

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015602.D
 Acq On : 16 Sep 2023 05:07
 Operator : SY/MD
 Sample : 04419-14
 Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-08(23-25)

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\82Y082923S.M
 Title : SW846 8260

Signal : TIC: VY015602.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.728	467	477	494	rVB	38864	120441	3.54%	0.345%
2	7.728	959	969	975	rBV	186077	445740	13.11%	1.275%
3	7.801	975	981	992	rVB	326366	736432	21.66%	2.107%
4	8.155	1030	1039	1052	rBV	196665	432850	12.73%	1.238%
5	8.703	1120	1129	1140	rBV	477278	956458	28.13%	2.737%
6	10.191	1365	1373	1383	rBV	744184	1289294	37.92%	3.689%
7	11.288	1544	1553	1563	rVB2	36284	85406	2.51%	0.244%
8	11.392	1563	1570	1580	rBV	30436	54770	1.61%	0.157%
9	11.495	1580	1587	1595	rBV	718237	1164962	34.27%	3.333%
10	11.709	1613	1622	1633	rBV2	144099	304573	8.96%	0.871%
11	12.038	1667	1676	1686	rVB	75572	157889	4.64%	0.452%
12	12.422	1724	1739	1741	rBV3	63856	208196	6.12%	0.596%
13	12.447	1741	1743	1745	rVV	72728	99419	2.92%	0.284%
14	12.489	1745	1750	1755	rVV	610753	1043311	30.69%	2.985%
15	12.532	1755	1757	1761	rVB	69205	75753	2.23%	0.217%
16	12.739	1784	1791	1795	rBV	1033379	1706042	50.18%	4.881%
17	12.776	1795	1797	1800	rVV	503560	601865	17.70%	1.722%
18	12.818	1800	1804	1811	rVB	886675	1322573	38.90%	3.784%
19	12.977	1818	1830	1839	rBV	494562	888313	26.13%	2.542%
20	13.129	1848	1855	1861	rVV	2268297	3399724	100.00%	9.727%
21	13.172	1861	1862	1868	rVB	31394	37789	1.11%	0.108%
22	13.318	1879	1886	1891	rVB	112279	185613	5.46%	0.531%
23	13.373	1891	1895	1898	rBV2	65960	105472	3.10%	0.302%
24	13.434	1898	1905	1907	rVV	754041	1180283	34.72%	3.377%
25	13.465	1907	1910	1915	rVV	764543	1122681	33.02%	3.212%
26	13.507	1915	1917	1924	rVB3	60491	85277	2.51%	0.244%
27	13.599	1926	1932	1934	rBV	334665	509290	14.98%	1.457%
28	13.629	1934	1937	1940	rVV	986338	1433710	42.17%	4.102%
29	13.672	1940	1944	1953	rVB2	1055929	1827807	53.76%	5.230%
30	13.757	1953	1958	1963	rBV2	111763	171782	5.05%	0.491%
31	13.830	1964	1970	1975	rVB	252345	375708	11.05%	1.075%
32	13.891	1975	1980	1982	rBV	509750	725028	21.33%	2.074%
33	13.922	1982	1985	1989	rVV	532112	753699	22.17%	2.156%
34	13.977	1989	1994	2000	rVV	1050727	1545825	45.47%	4.423%
35	14.038	2000	2004	2007	rVV	75164	107467	3.16%	0.307%
36	14.086	2007	2012	2017	rVB	354934	550674	16.20%	1.576%

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Smoothing : ON

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Peak Location: TOP

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

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37	14.166	2017	2025	2029	rVB5	41718	87277	2.57%	0.250%
38	14.221	2029	2034	2039	rBV	213502	335564	9.87%	0.960%
39	14.300	2040	2047	2050	rVV	554990	861400	25.34%	2.465%
40	14.343	2050	2054	2058	rVV	736082	1089311	32.04%	3.117%
41	14.385	2058	2061	2065	rVV	230586	337643	9.93%	0.966%
42	14.428	2065	2068	2072	rVV	124626	176594	5.19%	0.505%
43	14.489	2074	2078	2080	rVV	40494	57084	1.68%	0.163%
44	14.525	2080	2084	2087	rVV	159483	226000	6.65%	0.647%
45	14.568	2087	2091	2096	rVV	475079	805071	23.68%	2.303%
46	14.617	2096	2099	2103	rVB	190607	255674	7.52%	0.732%
47	14.690	2103	2111	2116	rBV3	705023	1489350	43.81%	4.261%
48	14.745	2116	2120	2126	rVB2	167747	269080	7.91%	0.770%
49	14.842	2131	2136	2139	rBV	78480	117944	3.47%	0.337%
50	14.916	2144	2148	2149	rBV4	38719	54526	1.60%	0.156%
51	14.952	2149	2154	2158	rBV3	173089	304344	8.95%	0.871%
52	15.062	2165	2172	2181	rVB2	138939	293142	8.62%	0.839%
53	15.239	2191	2201	2207	rBV	414193	747662	21.99%	2.139%
54	15.355	2214	2220	2224	rBV3	70941	123769	3.64%	0.354%
55	15.403	2224	2228	2231	rVV2	39162	66368	1.95%	0.190%
56	15.440	2231	2234	2242	rVB4	31186	56180	1.65%	0.161%
57	15.531	2242	2249	2256	rBV	87169	168559	4.96%	0.482%
58	15.702	2266	2277	2286	rBV5	48609	170556	5.02%	0.488%
59	15.824	2292	2297	2302	rBV2	25037	45058	1.33%	0.129%
60	15.897	2302	2309	2326	rVB3	39442	115800	3.41%	0.331%
61	16.300	2368	2375	2390	rVB	282239	563384	16.57%	1.612%
62	16.495	2399	2407	2421	rVB	146054	321889	9.47%	0.921%

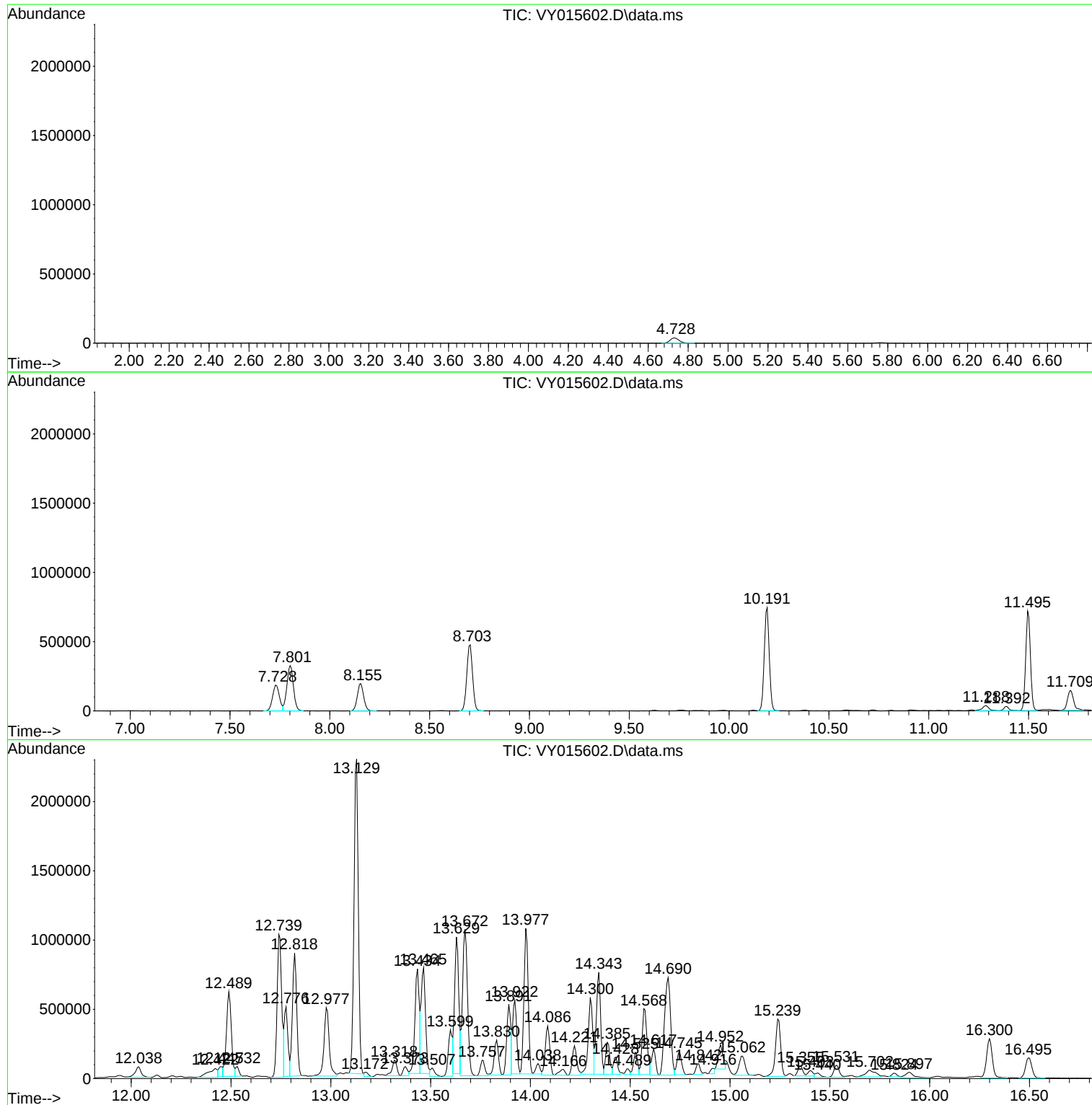
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Quant Title : SW846 8260

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



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ClientSampleId :
DB-08(23-25)

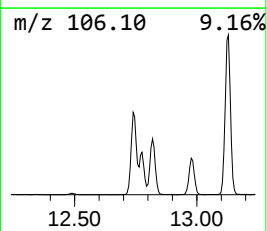
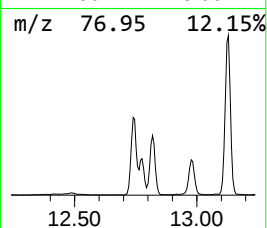
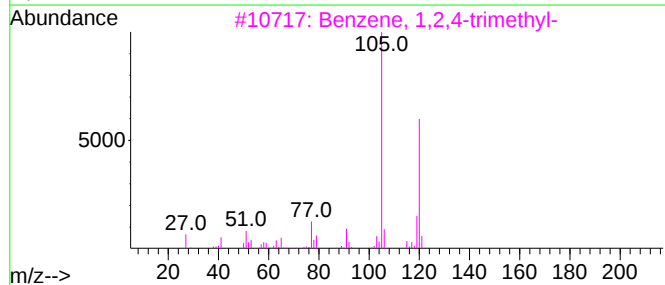
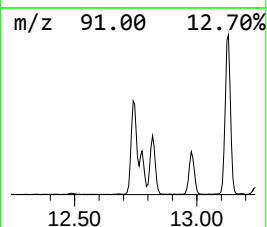
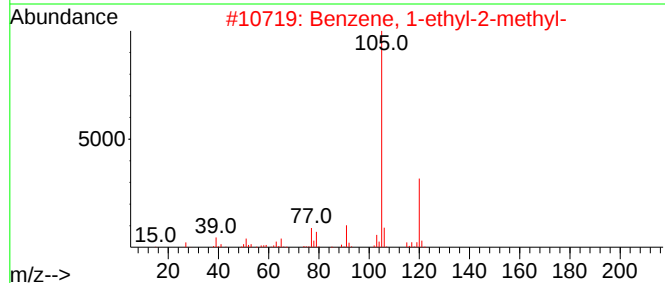
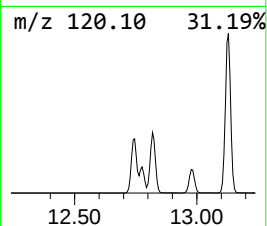
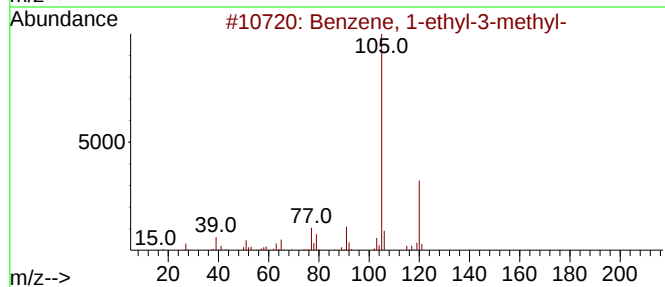
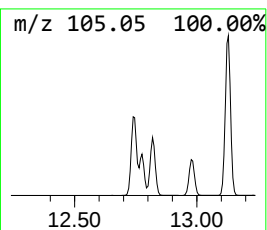
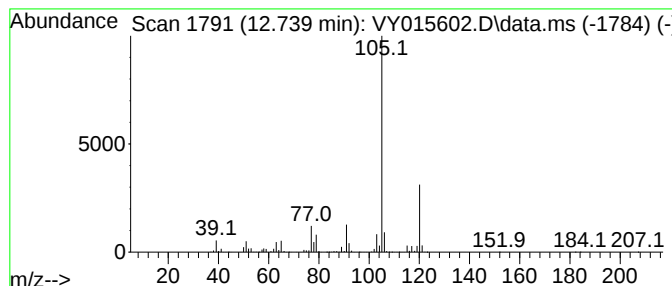
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

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

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.739	72.27 ug/l	1706040	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5			Mesitylene	120	C9H12	000108-67-8	91



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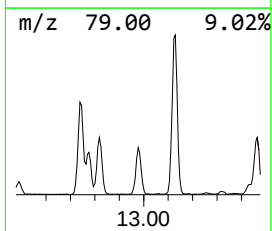
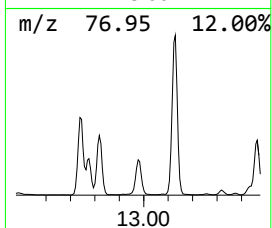
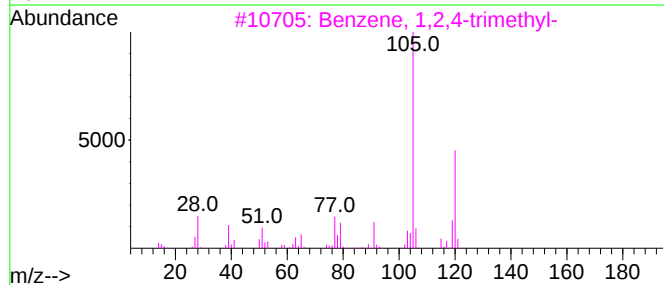
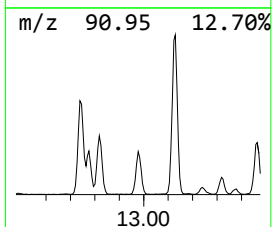
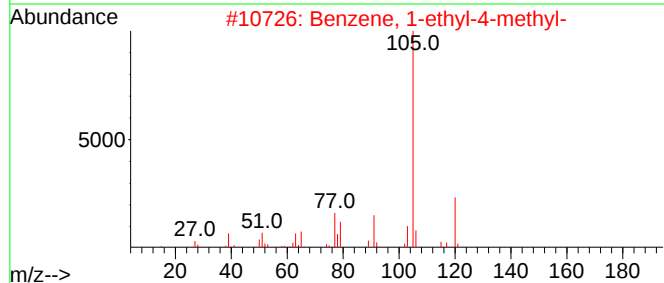
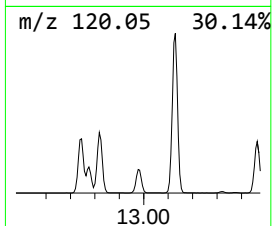
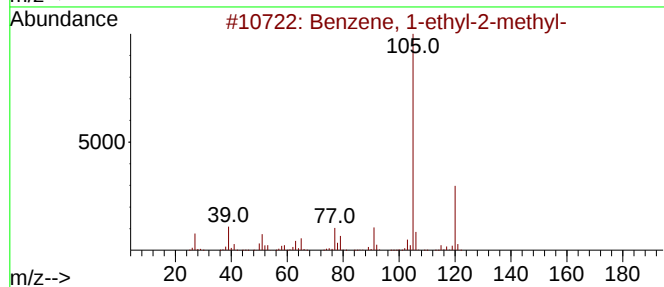
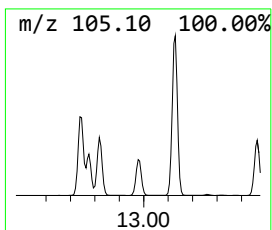
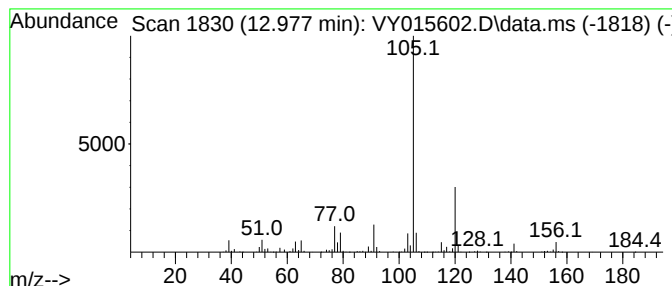
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.977	37.63 ug/l	888313	1,4-Dichlorobenzene-d4	13.434

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	91
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
4			Mesitylene	120	C9H12	000108-67-8	87
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87



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Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DB-08(23-25)

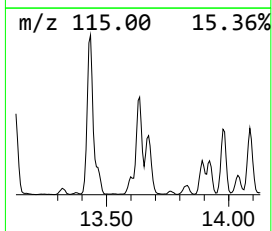
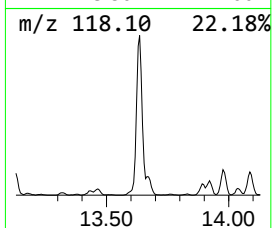
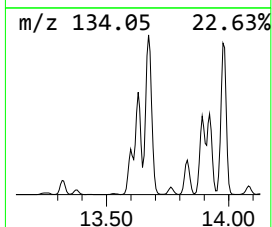
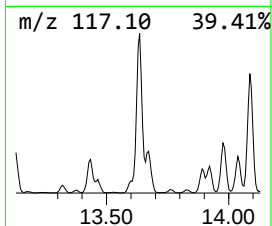
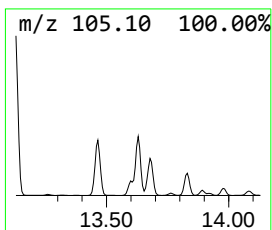
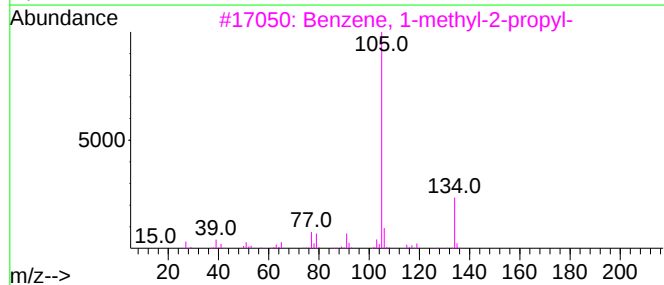
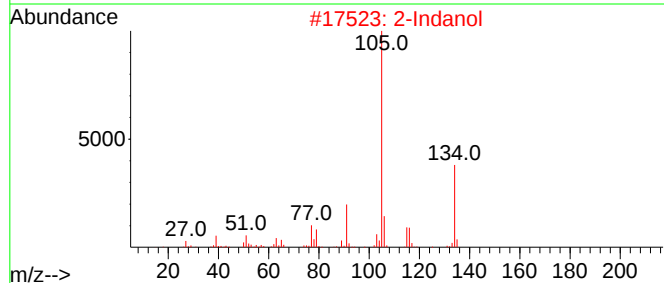
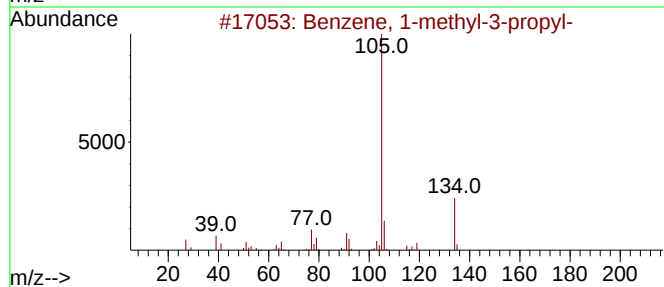
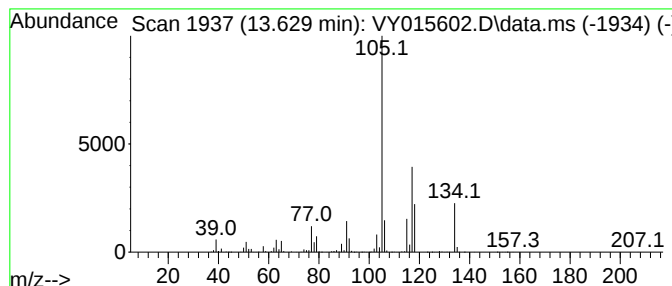
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

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

Peak Number 3 Benzene, 1-methyl-3-propyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.629	60.74 ug/l	1433710	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	50
2			2-Indanol	134	C9H10O	004254-29-9	43
3			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	43
4			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	41
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	38



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Instrument :
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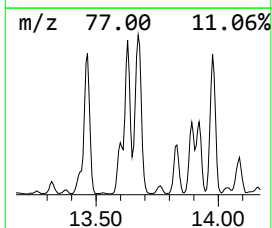
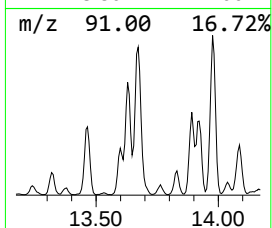
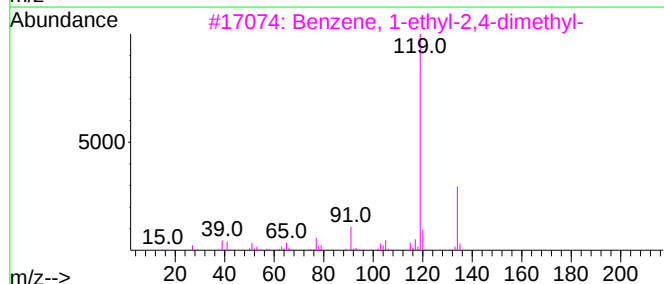
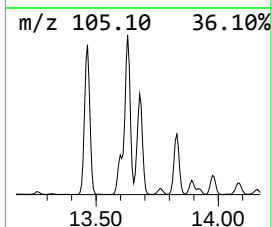
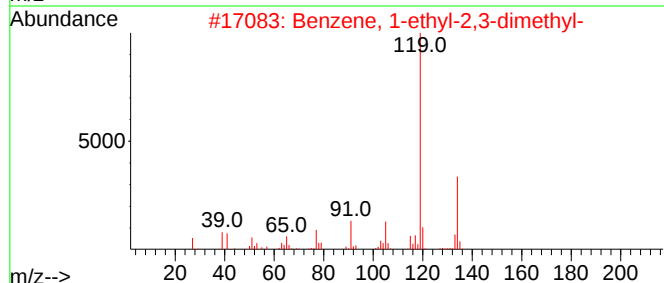
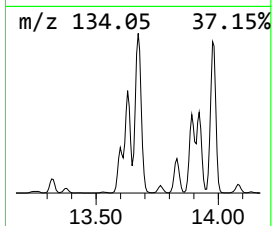
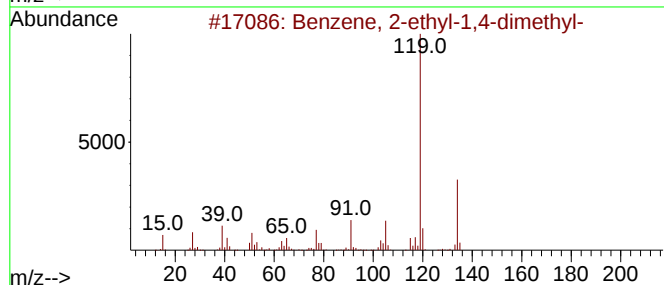
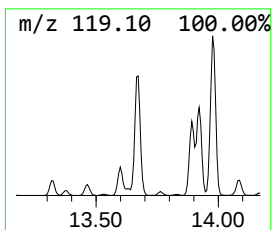
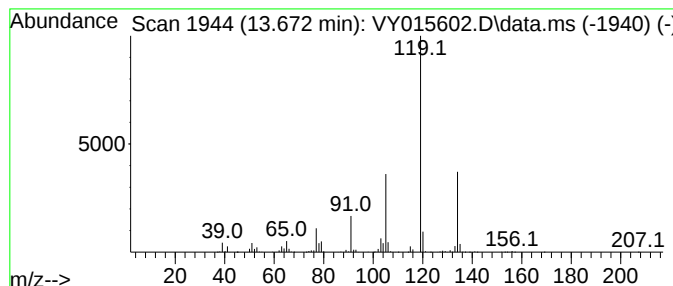
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.672	77.43 ug/l	1827810	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	86
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83



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ClientSampleId :
DB-08(23-25)

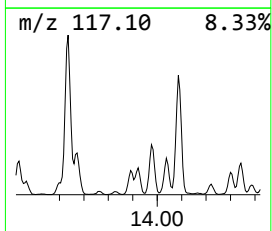
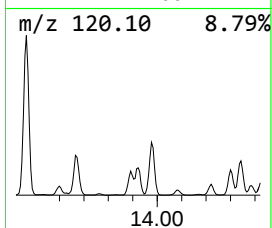
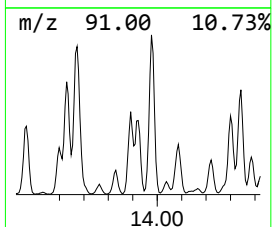
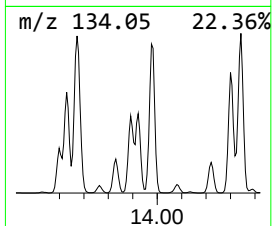
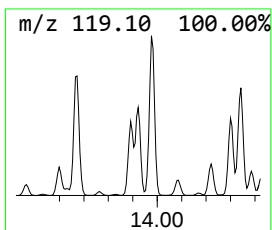
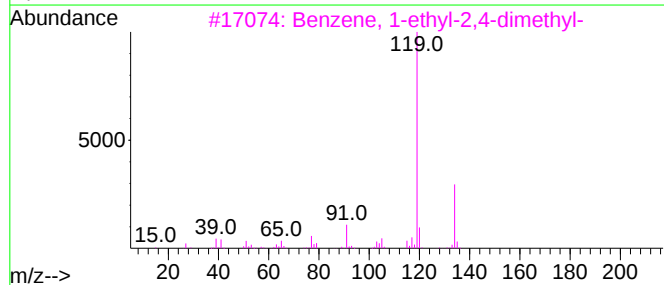
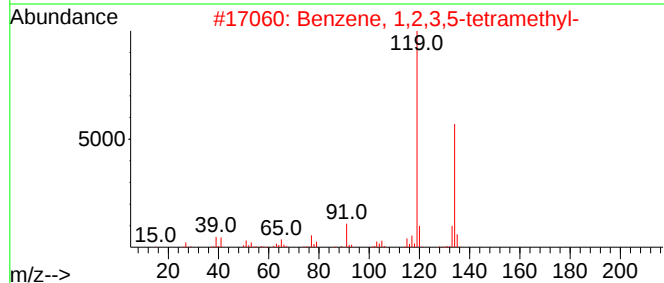
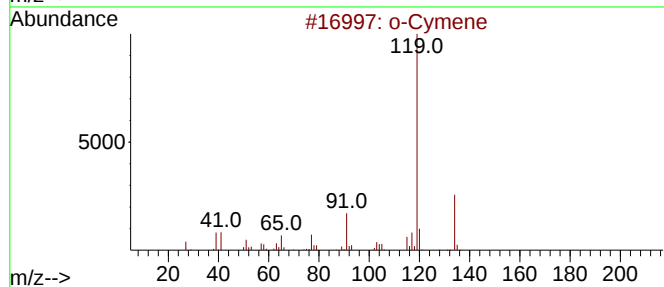
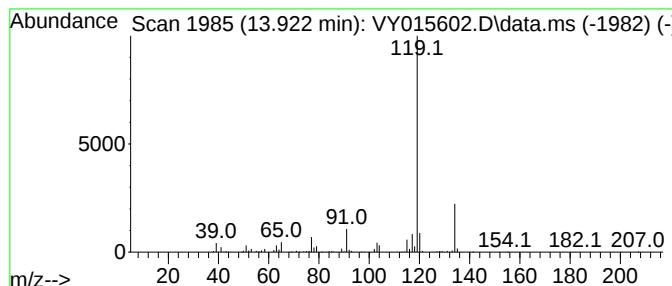
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Quant Title : SW846 8260

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

Peak Number 5 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.922	31.93 ug/l	753699	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	94
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
Data File : VY015602.D
Acq On : 16 Sep 2023 05:07
Operator : SY/MD
Sample : 04419-14
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DB-08(23-25)

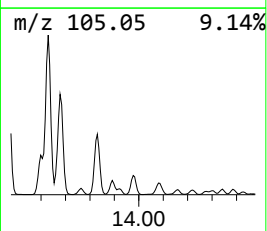
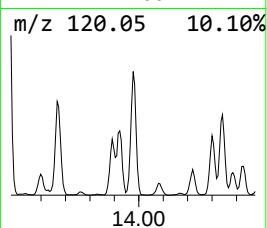
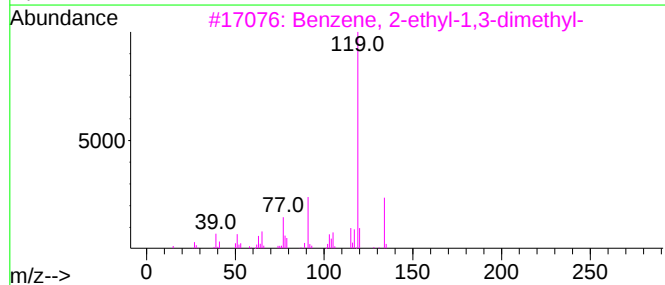
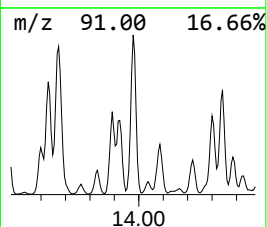
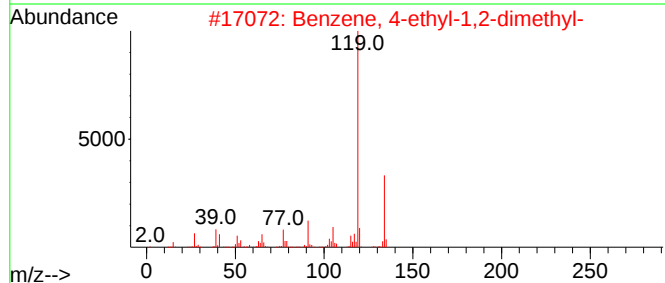
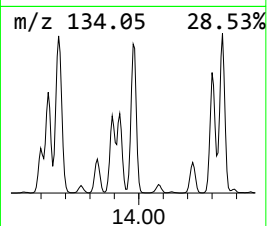
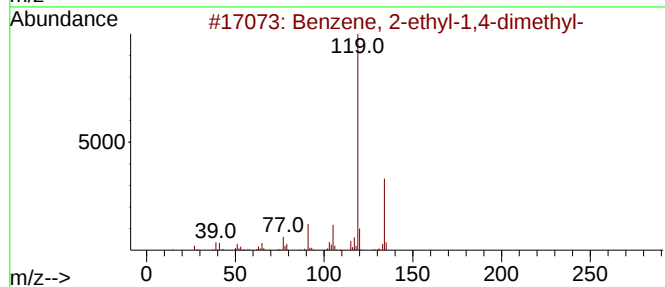
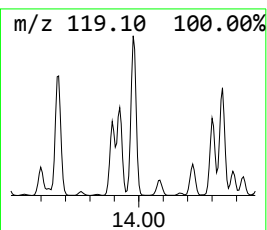
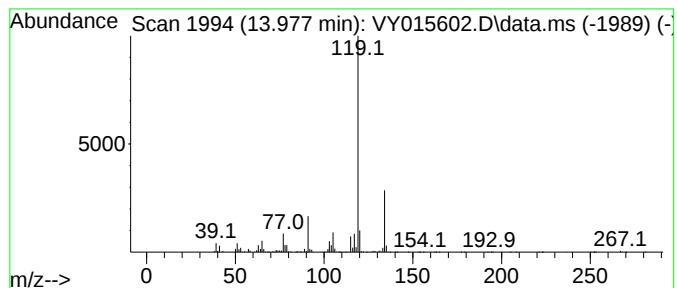
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.977	65.49 ug/l	1545830	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5			o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
Data File : VY015602.D
Acq On : 16 Sep 2023 05:07
Operator : SY/MD
Sample : 04419-14
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DB-08(23-25)

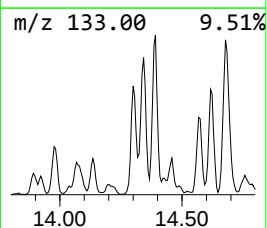
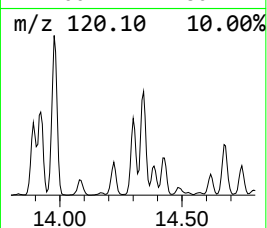
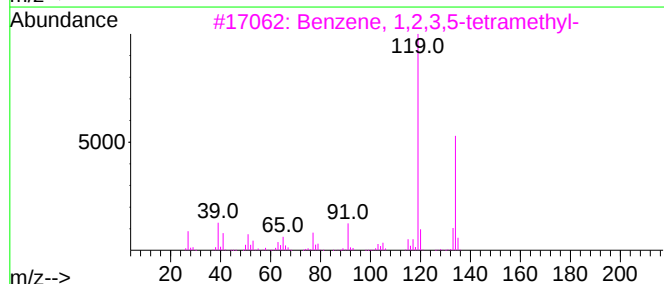
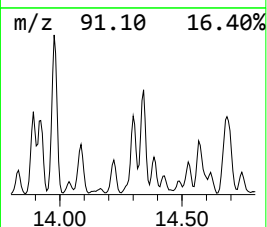
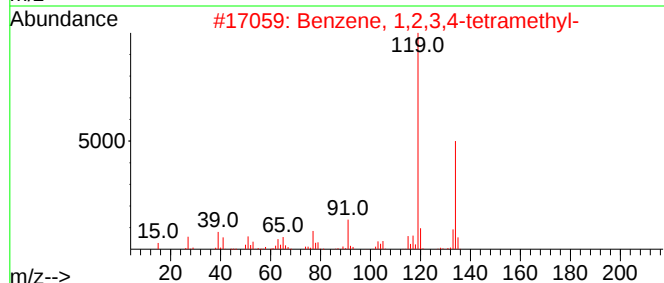
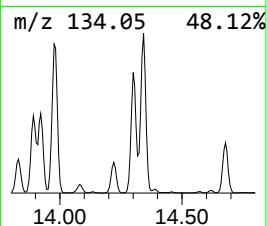
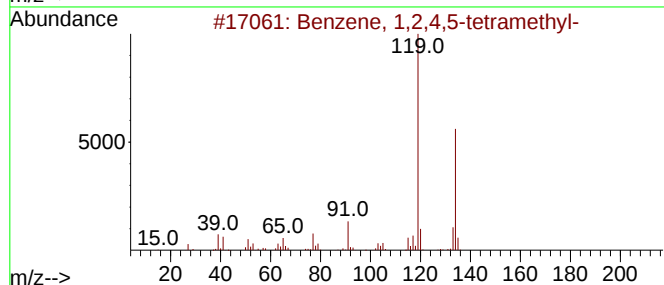
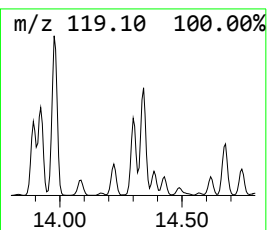
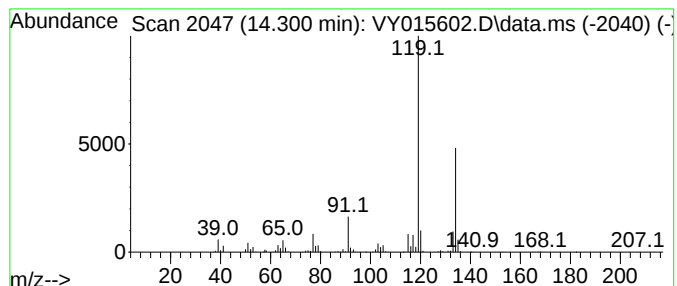
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.300	36.49 ug/l	861400	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4			o-Cymene	134	C10H14	000527-84-4	95
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
Data File : VY015602.D
Acq On : 16 Sep 2023 05:07
Operator : SY/MD
Sample : 04419-14
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DB-08(23-25)

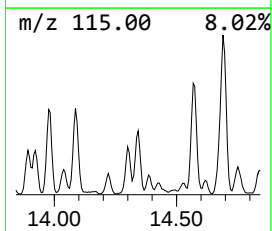
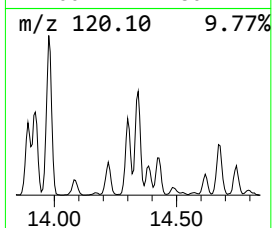
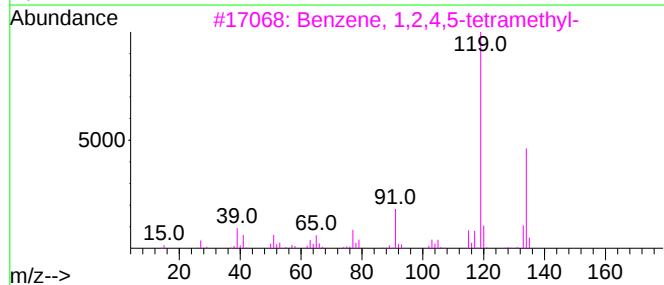
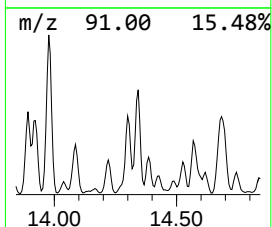
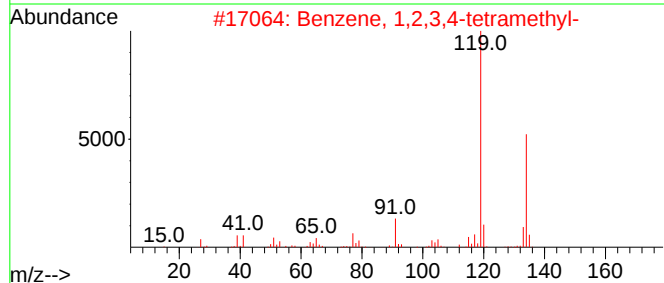
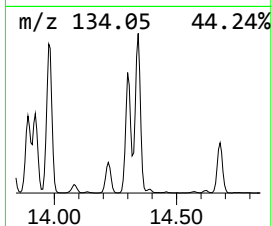
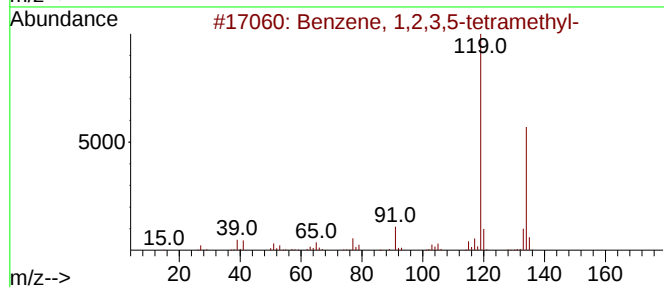
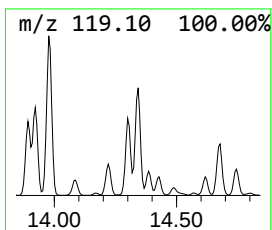
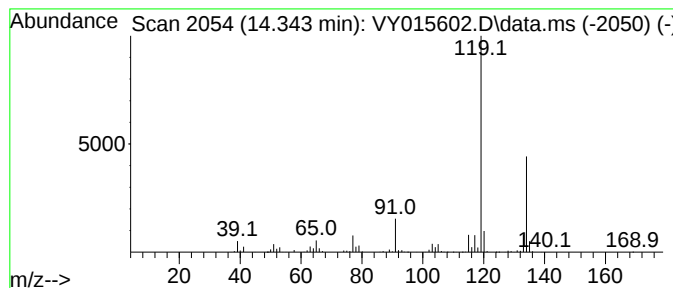
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.342	46.15 ug/l	1089310	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4			o-Cymene	134	C10H14	000527-84-4	94
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
Data File : VY015602.D
Acq On : 16 Sep 2023 05:07
Operator : SY/MD
Sample : 04419-14
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DB-08(23-25)

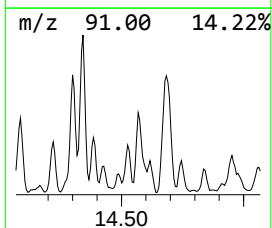
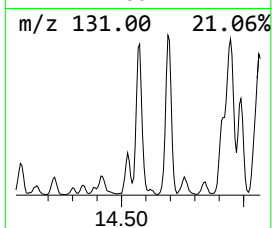
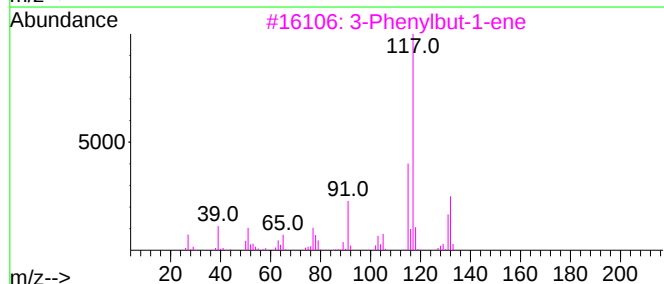
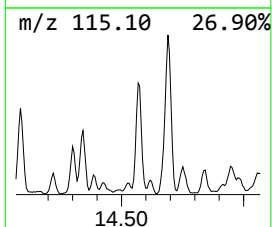
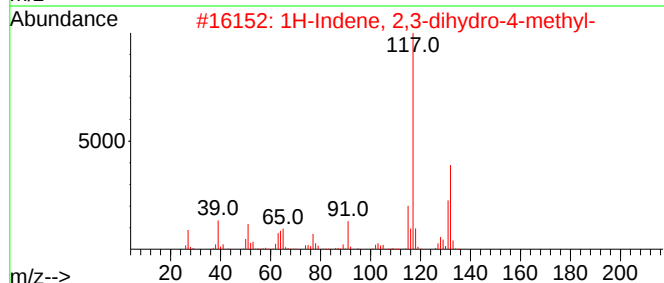
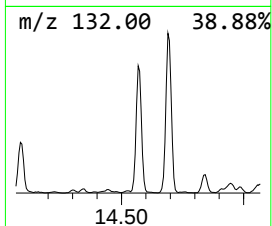
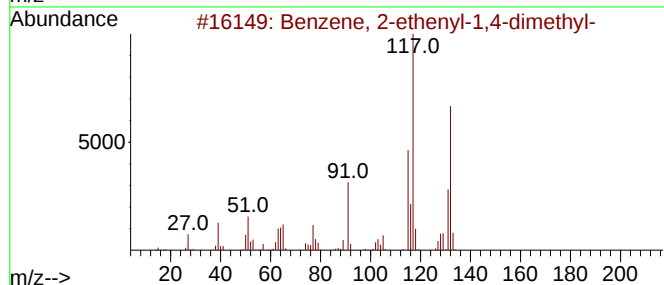
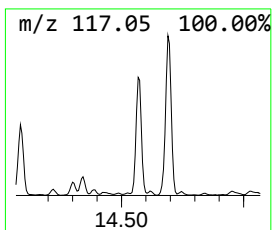
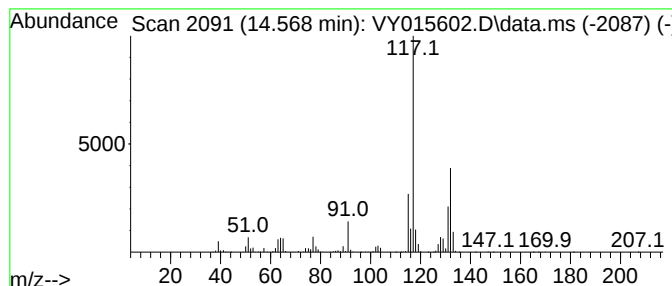
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.568	34.10 ug/l	805071	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
4			Indan, 1-methyl-	132	C10H12	000767-58-8	81
5			Benzene, 2-butenyl-	132	C10H12	001560-06-1	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
Data File : VY015602.D
Acq On : 16 Sep 2023 05:07
Operator : SY/MD
Sample : 04419-14
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DB-08(23-25)

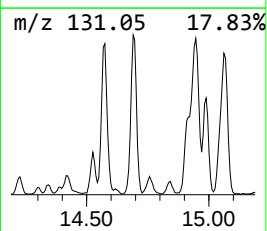
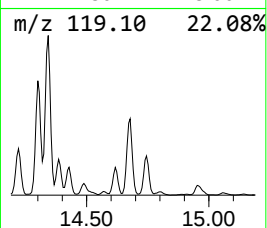
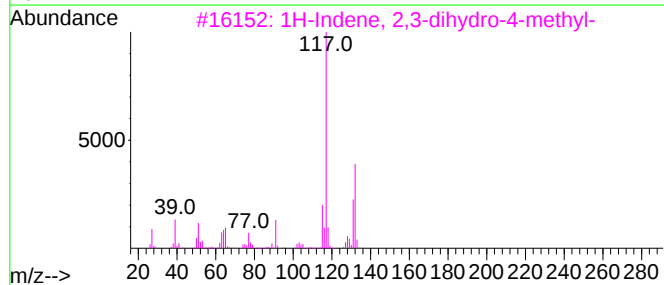
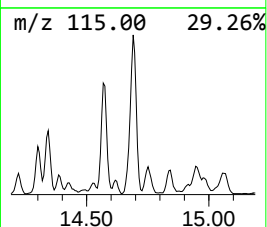
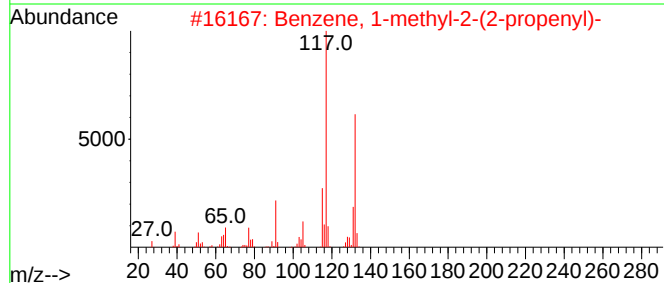
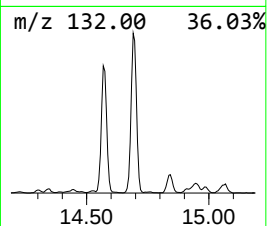
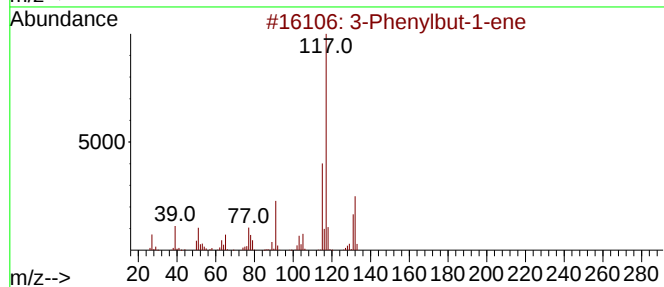
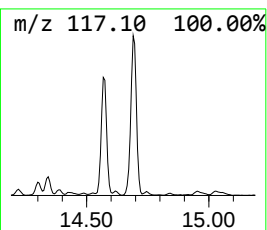
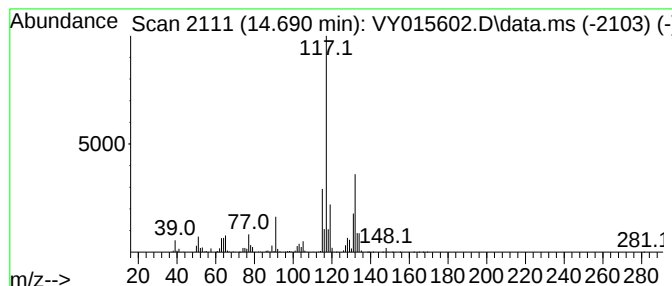
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260

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

Peak Number 10 3-Phenylbut-1-ene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.690	63.09 ug/l	1489350	1,4-Dichlorobenzene-d4	13.434

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
2			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
3			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
4			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
5			Indan, 1-methyl-	132	C10H12	000767-58-8	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
Data File : VY015602.D
Acq On : 16 Sep 2023 05:07
Operator : SY/MD
Sample : 04419-14
Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DB-08(23-25)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.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
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Benzene, 1-ethy...	12.977	37.6	ug/l	888313	4	13.434	1180280	50.0
Benzene, 1-meth...	13.629	60.7	ug/l	1433710	4	13.434	1180280	50.0
Benzene, 2-ethy...	13.672	77.4	ug/l	1827810	4	13.434	1180280	50.0
o-Cymene	13.922	31.9	ug/l	753699	4	13.434	1180280	50.0
Benzene, 4-ethy...	13.977	65.5	ug/l	1545830	4	13.434	1180280	50.0
Benzene, 1,2,4,...	14.300	36.5	ug/l	861400	4	13.434	1180280	50.0
Benzene, 1,2,3,...	14.342	46.1	ug/l	1089310	4	13.434	1180280	50.0
Benzene, 2-ethe...	14.568	34.1	ug/l	805071	4	13.434	1180280	50.0
3-Phenylbut-1-ene	14.690	63.1	ug/l	1489350	4	13.434	1180280	50.0