

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
 Data File : VY016092.D
 Acq On : 26 Oct 2023 21:03
 Operator : SY/MD
 Sample : 05040-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 M-4(50FT)(0-5)

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M

Title : SW846 8260

Signal : TIC: VY016092.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.863	3	7	10	rBV	9316	13052	2.00%	0.161%
2	2.223	61	66	75	rBV3	4208	9802	1.50%	0.121%
3	2.387	89	93	100	rVB	3782	6781	1.04%	0.084%
4	3.954	340	350	363	rBV	15759	42126	6.46%	0.520%
5	4.192	378	389	403	rBV	36895	103518	15.88%	1.279%
6	4.485	428	437	447	rBV2	6872	19961	3.06%	0.247%
7	4.716	465	475	489	rBV3	22062	71538	10.97%	0.884%
8	5.746	634	644	658	rVB3	5467	16549	2.54%	0.204%
9	6.990	835	848	857	rBV2	5273	14835	2.28%	0.183%
10	7.533	929	937	946	rBV5	2941	7401	1.14%	0.091%
11	7.722	958	968	974	rBV	95639	232292	35.63%	2.870%
12	7.795	974	980	991	rVB	155516	349155	53.55%	4.314%
13	8.149	1027	1038	1051	rBV2	112962	291476	44.70%	3.601%
14	8.691	1118	1127	1138	rBV	233175	477605	73.25%	5.901%
15	9.191	1204	1209	1216	rVB3	6018	11030	1.69%	0.136%
16	10.185	1364	1372	1378	rVV	381175	652024	100.00%	8.056%
17	10.252	1378	1383	1393	rVB	28547	50721	7.78%	0.627%
18	11.495	1579	1587	1594	rBV	355329	567232	87.00%	7.008%
19	11.599	1597	1604	1611	rVV	376120	591814	90.77%	7.312%
20	11.709	1613	1622	1639	rVB	18998	49854	7.65%	0.616%
21	12.044	1670	1677	1684	rVB3	32688	60712	9.31%	0.750%
22	12.337	1717	1725	1730	rBV2	34576	57801	8.86%	0.714%
23	12.489	1743	1750	1757	rBV	280289	448254	68.75%	5.538%
24	12.587	1762	1766	1772	rVB5	7487	12493	1.92%	0.154%
25	12.739	1784	1791	1794	rBV	104993	169732	26.03%	2.097%
26	12.770	1794	1796	1800	rVV	81853	108663	16.67%	1.343%
27	12.812	1800	1803	1809	rVB	24638	39028	5.99%	0.482%
28	12.977	1823	1830	1838	rBV	74832	118344	18.15%	1.462%
29	13.123	1849	1854	1859	rVV	35190	51874	7.96%	0.641%
30	13.172	1859	1862	1867	rVB	20202	29830	4.57%	0.369%
31	13.227	1867	1871	1877	rBV6	5437	10624	1.63%	0.131%
32	13.318	1882	1886	1890	rVV	9446	17061	2.62%	0.211%
33	13.373	1891	1895	1898	rVV	15089	24955	3.83%	0.308%
34	13.428	1898	1904	1914	rVV	350676	564675	86.60%	6.977%
35	13.629	1932	1937	1941	rBV	173934	255446	39.18%	3.156%
36	13.666	1941	1943	1949	rVB2	47742	65648	10.07%	0.811%

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Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Title : SW846 8260

37	13.757	1953	1958	1961	rBV7	9483	12909	1.98%	0.159%
38	13.812	1961	1967	1975	rVB2	30928	52334	8.03%	0.647%
39	13.891	1975	1980	1982	rBV	20441	32919	5.05%	0.407%
40	13.916	1982	1984	1989	rVB	26004	33094	5.08%	0.409%
41	13.977	1989	1994	1999	rVB2	60882	94581	14.51%	1.169%
42	14.080	2006	2011	2015	rBV2	36073	64630	9.91%	0.799%
43	14.117	2015	2017	2022	rVB3	14927	20879	3.20%	0.258%
44	14.214	2028	2033	2037	rVB	20110	29353	4.50%	0.363%
45	14.300	2037	2047	2050	rBV2	24928	49308	7.56%	0.609%
46	14.336	2050	2053	2058	rVB	43776	58512	8.97%	0.723%
47	14.385	2058	2061	2064	rBV3	15682	22468	3.45%	0.278%
48	14.428	2065	2068	2070	rBV3	6210	7592	1.16%	0.094%
49	14.568	2087	2091	2096	rBV	37628	61387	9.41%	0.758%
50	14.617	2096	2099	2103	rVB3	12059	17006	2.61%	0.210%
51	14.690	2103	2111	2116	rBV3	132305	266898	40.93%	3.298%
52	14.751	2116	2121	2130	rVB3	42335	72812	11.17%	0.900%
53	14.836	2130	2135	2139	rBV	45124	70813	10.86%	0.875%
54	14.873	2139	2141	2145	rVB3	7012	7773	1.19%	0.096%
55	14.946	2148	2153	2158	rBV3	37558	64836	9.94%	0.801%
56	15.056	2166	2171	2178	rVB2	27183	52358	8.03%	0.647%
57	15.239	2195	2201	2207	rVV	250115	409178	62.76%	5.056%
58	15.342	2213	2218	2224	rVV2	24416	50374	7.73%	0.622%
59	15.403	2224	2228	2231	rVB3	9234	14347	2.20%	0.177%
60	15.531	2243	2249	2253	rBV	22522	40887	6.27%	0.505%
61	15.672	2267	2272	2273	rBV5	8330	13489	2.07%	0.167%
62	15.720	2276	2280	2284	rVV6	17491	31593	4.85%	0.390%
63	15.769	2284	2288	2292	rVB	11844	16740	2.57%	0.207%
64	15.836	2292	2299	2304	rBV5	20394	51081	7.83%	0.631%
65	16.031	2325	2331	2337	rBV10	10440	21693	3.33%	0.268%
66	16.110	2341	2344	2350	rVV7	4519	8493	1.30%	0.105%
67	16.232	2357	2364	2369	rBV	25720	53800	8.25%	0.665%
68	16.293	2369	2374	2381	rVV	68534	131163	20.12%	1.621%
69	16.495	2399	2407	2418	rVB	250969	533420	81.81%	6.591%
70	16.763	2446	2451	2455	rBV7	5484	10920	1.67%	0.135%

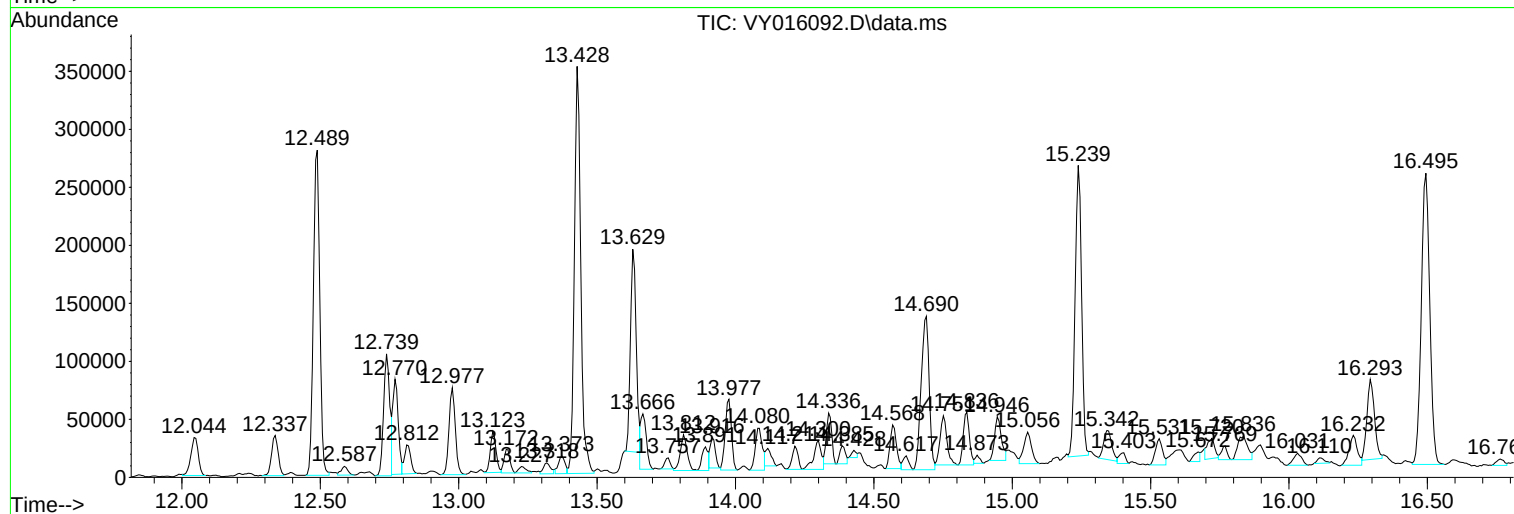
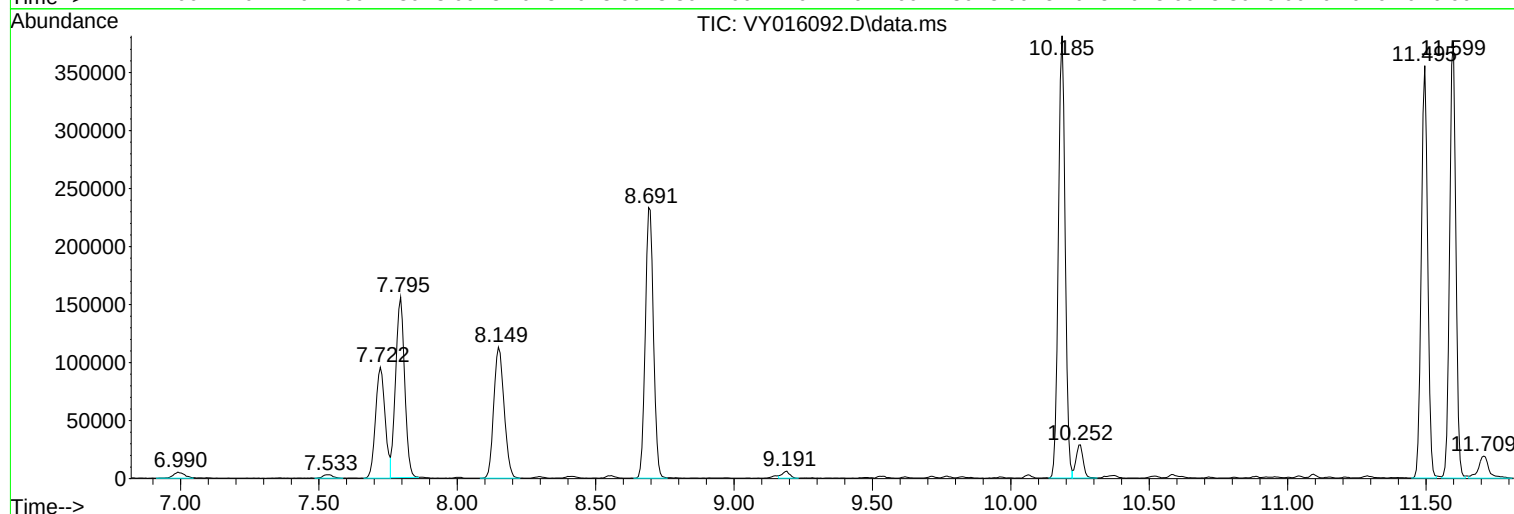
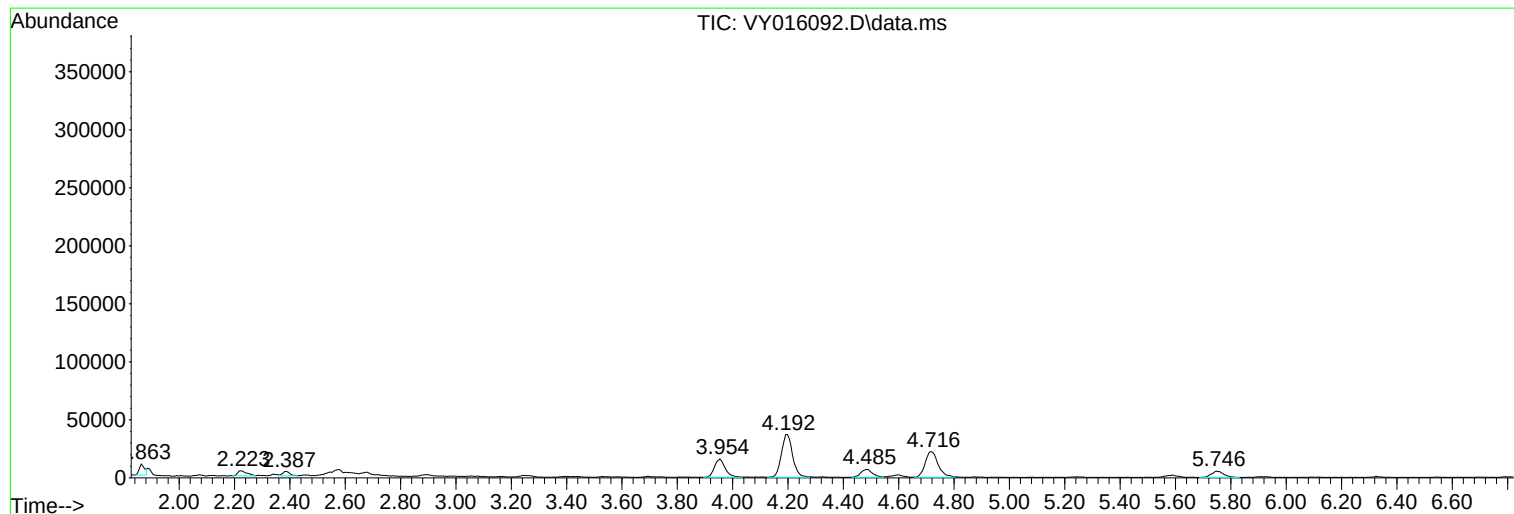
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ClientSampleId :
M-4(50FT)(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-4(50FT)(0-5)

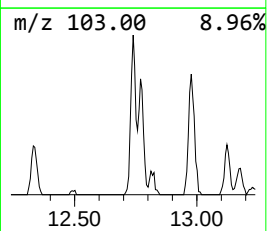
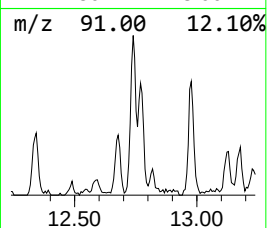
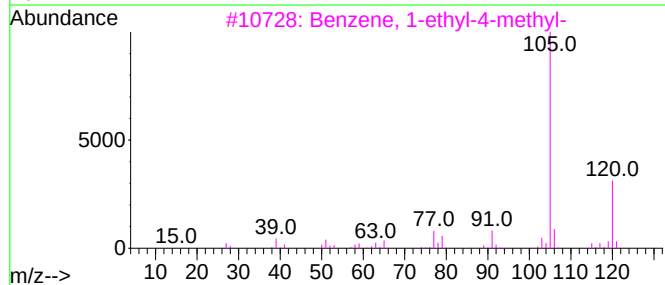
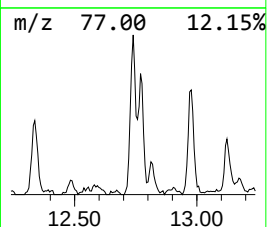
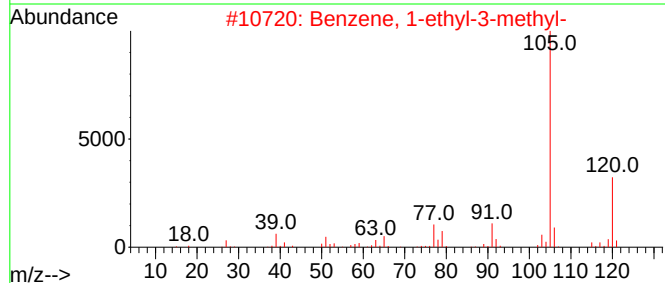
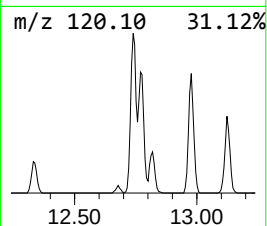
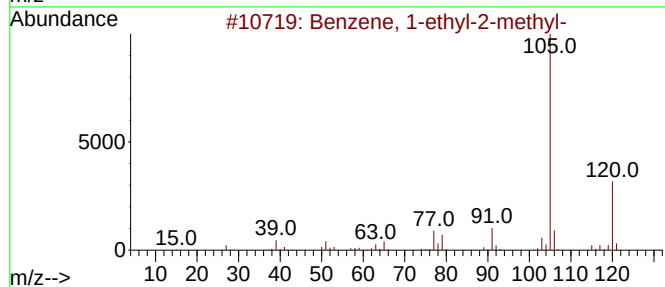
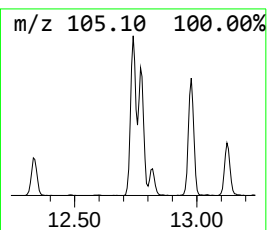
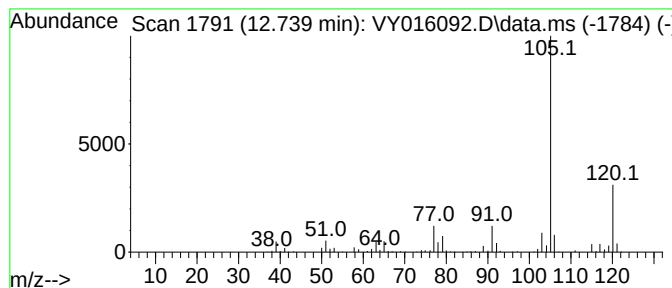
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.739	15.03 ug/l	169732	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5			Mesitylene	120	C9H12	000108-67-8	91



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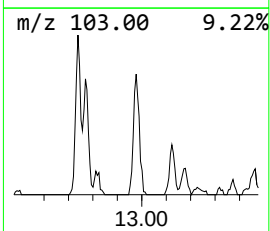
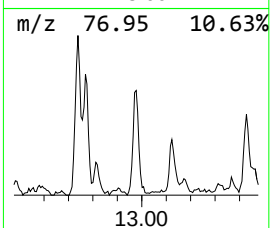
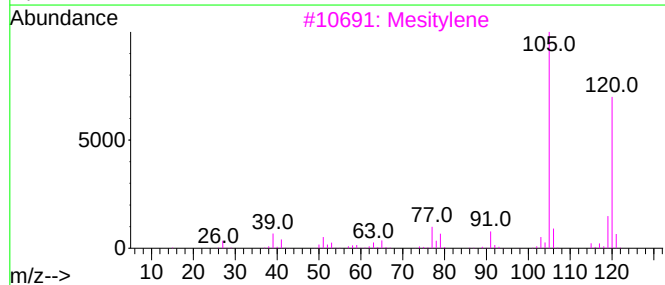
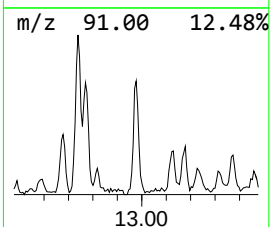
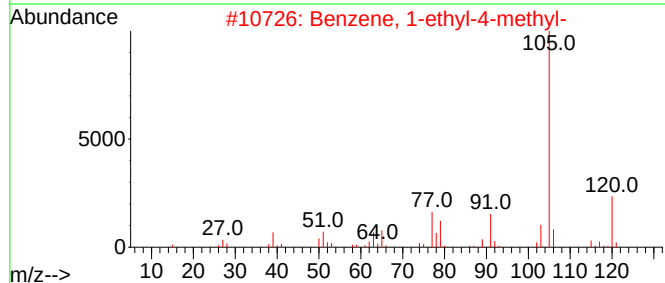
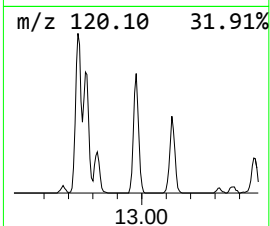
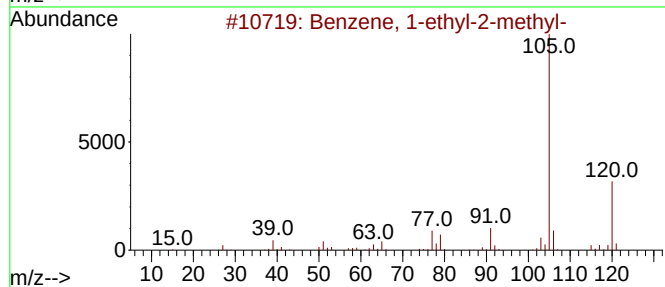
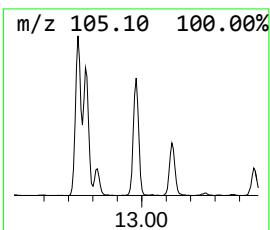
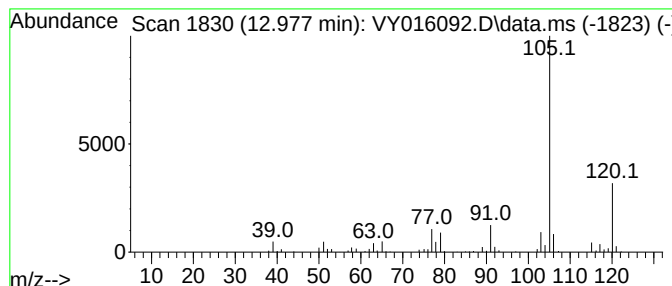
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.977	10.48 ug/l	118344	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



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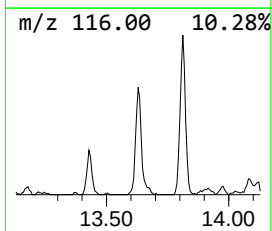
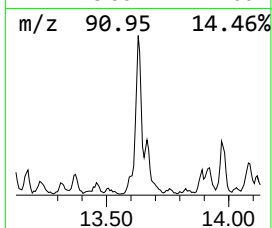
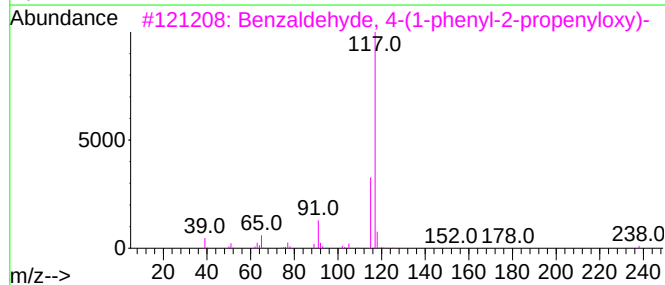
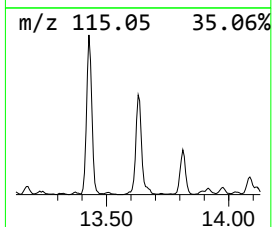
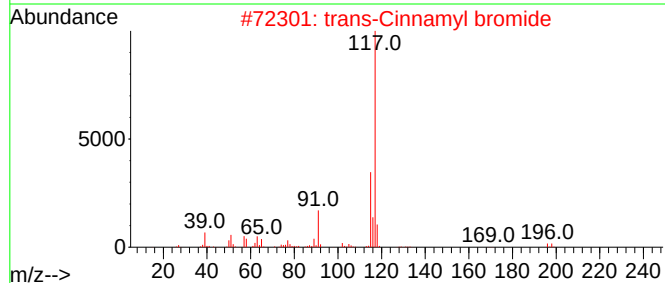
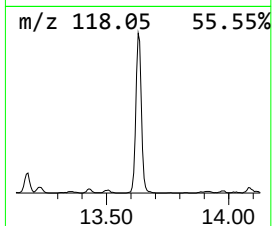
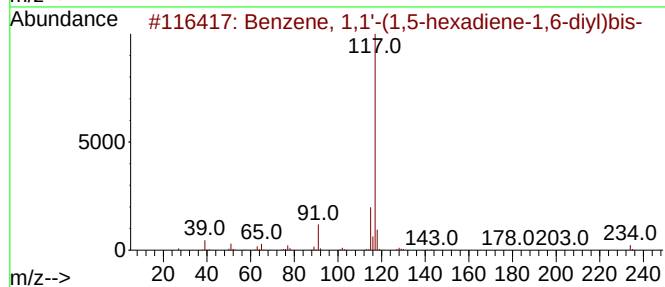
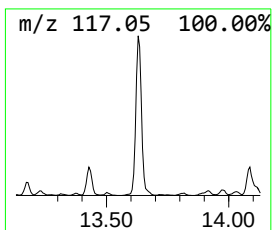
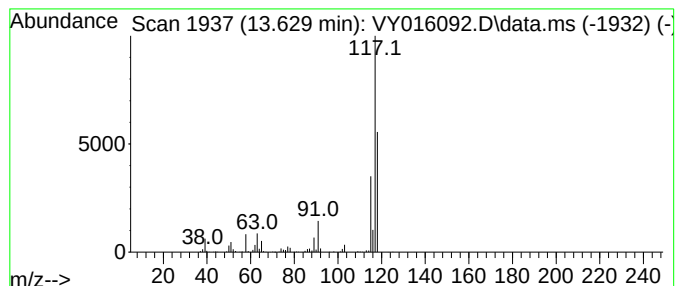
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.629	22.62 ug/l	255446	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
2			trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	59
3			Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	53
4			Indole	117	C8H7N	000120-72-9	49
5			1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	42



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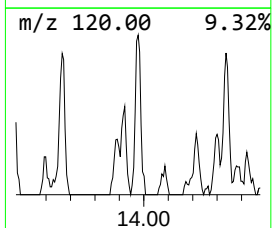
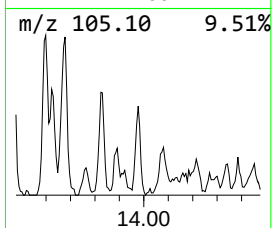
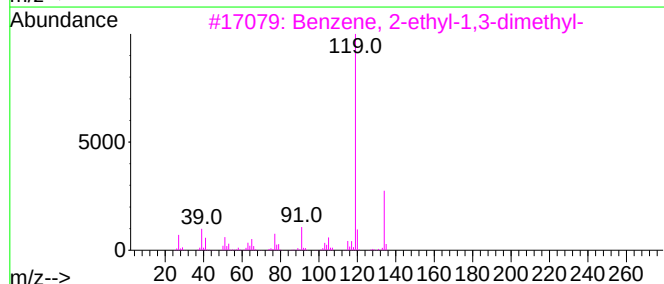
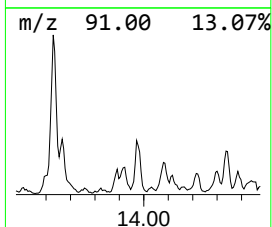
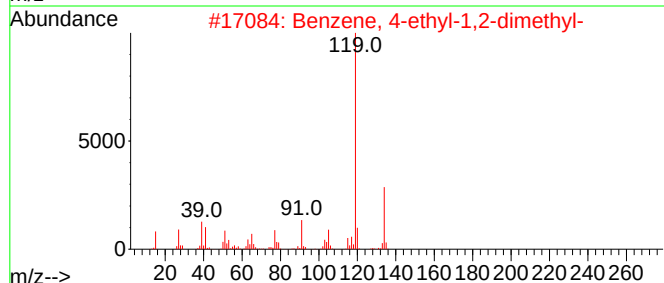
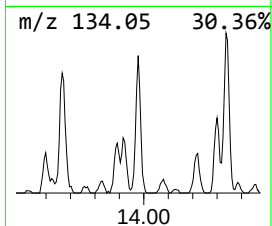
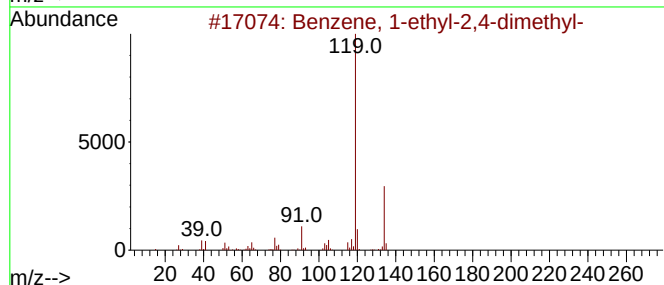
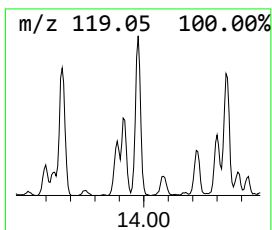
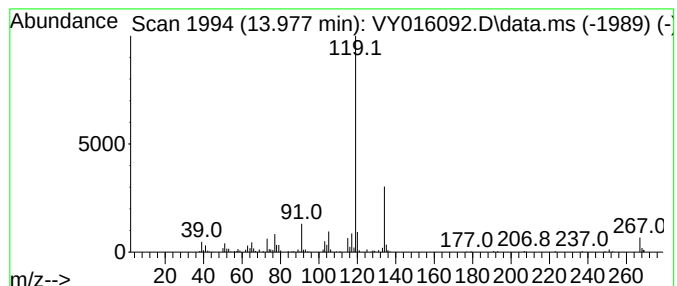
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.977	8.37 ug/l	94581	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
Data File : VY016092.D
Acq On : 26 Oct 2023 21:03
Operator : SY/MD
Sample : 05040-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-4(50FT)(0-5)

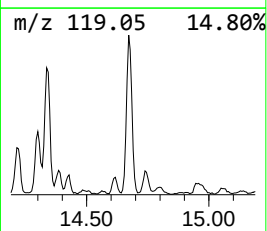
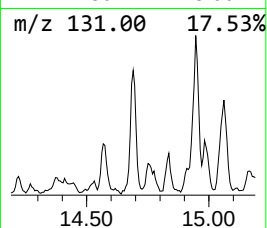
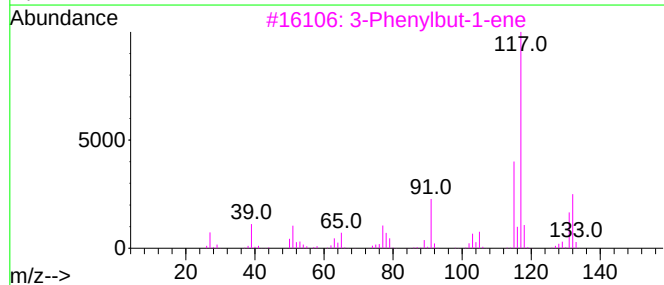
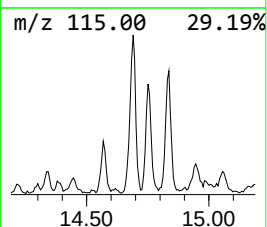
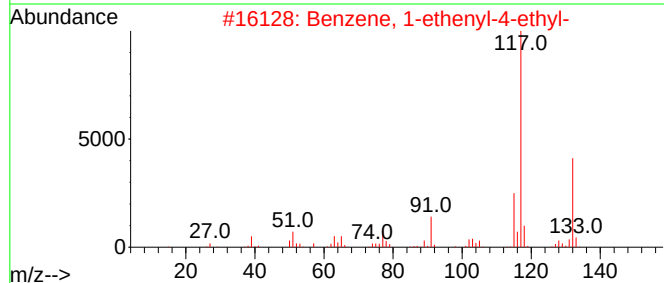
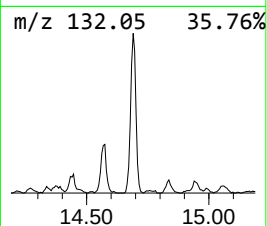
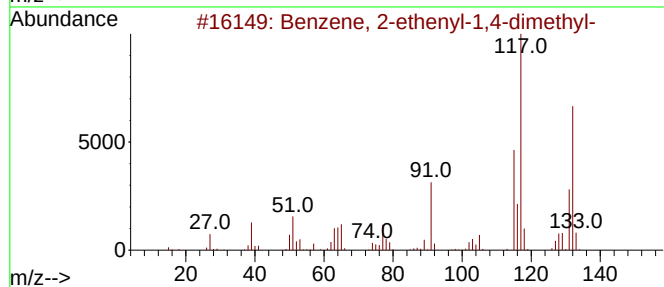
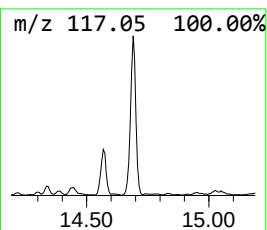
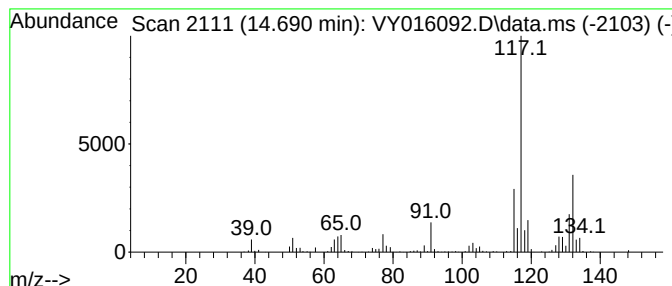
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.690	23.63 ug/l	266898	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4			Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
5			1-Phenyl-1-butene	132	C10H12	000824-90-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
Data File : VY016092.D
Acq On : 26 Oct 2023 21:03
Operator : SY/MD
Sample : 05040-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-4(50FT)(0-5)

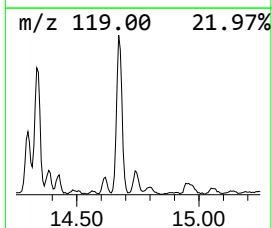
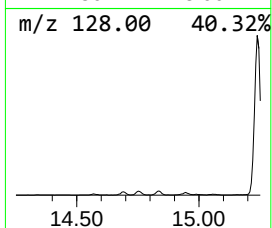
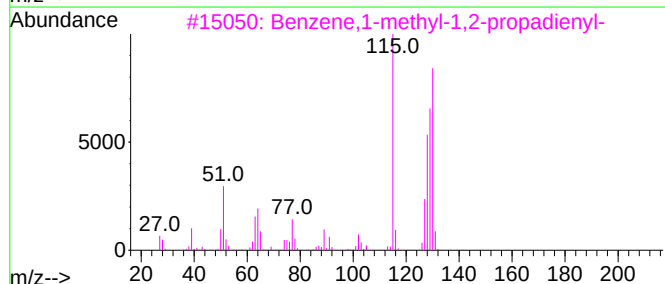
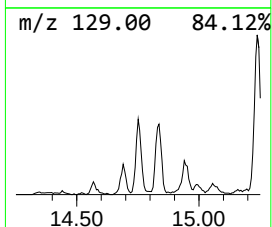
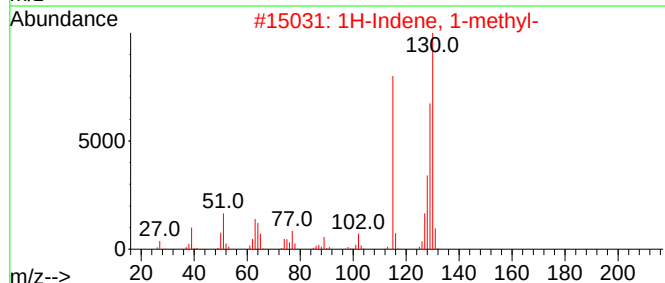
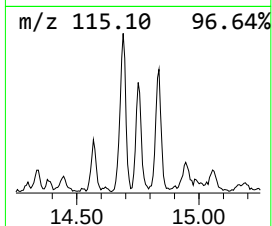
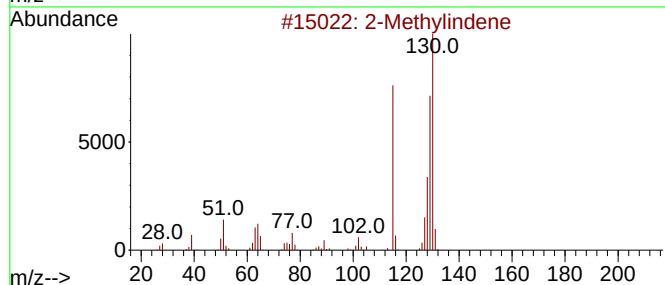
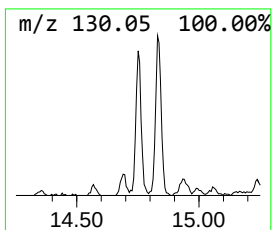
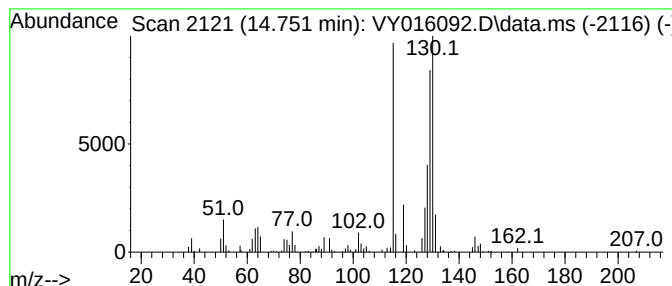
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 2-Methylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.751	6.45 ug/l	72812	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Methylindene	130	C10H10	002177-47-1	94
2			1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
3			Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
4			1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93
5			Benzene, 1-butylnyl-	130	C10H10	000622-76-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
Data File : VY016092.D
Acq On : 26 Oct 2023 21:03
Operator : SY/MD
Sample : 05040-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-4(50FT)(0-5)

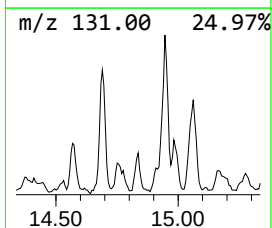
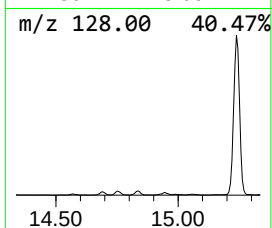
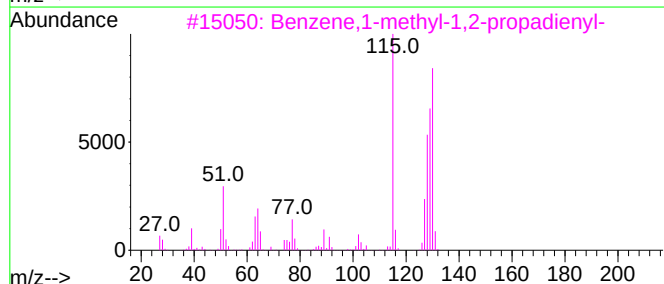
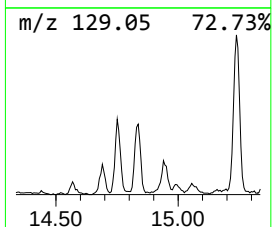
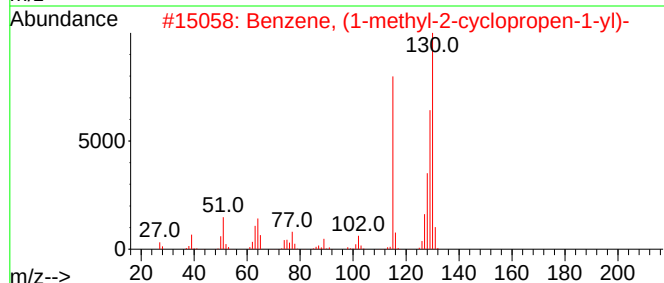
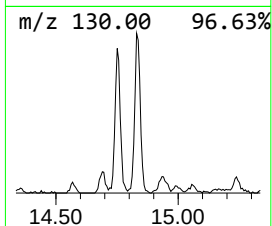
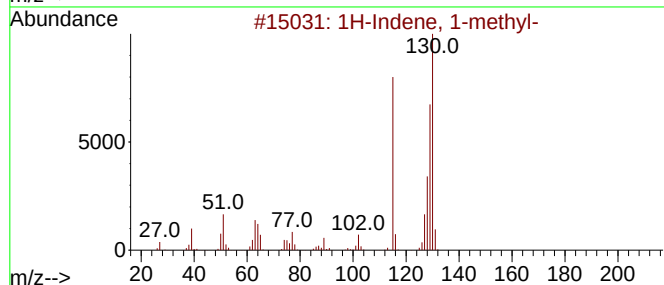
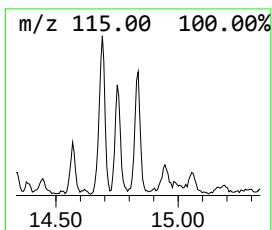
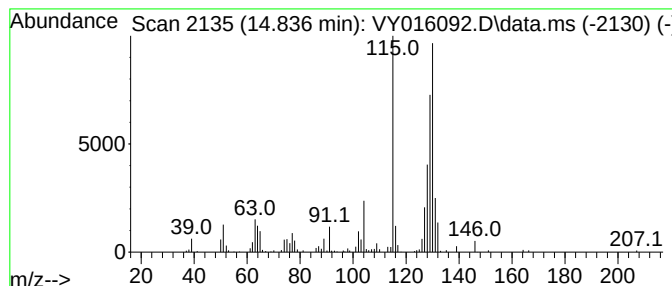
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 1H-Indene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	6.27 ug/l	70813	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2			Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
3			Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
4			1H-Indene, 3-methyl-	130	C10H10	000767-60-2	92
5			Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
Data File : VY016092.D
Acq On : 26 Oct 2023 21:03
Operator : SY/MD
Sample : 05040-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-4(50FT)(0-5)

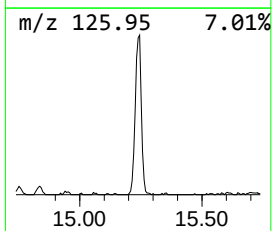
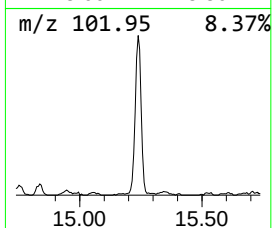
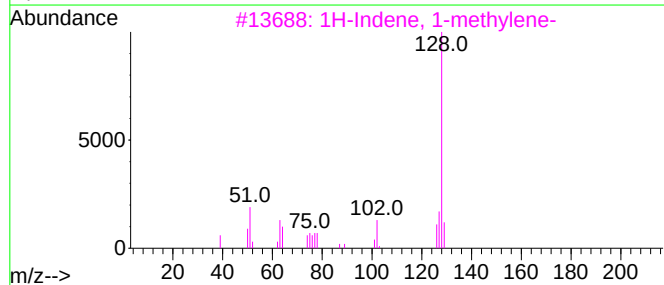
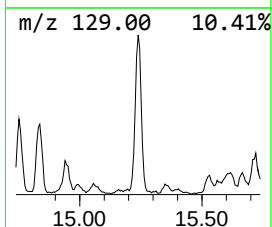
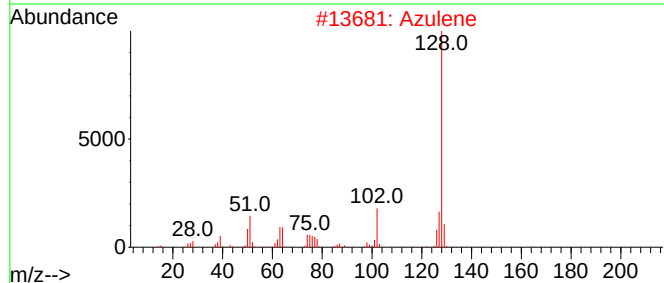
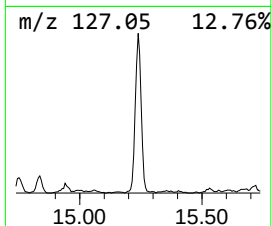
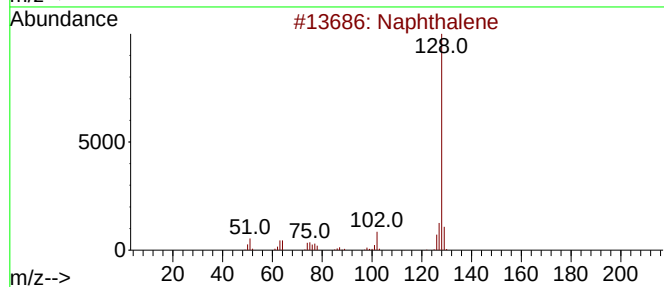
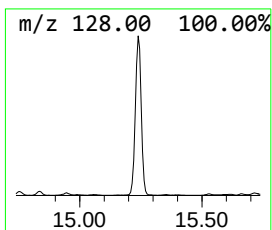
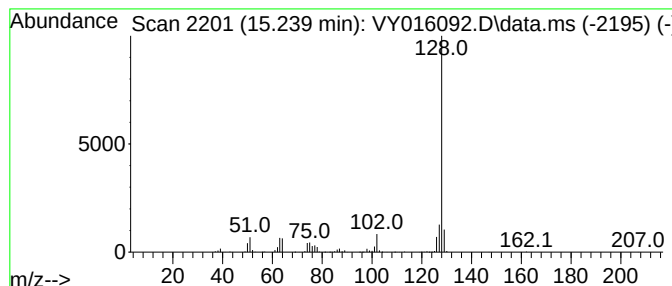
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.239	36.23 ug/l	409178	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	95
2			Azulene	128	C10H8	000275-51-4	91
3			1H-Indene, 1-methylene-	128	C10H8	002471-84-3	64
4			4a,8a-(Methaniminomethano)naphth...	275	C18H13NO2	069915-10-2	64
5			1,3-Dicyanobenzene	128	C8H4N2	000626-17-5	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
Data File : VY016092.D
Acq On : 26 Oct 2023 21:03
Operator : SY/MD
Sample : 05040-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-4(50FT)(0-5)

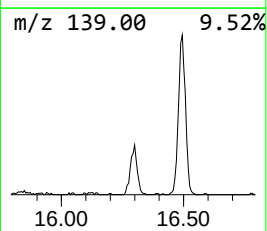
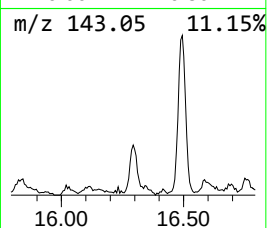
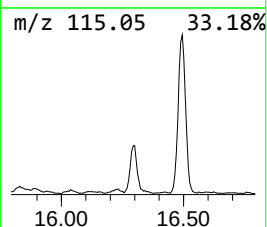
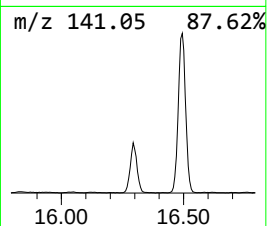
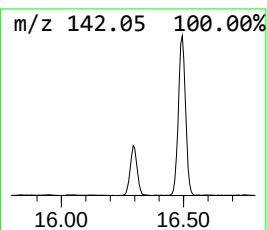
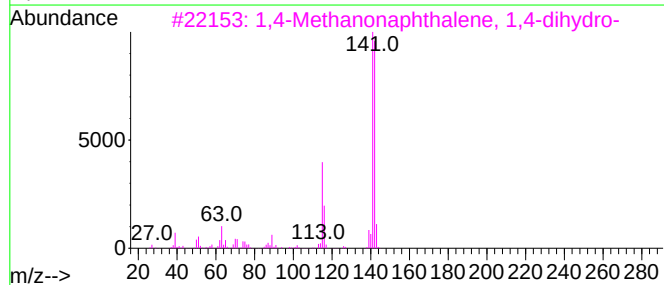
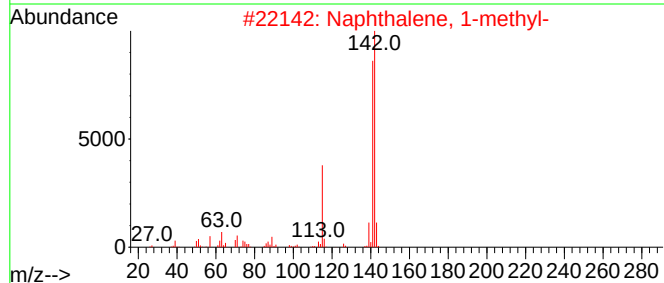
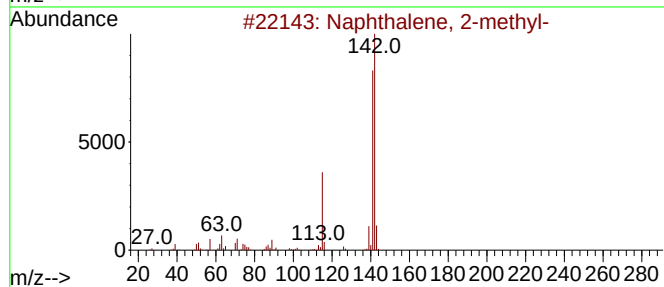
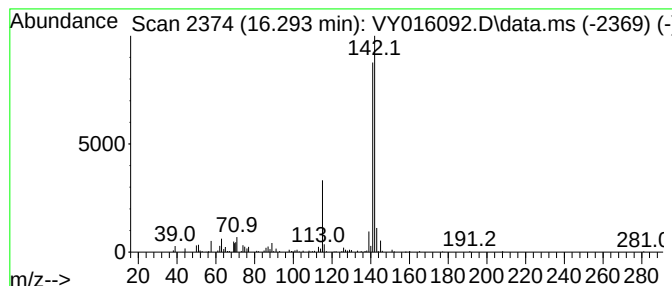
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1,4-Methanonaphthalene, 1,4... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.293	11.61 ug/l	131163	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4			Benzocycloheptatriene	142	C11H10	000264-09-5	91
5			Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
Data File : VY016092.D
Acq On : 26 Oct 2023 21:03
Operator : SY/MD
Sample : 05040-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-4(50FT)(0-5)

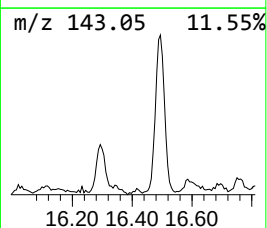
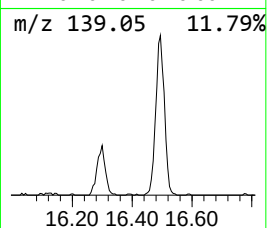
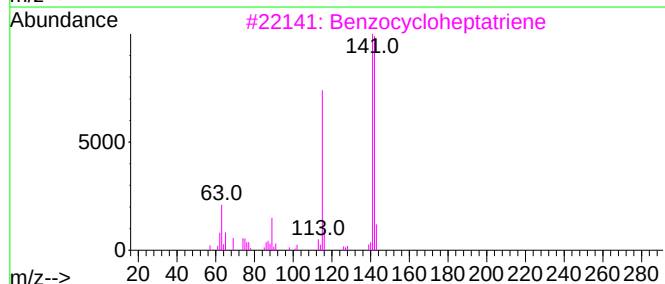
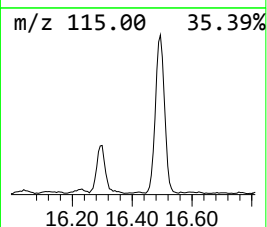
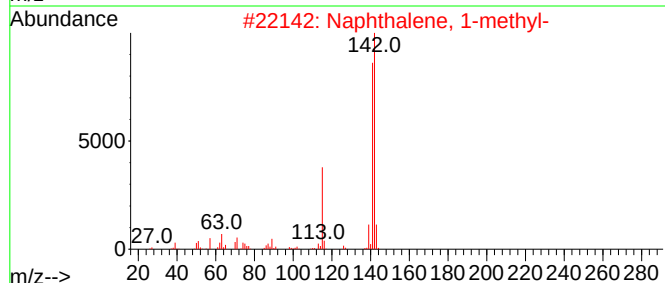
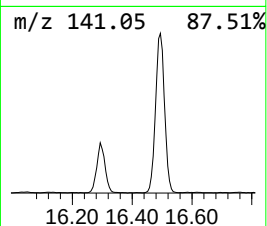
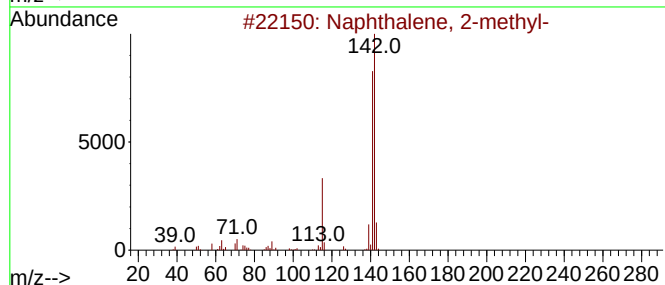
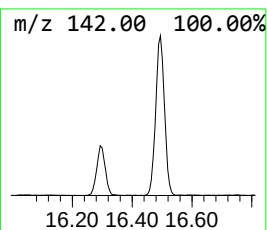
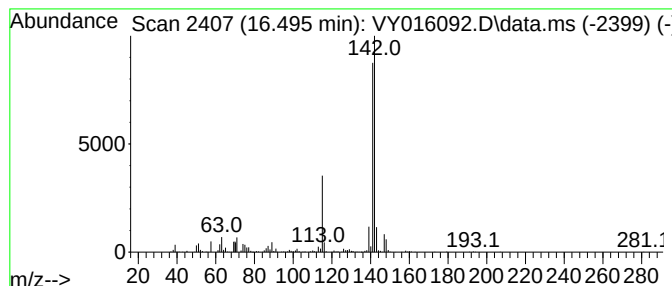
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzocycloheptatriene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.495	47.23 ug/l	533420	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			Benzocycloheptatriene	142	C11H10	000264-09-5	90
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5			1-Naphthaleneacetamide	185	C12H11NO	000086-86-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102623\
Data File : VY016092.D
Acq On : 26 Oct 2023 21:03
Operator : SY/MD
Sample : 05040-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-4(50FT)(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-ethy...	12.739	15.0	ug/l	169732	4	13.428	564675	50.0
Benzene, 1-ethy...	12.977	10.5	ug/l	118344	4	13.428	564675	50.0
Benzene, 1,1'-(...	13.629	22.6	ug/l	255446	4	13.428	564675	50.0
Benzene, 1-ethy...	13.977	8.4	ug/l	94581	4	13.428	564675	50.0
Benzene, 2-ethe...	14.690	23.6	ug/l	266898	4	13.428	564675	50.0
2-Methylindene	14.751	6.5	ug/l	72812	4	13.428	564675	50.0
1H-Indene, 1-me...	14.836	6.3	ug/l	70813	4	13.428	564675	50.0
Azulene	15.239	36.2	ug/l	409178	4	13.428	564675	50.0
1,4-Methanonaph...	16.293	11.6	ug/l	131163	4	13.428	564675	50.0
Benzocyclohepta...	16.495	47.2	ug/l	533420	4	13.428	564675	50.0