichlorobenzene-d4	13.58

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Heptene, 2,2,4,6,6-pentamethyl-	168	C12H24	000123-48-8	53
2		Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	49
3		1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	43
4		4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	38
5		Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063968.D
Acq On : 15 Oct 2019 13:27
Operator : VA/SY
Sample : K5358-02
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

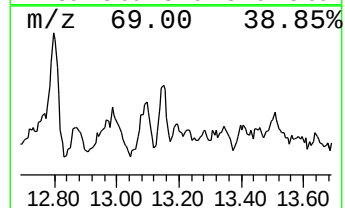
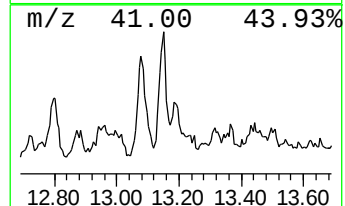
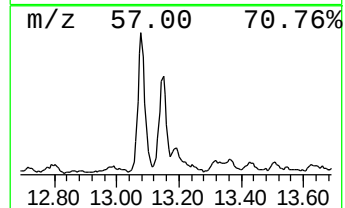
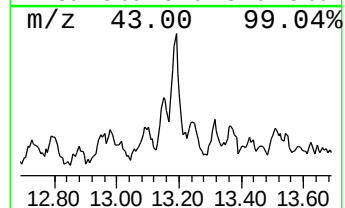
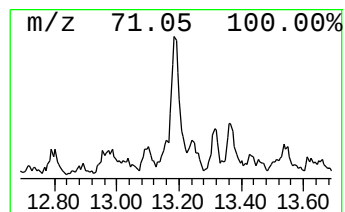
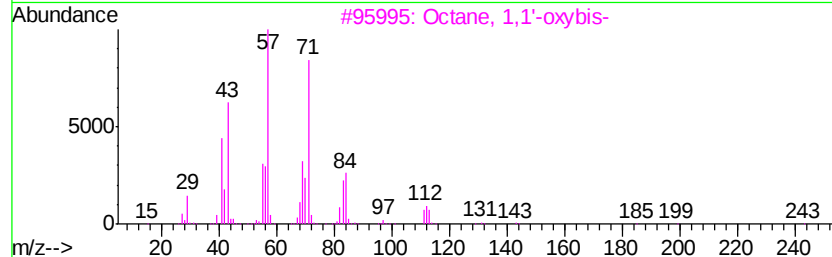
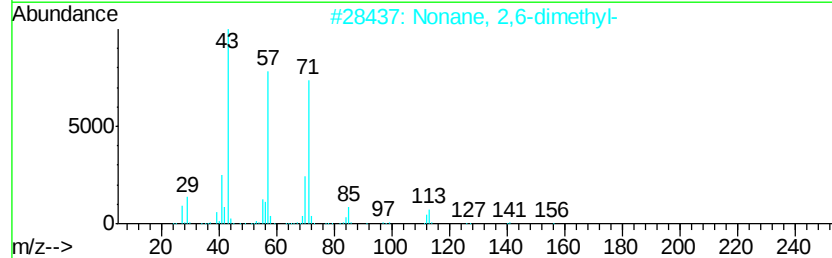
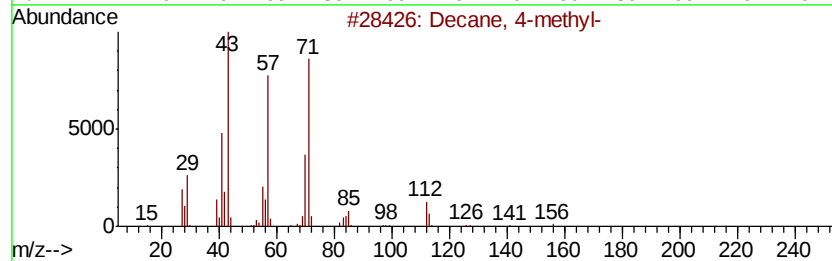
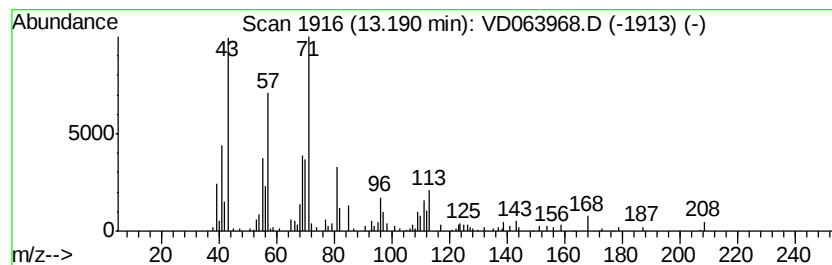
Instrument :
MSVOA_D
ClientSampleId :
20190897-AMENDED-COMP-KM-CA

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

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

Peak Number 9 Decane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	19.41 ug/l	340113	1,4-Dichlorobenzene-d4	13.58
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 4-methyl-	156 C11H24	002847-72-5	64
2	Nonane, 2,6-dimethyl-	156 C11H24	017302-28-2	59
3	Octane, 1,1'-oxybis-	242 C16H34O	000629-82-3	53
4	Octane, 3,3-dimethyl-	142 C10H22	004110-44-5	53
5	Octane, 3,6-dimethyl-	142 C10H22	015869-94-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101519\
Data File : VD063968.D
Acq On : 15 Oct 2019 13:27
Operator : VA/SY
Sample : K5358-02
Misc : 5.05G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

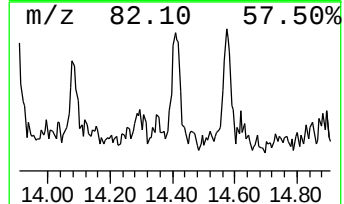
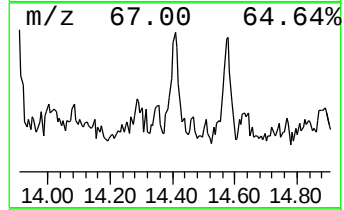
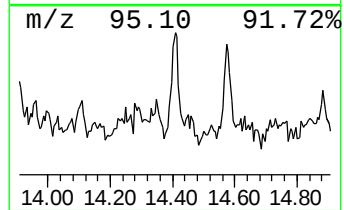
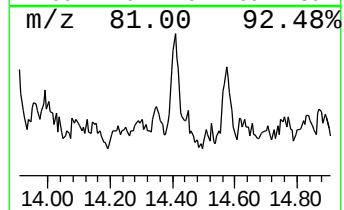
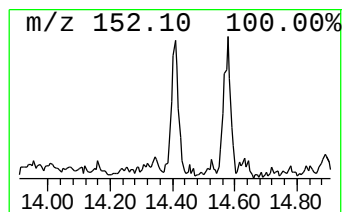
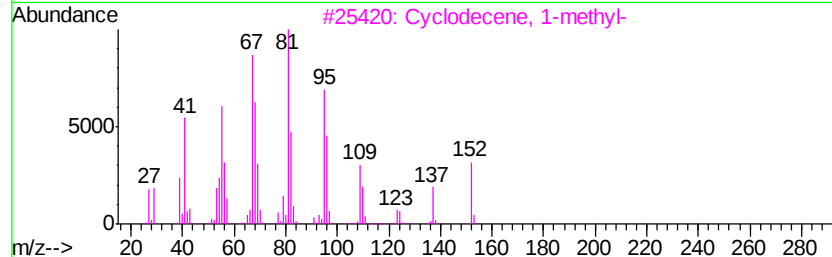
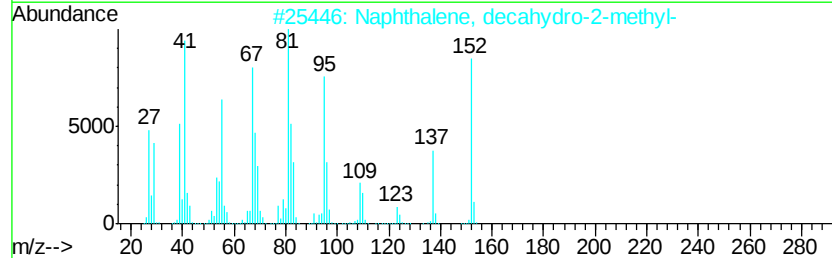
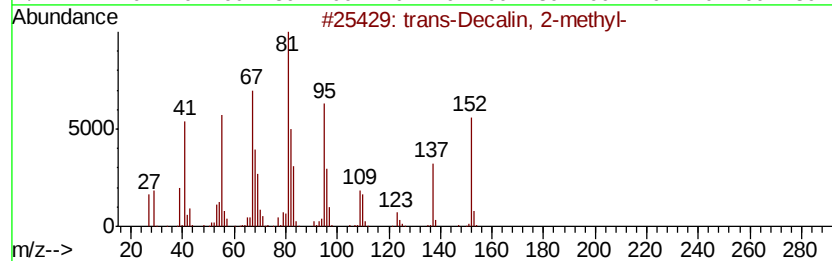
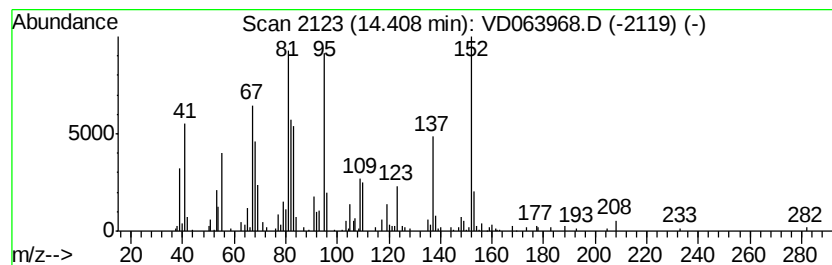
Instrument :
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ClientSampleId :
20190897-AMENDED-COMP-KM-CA

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260

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

Peak Number 10 trans-Decalin, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	23.18 ug/l	406200	1,4-Dichlorobenzene-d4	13.58
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	87
2	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	81
3	Cyclodecene, 1-methyl-	152 C11H20	066633-38-3	76
4	cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6	68
5	Cyclohexanone, 2-methyl-5-(1-met...	152 C10H16O	005948-04-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_D\DATA\VD101519\
Data File : VD063968.D
Acq On : 15 Oct 2019 13:27
Operator : VA/SY
Sample : K5358-02
Misc : 5.05G/5.00ml/MSV0A_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSV0A_D
ClientSampleId :
20190897-AMENDED-COMP-KM-CA

Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_D\METHOD\82D100219S.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
Dimethyl sulfide	4.23	49.1	ug/l	495807	1	7.98	504570	50.0
1-Pentene, 2,4,4-...	9.10	15.8	ug/l	236166	2	8.87	746746	50.0
trans-1,3-Diethyl...	12.15	27.6	ug/l	508657	3	11.65	923284	50.0
Nonane, 3-methyl-	12.27	18.5	ug/l	342402	3	11.65	923284	50.0
Cyclohexene, 1-bu...	12.35	32.7	ug/l	604288	3	11.65	923284	50.0
unknown12.80	12.80	27.0	ug/l	473898	4	13.58	876349	50.0
3-Heptene, 2,2,4,...	13.08	33.6	ug/l	589382	4	13.58	876349	50.0
Decane, 4-methyl-	13.19	19.4	ug/l	340113	4	13.58	876349	50.0
trans-Decalin, 2-...	14.41	23.2	ug/l	406200	4	13.58	876349	50.0