

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
 Data File : VY002333.D
 Acq On : 15 Apr 2020 13:51
 Operator : SY/MD
 Sample : L2245-05
 Misc : 6.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-14

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\82Y040820S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.865	18	21	30	rVB3	9628	18268	2.14%	0.258%
2	3.962	357	365	374	rBV	13578	37473	4.38%	0.529%
3	4.212	396	406	415	rBV	3393	9962	1.16%	0.141%
4	4.730	486	491	505	rVB6	3136	10473	1.22%	0.148%
5	7.011	854	865	876	rBV	6736	18864	2.21%	0.266%
6	7.736	972	984	989	rBV	105924	253879	29.69%	3.586%
7	7.803	989	995	1005	rVB	179171	413334	48.34%	5.838%
8	8.157	1044	1053	1067	rVB	103319	222670	26.04%	3.145%
9	8.340	1074	1083	1092	rVB2	5853	15163	1.77%	0.214%
10	8.699	1133	1142	1154	rBV	309736	608065	71.11%	8.589%
11	9.620	1287	1293	1302	rVB5	4439	9759	1.14%	0.138%
12	9.754	1308	1315	1321	rBV3	11232	21552	2.52%	0.304%
13	10.187	1378	1386	1394	rBV	505775	855111	100.00%	12.078%
14	10.351	1408	1413	1421	rVB8	4511	11514	1.35%	0.163%
15	10.522	1436	1441	1448	rVB3	5611	10074	1.18%	0.142%
16	11.095	1529	1535	1540	rVB	21779	35600	4.16%	0.503%
17	11.491	1592	1600	1611	rBV	436330	707472	82.73%	9.993%
18	11.687	1627	1632	1636	rBV7	4690	9664	1.13%	0.136%
19	11.741	1636	1641	1643	rBV4	6293	9318	1.09%	0.132%
20	12.004	1676	1684	1689	rBV8	8394	18123	2.12%	0.256%
21	12.205	1707	1717	1720	rBV6	9528	21604	2.53%	0.305%
22	12.235	1720	1722	1728	rVB2	5302	10594	1.24%	0.150%
23	12.485	1756	1763	1770	rBV	302859	474342	55.47%	6.700%
24	12.571	1770	1777	1783	rVV8	7325	20518	2.40%	0.290%
25	12.644	1783	1789	1796	rVB5	15583	29439	3.44%	0.416%
26	12.729	1797	1803	1807	rBV8	4991	11729	1.37%	0.166%
27	12.814	1809	1817	1821	rVV7	15369	37524	4.39%	0.530%
28	12.857	1822	1824	1828	rVV3	6298	9575	1.12%	0.135%
29	12.912	1829	1833	1836	rVV5	7395	10676	1.25%	0.151%
30	12.948	1836	1839	1843	rVB4	8792	13515	1.58%	0.191%
31	12.997	1843	1847	1852	rBV4	4827	11541	1.35%	0.163%
32	13.168	1872	1875	1880	rBV4	7676	10669	1.25%	0.151%
33	13.339	1893	1903	1911	rVV8	32032	87826	10.27%	1.240%
34	13.424	1911	1917	1924	rBV	336691	537671	62.88%	7.594%

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Integration Parameters: RTEINT.P

Integrator: RTE
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 Max Peaks: 100
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35	13.570	1937	1941	1943	rVV4	10942	14516	1.70%	0.205%
36	13.698	1955	1962	1964	rBV7	8828	18934	2.21%	0.267%
37	13.753	1964	1971	1975	rVV4	42813	86640	10.13%	1.224%
38	13.796	1975	1978	1982	rVV3	13572	21493	2.51%	0.304%
39	13.857	1983	1988	1994	rVV7	14433	35066	4.10%	0.495%
40	13.973	2003	2007	2011	rVB	39924	64337	7.52%	0.909%
41	14.082	2020	2025	2029	rBV4	29762	48833	5.71%	0.690%
42	14.150	2029	2036	2041	rVB6	27696	55228	6.46%	0.780%
43	14.204	2041	2045	2048	rBV6	14177	22005	2.57%	0.311%
44	14.265	2049	2055	2059	rBV3	66059	145543	17.02%	2.056%
45	14.381	2071	2074	2077	rBV4	14009	19612	2.29%	0.277%
46	14.424	2077	2081	2085	rVV4	42717	64294	7.52%	0.908%
47	14.619	2110	2113	2117	rBV4	20306	32139	3.76%	0.454%
48	14.686	2117	2124	2129	rVV3	94589	200049	23.39%	2.826%
49	14.741	2129	2133	2139	rVB4	79108	137981	16.14%	1.949%
50	14.857	2149	2152	2153	rBV3	11452	14495	1.70%	0.205%
51	14.948	2163	2167	2171	rVB3	66648	99363	11.62%	1.403%
52	14.985	2171	2173	2176	rBV2	22594	34156	3.99%	0.482%
53	15.058	2180	2185	2190	rVV2	58280	102868	12.03%	1.453%
54	15.125	2193	2196	2204	rVB5	40018	102478	11.98%	1.447%
55	15.216	2205	2211	2218	rVB3	94632	161986	18.94%	2.288%
56	15.296	2218	2224	2228	rBV5	55446	111968	13.09%	1.581%
57	15.351	2229	2233	2239	rBV7	32561	76214	8.91%	1.076%
58	15.533	2256	2263	2270	rBV2	56001	127318	14.89%	1.798%
59	15.613	2271	2276	2280	rVB6	54528	96294	11.26%	1.360%
60	15.893	2316	2322	2327	rBV4	30660	67864	7.94%	0.959%
61	16.039	2341	2346	2351	rBV3	48899	90546	10.59%	1.279%
62	16.167	2362	2367	2371	rBV2	57246	94651	11.07%	1.337%
63	16.235	2374	2378	2385	rVB2	51427	101698	11.89%	1.436%
64	16.497	2414	2421	2427	rBV6	57742	158594	18.55%	2.240%
65	16.612	2435	2440	2453	rBV10	16640	59790	6.99%	0.844%
66	16.948	2490	2495	2500	rBV2	14427	29422	3.44%	0.416%

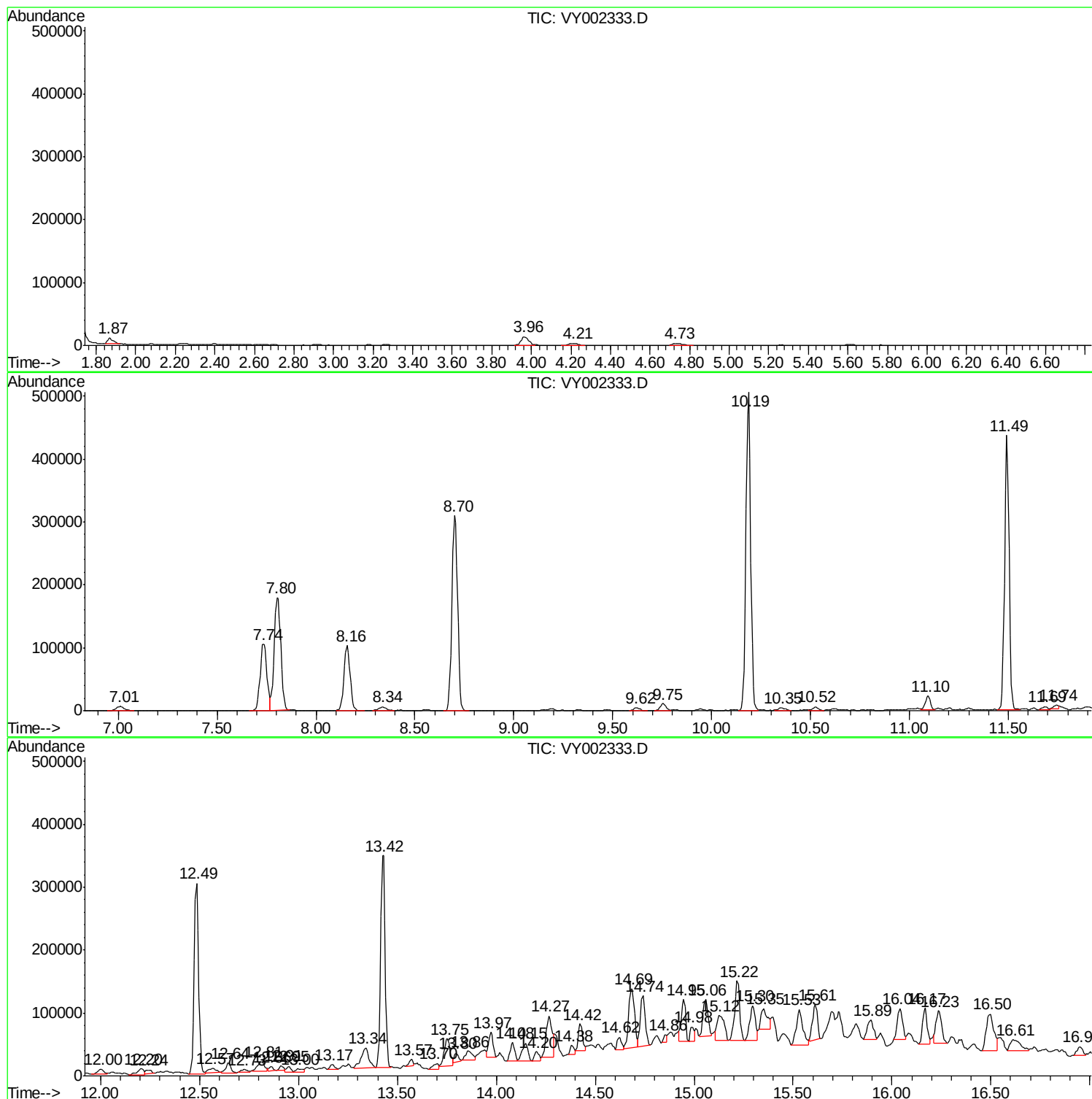
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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



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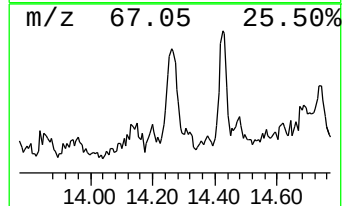
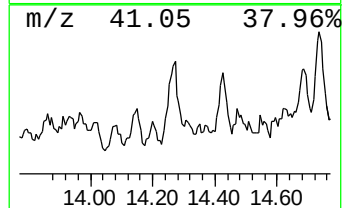
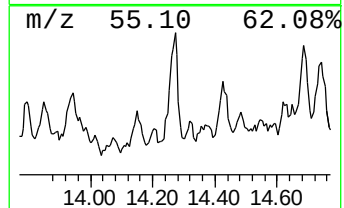
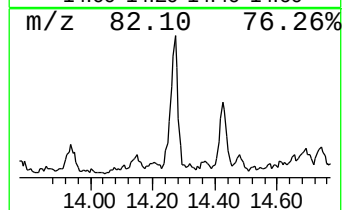
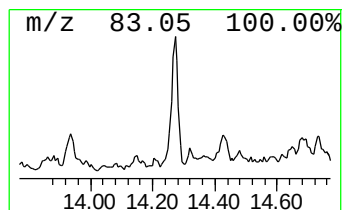
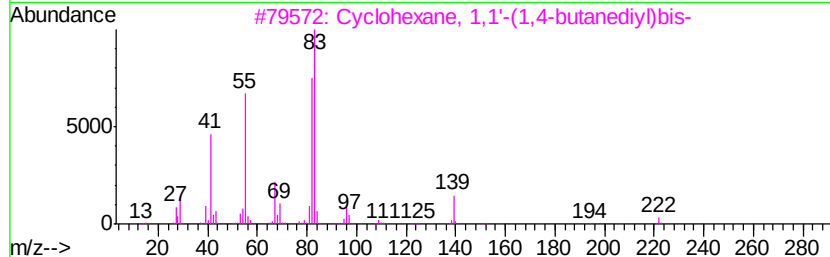
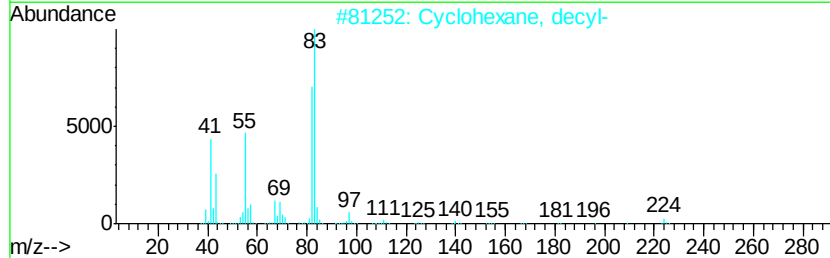
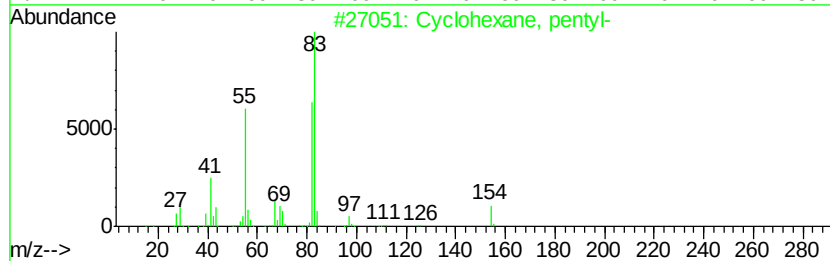
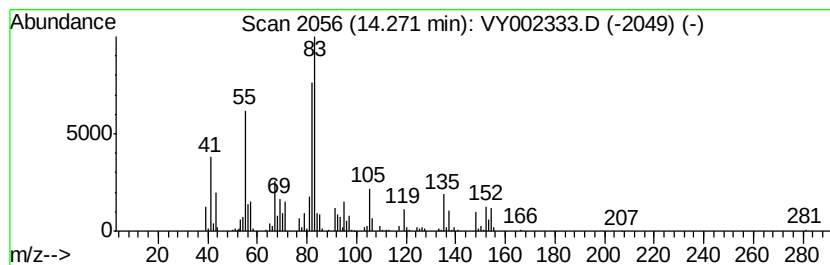
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, pentyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	13.53 ug/l	145543	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, pentyl-	154 C11H22	004292-92-6 53
2		Cyclohexane, decyl-	224 C16H32	001795-16-0 47
3		Cyclohexane, 1,1'-(1,4-butanediyl)bis-	222 C16H30	006165-44-2 47
4		Cyclohexane, tetradecyl-	280 C20H40	001795-18-2 47
5		Cyclopentane, 1-methyl-2-(2-propyl)-	124 C9H16	050746-53-7 43



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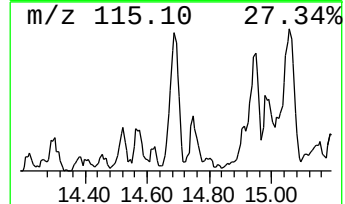
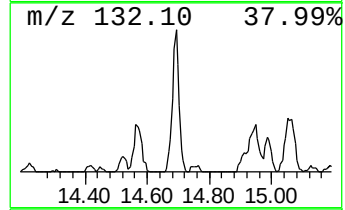
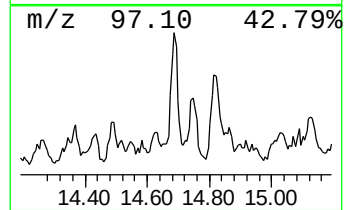
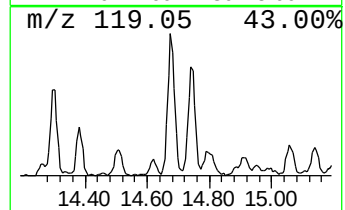
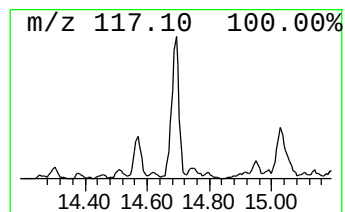
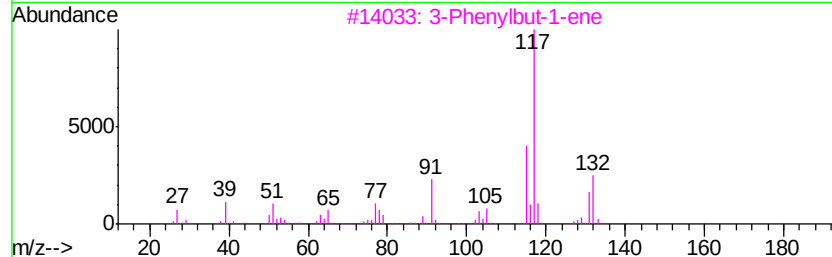
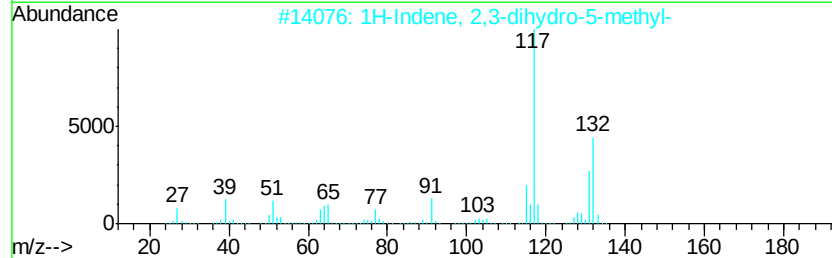
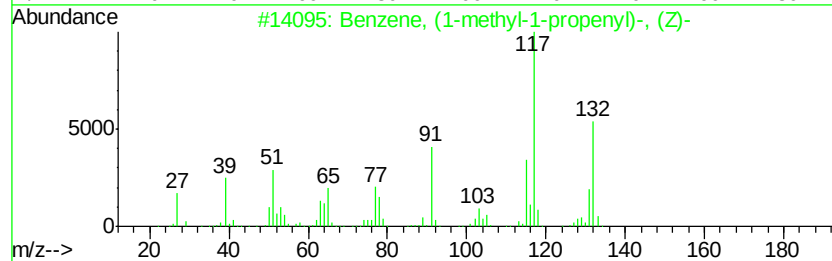
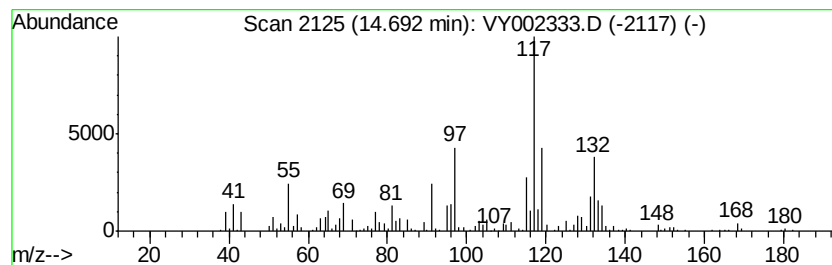
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	18.60 ug/l	200049	1,4-Dichlorobenzene-d4	13.42

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	59
2		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	46
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	46
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	46
5		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	46



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Misc : 6.15G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

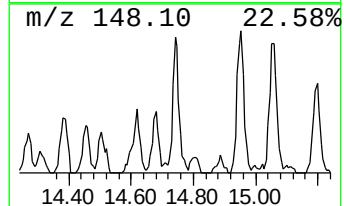
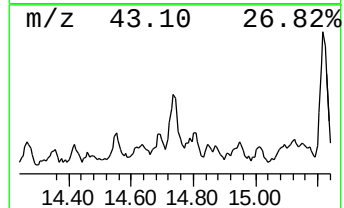
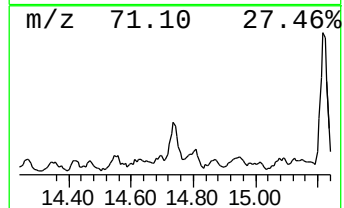
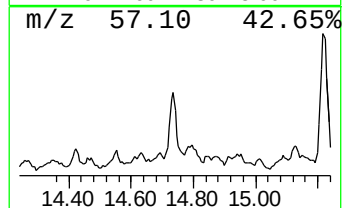
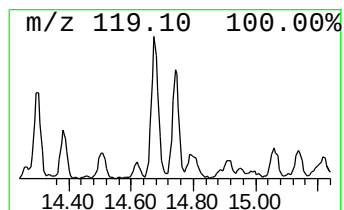
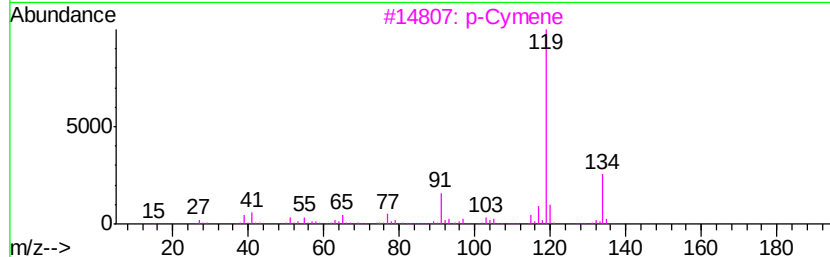
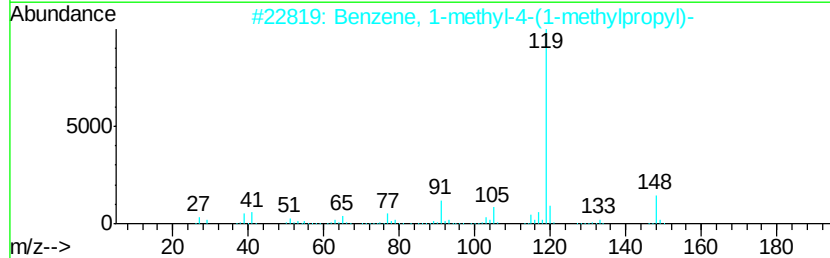
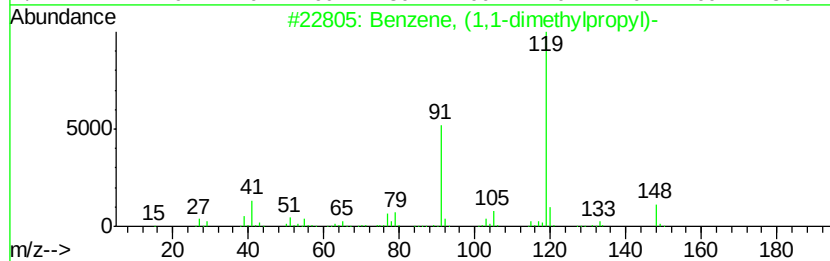
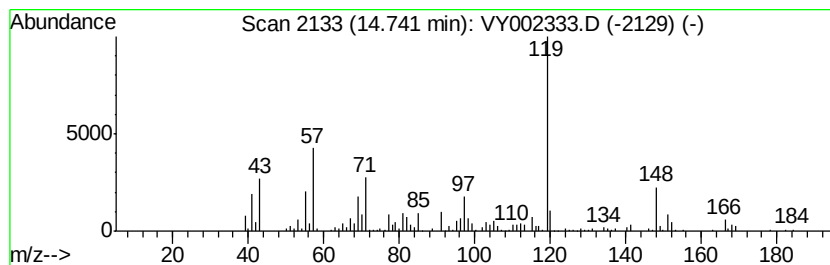
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Benzene, (1,1-dimethylpropyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.74	12.83 ug/l	137981	1,4-Dichlorobenzene-d4	13.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	52
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	50
3	p-Cymene	134	C10H14	000099-87-6	43
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
5	Benzoic acid, 2-methyl-, (2-isop...	268	C18H20O2	032276-66-7	38



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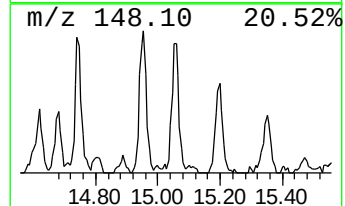
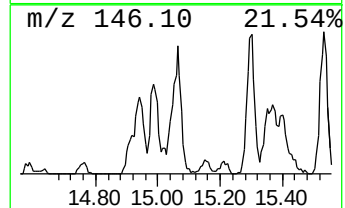
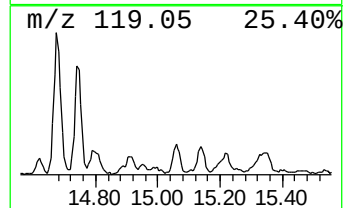
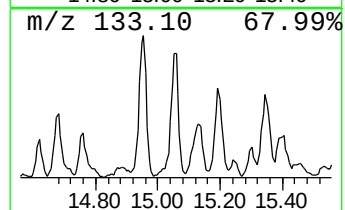
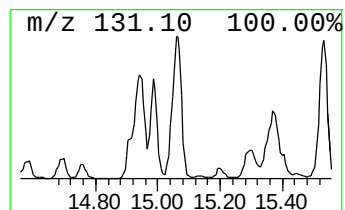
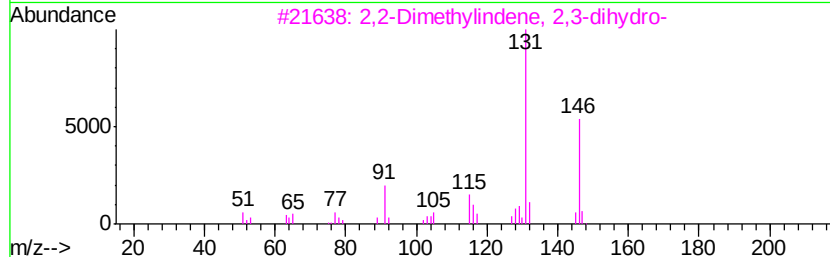
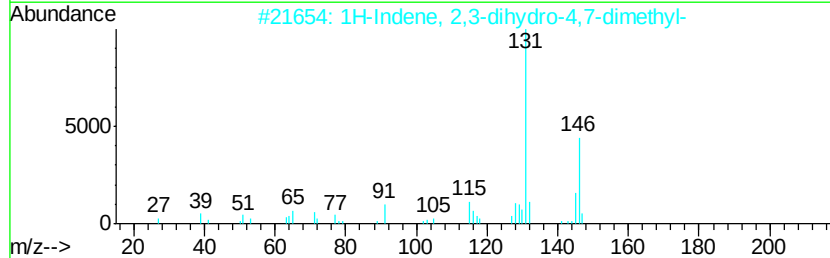
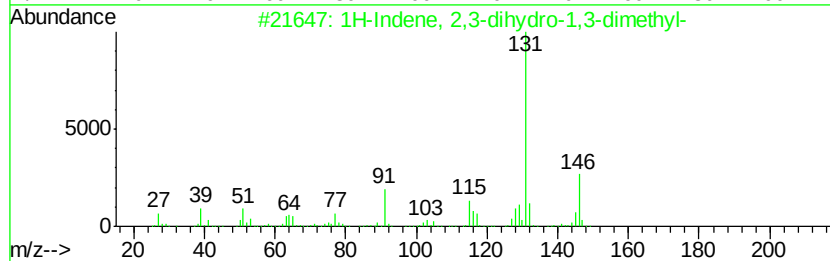
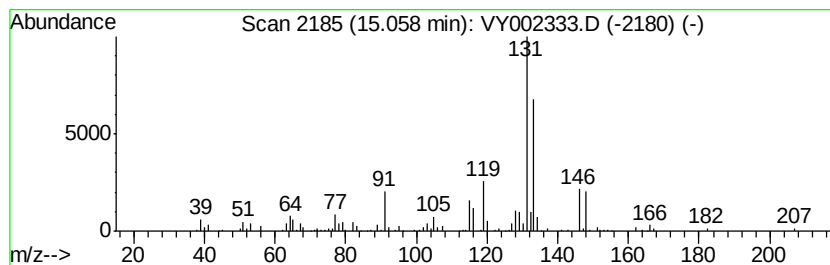
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Peak Number 4 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	9.57 ug/l	102868	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-4,7-dimet...	146 C11H14	006682-71-9	60
3	2,2-Dimethylindene, 2,3-dihydro-	146 C11H14	020836-11-7	60
4	Benzene, 1-methyl-3-(1-methyl-2-...	146 C11H14	052161-57-6	60
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146 C11H14	027087-54-3	60



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Misc : 6.15G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

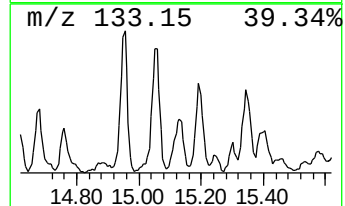
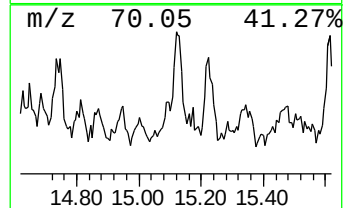
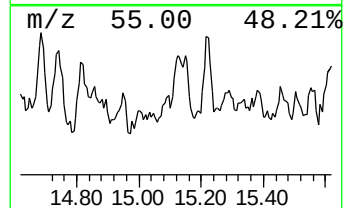
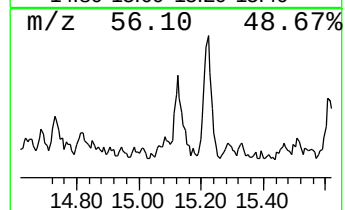
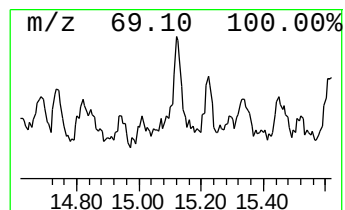
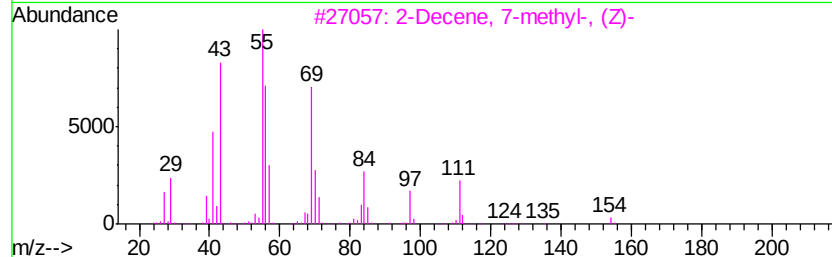
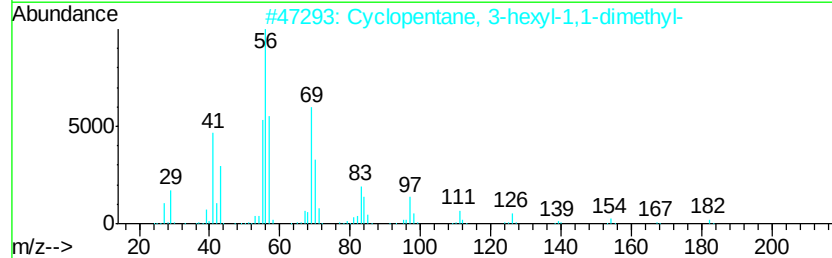
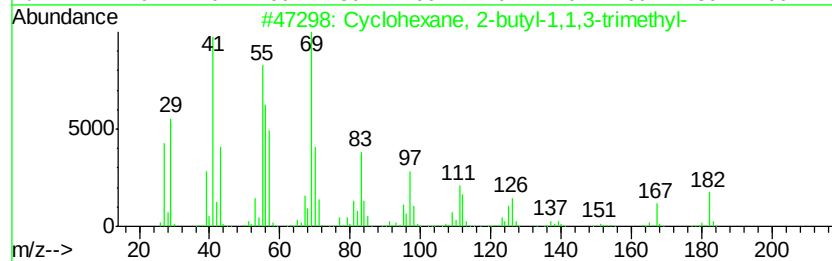
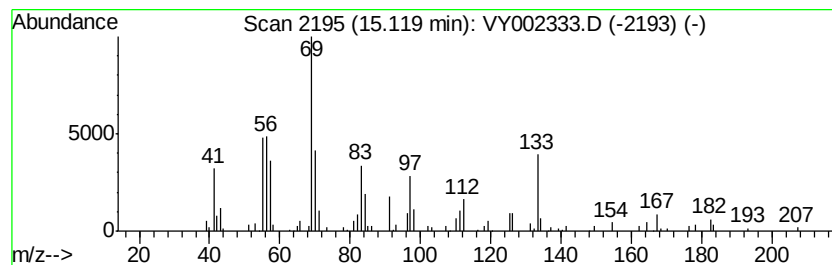
Instrument :
MSVOA_Y
ClientSampled :
TP-14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

Peak Number 5 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	9.53 ug/l	102478	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 2-butyl-1,1,3-trime...	182 C13H26	054676-39-0 89
2		Cyclopentane, 3-hexyl-1,1-dimethyl-	182 C13H26	061142-65-2 76
3		2-Decene, 7-methyl-, (Z)-	154 C11H22	074630-23-2 49
4		2-Decene, 4-methyl-, (Z)-	154 C11H22	074630-30-1 49
5		Cyclopentane, propyl-	112 C8H16	002040-96-2 49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
Data File : VY002333.D
Acq On : 15 Apr 2020 13:51
Operator : SY/MD
Sample : L2245-05
Misc : 6.15G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

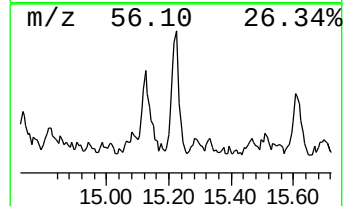
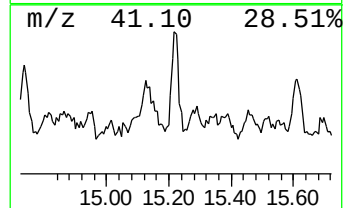
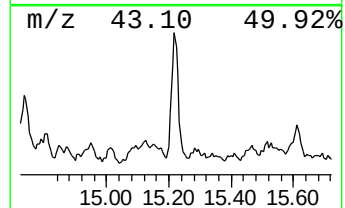
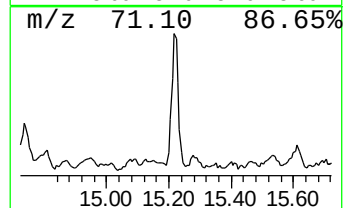
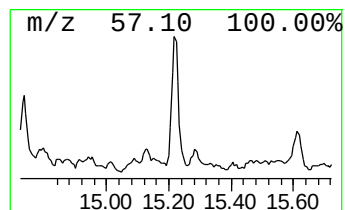
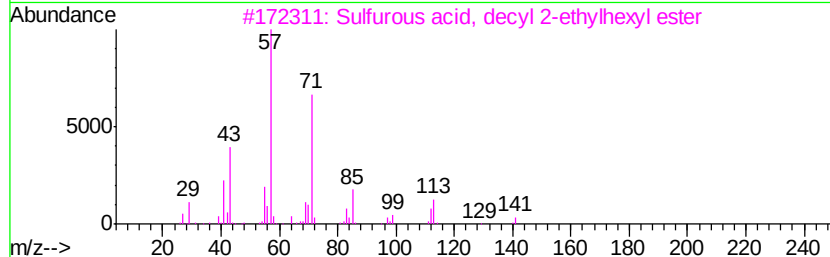
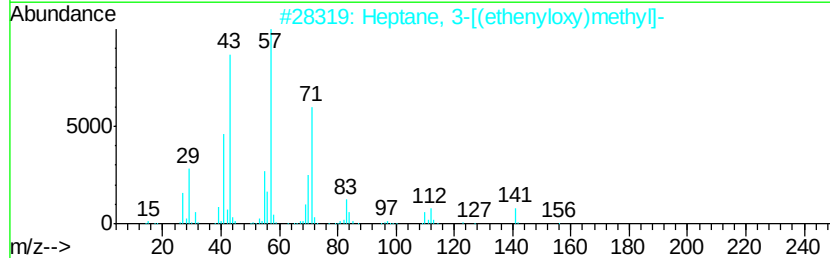
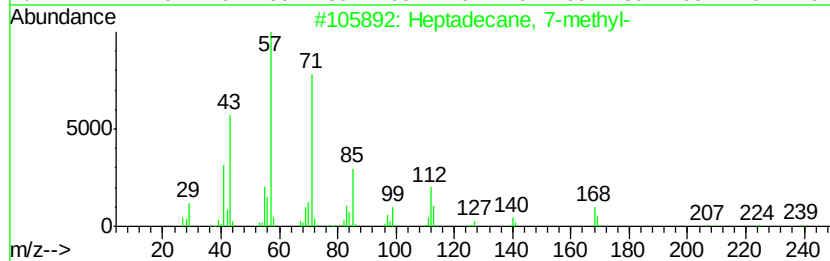
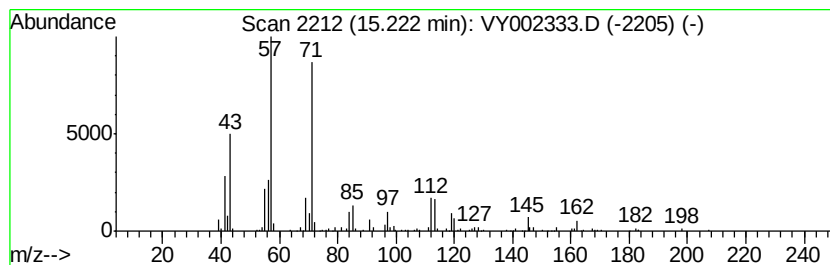
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

Peak Number 6 Heptadecane, 7-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	15.06 ug/l	161986	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptadecane, 7-methyl-	254 C18H38	020959-33-5	53
2	Heptane, 3-[(ethenyloxy)methyl]-	156 C10H20O	000103-44-6	53
3	Sulfurous acid, decyl 2-ethylhex...	334 C18H38O3S	1000309-19-3	53
4	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	53
5	Oxalic acid, 2-ethylhexyl octyl ...	314 C18H34O4	1000309-39-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
Data File : VY002333.D
Acq On : 15 Apr 2020 13:51
Operator : SY/MD
Sample : L2245-05
Misc : 6.15G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

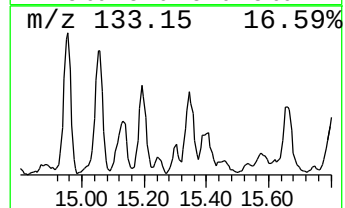
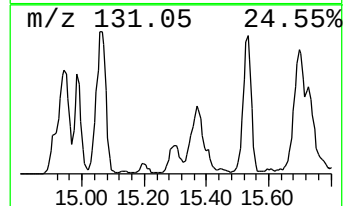
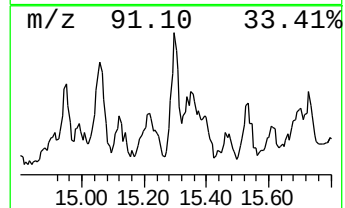
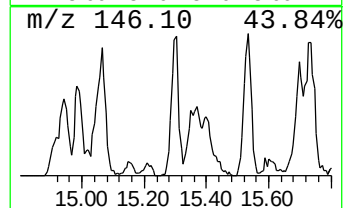
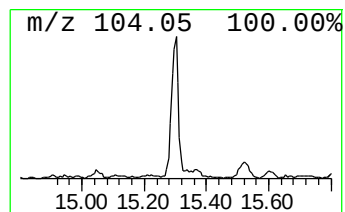
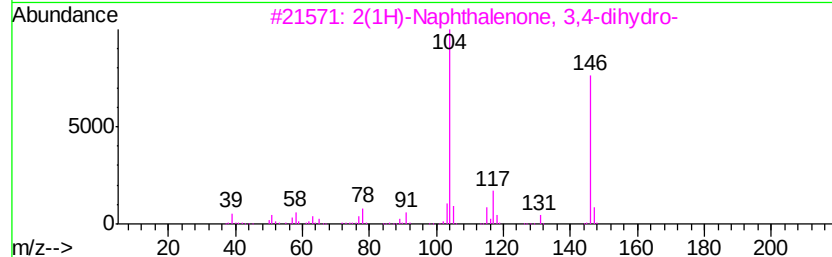
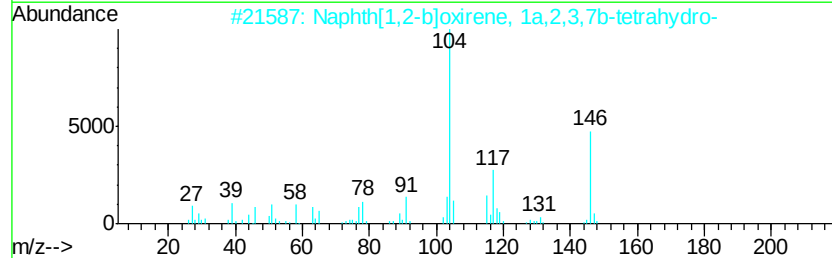
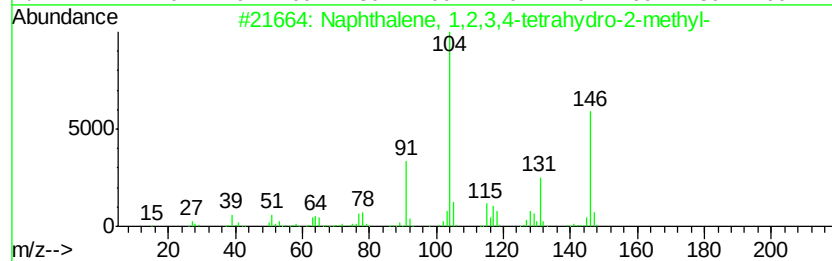
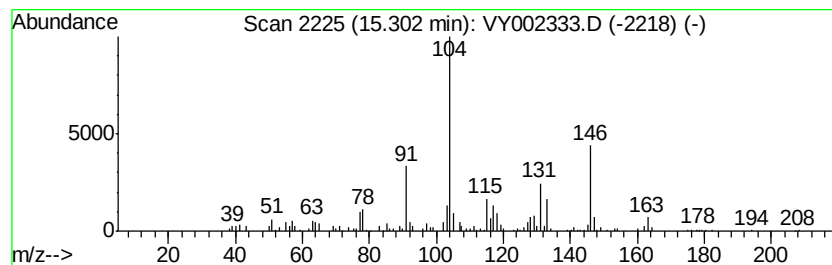
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	10.41 ug/l	111968	1,4-Dichlorobenzene-d4	13.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8 90
2		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146 C10H100	002461-34-9 58
3		2(1H)-Naphthalenone, 3,4-dihydro-	146 C10H100	000530-93-8 58
4		Naphthalene, 2-ethyl-1,2,3,4-tet...	160 C12H16	032367-54-7 53
5		Naphthalene, 1,2,3,4-tetrahydro-	132 C10H12	000119-64-2 50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
Data File : VY002333.D
Acq On : 15 Apr 2020 13:51
Operator : SY/MD
Sample : L2245-05
Misc : 6.15G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

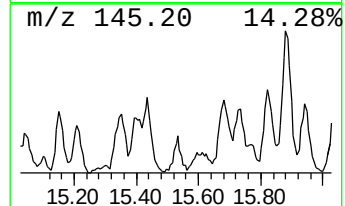
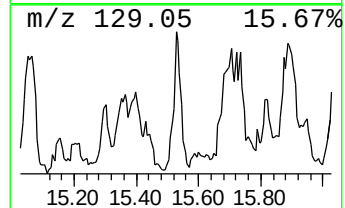
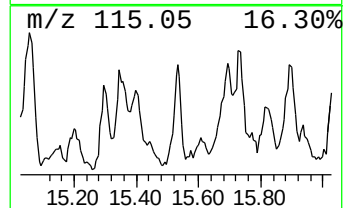
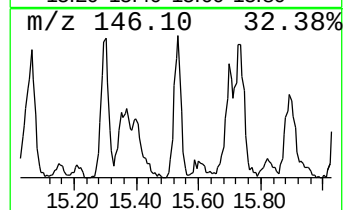
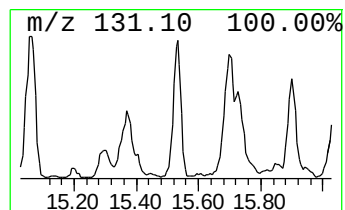
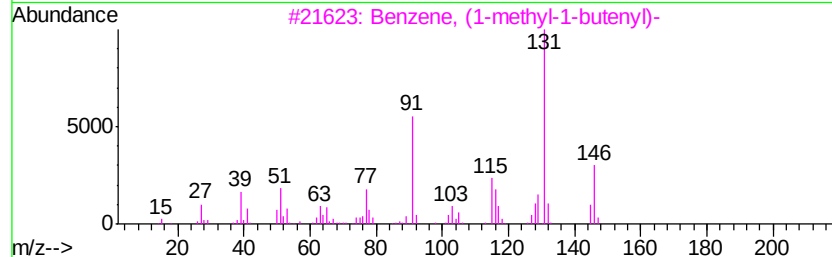
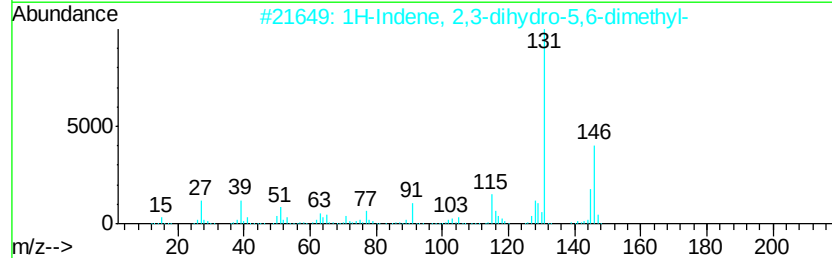
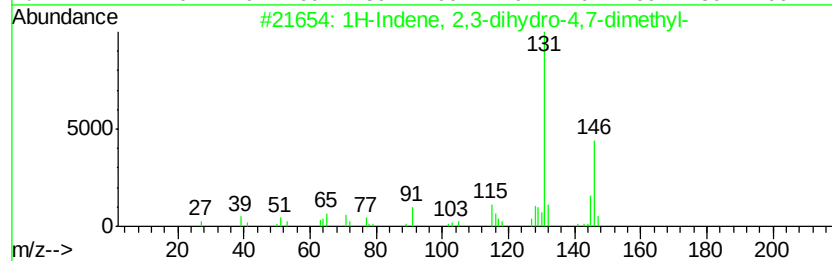
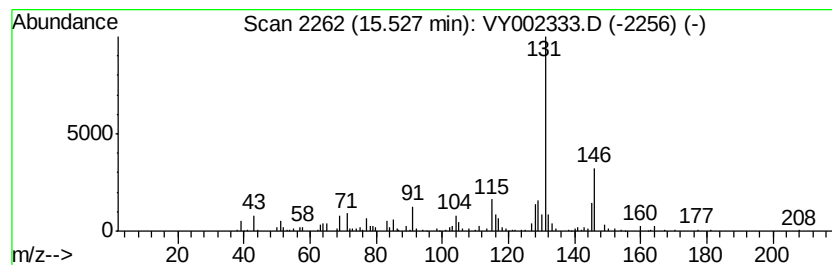
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Quant Title : SW846 8260

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

Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	11.84 ug/l	127318	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	94
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
4		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
5		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
Data File : VY002333.D
Acq On : 15 Apr 2020 13:51
Operator : SY/MD
Sample : L2245-05
Misc : 6.15G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

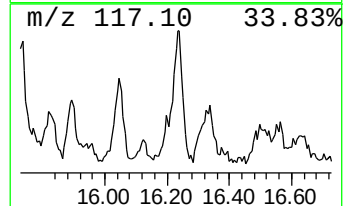
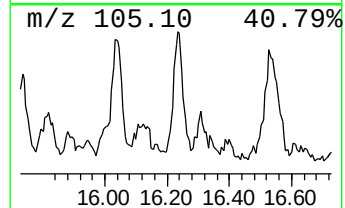
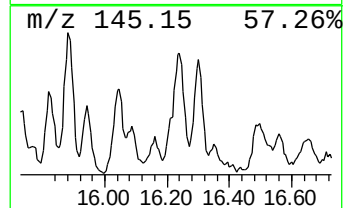
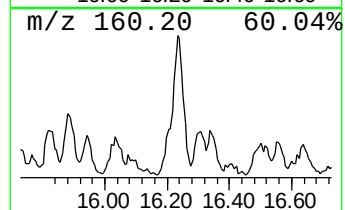
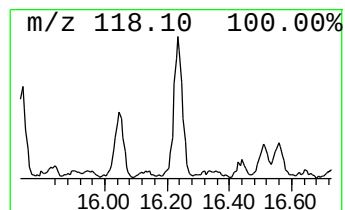
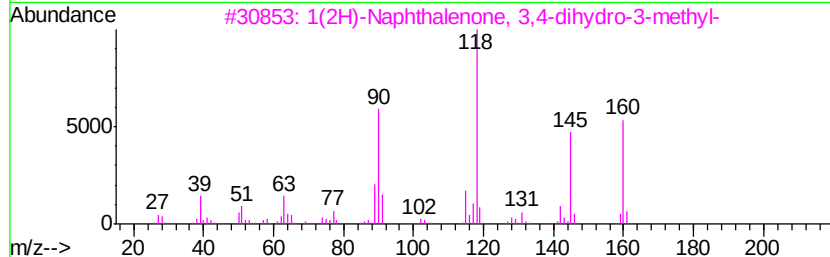
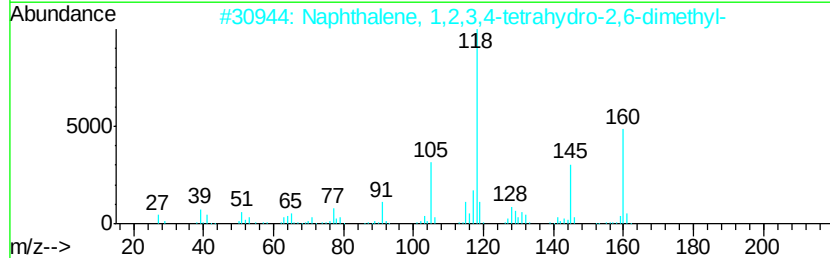
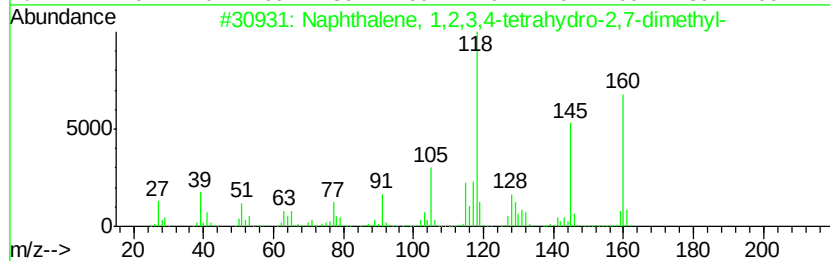
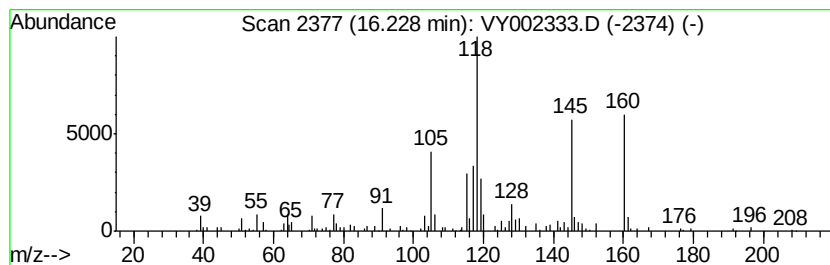
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	9.46 ug/l	101698	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	91
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	64
3		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	64
4		Diboroxide, trimethylphenyl-	160	C9H14B2O	1000162-60-0	49
5		Acetonitrile, 2-[4-(cyanomethyl)]...	145	C8H7N3	1000197-65-1	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY041520\
Data File : VY002333.D
Acq On : 15 Apr 2020 13:51
Operator : SY/MD
Sample : L2245-05
Misc : 6.15G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

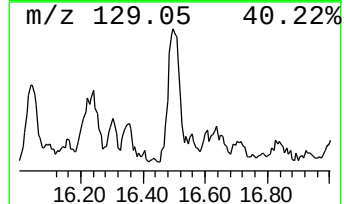
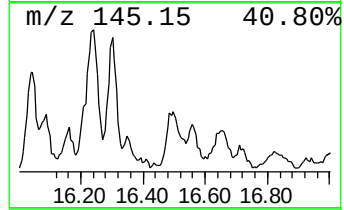
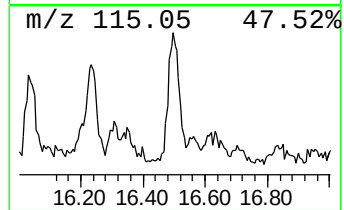
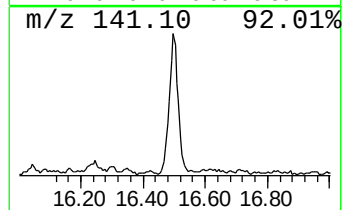
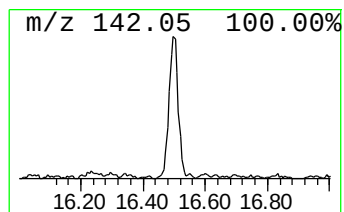
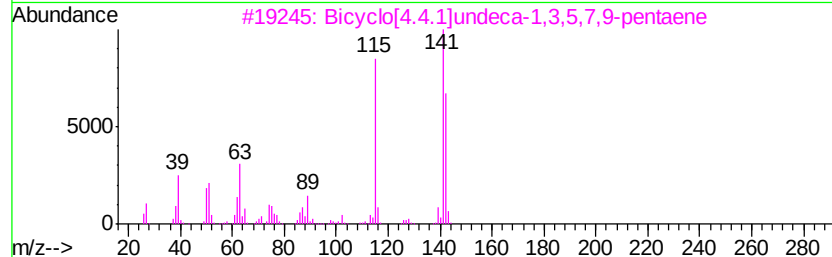
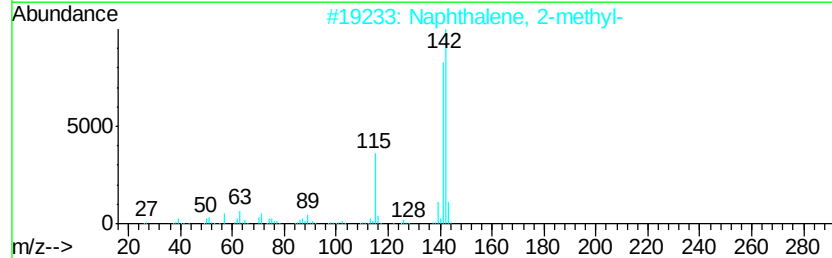
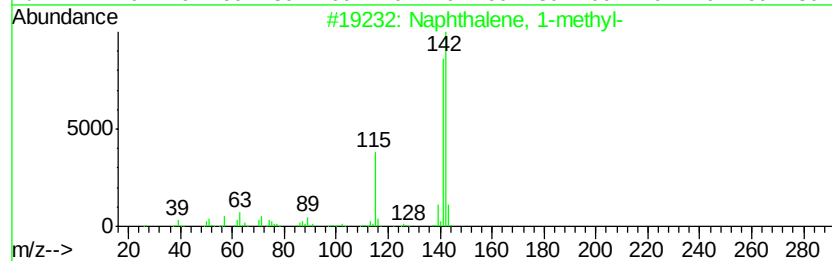
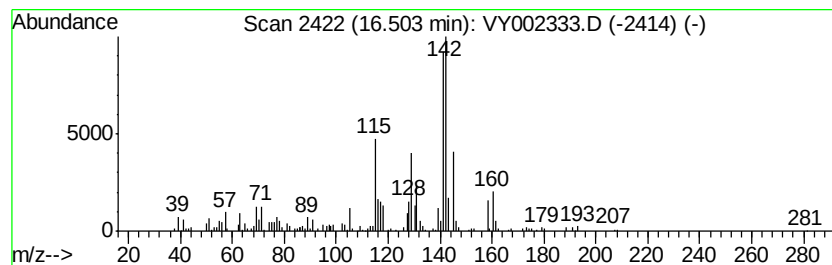
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	14.75 ug/l	158594	1,4-Dichlorobenzene-d4	13.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	64
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	64
3		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	58
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	58
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY041520\
Data File : VY002333.D
Acq On : 15 Apr 2020 13:51
Operator : SY/MD
Sample : L2245-05
Misc : 6.15G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.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, pentyl-	14.27	13.5	ug/l	145543	4	13.42	537671	50.0
Benzene, (1-methy...	14.69	18.6	ug/l	200049	4	13.42	537671	50.0
Benzene, (1,1-dim...	14.74	12.8	ug/l	137981	4	13.42	537671	50.0
1H-Indene, 2,3-di...	15.06	9.6	ug/l	102868	4	13.42	537671	50.0
Cyclohexane, 2-bu...	15.12	9.5	ug/l	102478	4	13.42	537671	50.0
Heptadecane, 7-me...	15.22	15.1	ug/l	161986	4	13.42	537671	50.0
Naphthalene, 1,2,...	15.30	10.4	ug/l	111968	4	13.42	537671	50.0
1H-Indene, 2,3-di...	15.53	11.8	ug/l	127318	4	13.42	537671	50.0
Naphthalene, 1,2,...	16.23	9.5	ug/l	101698	4	13.42	537671	50.0
Naphthalene, 1-me...	16.50	14.8	ug/l	158594	4	13.42	537671	50.0