

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
 Data File : VY002723.D
 Acq On : 20 May 2020 12:00
 Operator : SY/MD
 Sample : L2497-05
 Misc : 7.19G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-051920

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\82Y051520S.M

Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.724	481	490	503	rBV2	13190	40866	2.61%	0.356%
2	7.724	973	982	988	rBV	223485	531359	34.00%	4.626%
3	7.797	988	994	1006	rVB	409742	910855	58.28%	7.929%
4	8.151	1039	1052	1064	rBV	195612	432505	27.68%	3.765%
5	8.693	1132	1141	1155	rVB	592121	1157886	74.09%	10.080%
6	10.181	1377	1385	1393	rBV	916060	1562787	100.00%	13.605%
7	11.089	1528	1534	1540	rVB	15123	25149	1.61%	0.219%
8	11.492	1592	1600	1608	rBV	786979	1295895	82.92%	11.281%
9	11.748	1635	1642	1651	rVB7	9560	32776	2.10%	0.285%
10	11.998	1676	1683	1689	rBV5	13491	34385	2.20%	0.299%
11	12.199	1707	1716	1718	rBV6	13321	24910	1.59%	0.217%
12	12.235	1719	1722	1727	rVV3	13683	19185	1.23%	0.167%
13	12.309	1727	1734	1742	rVV3	6245	21463	1.37%	0.187%
14	12.479	1756	1762	1769	rBV	614172	973215	62.27%	8.472%
15	12.558	1769	1775	1780	rVV7	7770	20086	1.29%	0.175%
16	12.644	1785	1789	1796	rVB4	26016	46355	2.97%	0.404%
17	12.735	1796	1804	1808	rBV9	13304	38269	2.45%	0.333%
18	12.808	1810	1816	1831	rVB10	27326	82840	5.30%	0.721%
19	12.949	1835	1839	1844	rVB5	12001	17589	1.13%	0.153%
20	13.040	1850	1854	1862	rVB7	17489	40940	2.62%	0.356%
21	13.125	1864	1868	1871	rBV5	12443	20287	1.30%	0.177%
22	13.308	1892	1898	1903	rBV7	19425	47904	3.07%	0.417%
23	13.424	1911	1917	1925	rVB	734238	1136461	72.72%	9.894%
24	13.497	1925	1929	1931	rBV3	14108	21890	1.40%	0.191%
25	13.619	1943	1949	1951	rBV6	13247	25952	1.66%	0.226%
26	13.668	1953	1957	1959	rBV2	15050	22922	1.47%	0.200%
27	13.747	1965	1970	1975	rBV4	77365	130333	8.34%	1.135%
28	13.796	1975	1978	1984	rBV6	13515	33612	2.15%	0.293%
29	13.967	2003	2006	2011	rVB2	44035	63352	4.05%	0.552%
30	14.076	2019	2024	2029	rBV4	55522	99328	6.36%	0.865%
31	14.131	2029	2033	2041	rVV7	46817	114394	7.32%	0.996%
32	14.198	2041	2044	2048	rVV6	20181	34604	2.21%	0.301%
33	14.253	2049	2053	2064	rVV4	93912	205197	13.13%	1.786%
34	14.381	2069	2074	2077	rBV2	67892	108084	6.92%	0.941%

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Integration Parameters: RTEINT.P

Integrator: RTE
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Sampling : 1
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Stop Thrs : 0
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Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Title : SW846 8260

35	14.418	2077	2080	2084	rVB3	77328	101478	6.49%	0.883%
36	14.570	2100	2105	2109	rBV8	21727	46646	2.98%	0.406%
37	14.613	2109	2112	2117	rVB3	44114	58778	3.76%	0.512%
38	14.680	2117	2123	2128	rBV5	90450	202509	12.96%	1.763%
39	14.735	2128	2132	2138	rVB5	58834	103864	6.65%	0.904%
40	14.942	2162	2166	2170	rBV3	81346	127179	8.14%	1.107%
41	15.052	2179	2184	2194	rVB4	66221	177364	11.35%	1.544%
42	15.217	2205	2211	2214	rBV7	53261	111666	7.15%	0.972%
43	15.290	2220	2223	2228	rVB2	46593	62203	3.98%	0.542%
44	15.369	2229	2236	2238	rBV3	42788	98879	6.33%	0.861%
45	15.436	2244	2247	2255	rVB8	46357	91192	5.84%	0.794%
46	15.534	2255	2263	2269	rBV7	33778	118913	7.61%	1.035%
47	15.686	2281	2288	2291	rBV5	46088	113791	7.28%	0.991%
48	15.723	2292	2294	2300	rVB5	50111	83967	5.37%	0.731%
49	15.881	2315	2320	2326	rBV4	35499	85914	5.50%	0.748%
50	16.033	2338	2345	2350	rBV3	64259	139584	8.93%	1.215%
51	16.155	2362	2365	2369	rBV6	25722	41194	2.64%	0.359%
52	16.229	2372	2377	2383	rVV3	82334	169729	10.86%	1.478%
53	16.296	2384	2388	2393	rVB3	34824	59124	3.78%	0.515%
54	16.485	2413	2419	2427	rBV3	37653	119313	7.63%	1.039%

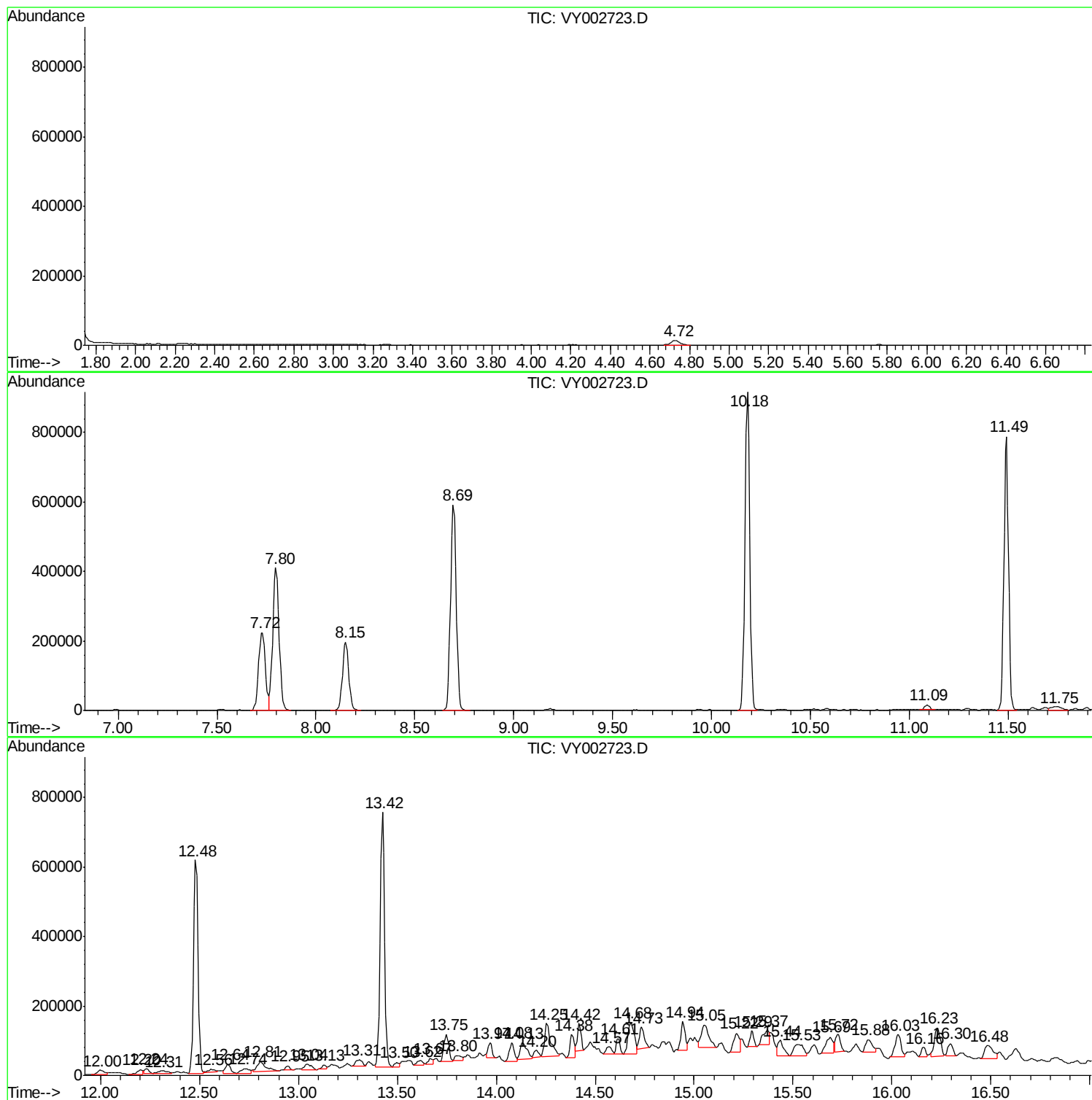
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260

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



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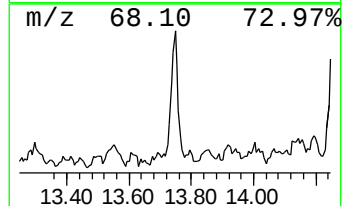
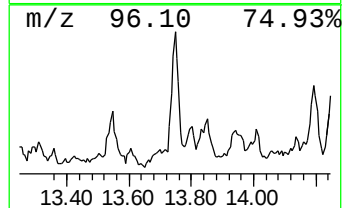
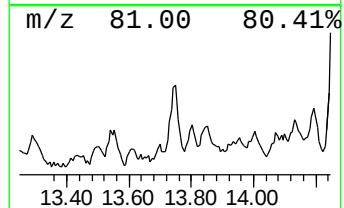
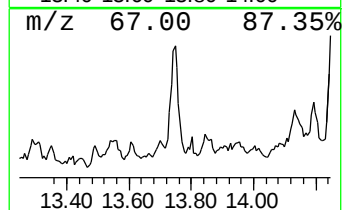
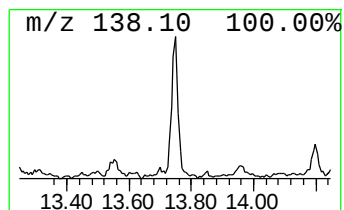
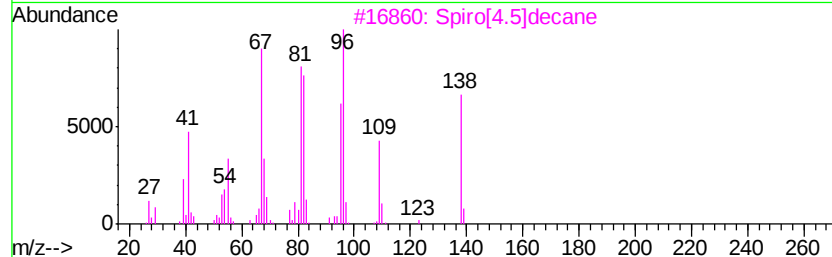
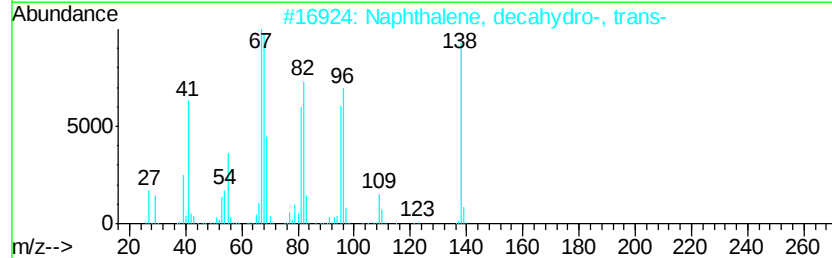
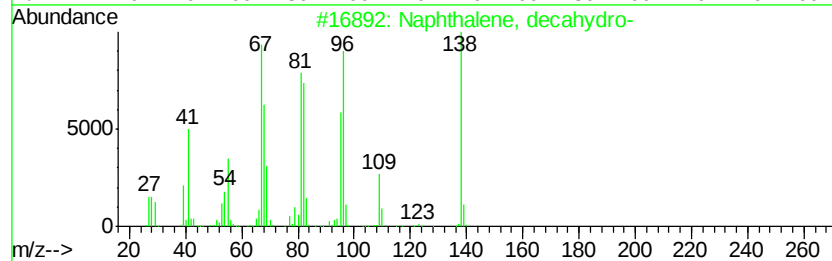
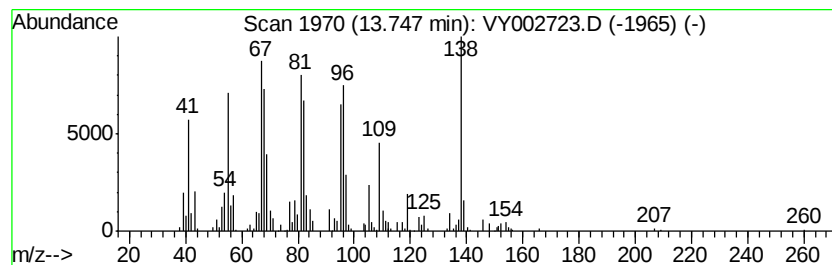
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-051920

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260

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

Peak Number 1 Naphthalene, decahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	5.73 ug/l	130333	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-	138 C10H18	000091-17-8 96
2		Naphthalene, decahydro-, trans-	138 C10H18	000493-02-7 95
3		Spiro[4.5]decane	138 C10H18	000176-63-6 93
4		Cyclodecanol	156 C10H20O	001502-05-2 91
5		Naphthalene, decahydro-, cis-	138 C10H18	000493-01-6 87



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Misc : 7.19G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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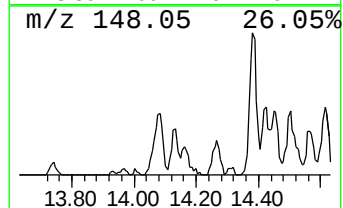
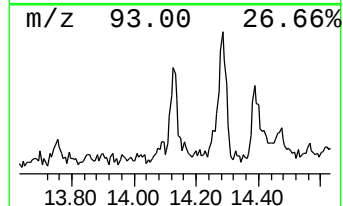
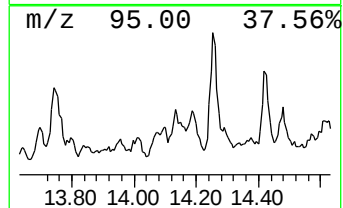
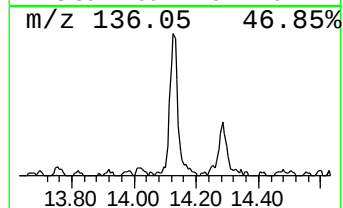
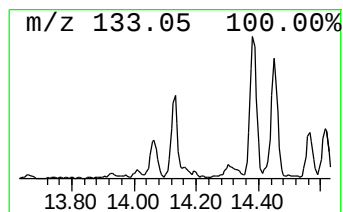
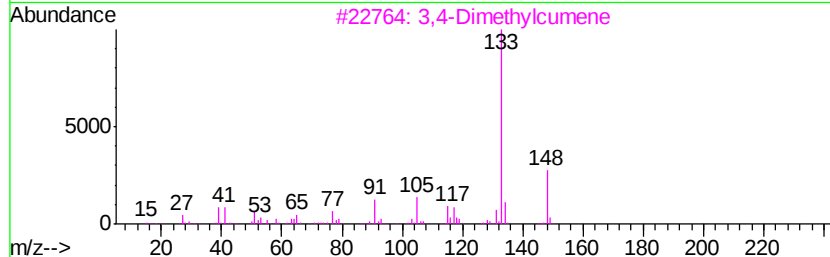
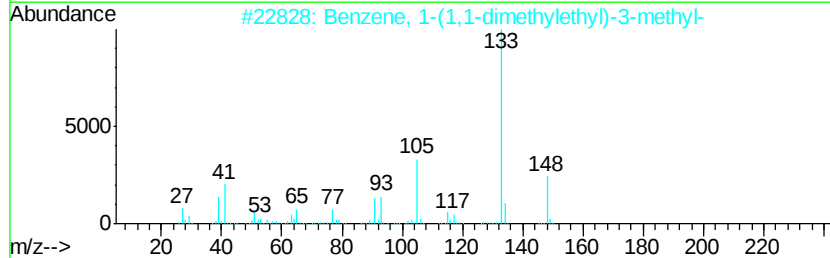
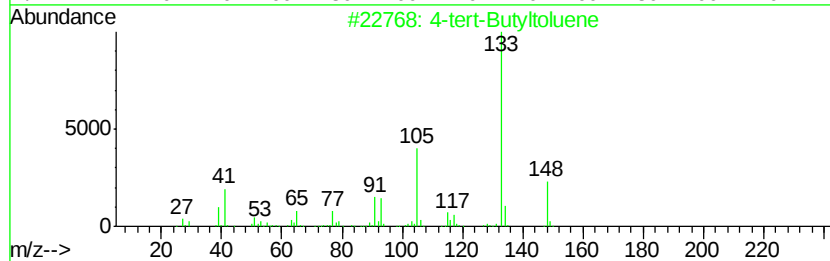
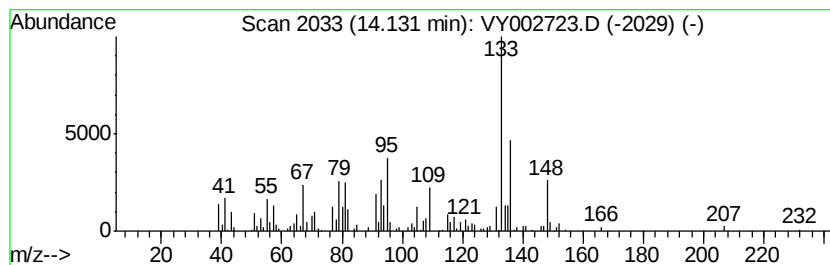
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260

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

Peak Number 2 4-tert-Butyltoluene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	5.03 ug/l	114394	1,4-Dichlorobenzene-d4	13.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-tert-Butyltoluene	148	C11H16	000098-51-1	50
2			Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	50
3			3,4-Dimethylcumene	148	C11H16	1000370-34-1	50
4			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46
5			1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	46



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Misc : 7.19G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

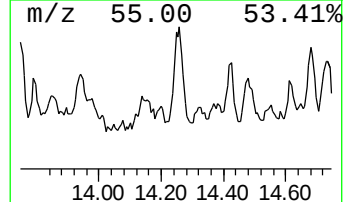
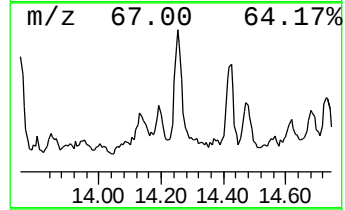
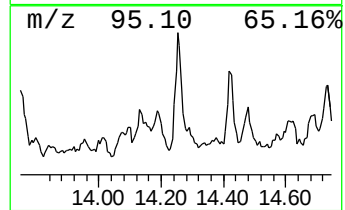
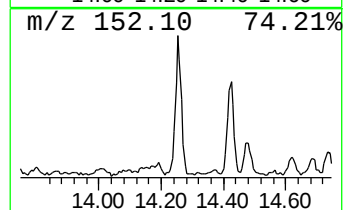
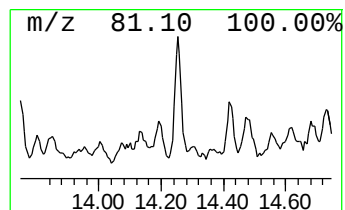
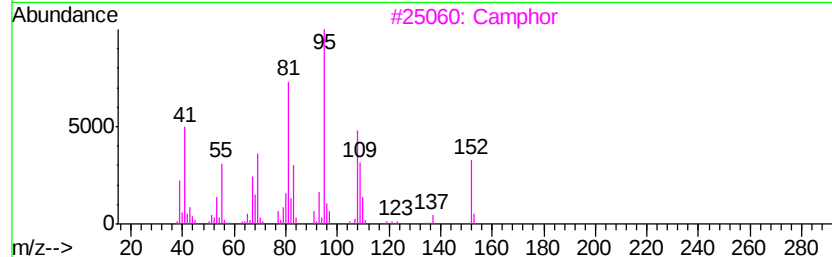
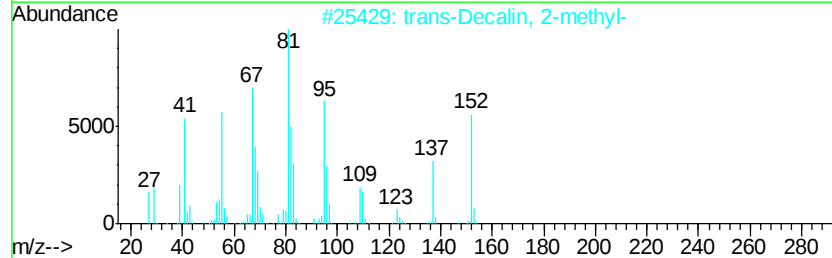
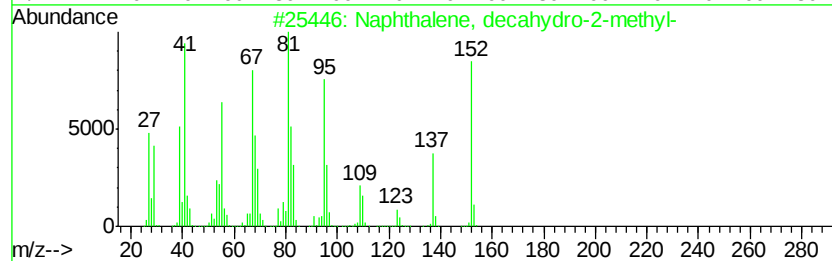
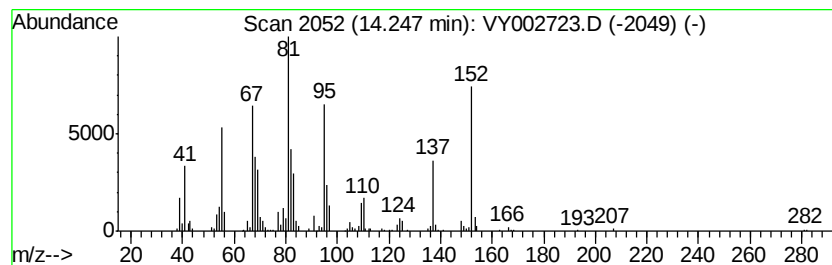
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Peak Number 3 Naphthalene, decahydro-2-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	9.03 ug/l	205197	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 97
2		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 83
3		Camphor	152 C10H16O	000076-22-2 68
4		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152 C10H16O	004176-04-9 64
5		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152 C10H16O	004176-01-6 58



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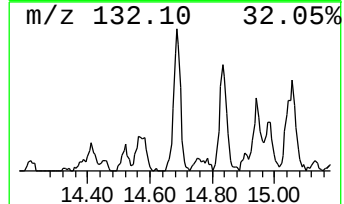
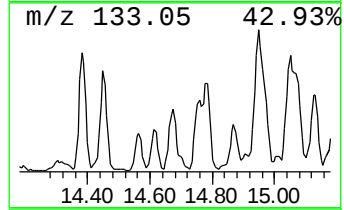
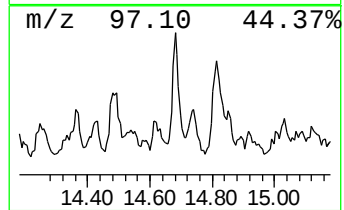
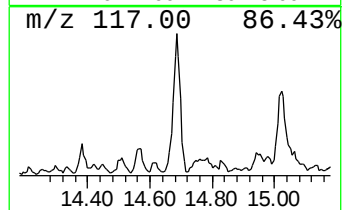
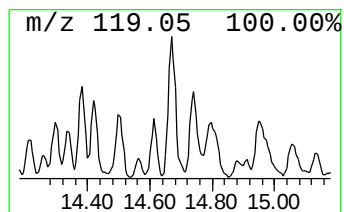
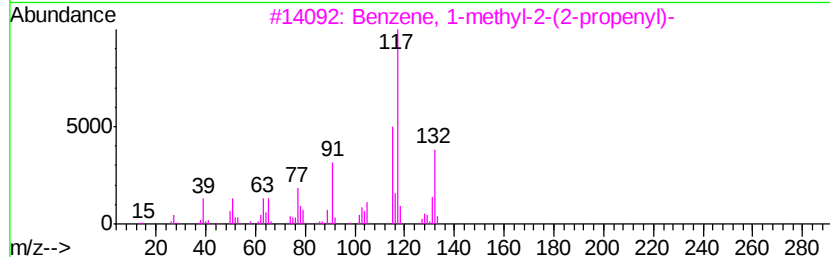
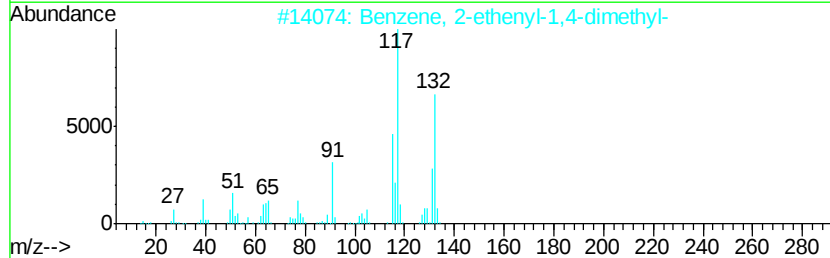
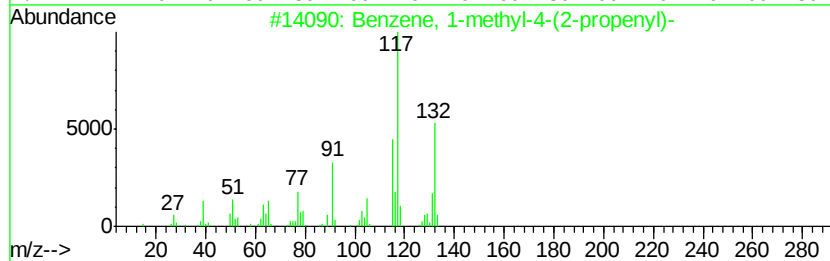
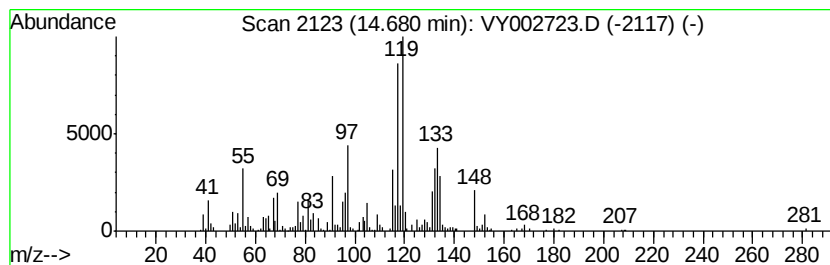
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1-methyl-4-(2-prop... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	8.91 ug/l	202509	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-4-(2-propenyl)-	132 C10H12	003333-13-9 68
2		Benzene, 2-ethenyl-1,4-dimethyl-	132 C10H12	002039-89-6 60
3		Benzene, 1-methyl-2-(2-propenyl)-	132 C10H12	001587-04-8 43
4		1H-Indene, 2,3-dihydro-5-methyl-	132 C10H12	000874-35-1 38
5		1H-Indene, 2,3-dihydro-4-methyl-	132 C10H12	000824-22-6 38



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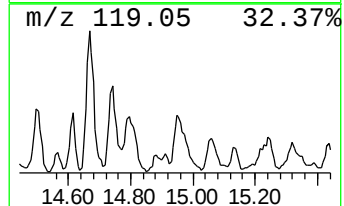
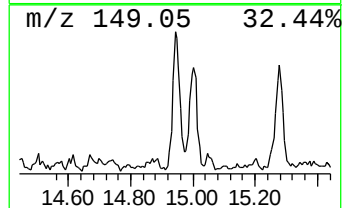
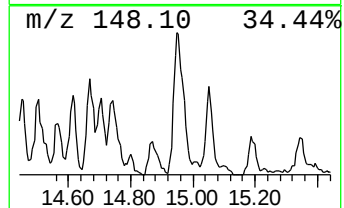
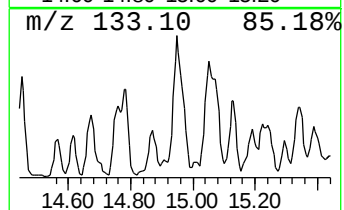
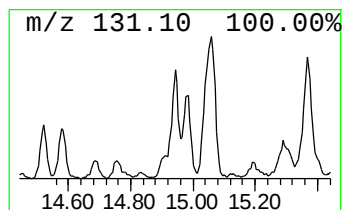
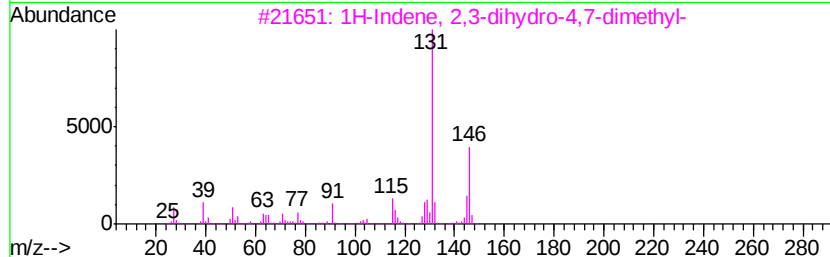
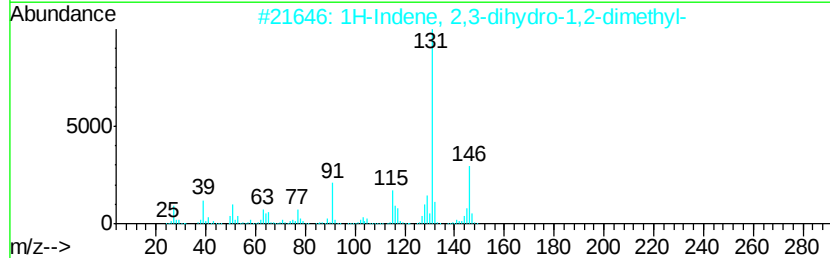
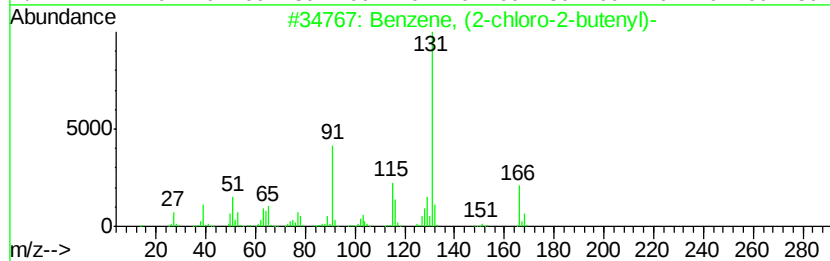
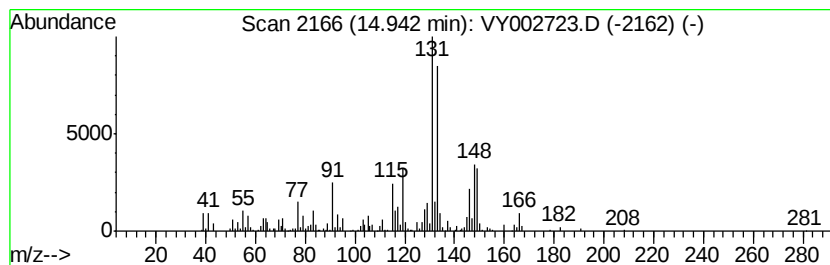
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-051920

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260

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

Peak Number 5 Benzene, (2-chloro-2-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	5.60 ug/l	127179	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, (2-chloro-2-butenyl)-	166 C10H11Cl	054411-12-0 83
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8 55
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9 55
4		Benzene, 1-methyl-3-(1-methyl-2-...	146 C11H14	052161-57-6 46
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146 C11H14	017059-48-2 42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
Data File : VY002723.D
Acq On : 20 May 2020 12:00
Operator : SY/MD
Sample : L2497-05
Misc : 7.19G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

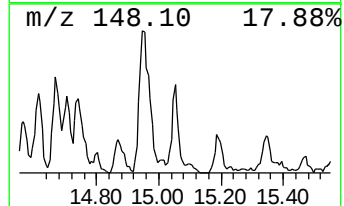
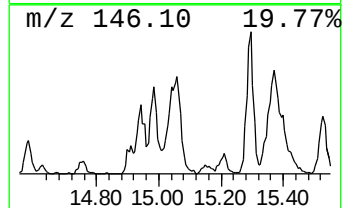
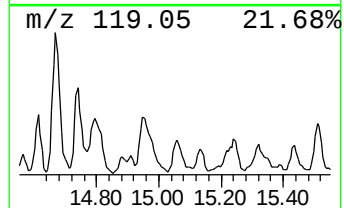
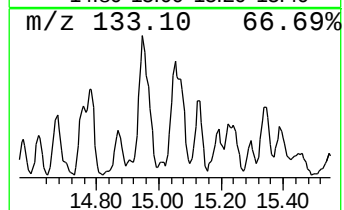
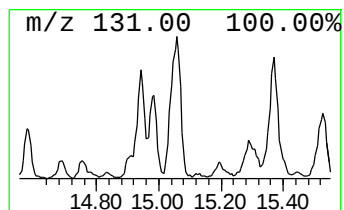
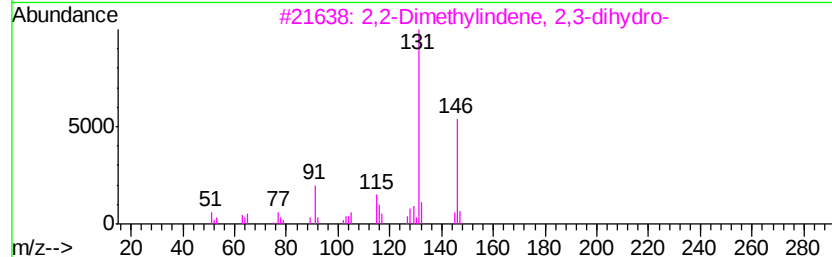
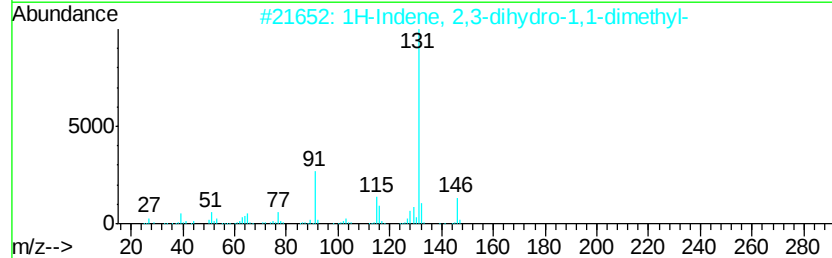
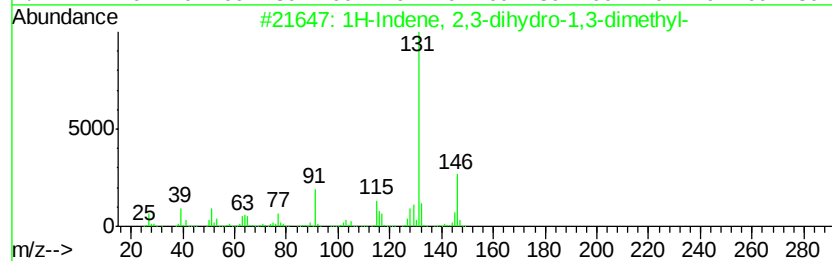
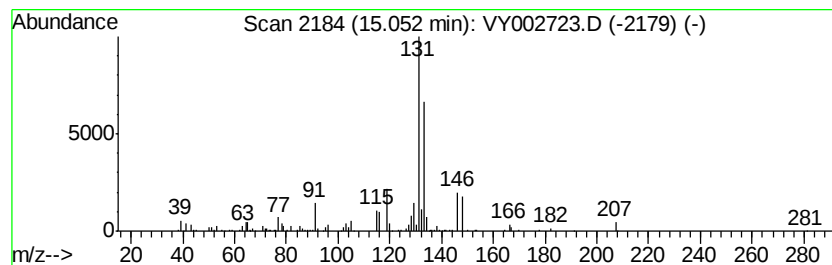
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-051920

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260

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

Peak Number 6 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	7.80 ug/l	177364	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1H-Indene, 2,3-dihydro-1,3-dimet...	146 C11H14	004175-53-5 60
2		1H-Indene, 2,3-dihydro-1,1-dimet...	146 C11H14	004912-92-9 60
3		2,2-Dimethylindene, 2,3-dihydro-	146 C11H14	020836-11-7 60
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	146 C11H14	027087-54-3 60
5		Cyclopropane, 1-chloro-1-methyl-...	166 C10H11Cl	1000161-07-9 55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
Data File : VY002723.D
Acq On : 20 May 2020 12:00
Operator : SY/MD
Sample : L2497-05
Misc : 7.19G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

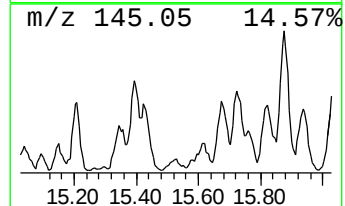
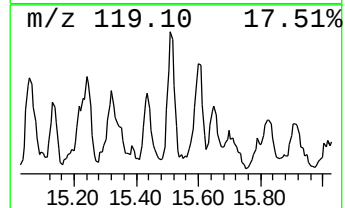
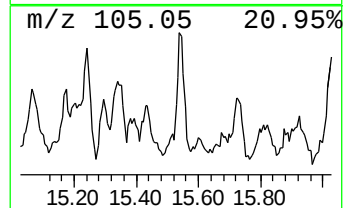
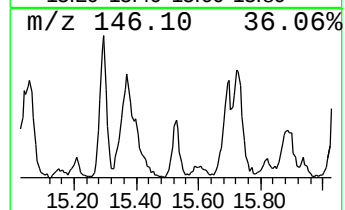
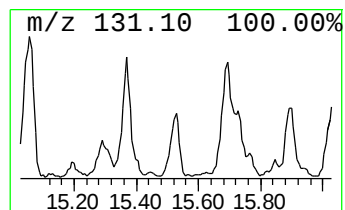
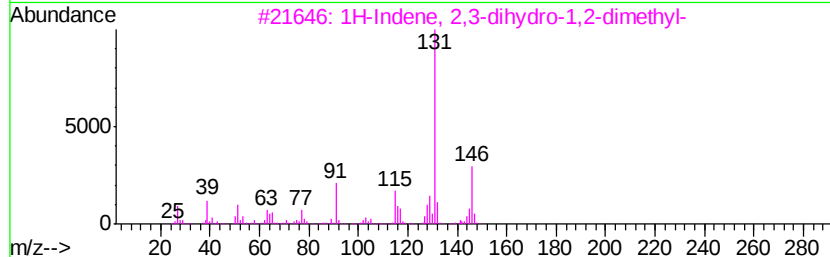
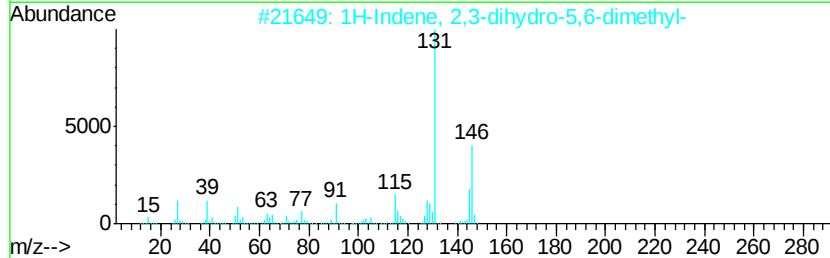
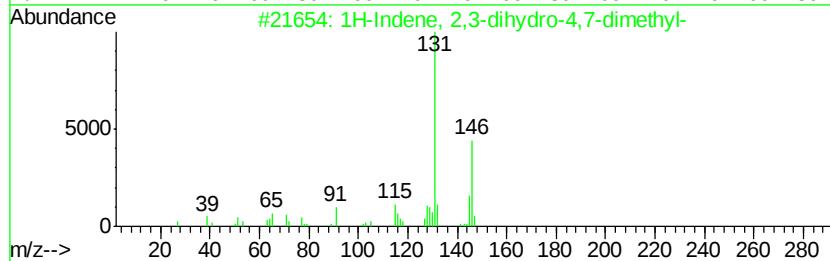
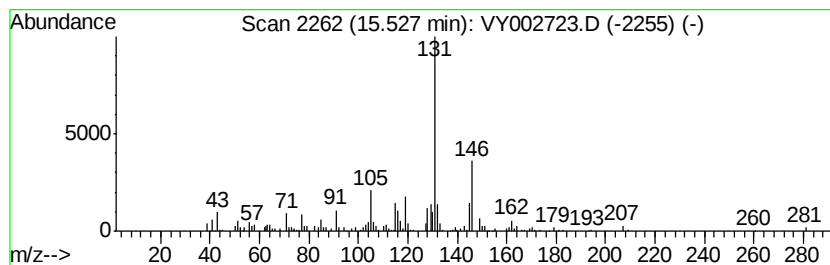
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-051920

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260

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

Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	5.23 ug/l	118913	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146 C11H14	006682-71-9	95
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146 C11H14	001075-22-5	83
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8	81
4	Benzene, 1-methyl-4-(1-methyl-2-...	146 C11H14	097664-18-1	81
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146 C11H14	017059-48-2	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
Data File : VY002723.D
Acq On : 20 May 2020 12:00
Operator : SY/MD
Sample : L2497-05
Misc : 7.19G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

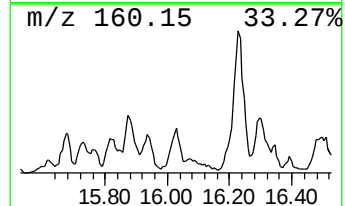
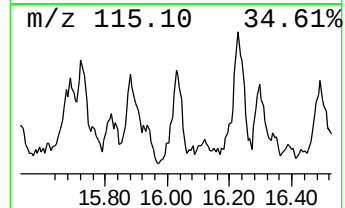
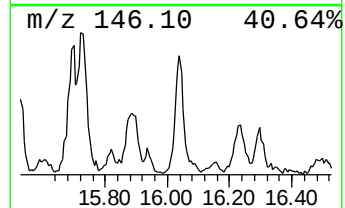
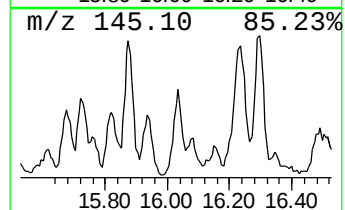
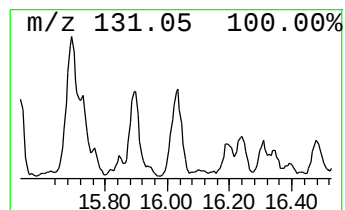
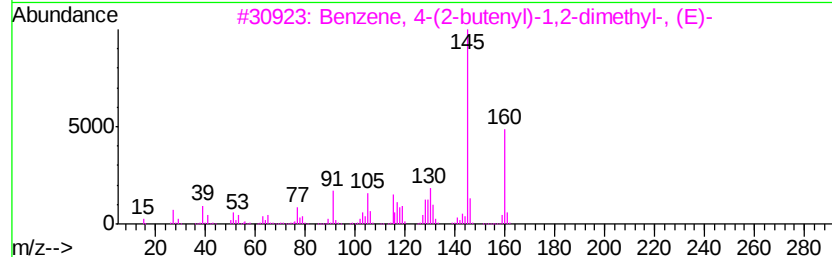
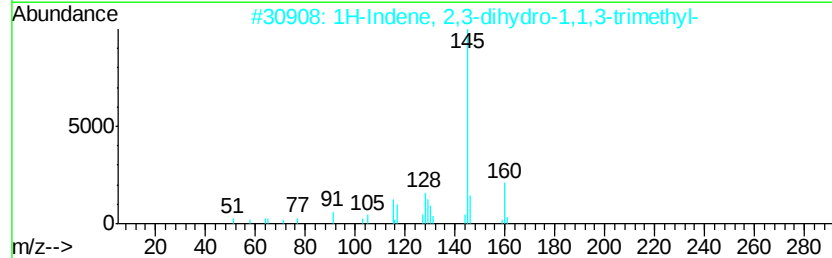
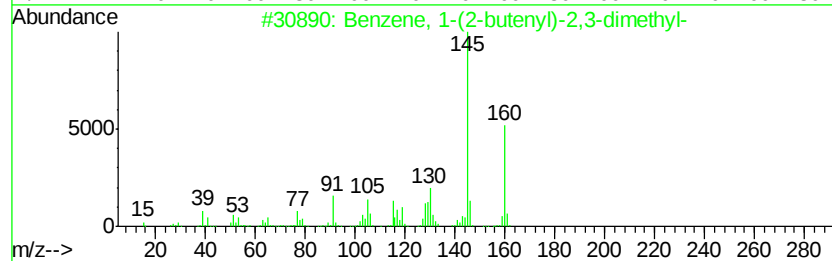
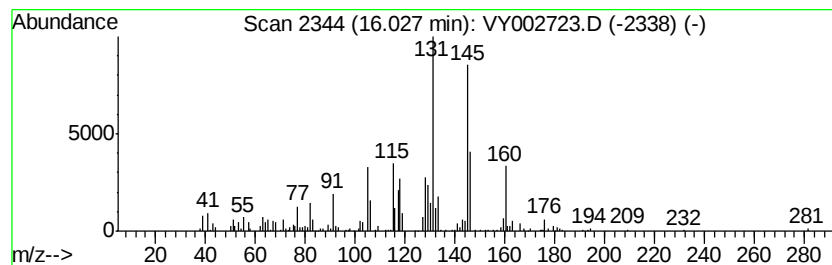
Instrument :
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ClientSampleId :
HD-02-051920

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-(2-butenyl)-2,3-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	6.14 ug/l	139584	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-(2-butenyl)-2,3-dimet...	160 C12H16	054340-85-1 50
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160 C12H16	002613-76-5 50
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160 C12H16	054340-86-2 49
4		Benzene, (3-methyl-2-butenyl)-	146 C11H14	004489-84-3 45
5		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	021564-91-0 43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
Data File : VY002723.D
Acq On : 20 May 2020 12:00
Operator : SY/MD
Sample : L2497-05
Misc : 7.19G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

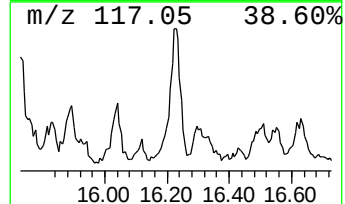
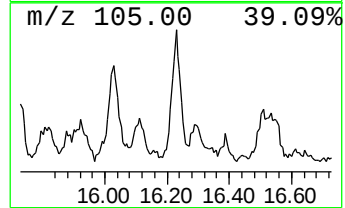
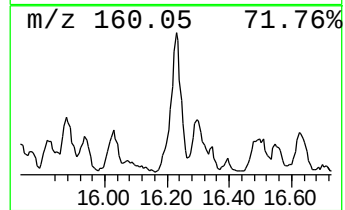
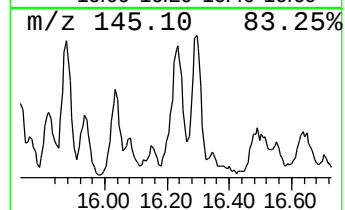
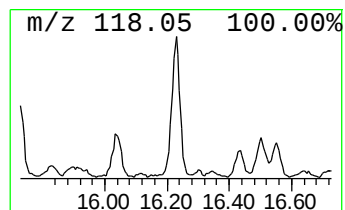
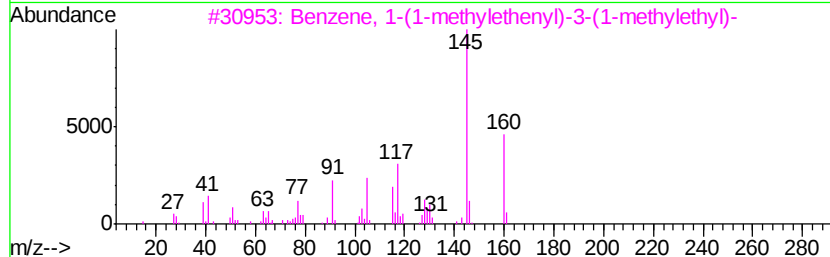
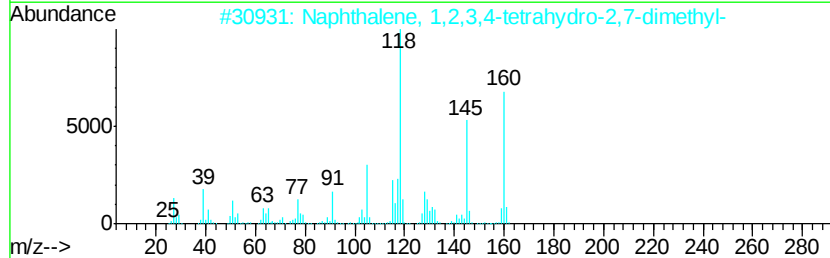
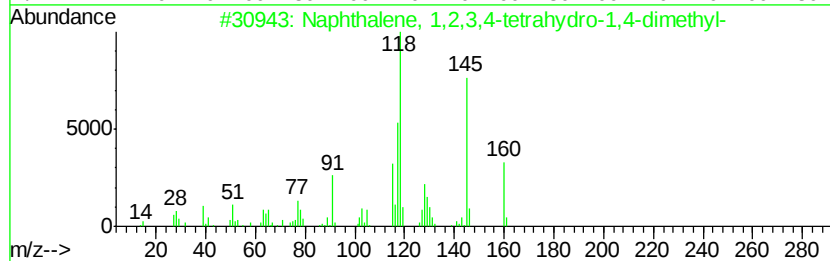
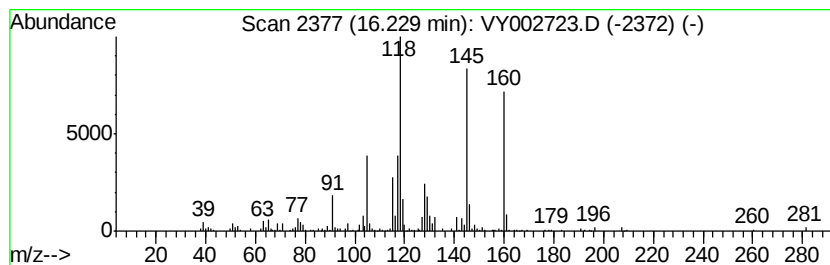
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-051920

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	7.47 ug/l	169729	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 96
2		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	013065-07-1 93
3		Benzene, 1-(1-methylethenyl)-3-(...	160 C12H16	001129-29-9 64
4		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	020027-77-4 55
5		Benzene, 1,3,5-trimethyl-2-(1-me...	160 C12H16	014679-13-1 55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052020\
Data File : VY002723.D
Acq On : 20 May 2020 12:00
Operator : SY/MD
Sample : L2497-05
Misc : 7.19G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-051920

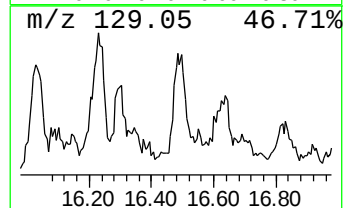
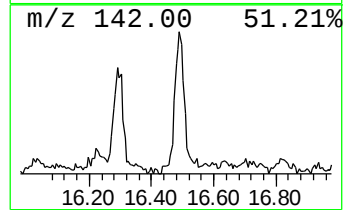
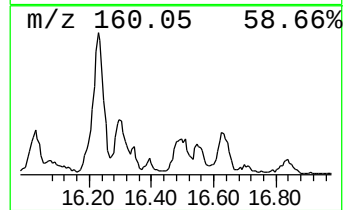
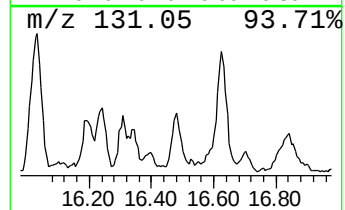
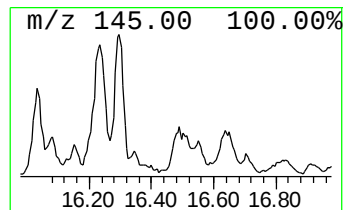
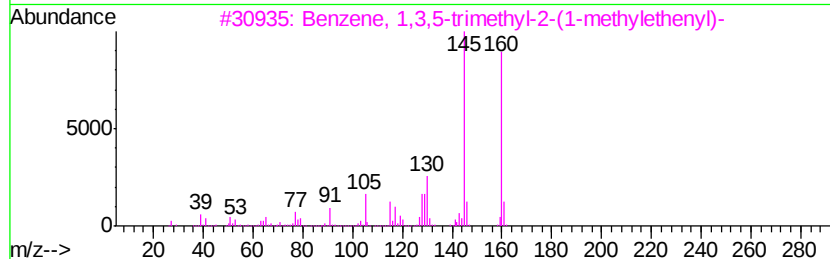
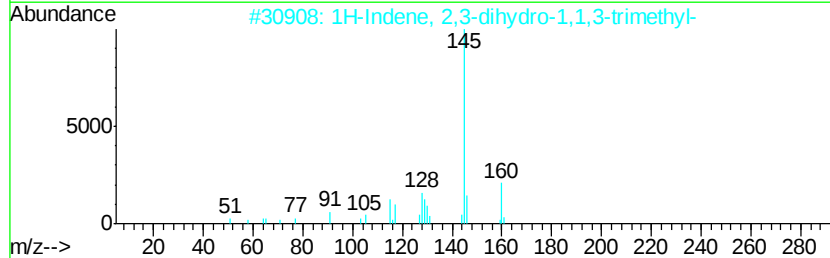
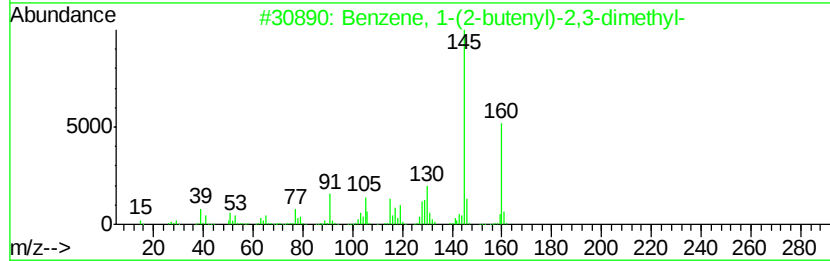
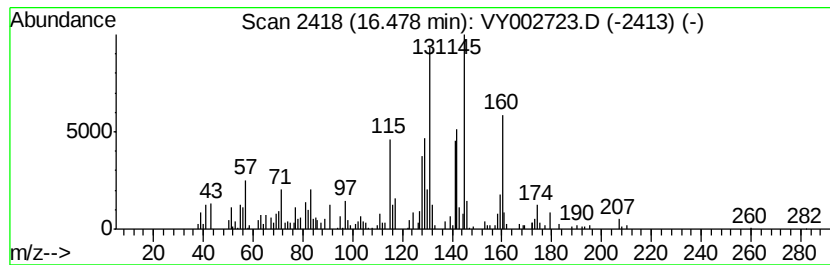
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
Quant Title : SW846 8260

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

Peak Number 10 unknown16.48 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	5.25 ug/l	119313	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	46
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	43
3		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	41
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	41
5		1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY052020\
Data File : VY002723.D
Acq On : 20 May 2020 12:00
Operator : SY/MD
Sample : L2497-05
Misc : 7.19G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-051920

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.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
Naphthalene, deca...	13.75	5.7	ug/l	130333	4	13.42	1136460	50.0
4-tert-Butyltoluene	14.13	5.0	ug/l	114394	4	13.42	1136460	50.0
Naphthalene, deca...	14.25	9.0	ug/l	205197	4	13.42	1136460	50.0
Benzene, 1-methyl...	14.68	8.9	ug/l	202509	4	13.42	1136460	50.0
Benzene, (2-chlor...	14.94	5.6	ug/l	127179	4	13.42	1136460	50.0
1H-Indene, 2,3-di...	15.05	7.8	ug/l	177364	4	13.42	1136460	50.0
1H-Indene, 2,3-di...	15.53	5.2	ug/l	118913	4	13.42	1136460	50.0
Benzene, 1-(2-but...	16.03	6.1	ug/l	139584	4	13.42	1136460	50.0
Naphthalene, 1,2,...	16.23	7.5	ug/l	169729	4	13.42	1136460	50.0
unknown16.48	16.48	5.3	ug/l	119313	4	13.42	1136460	50.0