

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003108.D
 Acq On : 06 Jul 2020 13:14
 Operator : SY/MD
 Sample : L3208-02
 Misc : 7.90G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-4743

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\82Y062920S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.962	355	365	383	rBV	34928	107932	2.42%	0.378%
2	4.724	479	490	501	rBV	39579	123254	2.77%	0.431%
3	7.724	973	982	988	rBV	174866	420035	9.42%	1.470%
4	7.797	988	994	1005	rVB2	344546	756450	16.97%	2.646%
5	8.150	1042	1052	1064	rBV	200755	434158	9.74%	1.519%
6	8.693	1132	1141	1154	rBV	528057	1011064	22.68%	3.537%
7	10.181	1378	1385	1392	rBV	806788	1361445	30.54%	4.763%
8	11.278	1556	1565	1576	rVB5	43141	124999	2.80%	0.437%
9	11.376	1576	1581	1586	rBV	57833	93441	2.10%	0.327%
10	11.491	1593	1600	1611	rVB	714334	1188607	26.67%	4.158%
11	11.680	1625	1631	1632	rVV4	42099	76954	1.73%	0.269%
12	11.711	1632	1636	1644	rVV2	136624	316447	7.10%	1.107%
13	11.778	1644	1647	1652	rVB2	55884	87656	1.97%	0.307%
14	11.930	1664	1672	1676	rVB5	24829	48873	1.10%	0.171%
15	12.003	1676	1684	1691	rBV4	133087	356144	7.99%	1.246%
16	12.119	1695	1703	1707	rVB	213241	312308	7.01%	1.093%
17	12.199	1712	1716	1718	rVV3	95502	139805	3.14%	0.489%
18	12.241	1718	1723	1728	rVV3	194671	425060	9.54%	1.487%
19	12.327	1732	1737	1740	rVV4	50643	105619	2.37%	0.370%
20	12.381	1741	1746	1747	rVV4	85613	155691	3.49%	0.545%
21	12.412	1747	1751	1754	rVV	210796	344232	7.72%	1.204%
22	12.479	1758	1762	1767	rVV	570396	874554	19.62%	3.060%
23	12.522	1767	1769	1773	rVV2	97818	114098	2.56%	0.399%
24	12.644	1785	1789	1796	rVB4	159075	295325	6.63%	1.033%
25	12.729	1796	1803	1807	rBV4	170419	370246	8.31%	1.295%
26	12.802	1807	1815	1821	rBV2	1047938	1770770	39.73%	6.195%
27	12.857	1821	1824	1829	rVB	172851	261764	5.87%	0.916%
28	12.918	1829	1834	1835	rBV3	32852	51744	1.16%	0.181%
29	12.948	1835	1839	1842	rBV3	111570	209632	4.70%	0.733%
30	13.040	1850	1854	1861	rVB	468397	716018	16.06%	2.505%
31	13.119	1861	1867	1871	rBV2	246884	423625	9.50%	1.482%
32	13.168	1871	1875	1880	rBV4	64087	88870	1.99%	0.311%
33	13.223	1880	1884	1886	rBV2	81907	120151	2.70%	0.420%
34	13.339	1892	1903	1910	rBV2	2406621	4457283	100.00%	15.594%

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35	13.424	1910	1917	1921	rBV3	670984	1157121	25.96%	4.048%
36	13.503	1926	1930	1934	rVV4	129747	164688	3.69%	0.576%
37	13.619	1945	1949	1953	rVB2	217082	270912	6.08%	0.948%
38	13.662	1953	1956	1965	rVB3	283104	516867	11.60%	1.808%
39	13.753	1965	1971	1975	rBV	1049274	1606509	36.04%	5.620%
40	13.796	1975	1978	1979	rBV2	57593	65787	1.48%	0.230%
41	13.820	1979	1982	1986	rVV	137945	200370	4.50%	0.701%
42	13.881	1989	1992	1994	rVV	89730	120718	2.71%	0.422%
43	13.912	1994	1997	2002	rVB	240784	332696	7.46%	1.164%
44	13.967	2002	2006	2011	rVB	314937	482593	10.83%	1.688%
45	14.015	2011	2014	2019	rVB2	102819	149870	3.36%	0.524%
46	14.076	2019	2024	2029	rBV2	394338	635376	14.25%	2.223%
47	14.131	2029	2033	2034	rBV	88834	107142	2.40%	0.375%
48	14.210	2041	2046	2050	rBV3	171880	348175	7.81%	1.218%
49	14.259	2050	2054	2058	rVV5	106884	245753	5.51%	0.860%
50	14.332	2063	2066	2070	rVB	279436	392446	8.80%	1.373%
51	14.381	2070	2074	2077	rBV	181929	230414	5.17%	0.806%
52	14.418	2077	2080	2084	rBV2	142001	177595	3.98%	0.621%
53	14.515	2092	2096	2100	rVB3	113208	199834	4.48%	0.699%
54	14.564	2100	2104	2108	rVV3	100173	181115	4.06%	0.634%
55	14.613	2108	2112	2116	rVB	378587	514140	11.53%	1.799%
56	14.674	2116	2122	2129	rBV4	600964	1250848	28.06%	4.376%
57	14.735	2129	2132	2138	rVB4	138263	233704	5.24%	0.818%
58	14.832	2144	2148	2153	rVB	121304	175845	3.95%	0.615%
59	14.942	2162	2166	2170	rBV3	123912	202868	4.55%	0.710%
60	15.003	2174	2176	2180	rVV2	103616	150639	3.38%	0.527%
61	15.052	2180	2184	2190	rVB2	142615	292700	6.57%	1.024%
62	15.198	2203	2208	2212	rBV5	30723	72883	1.64%	0.255%
63	15.344	2228	2232	2236	rBV3	37830	61197	1.37%	0.214%
64	15.521	2257	2261	2268	rBV6	22116	48612	1.09%	0.170%
65	15.728	2291	2295	2302	rVB6	37638	67781	1.52%	0.237%
66	16.161	2362	2366	2372	rBV7	25033	46981	1.05%	0.164%
67	16.228	2373	2377	2381	rBV7	22168	44674	1.00%	0.156%
68	16.478	2414	2418	2423	rBV6	48578	90060	2.02%	0.315%

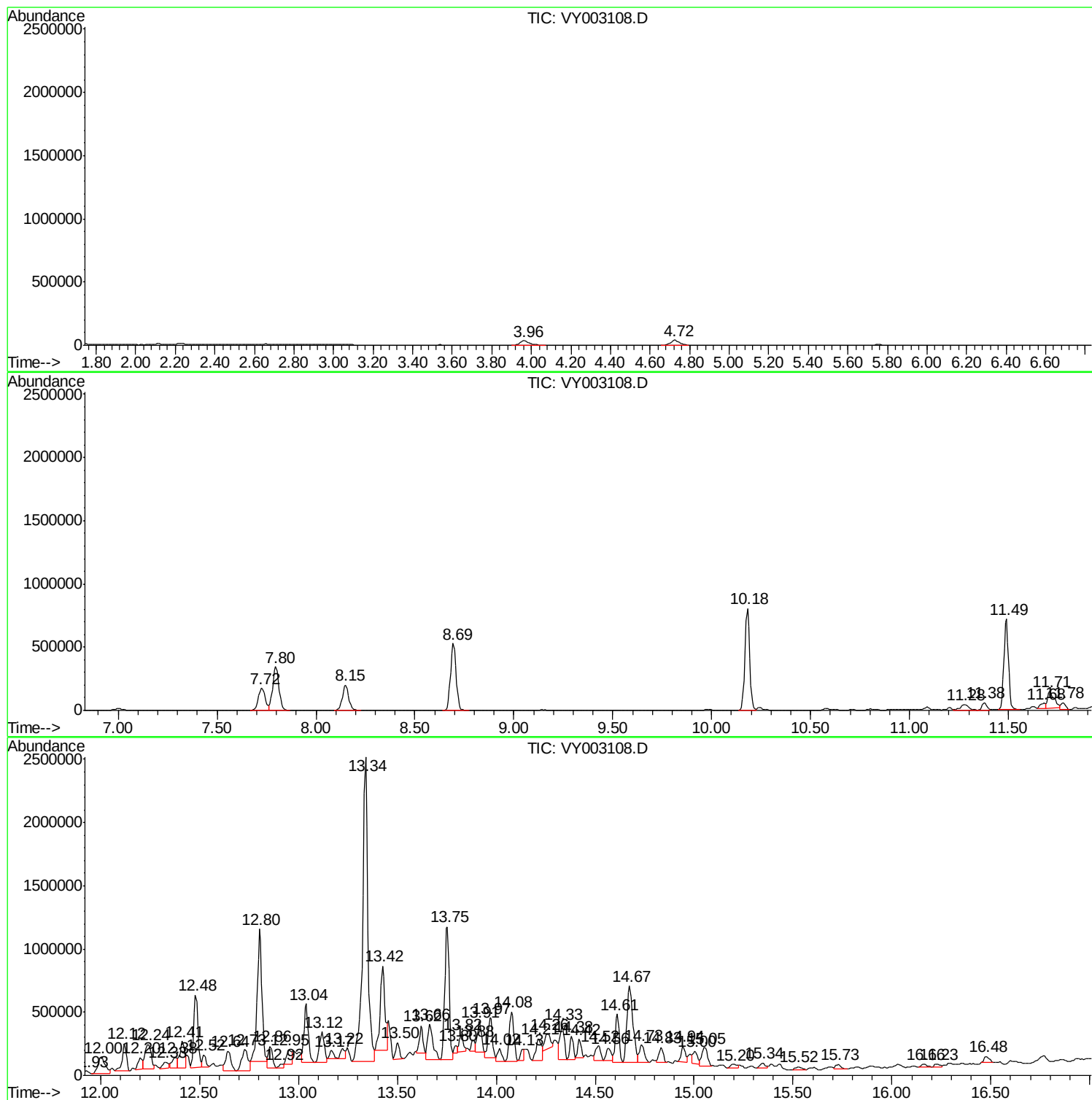
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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



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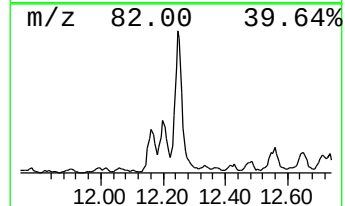
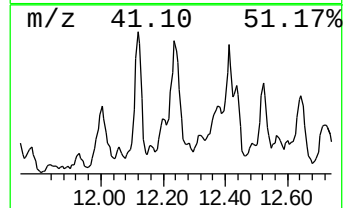
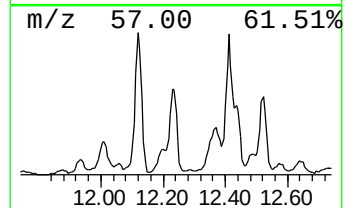
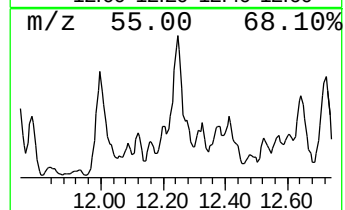
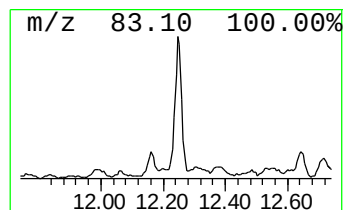
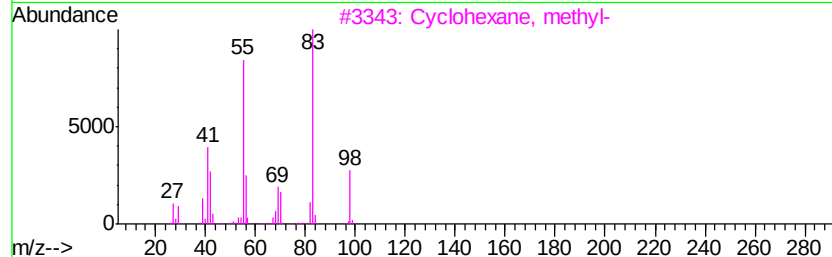
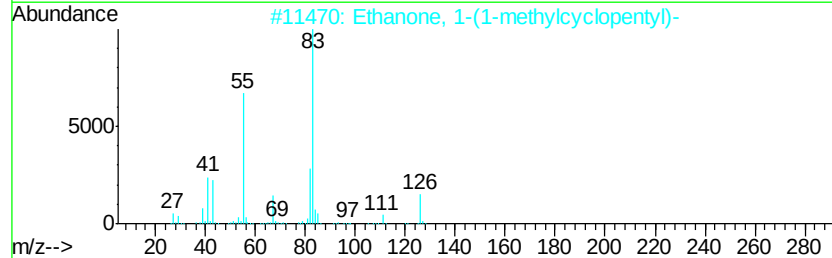
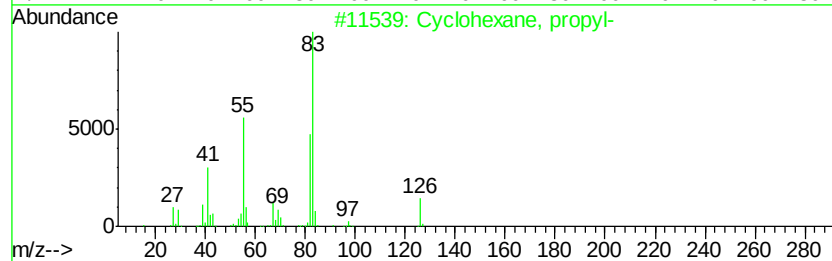
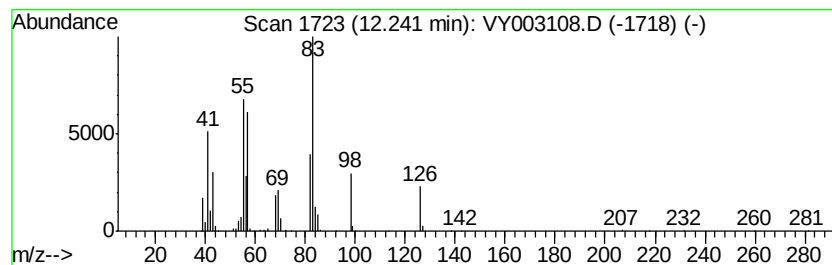
Instrument :
MSVOA_Y
ClientSampleId :
RT-4743

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.24	17.88 ug/l	425060	Chlorobenzene-d5	11.49		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, propyl-	126	C9H18	001678-92-8	62
2		Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	59
3		Cvclohexane, methyl-	98	C7H14	000108-87-2	50
4		4,4-Dimethyl-2-pentyl methylphos...	196	C8H18F02P	030593-65-8	43
5		Oxalic acid, cyclohexyl hexyl ester	256	C14H24O4	1000309-30-8	43



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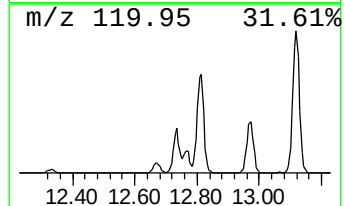
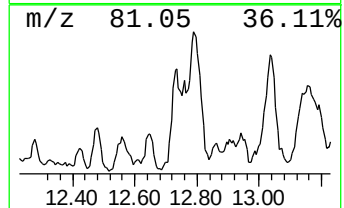
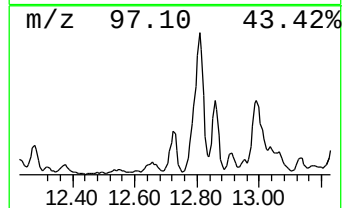
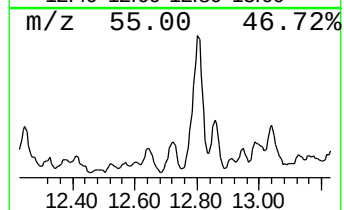
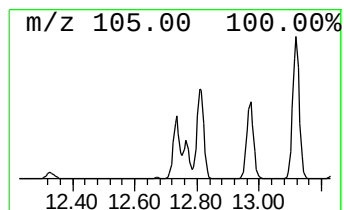
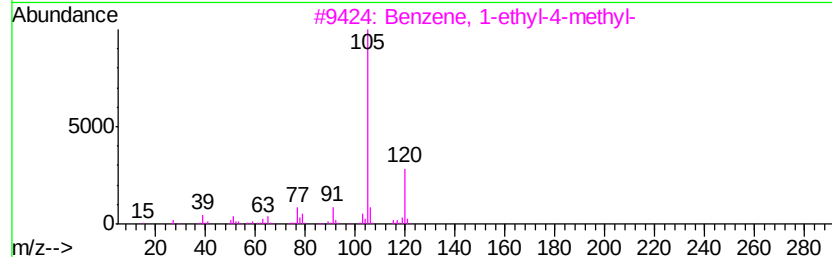
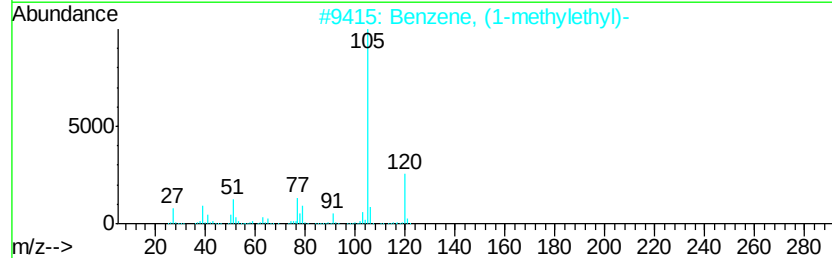
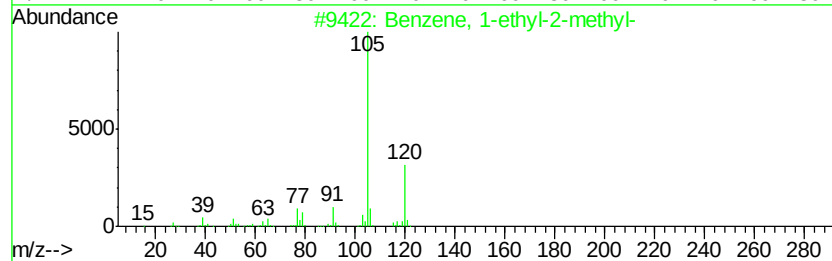
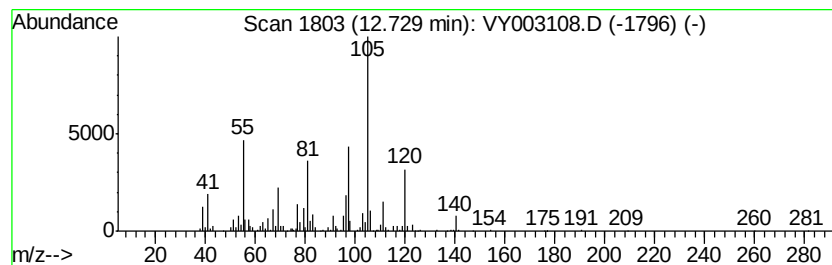
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	16.00 ug/l	370246	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
2		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	46
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	46
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	46
5		Mesitylene	120	C9H12	000108-67-8	46



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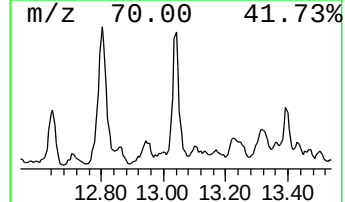
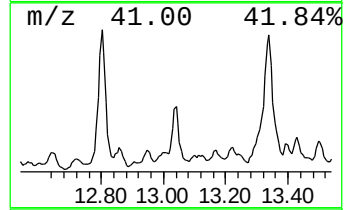
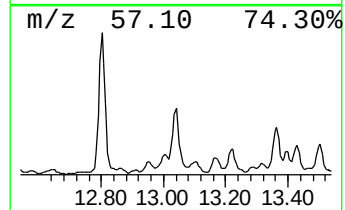
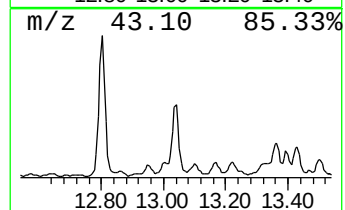
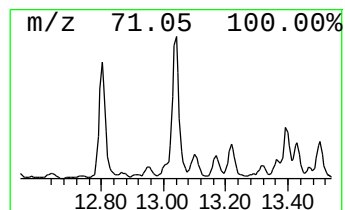
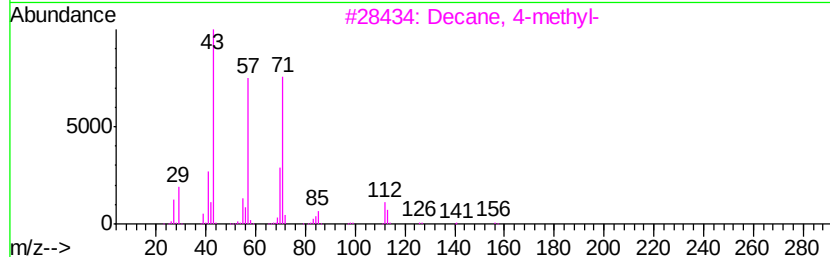
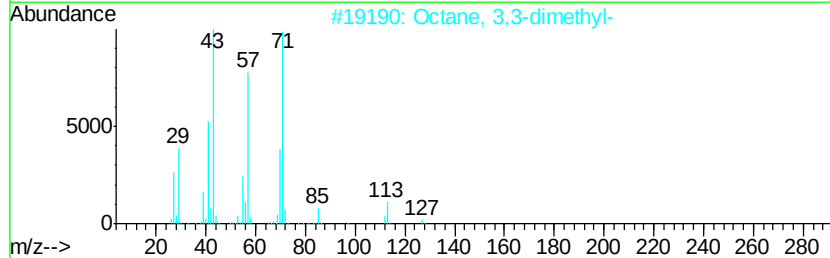
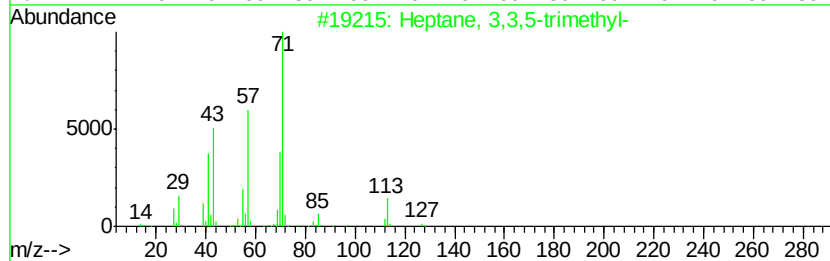
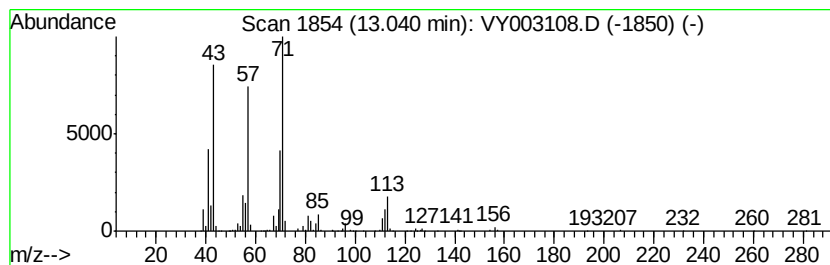
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Peak Number 3 Heptane, 3,3,5-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	30.94 ug/l	716018	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
2		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
3		Decane, 4-methyl-	156	C11H24	002847-72-5	64
4		4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	64
5		Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	50



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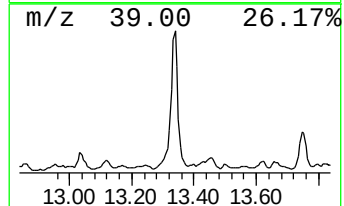
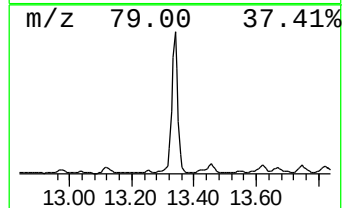
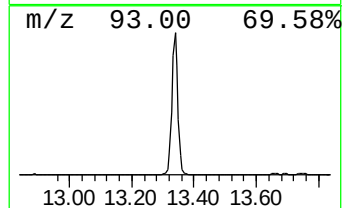
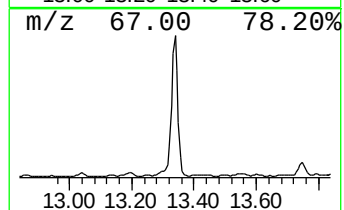
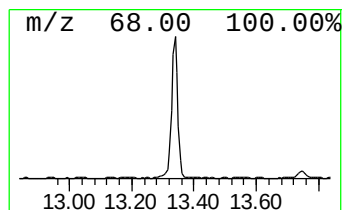
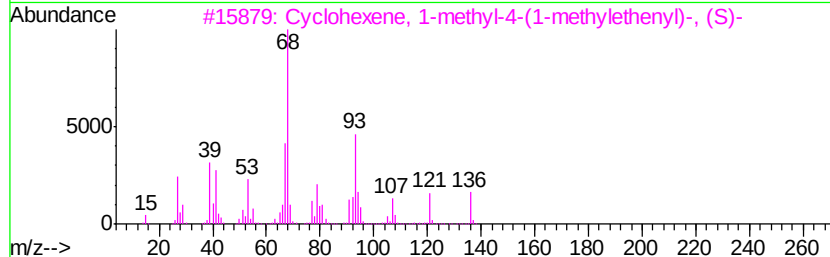
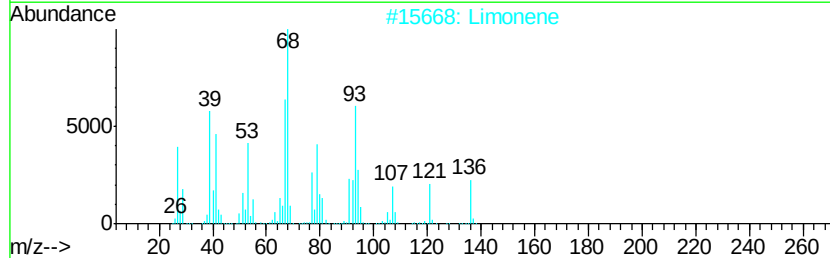
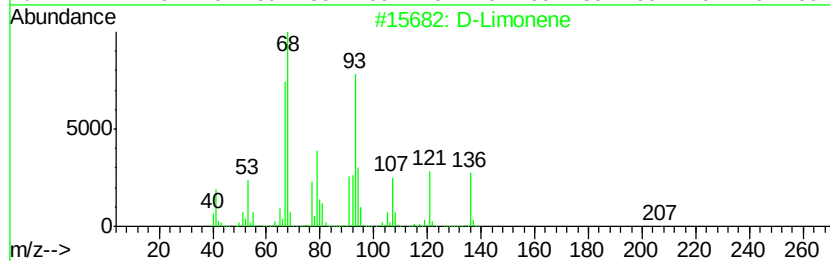
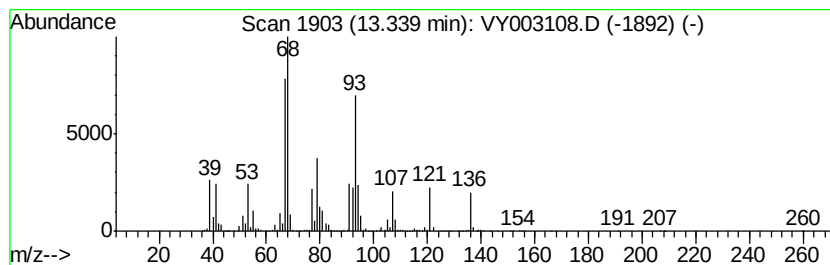
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Peak Number 4 D-Limonene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	192.60 ug/l	4457280	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Limonene	136	C10H16	005989-27-5	98
2		Limonene	136	C10H16	000138-86-3	94
3		Cyclohexene, 1-methyl-4-(1-methyl...	136	C10H16	005989-54-8	68
4		Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	58
5		Cyclohexanol, 1-methyl-4-(1-methyl...	196	C12H20O2	010198-23-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
Data File : VY003108.D
Acq On : 06 Jul 2020 13:14
Operator : SY/MD
Sample : L3208-02
Misc : 7.90G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

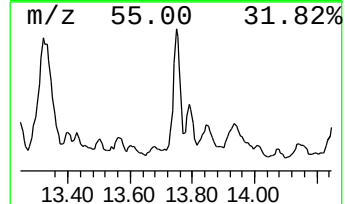
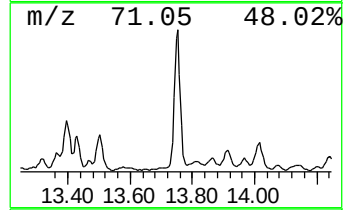
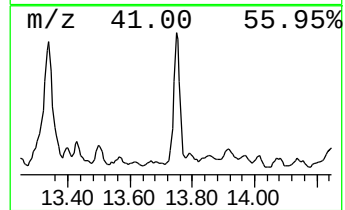
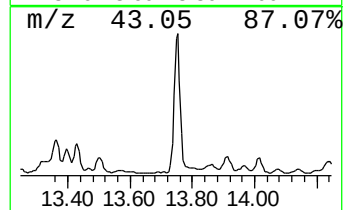
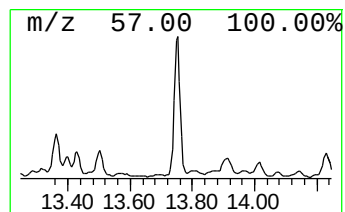
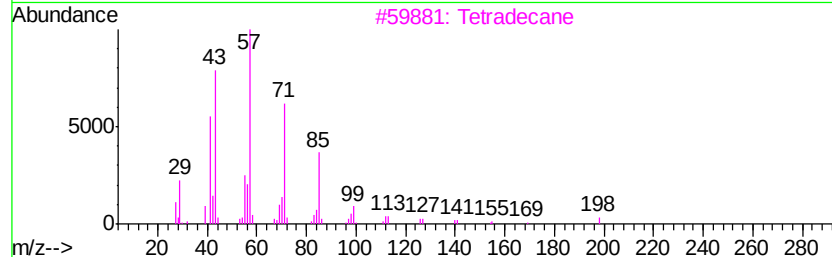
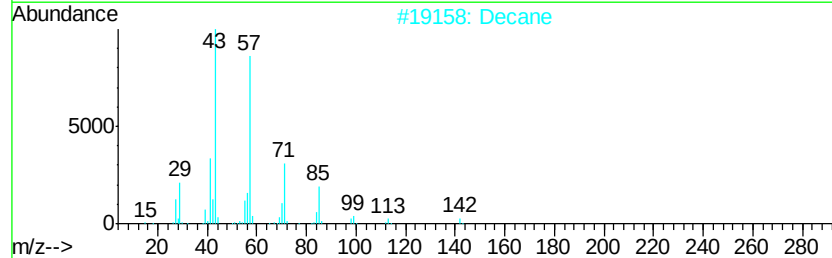
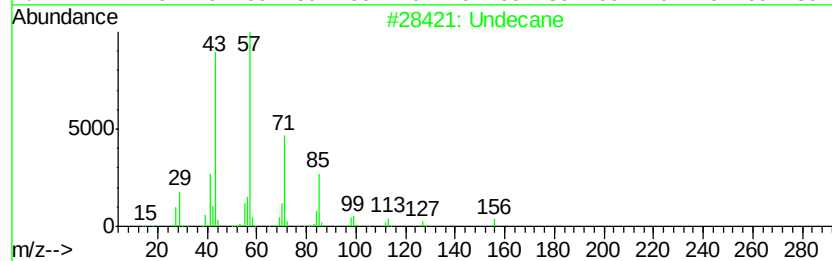
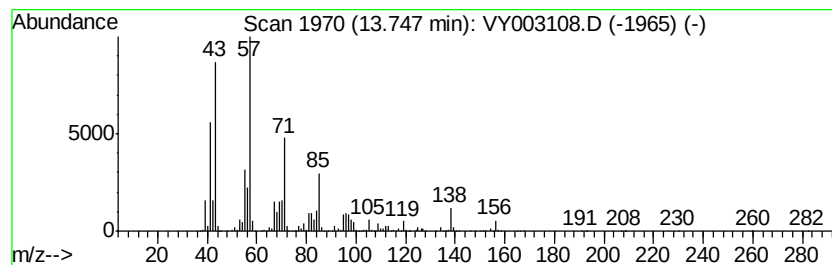
Instrument :
MSVOA_Y
ClientSampleId :
RT-4743

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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

Peak Number 5 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	69.42 ug/l	1606510	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane	156 C11H24	001120-21-4	81
2	Decane	142 C10H22	000124-18-5	72
3	Tetradecane	198 C14H30	000629-59-4	72
4	Tridecane	184 C13H28	000629-50-5	59
5	Hexadecane	226 C16H34	000544-76-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
Data File : VY003108.D
Acq On : 06 Jul 2020 13:14
Operator : SY/MD
Sample : L3208-02
Misc : 7.90G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RT-4743

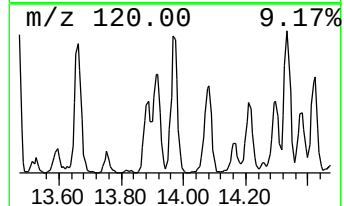
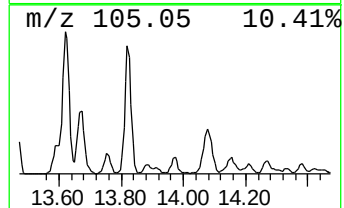
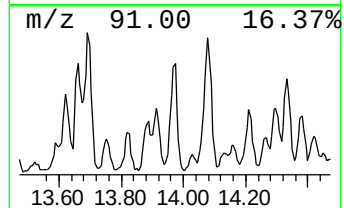
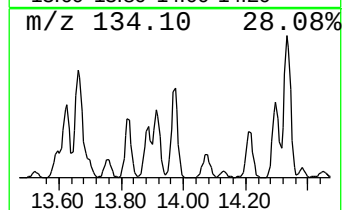
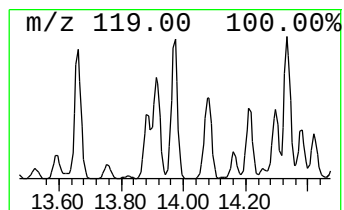
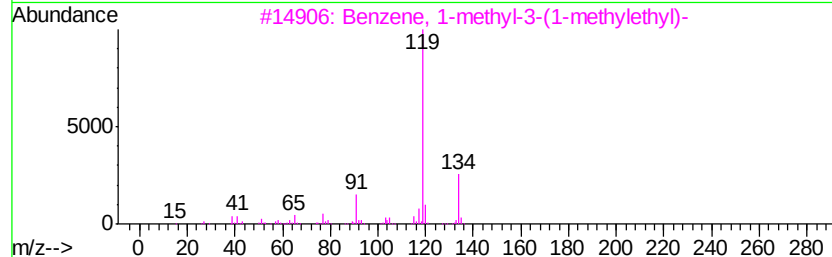
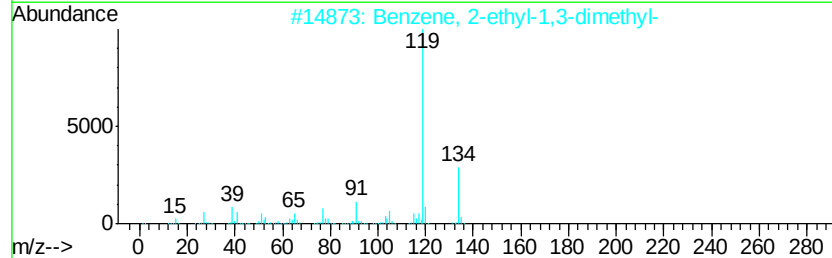
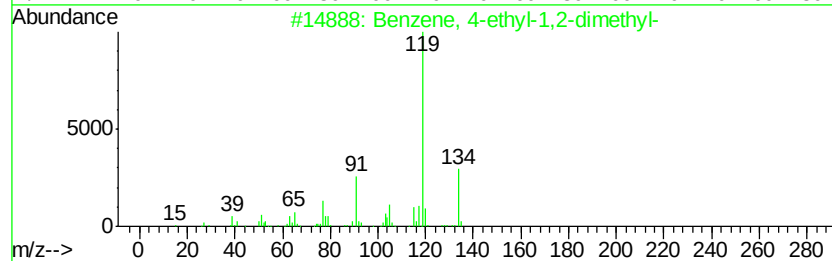
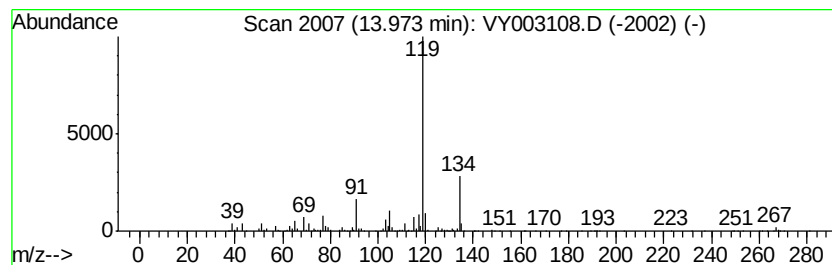
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	20.85 ug/l	482593	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	94
4		o-Cymene	134	C10H14	000527-84-4	94
5		p-Cymene	134	C10H14	000099-87-6	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
Data File : VY003108.D
Acq On : 06 Jul 2020 13:14
Operator : SY/MD
Sample : L3208-02
Misc : 7.90G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

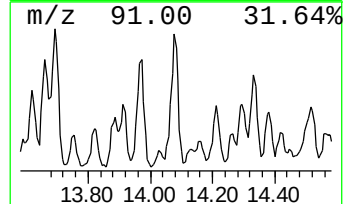
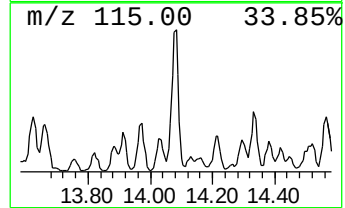
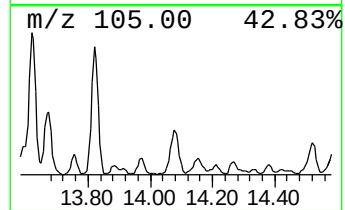
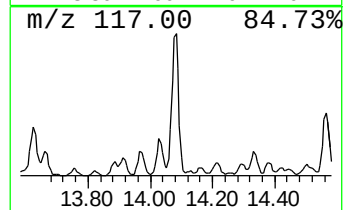
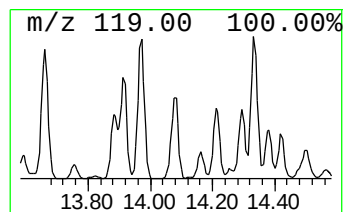
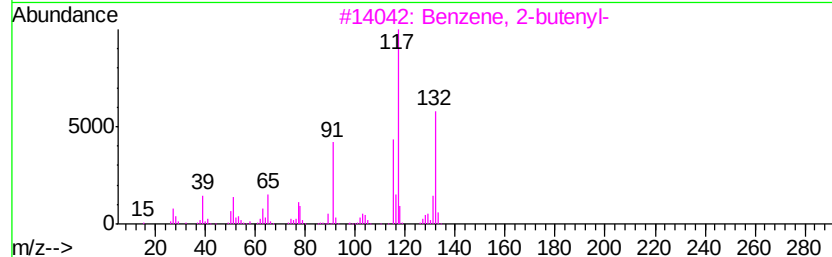
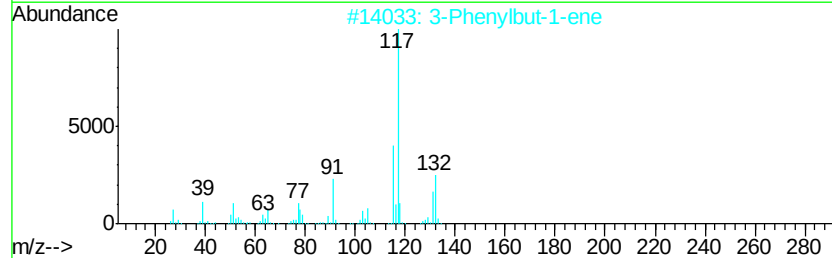
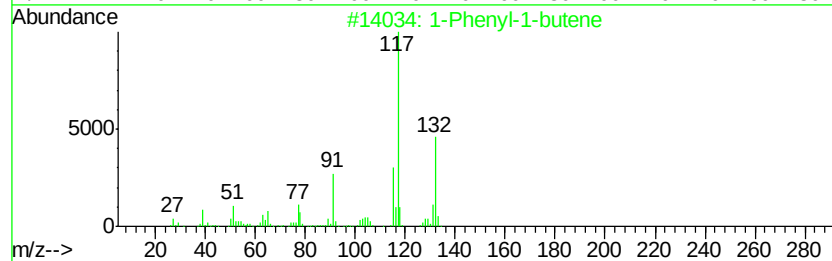
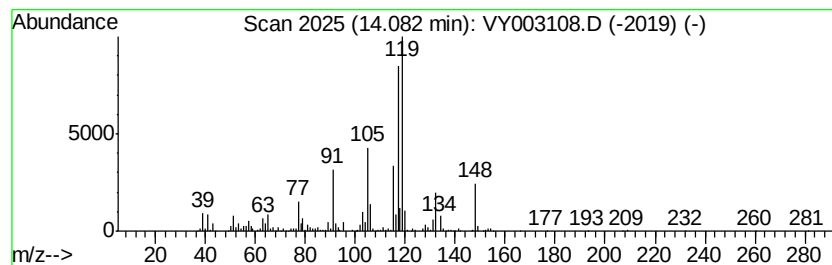
Instrument :
MSVOA_Y
ClientSampleId :
RT-4743

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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

Peak Number 7 1-Phenyl-1-butene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	27.46 ug/l	635376	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Phenyl-1-butene	132 C10H12	000824-90-8	64
2	3-Phenylbut-1-ene	132 C10H12	000934-10-1	64
3	Benzene, 2-butenyl-	132 C10H12	001560-06-1	50
4	Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000767-99-7	50
5	Benzene, (2-methylcyclopropyl)-	132 C10H12	1000327-39-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
Data File : VY003108.D
Acq On : 06 Jul 2020 13:14
Operator : SY/MD
Sample : L3208-02
Misc : 7.90G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

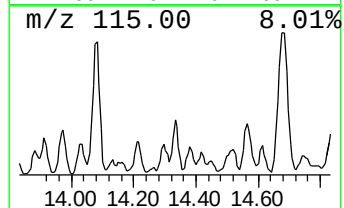
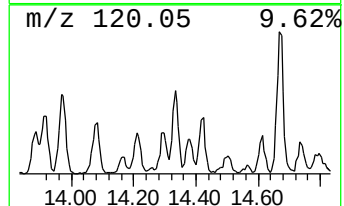
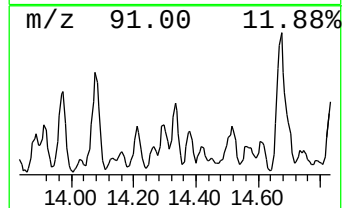
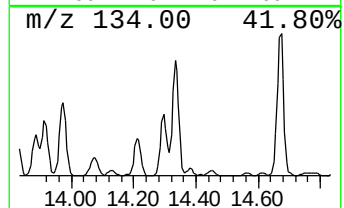
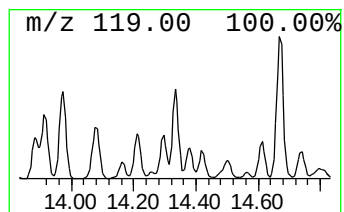
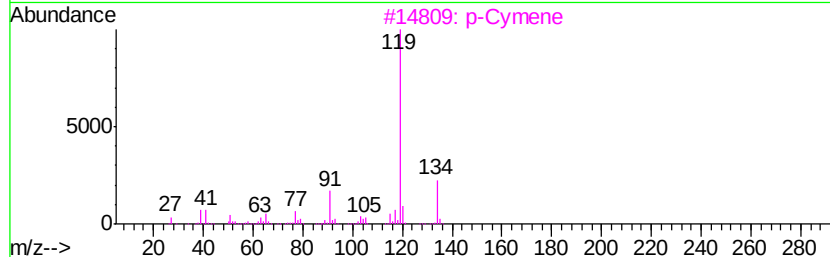
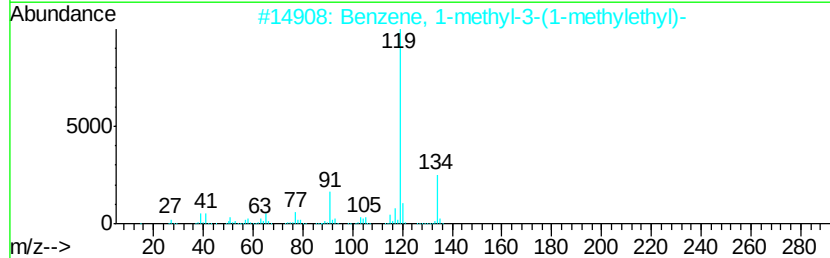
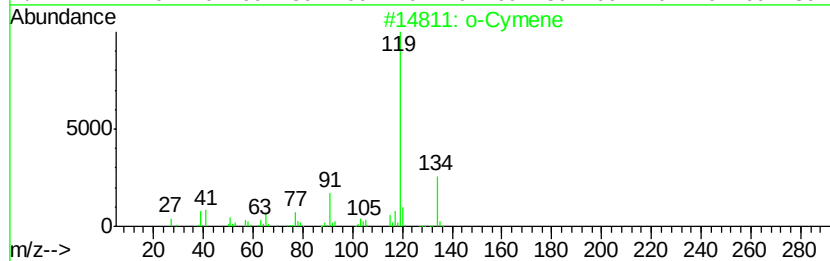
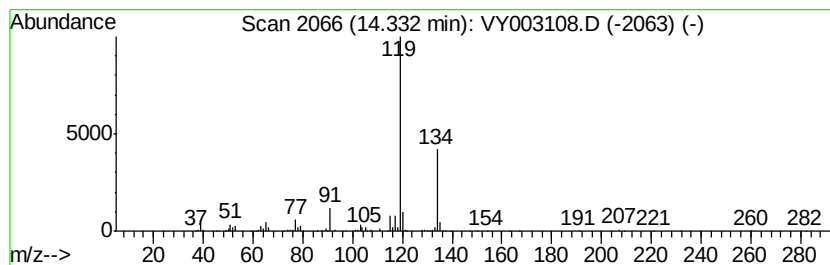
Instrument :
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ClientSampleId :
RT-4743

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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

Peak Number 8 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.33	16.96 ug/l	392446	1,4-Dichlorobenzene-d4	13.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		o-Cymene	134	C10H14	000527-84-4	94
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3		p-Cymene	134	C10H14	000099-87-6	94
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
Data File : VY003108.D
Acq On : 06 Jul 2020 13:14
Operator : SY/MD
Sample : L3208-02
Misc : 7.90G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

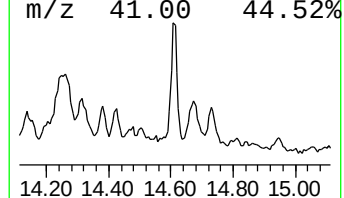
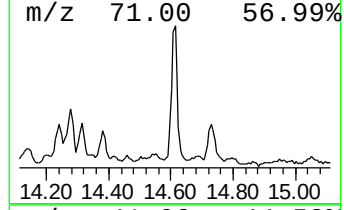
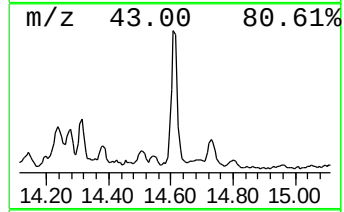
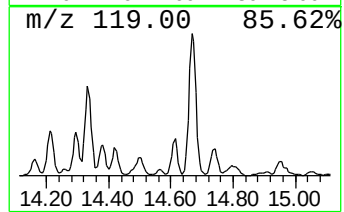
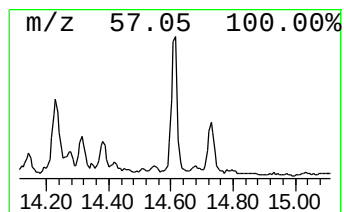
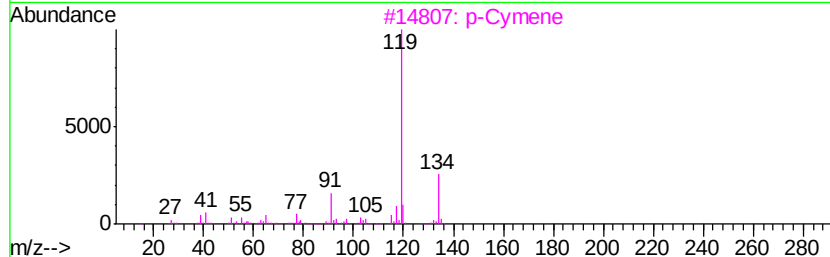
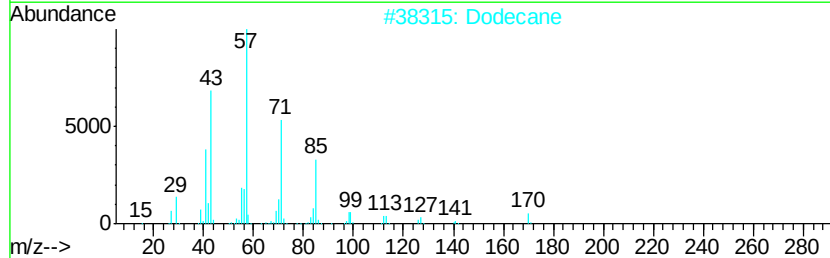
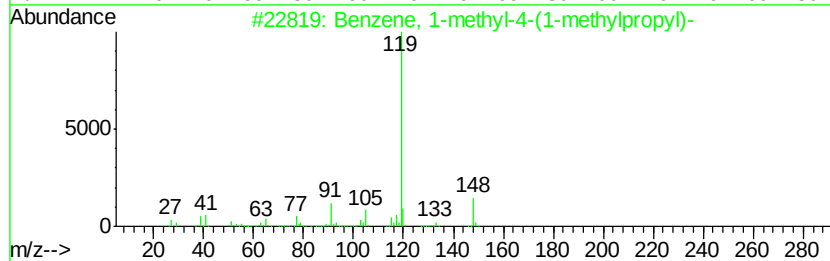
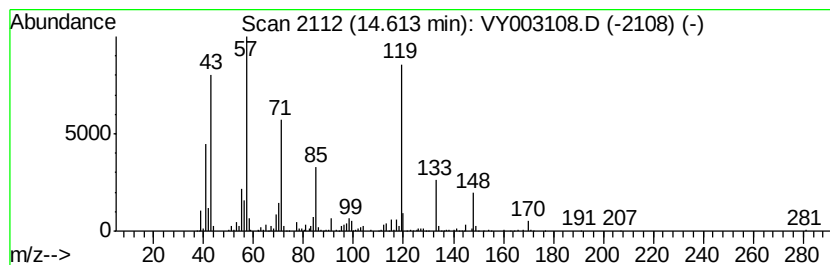
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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

Peak Number 9 unknown14.61 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	22.22 ug/l	514140	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148 C11H16	001595-16-0	43
2	Dodecane	170 C12H26	000112-40-3	42
3	p-Cymene	134 C10H14	000099-87-6	38
4	Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3	38
5	Tetradecane	198 C14H30	000629-59-4	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
Data File : VY003108.D
Acq On : 06 Jul 2020 13:14
Operator : SY/MD
Sample : L3208-02
Misc : 7.90G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

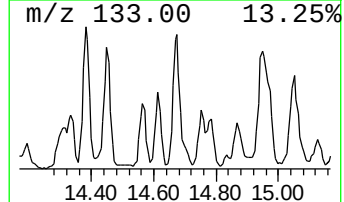
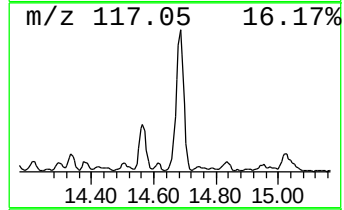
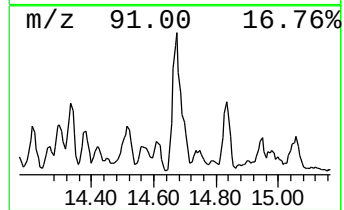
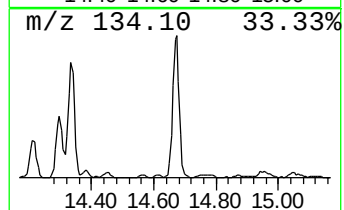
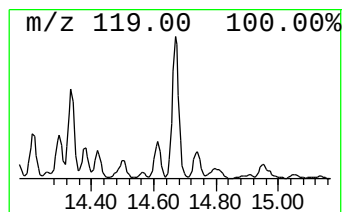
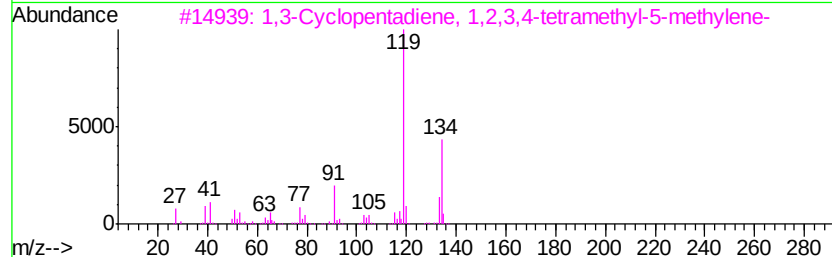
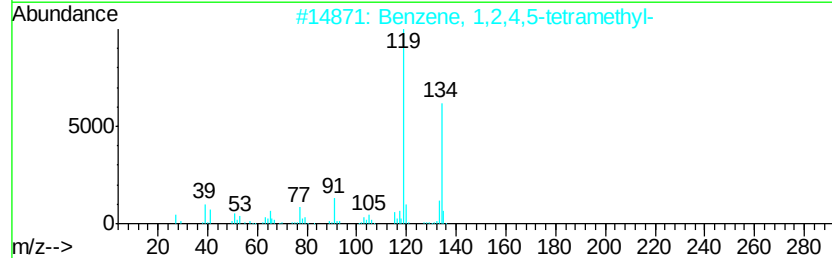
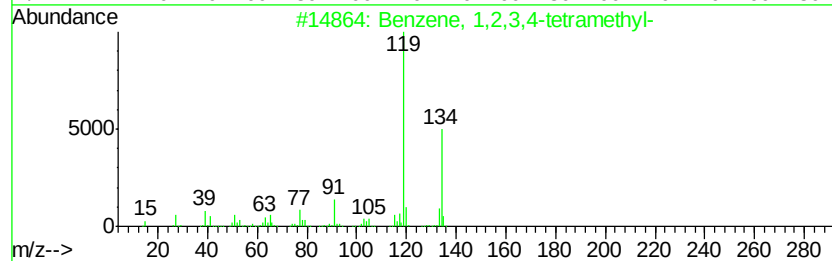
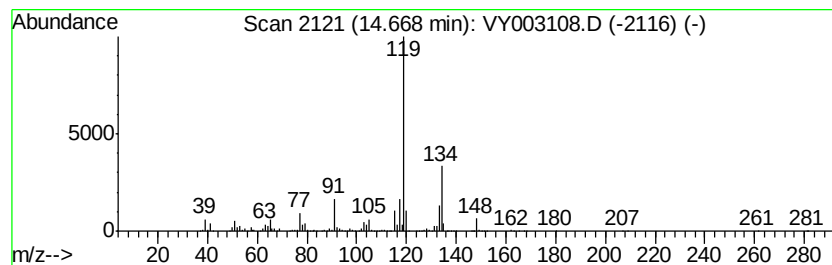
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	54.05 ug/l	1250850	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,2,3,4-tetramethyl-	134 C10H14	000488-23-3 81
2		Benzene, 1,2,4,5-tetramethyl-	134 C10H14	000095-93-2 81
3		1,3-Cyclopentadiene, 1,2,3,4-tet...	134 C10H14	076089-59-3 81
4		o-Cymene	134 C10H14	000527-84-4 76
5		Benzene, 1,2,3,5-tetramethyl-	134 C10H14	000527-53-7 74



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070620\
 Data File : VY003108.D
 Acq On : 06 Jul 2020 13:14
 Operator : SY/MD
 Sample : L3208-02
 Misc : 7.90G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-4743

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.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
Cyclohexane, propyl-	12.24	17.9	ug/l	425060	3	11.49	1188610	50.0
Benzene, 1-ethyl-...	12.73	16.0	ug/l	370246	4	13.42	1157120	50.0
Heptane, 3,3,5-tr...	13.04	30.9	ug/l	716018	4	13.42	1157120	50.0
D-Limonene	13.34	192.6	ug/l	4457280	4	13.42	1157120	50.0
Undecane	13.75	69.4	ug/l	1606510	4	13.42	1157120	50.0
Benzene, 4-ethyl-...	13.97	20.9	ug/l	482593	4	13.42	1157120	50.0
1-Phenyl-1-butene	14.08	27.5	ug/l	635376	4	13.42	1157120	50.0
o-Cymene	14.33	17.0	ug/l	392446	4	13.42	1157120	50.0
unknown14.61	14.61	22.2	ug/l	514140	4	13.42	1157120	50.0
Benzene, 1,2,3,4-...	14.67	54.0	ug/l	1250850	4	13.42	1157120	50.0