

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001754.D
 Acq On : 21 Feb 2020 19:31
 Operator : SY/MD
 Sample : L1650-04
 Misc : 6.79G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-4

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_Y\METHODS\82Y021720S.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	2.932	187	196	206	rBV3	10628	24993	2.49%	0.228%
2	3.981	358	368	377	rBV3	5081	16534	1.65%	0.151%
3	4.755	481	495	517	rBV6	20985	110917	11.06%	1.014%
4	5.292	568	583	605	rBV2	26781	96475	9.62%	0.882%
5	6.566	780	792	802	rBV3	4999	16801	1.68%	0.154%
6	6.724	806	818	829	rBV3	34038	106586	10.63%	0.974%
7	6.828	829	835	847	rVB5	5835	17441	1.74%	0.159%
8	7.023	856	867	877	rBV5	5618	16404	1.64%	0.150%
9	7.559	946	955	964	rVB2	7574	22140	2.21%	0.202%
10	7.748	975	986	991	rBV	116609	279321	27.85%	2.553%
11	7.816	991	997	1005	rVV	212281	488439	48.71%	4.465%
12	7.901	1005	1011	1023	rVB2	50848	128507	12.81%	1.175%
13	8.169	1047	1055	1065	rVV	129314	278025	27.72%	2.541%
14	8.346	1067	1084	1095	rVV	362823	903246	90.07%	8.256%
15	8.712	1135	1144	1156	rBV	348768	693065	69.11%	6.335%
16	9.017	1187	1194	1202	rVB4	5665	13654	1.36%	0.125%
17	9.169	1211	1219	1221	rBV2	32016	62807	6.26%	0.574%
18	9.206	1221	1225	1229	rVV2	51315	100180	9.99%	0.916%
19	9.260	1229	1234	1241	rVB2	86343	162009	16.16%	1.481%
20	9.340	1241	1247	1252	rBV	12671	23409	2.33%	0.214%
21	9.480	1259	1270	1278	rVB3	27559	83212	8.30%	0.761%
22	9.632	1287	1295	1307	rVB	175471	348075	34.71%	3.182%
23	9.760	1307	1316	1323	rBV	122532	261560	26.08%	2.391%
24	9.815	1323	1325	1330	rVV2	12061	18171	1.81%	0.166%
25	9.876	1330	1335	1340	rVB5	4896	10293	1.03%	0.094%
26	9.949	1340	1347	1353	rBV	42786	83305	8.31%	0.761%
27	10.004	1353	1356	1363	rVB3	8962	17012	1.70%	0.155%
28	10.083	1363	1369	1371	rBV2	20571	34473	3.44%	0.315%
29	10.126	1371	1376	1381	rVV	69229	124135	12.38%	1.135%
30	10.193	1381	1387	1399	rVB	567112	1002804	100.00%	9.166%
31	10.315	1399	1407	1410	rBV4	8786	18798	1.87%	0.172%
32	10.358	1410	1414	1424	rVB3	20764	47316	4.72%	0.432%
33	10.492	1424	1436	1440	rBV3	26729	59440	5.93%	0.543%
34	10.535	1440	1443	1447	rVB2	10652	15219	1.52%	0.139%

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Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
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35	10.644	1452	1461	1466	rBV6	35513	107052	10.68%	0.978%
36	10.772	1478	1482	1487	rBV3	14165	26197	2.61%	0.239%
37	10.894	1494	1502	1506	rBV8	9982	26772	2.67%	0.245%
38	10.943	1506	1510	1513	rVB2	7357	10880	1.08%	0.099%
39	11.016	1513	1522	1527	rBV2	22503	44931	4.48%	0.411%
40	11.102	1527	1536	1540	rVV5	16419	39302	3.92%	0.359%
41	11.156	1540	1545	1558	rVB3	61516	123499	12.32%	1.129%
42	11.309	1564	1570	1579	rVB3	52064	112500	11.22%	1.028%
43	11.419	1579	1588	1592	rBV9	12447	38580	3.85%	0.353%
44	11.504	1595	1602	1613	rVV	517904	880675	87.82%	8.050%
45	11.638	1616	1624	1629	rVV6	25288	58585	5.84%	0.535%
46	11.693	1629	1633	1637	rVV5	19610	40716	4.06%	0.372%
47	11.754	1641	1643	1653	rVB7	23426	59389	5.92%	0.543%
48	11.857	1653	1660	1663	rBV7	7646	17527	1.75%	0.160%
49	11.906	1663	1668	1673	rVV3	15543	25466	2.54%	0.233%
50	12.004	1679	1684	1692	rBV4	31832	69958	6.98%	0.639%
51	12.181	1707	1713	1714	rBV2	13767	23187	2.31%	0.212%
52	12.211	1714	1718	1728	rVB7	29167	67589	6.74%	0.618%
53	12.315	1728	1735	1740	rBV6	26462	54477	5.43%	0.498%
54	12.443	1752	1756	1758	rBV2	8975	11458	1.14%	0.105%
55	12.492	1758	1764	1771	rVB	378611	612002	61.03%	5.594%
56	12.571	1771	1777	1778	rBV4	13163	23174	2.31%	0.212%
57	12.656	1787	1791	1797	rVB4	16799	37751	3.76%	0.345%
58	12.748	1798	1806	1812	rBV8	17919	55009	5.49%	0.503%
59	12.827	1813	1819	1821	rBV6	14877	28955	2.89%	0.265%
60	12.851	1821	1823	1827	rVB3	17788	23784	2.37%	0.217%
61	12.961	1836	1841	1846	rVB3	22202	41799	4.17%	0.382%
62	13.089	1857	1862	1867	rVB6	20319	38535	3.84%	0.352%
63	13.144	1867	1871	1874	rBV3	19891	27606	2.75%	0.252%
64	13.272	1888	1892	1893	rBV4	10527	13623	1.36%	0.125%
65	13.363	1904	1907	1910	rBV5	5939	10917	1.09%	0.100%
66	13.436	1914	1919	1927	rVB	485306	770756	76.86%	7.045%
67	13.711	1958	1964	1965	rBV3	24554	41814	4.17%	0.382%
68	13.827	1980	1983	1987	rVB3	17367	24882	2.48%	0.227%
69	13.882	1988	1992	1995	rBV4	19624	33146	3.31%	0.303%
70	13.979	2005	2008	2011	rVB4	25229	29847	2.98%	0.273%
71	14.022	2012	2015	2022	rVB2	31516	55459	5.53%	0.507%

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Integration Parameters: RTEINT.P

Integrator: RTE
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 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
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72	14.089	2022	2026	2030	rVB3	43082	59937	5.98%	0.548%
73	14.156	2032	2037	2043	rVB4	56316	118189	11.79%	1.080%
74	14.217	2043	2047	2052	rBV5	28659	52019	5.19%	0.475%
75	14.272	2052	2056	2062	rBV6	48518	130867	13.05%	1.196%
76	14.436	2079	2083	2087	rBV5	46542	68257	6.81%	0.624%
77	14.479	2087	2090	2096	rVB6	29357	51260	5.11%	0.469%
78	14.564	2100	2104	2107	rBV	71588	113582	11.33%	1.038%
79	14.753	2131	2135	2140	rBV4	74366	131878	13.15%	1.205%
80	14.863	2149	2153	2161	rBV5	77364	170874	17.04%	1.562%
81	14.954	2165	2168	2172	rVB5	61843	93655	9.34%	0.856%
82	15.022	2176	2179	2183	rBV5	37571	54017	5.39%	0.494%
83	15.137	2194	2198	2206	rVB4	110769	204202	20.36%	1.866%
84	15.467	2248	2252	2258	rBV4	51588	109714	10.94%	1.003%
85	15.625	2274	2278	2284	rVB4	109892	189472	18.89%	1.732%

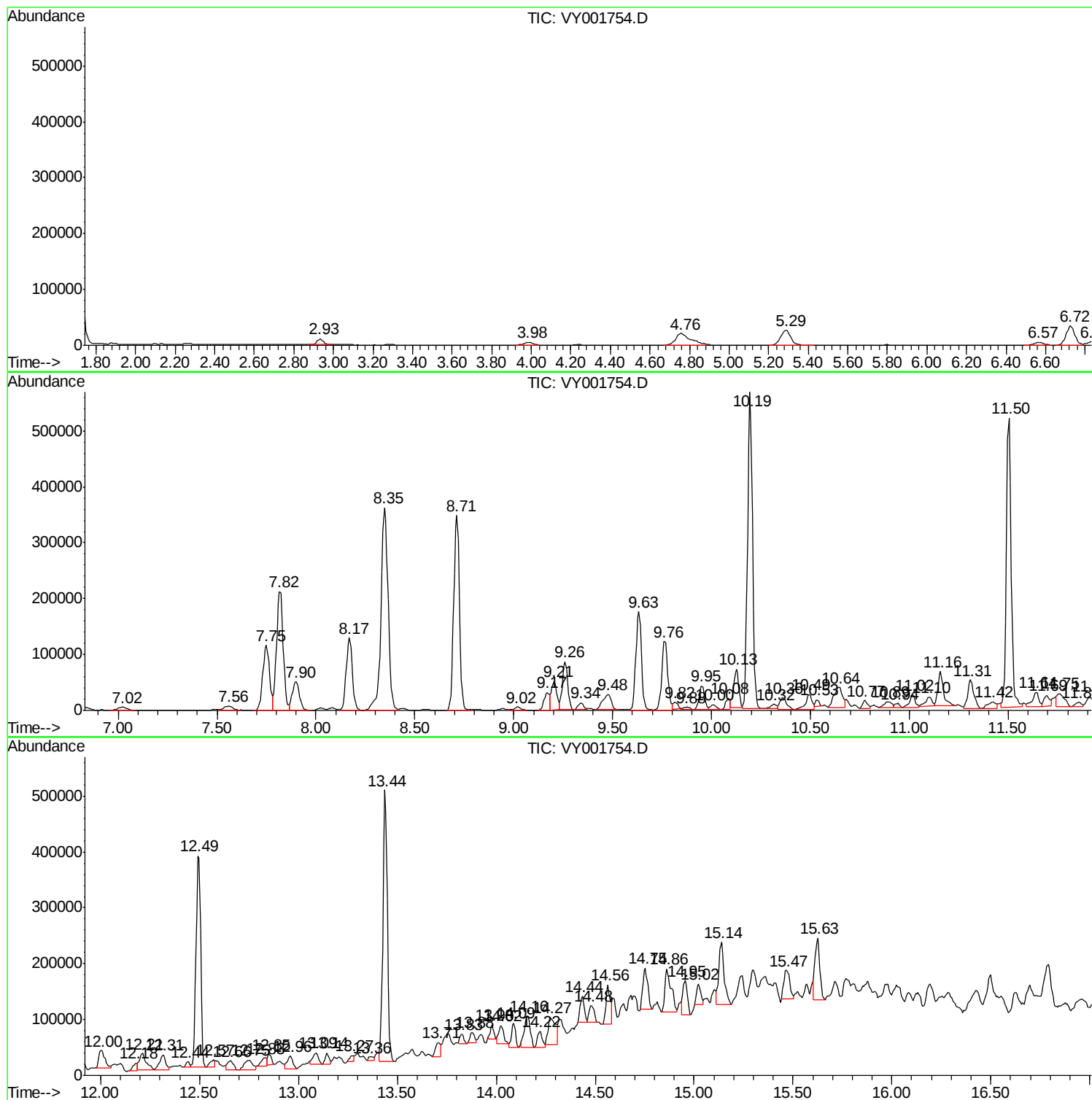
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Instrument :
MSVOA_Y
ClientSampleId :
EP-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

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



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ALS Vial : 24 Sample Multiplier: 1

Instrument :
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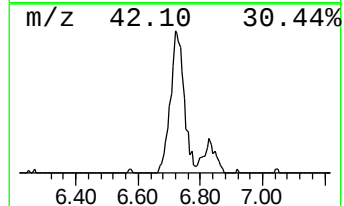
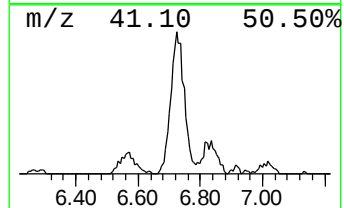
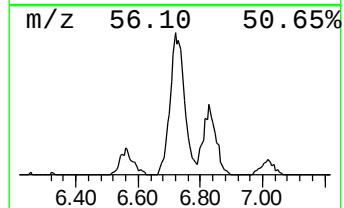
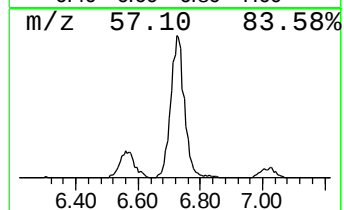
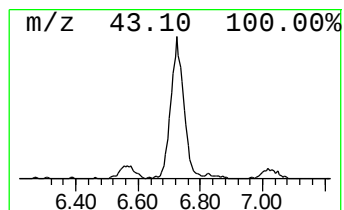
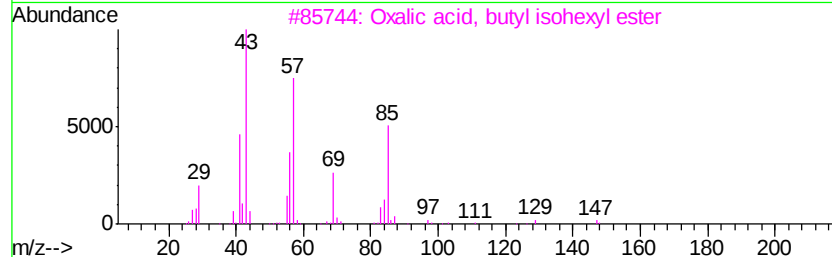
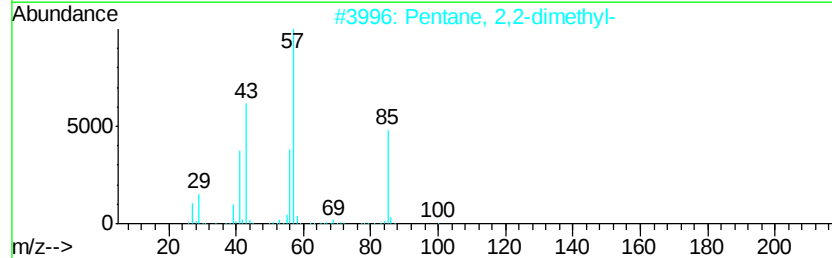
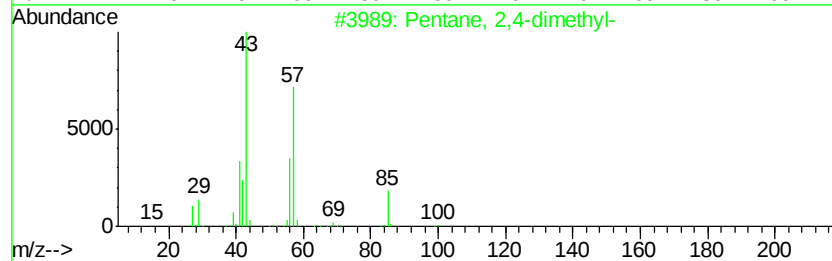
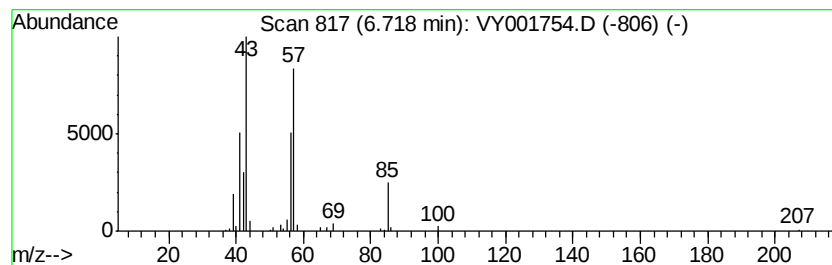
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

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

Peak Number 2 Pentane, 2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	10.91 ug/l	106586	Pentafluorobenzene	7.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64
3		Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
4		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	56



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Sample : L1650-04
Misc : 6.79G/5ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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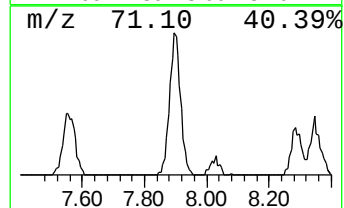
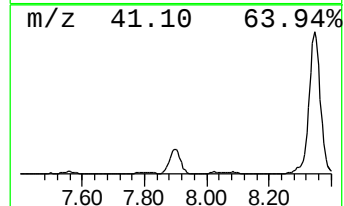
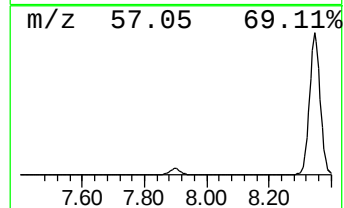
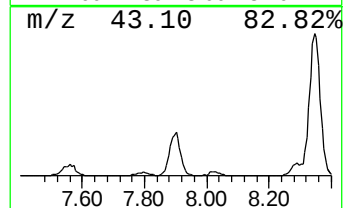
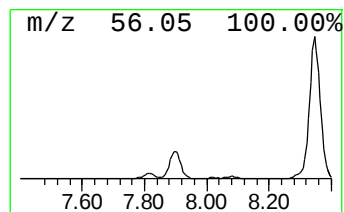
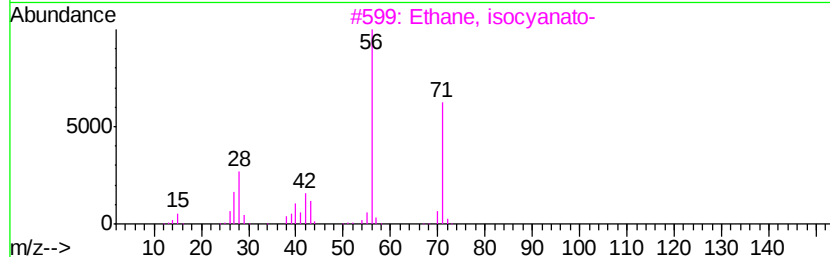
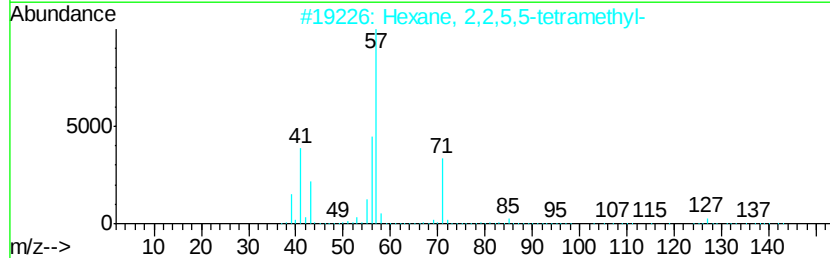
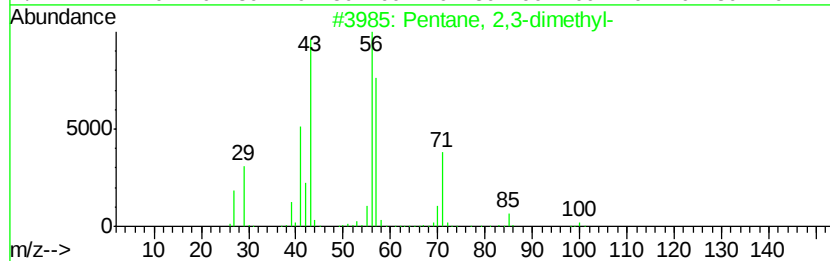
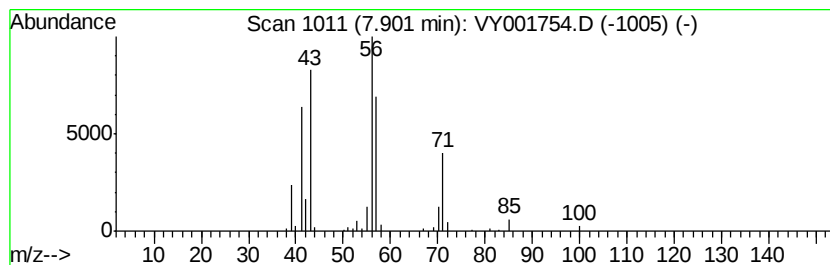
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	13.15 ug/l	128507	Pentafluorobenzene	7.82

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91	
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	72	
3	Ethane, isocyanato-	71	C3H5NO	000109-90-0	59	
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	47	
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	40	



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ALS Vial : 24 Sample Multiplier: 1

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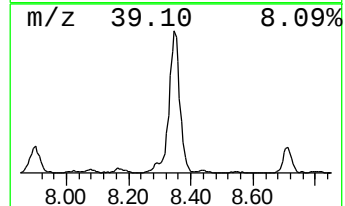
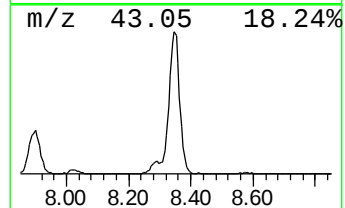
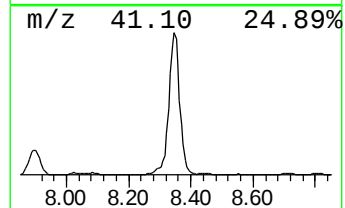
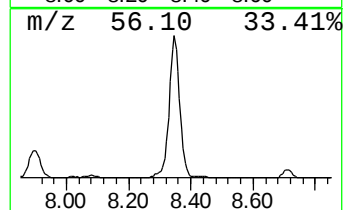
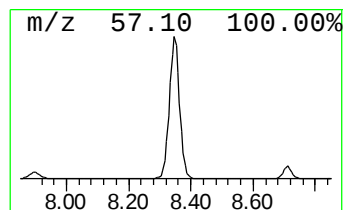
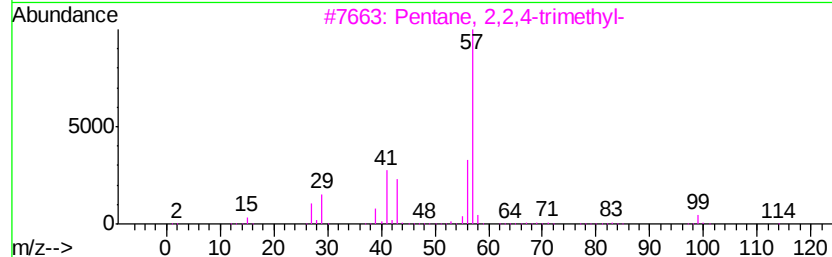
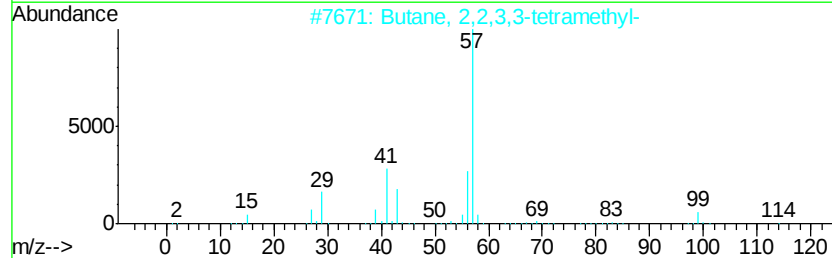
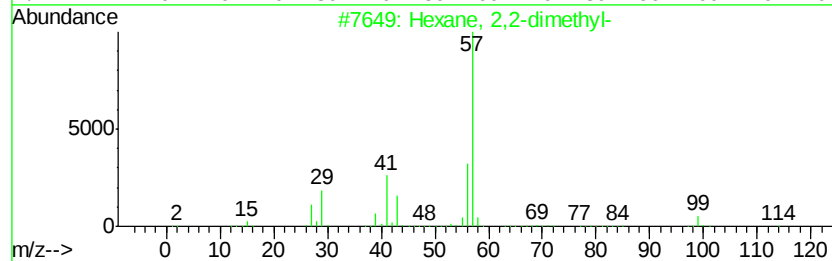
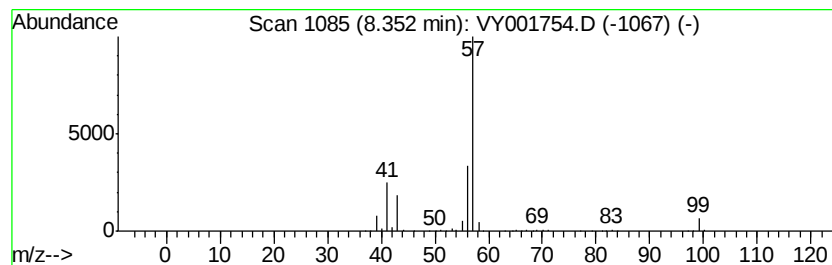
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

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

Peak Number 4 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	65.16 ug/l	903246	1,4-Difluorobenzene	8.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
3		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
4		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	72
5		Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	59



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ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
EP-4

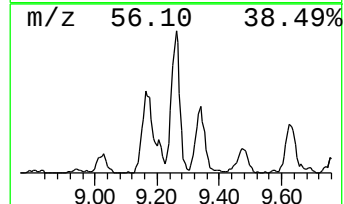
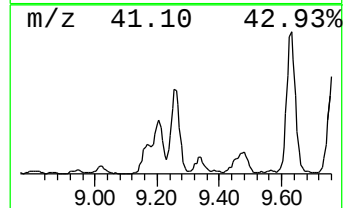
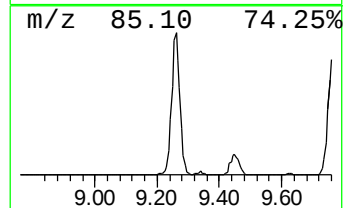
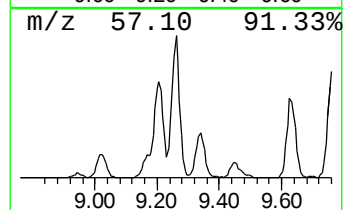
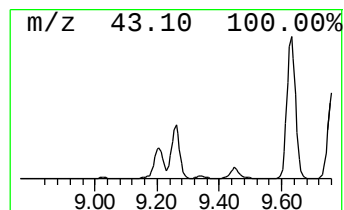
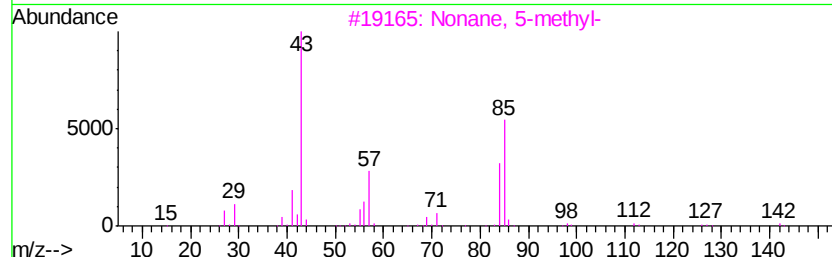
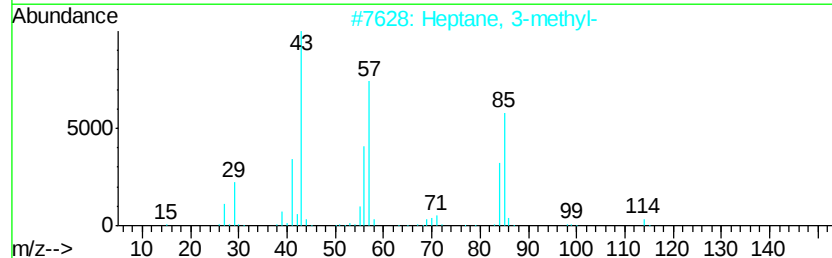
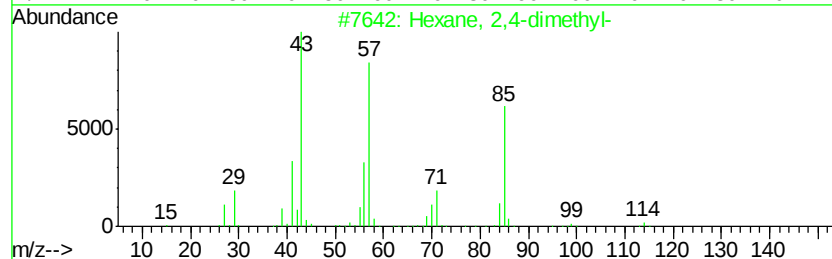
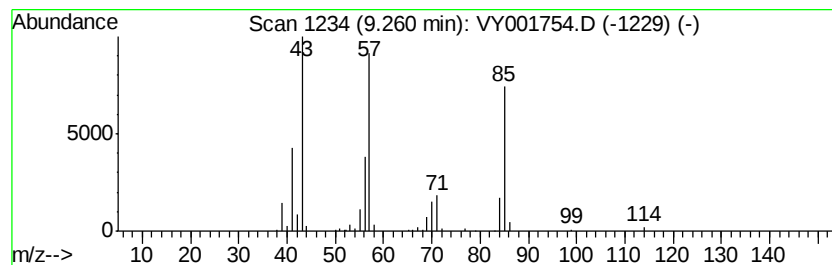
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Quant Title : SW846 8260

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

Peak Number 5 Hexane, 2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	11.69 ug/l	162009	1,4-Difluorobenzene	8.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2		Heptane, 3-methyl-	114	C8H18	000589-81-1	80
3		Nonane, 5-methyl-	142	C10H22	015869-85-9	72
4		Hexane, 2-methyl-	100	C7H16	000591-76-4	72
5		Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
Data File : VY001754.D
Acq On : 21 Feb 2020 19:31
Operator : SY/MD
Sample : L1650-04
Misc : 6.79G/5ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-4

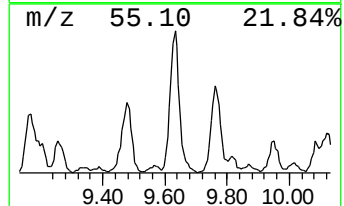
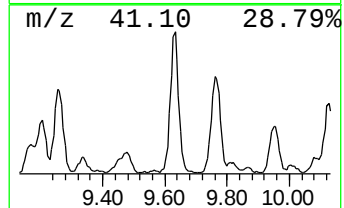
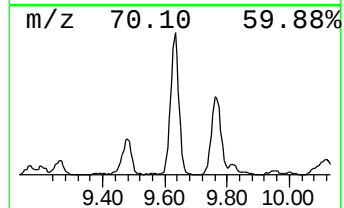
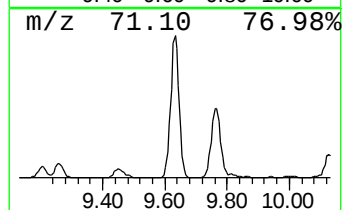
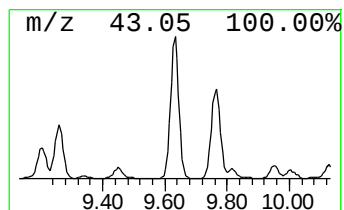
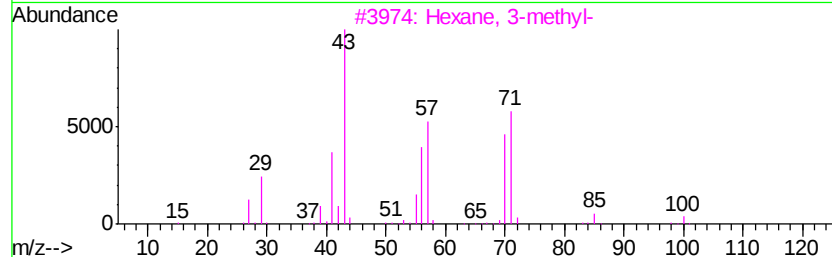
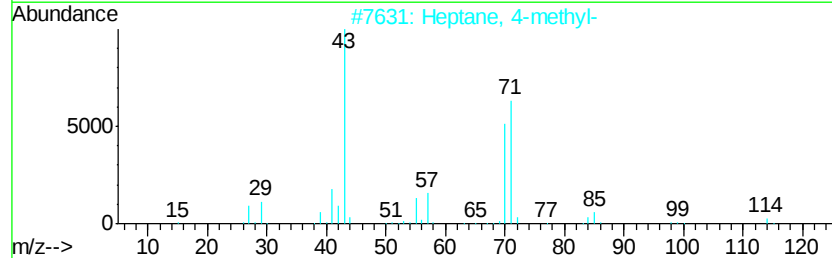
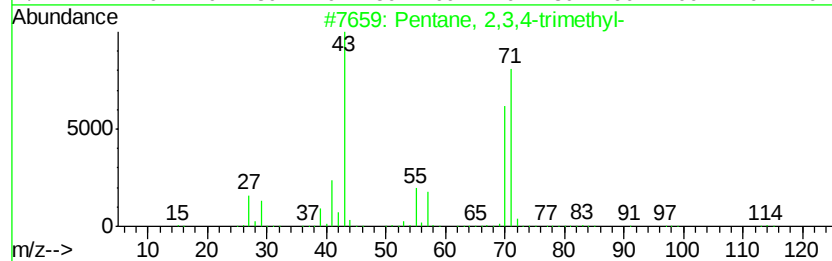
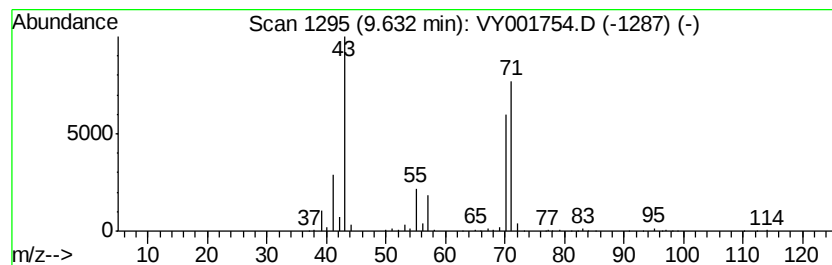
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Quant Title : SW846 8260

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

Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	25.11 ug/l	348075	1,4-Difluorobenzene	8.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	72
4		Butane, 1,1'-oxybis[3-methyl-	158	C10H22O	000544-01-4	64
5		Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
Data File : VY001754.D
Acq On : 21 Feb 2020 19:31
Operator : SY/MD
Sample : L1650-04
Misc : 6.79G/5ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-4

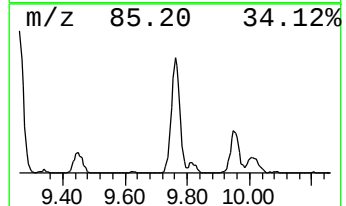
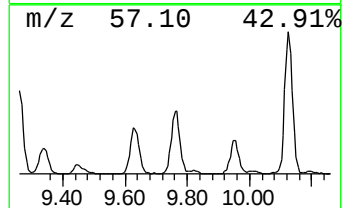
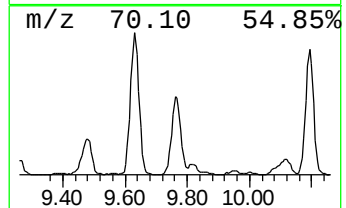
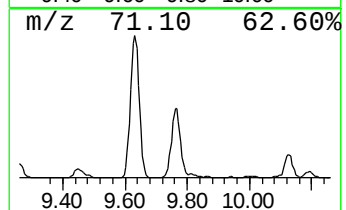
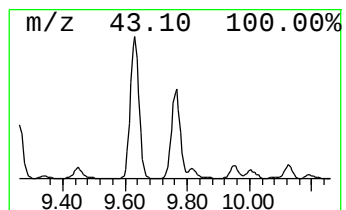
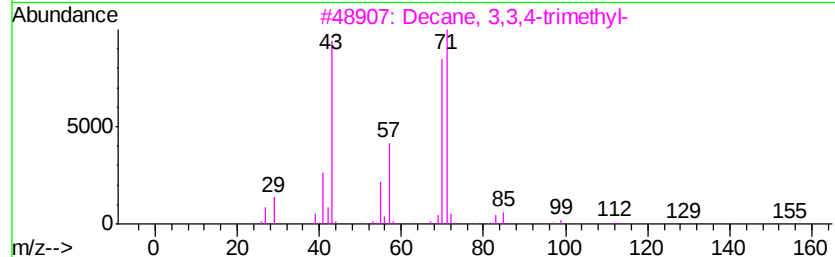
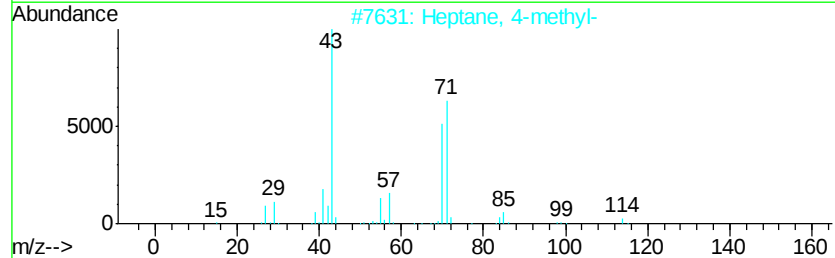
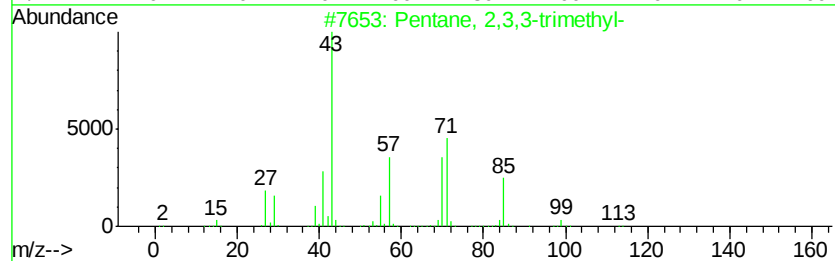
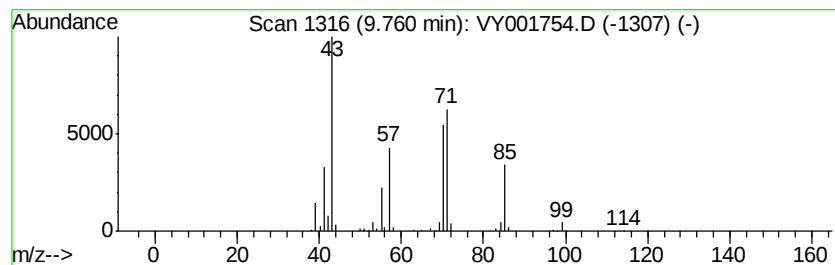
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Quant Title : SW846 8260

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

Peak Number 7 Pentane, 2,3,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	18.87 ug/l	261560	1,4-Difluorobenzene	8.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	80
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	64
3		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
4		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
5		Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
Data File : VY001754.D
Acq On : 21 Feb 2020 19:31
Operator : SY/MD
Sample : L1650-04
Misc : 6.79G/5ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-4

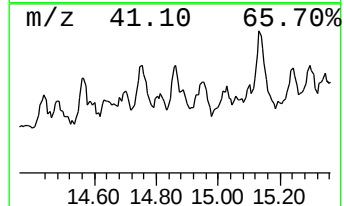
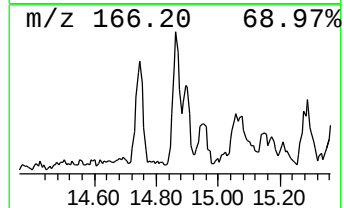
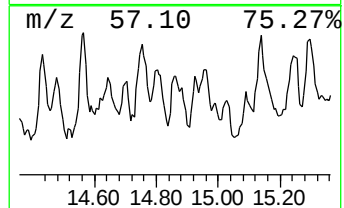
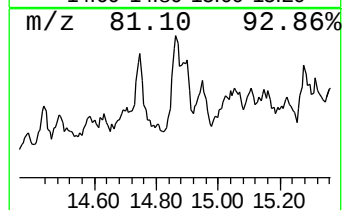
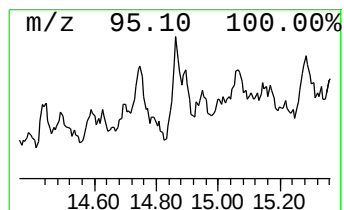
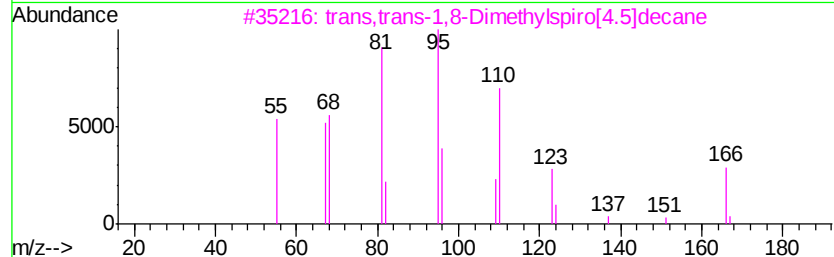
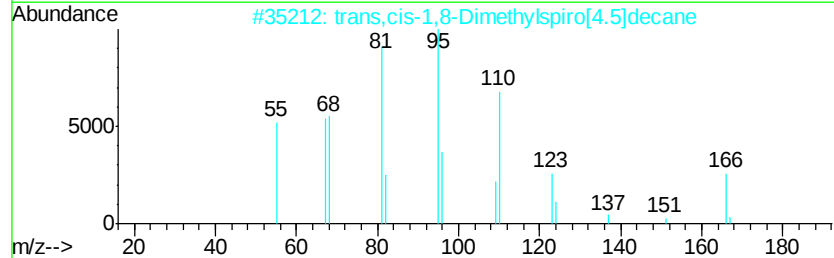
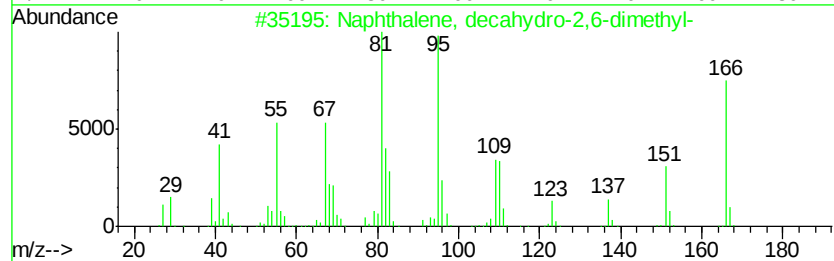
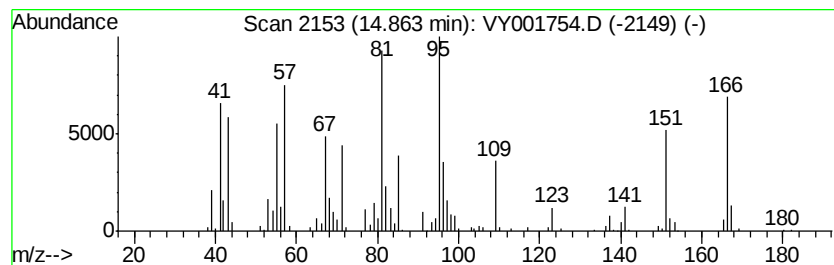
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, decahydro-2,6-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	11.08 ug/l	170874	1,4-Dichlorobenzene-d4	13.44

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	58
2		trans,cis-1,8-Dimethylspiro[4.5]...	166	C12H22	1000111-72-9	58
3		trans,trans-1,8-Dimethylspiro[4....	166	C12H22	1000111-72-8	58
4		2-Tridecyne	180	C13H24	028467-75-6	49
5		Naphthalene, decahydro-1,5-dimet...	166	C12H22	066552-62-3	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
Data File : VY001754.D
Acq On : 21 Feb 2020 19:31
Operator : SY/MD
Sample : L1650-04
Misc : 6.79G/5ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-4

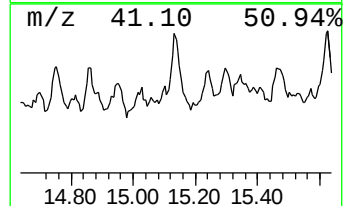
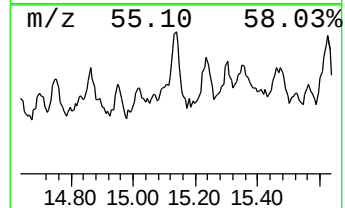
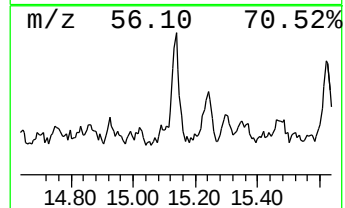
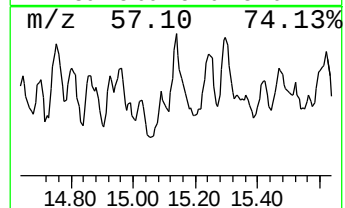
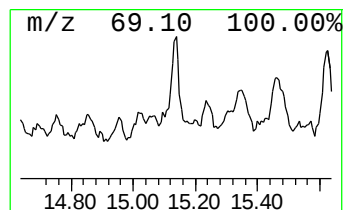
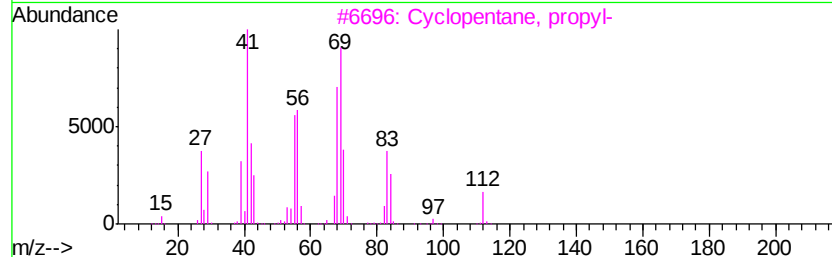
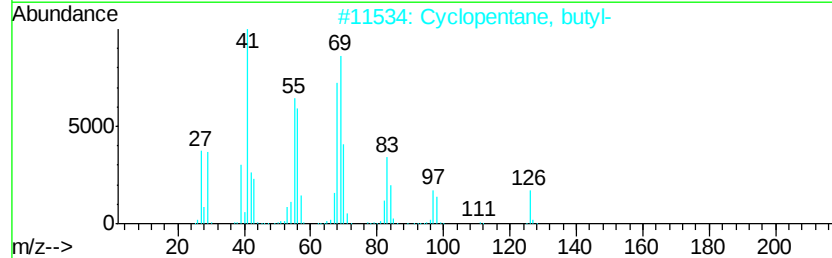
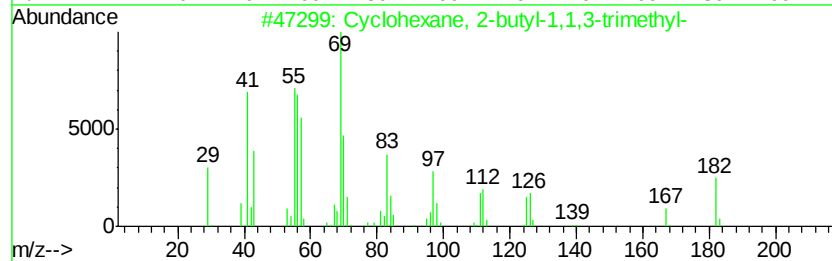
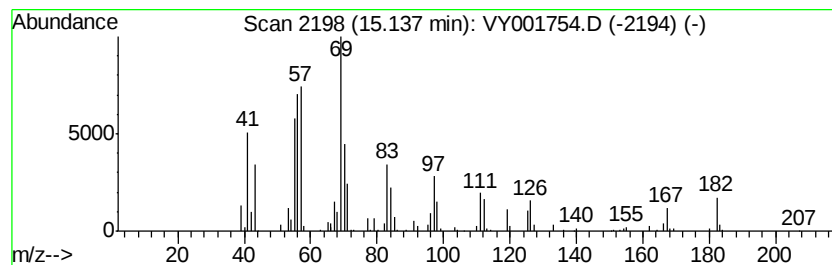
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	13.25 ug/l	204202	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	98
2		Cyclopentane, butyl-	126	C9H18	002040-95-1	76
3		Cyclopentane, propyl-	112	C8H16	002040-96-2	70
4		6-Tridecene	182	C13H26	024949-38-0	70
5		2-Methyl-1-dodecene	182	C13H26	016435-49-7	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
Data File : VY001754.D
Acq On : 21 Feb 2020 19:31
Operator : SY/MD
Sample : L1650-04
Misc : 6.79G/5ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampled :
EP-4

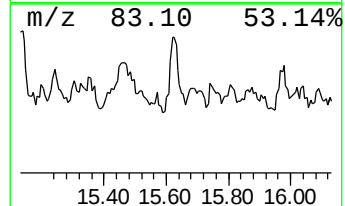
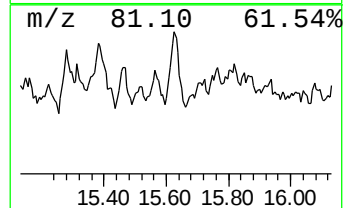
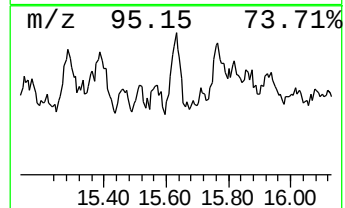
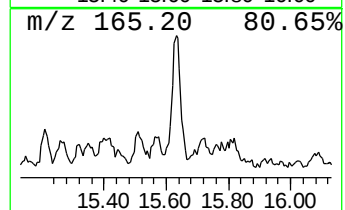
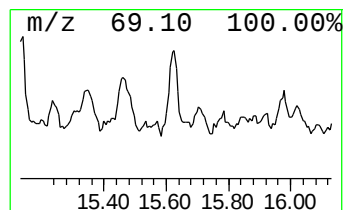
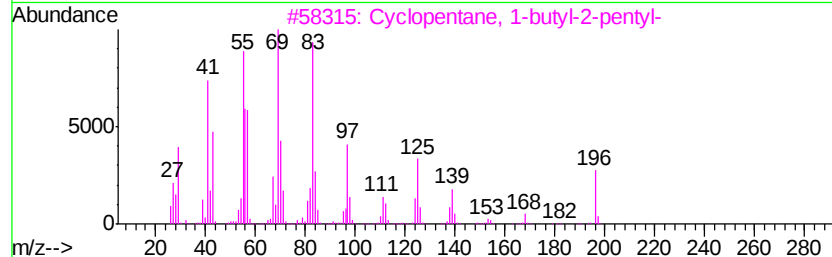
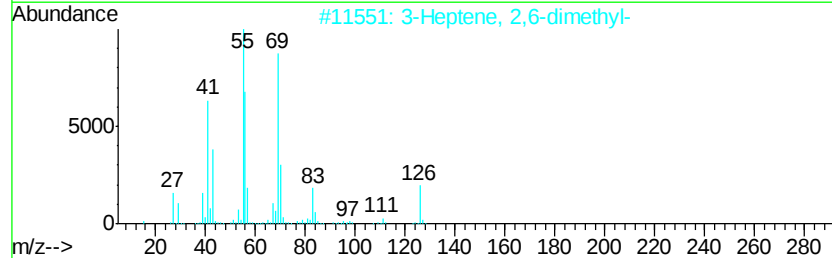
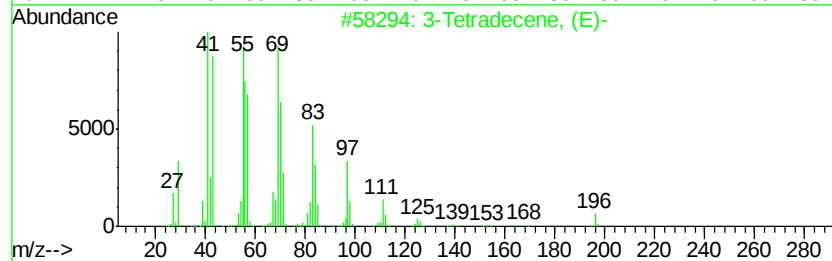
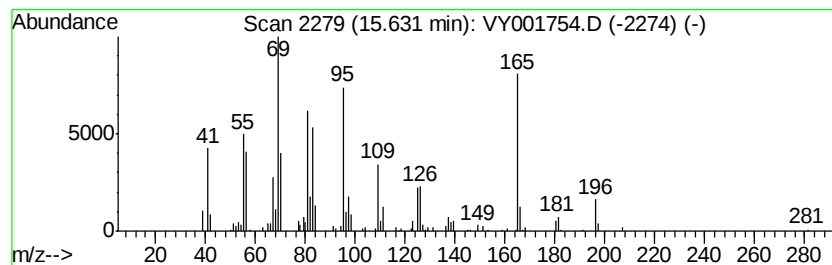
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

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

Peak Number 10 unknown15.63 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	12.29 ug/l	189472	1,4-Dichlorobenzene-d4	13.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Tetradecene, (E)-	196	C14H28	041446-68-8	43
2		3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	38
3		Cyclopentane, 1-butyl-2-pentyl-	196	C14H28	061142-52-7	35
4		Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	35
5		Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022120\
Data File : VY001754.D
Acq On : 21 Feb 2020 19:31
Operator : SY/MD
Sample : L1650-04
Misc : 6.79G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.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
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Pentane, 2,3-dime...	7.90	13.2	ug/l	128507	1	7.82	488439	50.0
Hexane, 2,2-dimet...	8.35	65.2	ug/l	903246	2	8.71	693065	50.0
Hexane, 2,4-dimet...	9.26	11.7	ug/l	162009	2	8.71	693065	50.0
Pentane, 2,3,4-tr...	9.63	25.1	ug/l	348075	2	8.71	693065	50.0
Pentane, 2,3,3-tr...	9.76	18.9	ug/l	261560	2	8.71	693065	50.0
Naphthalene, deca...	14.86	11.1	ug/l	170874	4	13.44	770756	50.0
Cyclohexane, 2-bu...	15.14	13.3	ug/l	204202	4	13.44	770756	50.0
unknown15.63	15.63	12.3	ug/l	189472	4	13.44	770756	50.0