

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
 Data File : VY012031.D
 Acq On : 29 Dec 2022 16:25
 Operator : KP/MD
 Sample : N6230-01
 Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-1

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\82Y122022S.M
 Title : SW846 8260

Signal : TIC: VY012031.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.716	464	475	491	rVB2	15323	49798	2.02%	0.206%
2	7.716	958	967	973	rBV	141187	339485	13.79%	1.402%
3	7.789	973	979	988	rVB	231877	527892	21.45%	2.180%
4	8.143	1027	1037	1050	rBV	134858	300728	12.22%	1.242%
5	8.691	1117	1127	1139	rBV	378953	741470	30.13%	3.063%
6	9.185	1194	1208	1213	rBV4	10716	28441	1.16%	0.117%
7	9.758	1297	1302	1307	rVB3	15089	30495	1.24%	0.126%
8	9.959	1325	1335	1346	rBV2	18924	44988	1.83%	0.186%
9	10.179	1364	1371	1378	rBV	611031	1048337	42.60%	4.330%
10	10.374	1394	1403	1408	rVB2	23786	48611	1.98%	0.201%
11	10.606	1435	1441	1451	rVB4	16752	47039	1.91%	0.194%
12	10.904	1478	1490	1493	rBV4	12388	33185	1.35%	0.137%
13	10.947	1493	1497	1502	rVB2	16273	30795	1.25%	0.127%
14	11.276	1543	1551	1562	rVB4	42499	106274	4.32%	0.439%
15	11.380	1562	1568	1577	rBV	38496	67095	2.73%	0.277%
16	11.490	1579	1586	1593	rVV	593861	956961	38.88%	3.953%
17	11.593	1596	1603	1611	rVV	269396	431435	17.53%	1.782%
18	11.703	1612	1621	1631	rVB	774606	1479074	60.10%	6.109%
19	12.026	1664	1674	1683	rBV	246309	423375	17.20%	1.749%
20	12.331	1719	1724	1729	rBV	71697	111076	4.51%	0.459%
21	12.483	1743	1749	1754	rBV	461732	685949	27.87%	2.833%
22	12.672	1774	1780	1785	rBV	178145	265296	10.78%	1.096%
23	12.733	1785	1790	1793	rVV	899766	1357456	55.16%	5.607%
24	12.770	1793	1796	1799	rVV	448232	647852	26.32%	2.676%
25	12.813	1799	1803	1810	rVB	677554	999637	40.62%	4.129%
26	12.971	1822	1829	1837	rBV	432732	664339	26.99%	2.744%
27	13.117	1847	1853	1859	rBV	1659891	2461091	100.00%	10.165%
28	13.245	1867	1874	1879	rBV2	36333	97341	3.96%	0.402%
29	13.312	1881	1885	1890	rVB	71055	104804	4.26%	0.433%
30	13.367	1890	1894	1897	rBV2	31102	43379	1.76%	0.179%
31	13.428	1897	1904	1906	rBV	574918	926201	37.63%	3.826%
32	13.453	1906	1908	1914	rVB	456833	640462	26.02%	2.645%
33	13.593	1925	1931	1932	rBV	187988	237792	9.66%	0.982%
34	13.623	1932	1936	1939	rVV2	637518	987387	40.12%	4.078%
35	13.666	1939	1943	1953	rVV2	599753	1096827	44.57%	4.530%
36	13.751	1953	1957	1962	rVB2	51605	75867	3.08%	0.313%

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Peak Location: TOP

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

Peak separation: 5

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37	13.825	1962	1969	1974	rBV	140112	206273	8.38%	0.852%
38	13.886	1974	1979	1981	rBV	293130	415910	16.90%	1.718%
39	13.916	1981	1984	1988	rVV	272122	383071	15.57%	1.582%
40	13.971	1988	1993	1999	rVB	566084	787294	31.99%	3.252%
41	14.032	1999	2003	2006	rBV	45721	65207	2.65%	0.269%
42	14.081	2006	2011	2016	rVB	223820	341164	13.86%	1.409%
43	14.160	2016	2024	2028	rBV4	48438	88890	3.61%	0.367%
44	14.215	2028	2033	2038	rBV	112832	163663	6.65%	0.676%
45	14.294	2038	2046	2049	rBV	289556	435605	17.70%	1.799%
46	14.337	2049	2053	2057	rVV	394897	551614	22.41%	2.278%
47	14.379	2057	2060	2064	rVV	111722	145327	5.90%	0.600%
48	14.422	2064	2067	2070	rVB	50157	61069	2.48%	0.252%
49	14.520	2079	2083	2086	rBV	54325	70277	2.86%	0.290%
50	14.562	2086	2090	2095	rVV	204998	329167	13.37%	1.360%
51	14.611	2095	2098	2102	rVB	84908	117132	4.76%	0.484%
52	14.684	2102	2110	2115	rBV3	330946	717912	29.17%	2.965%
53	14.739	2115	2119	2125	rVB	64871	105937	4.30%	0.438%
54	14.830	2130	2134	2139	rVB	69777	98330	4.00%	0.406%
55	14.946	2147	2153	2165	rVB2	104790	257248	10.45%	1.063%
56	15.050	2165	2170	2177	rVB2	70111	146212	5.94%	0.604%
57	15.233	2190	2200	2206	rBV	79843	154815	6.29%	0.639%
58	15.343	2214	2218	2223	rVV2	30208	58939	2.39%	0.243%
59	15.391	2223	2226	2230	rVV2	17200	29880	1.21%	0.123%
60	15.525	2242	2248	2255	rBV	34084	64473	2.62%	0.266%
61	15.690	2265	2275	2279	rBV4	18022	50708	2.06%	0.209%
62	15.812	2290	2295	2302	rBV	12780	24992	1.02%	0.103%
63	15.885	2302	2307	2319	rVB3	14652	37693	1.53%	0.156%
64	16.288	2367	2373	2381	rBV	50444	100349	4.08%	0.414%
65	16.489	2397	2406	2417	rVB	30065	63366	2.57%	0.262%

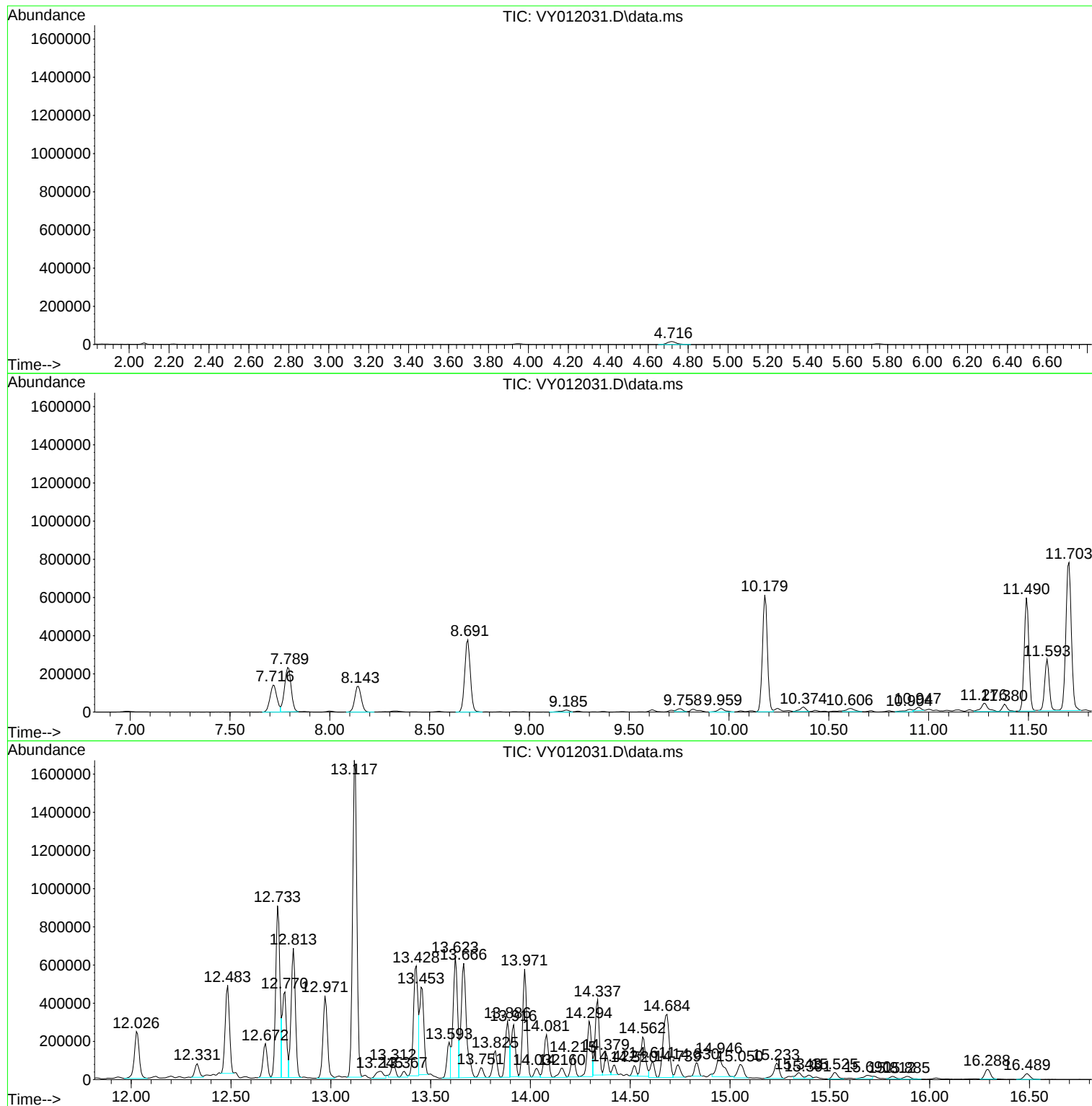
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MSVOA_Y
ClientSampleId :
C-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260

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



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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C-1

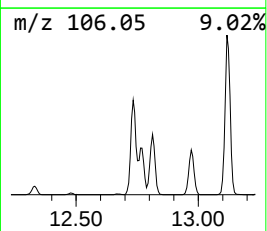
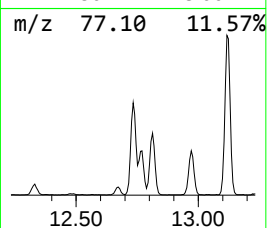
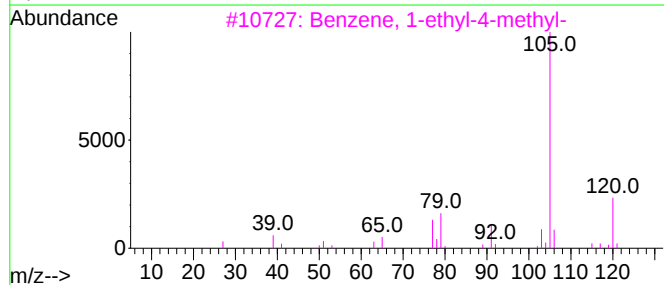
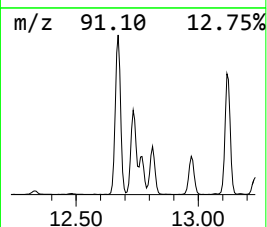
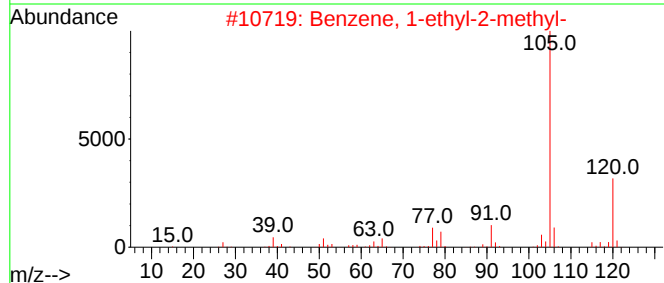
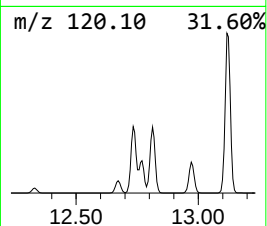
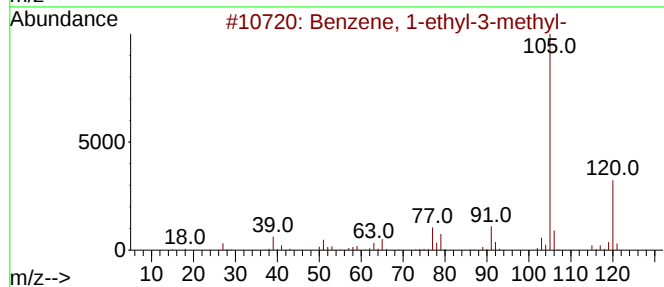
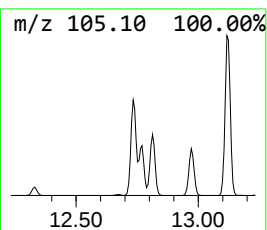
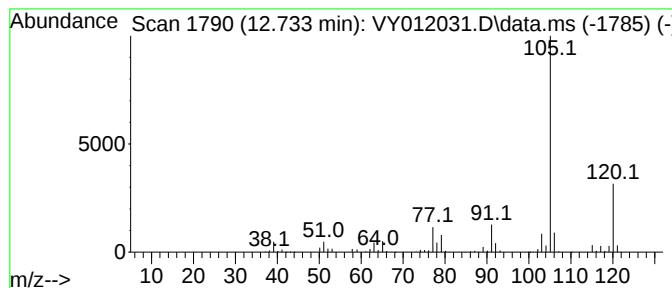
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	73.28 ug/l	1357460	1,4-Dichlorobenzene-d4	13.428

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-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4			Mesitylene	120	C9H12	000108-67-8	91
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



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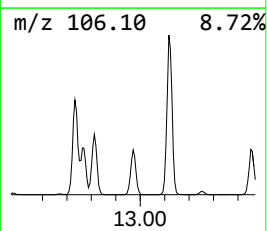
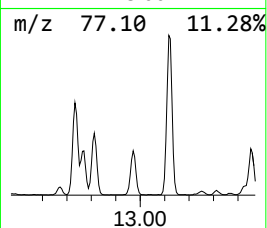
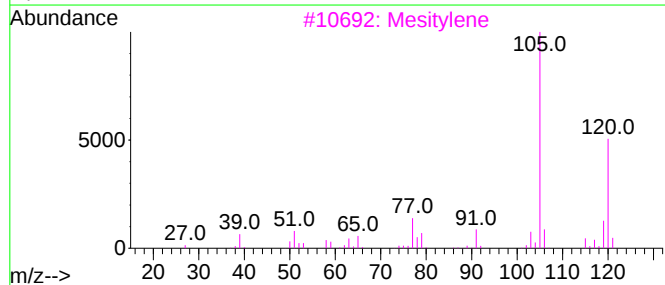
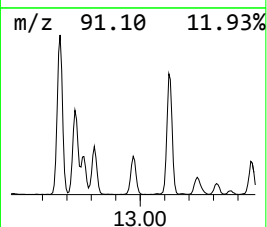
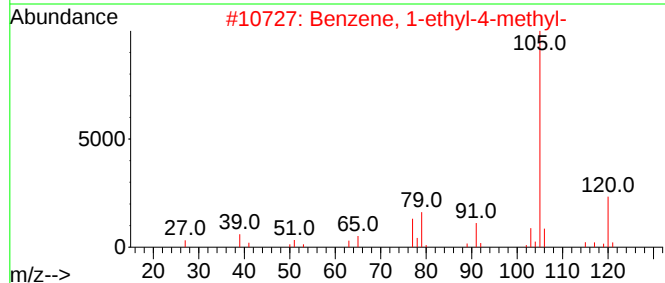
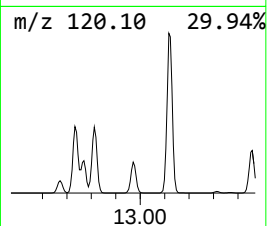
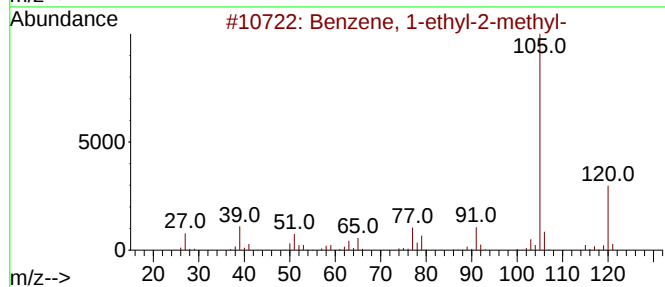
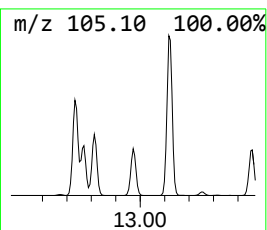
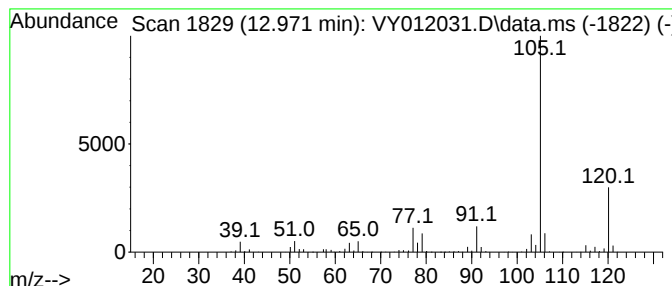
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	35.86 ug/l	664339	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	95
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
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Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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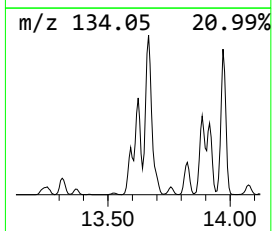
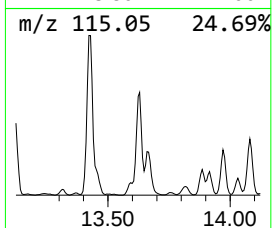
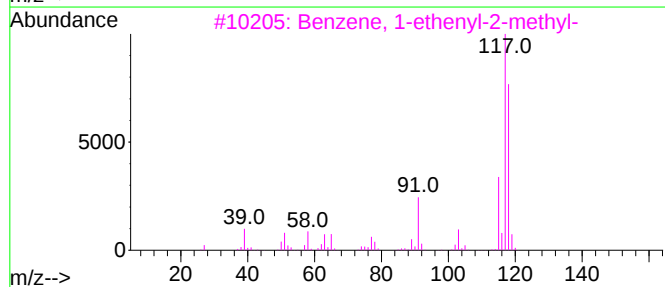
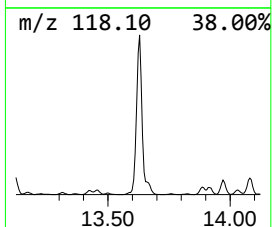
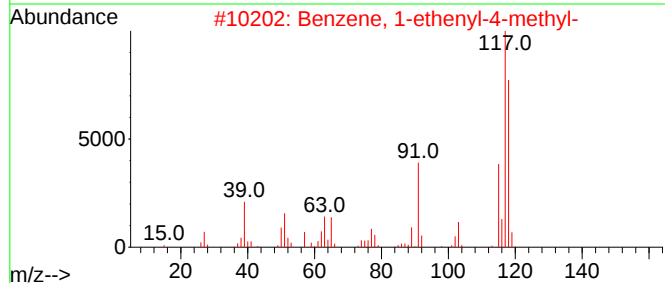
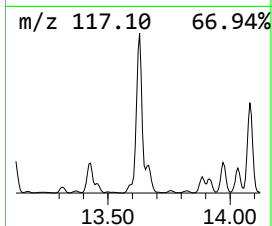
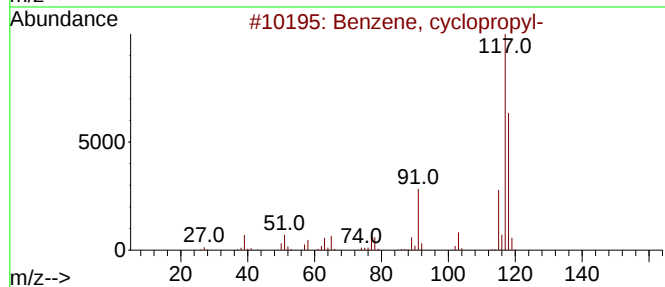
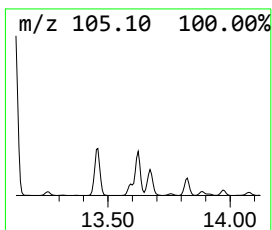
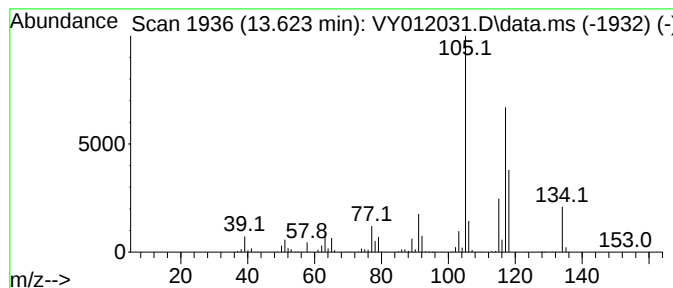
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260

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

Peak Number 3 Benzene, cyclopropyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.623	53.30 ug/l	987387	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, cyclopropyl-	118	C9H10	000873-49-4	55
2			Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	49
3			Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	46
4			Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	46
5			Benzene, 2-propenyl-	118	C9H10	000300-57-2	45



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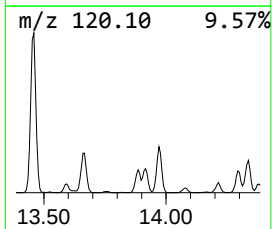
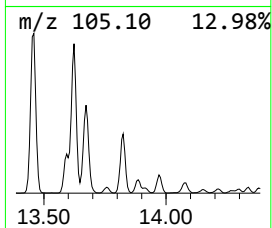
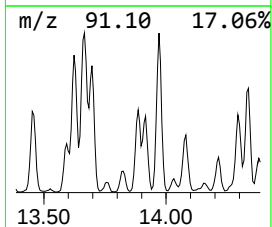
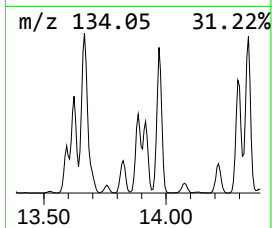
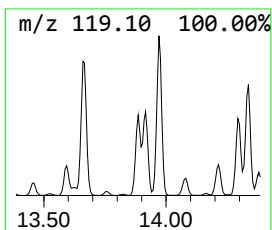
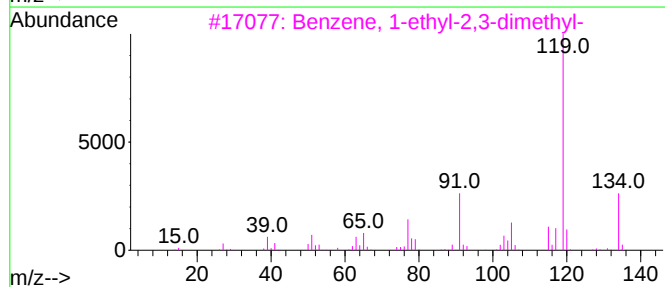
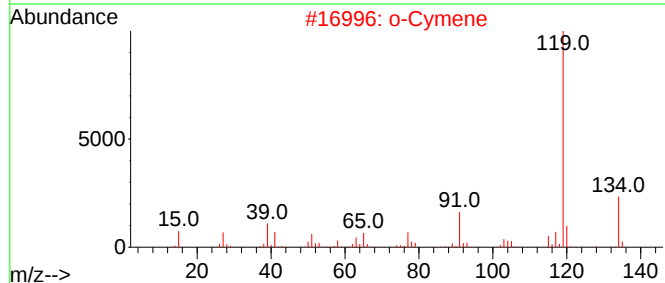
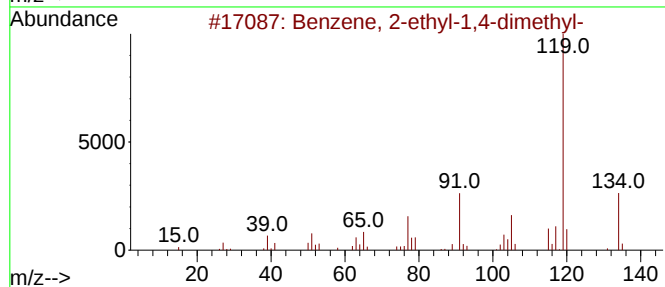
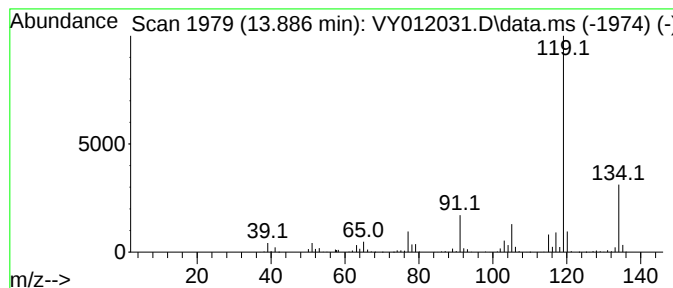
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	22.45 ug/l	415910	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2			o-Cymene	134	C10H14	000527-84-4	95
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5			p-Cymene	134	C10H14	000099-87-6	94



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Operator : KP/MD
Sample : N6230-01
Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C-1

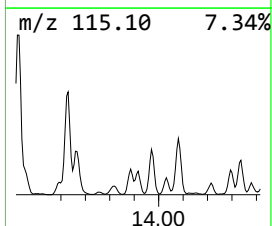
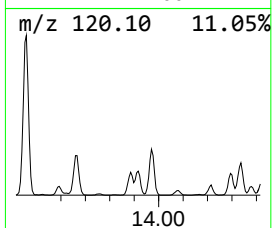
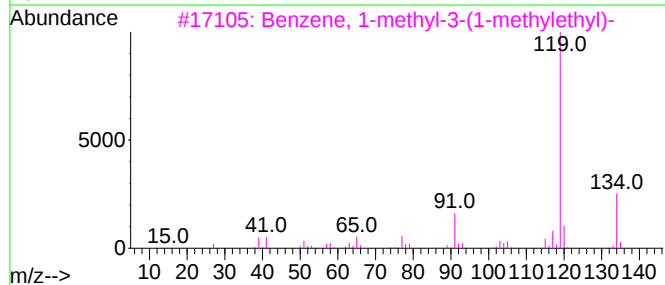
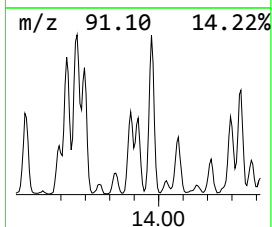
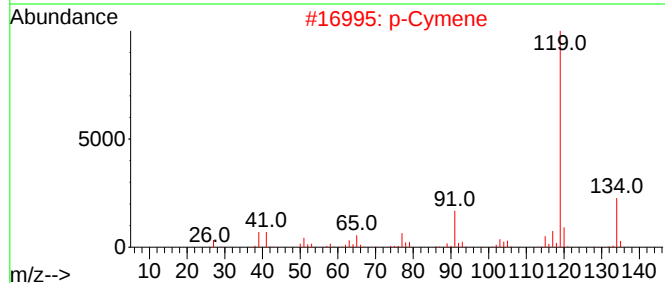
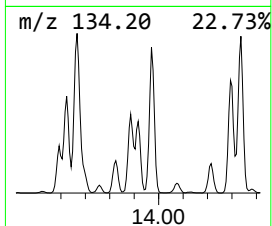
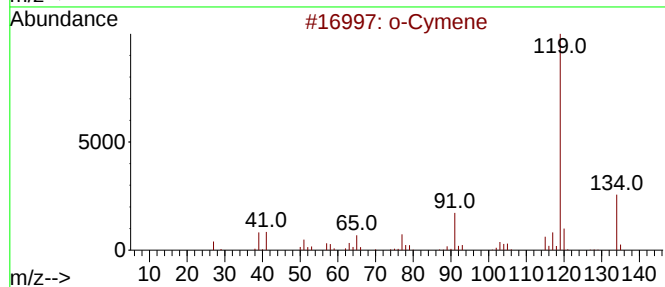
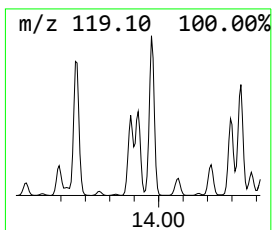
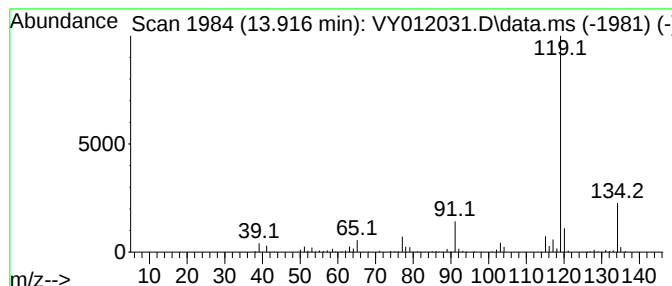
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Quant Title : SW846 8260

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

Peak Number 5 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	20.68 ug/l	383071	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	97
2			p-Cymene	134	C10H14	000099-87-6	95
3			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	94
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\VY122922\
Data File : VY012031.D
Acq On : 29 Dec 2022 16:25
Operator : KP/MD
Sample : N6230-01
Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C-1

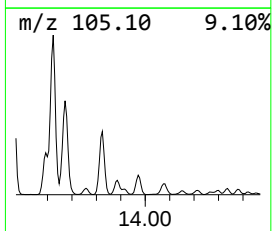
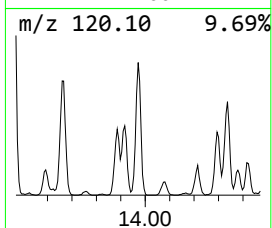
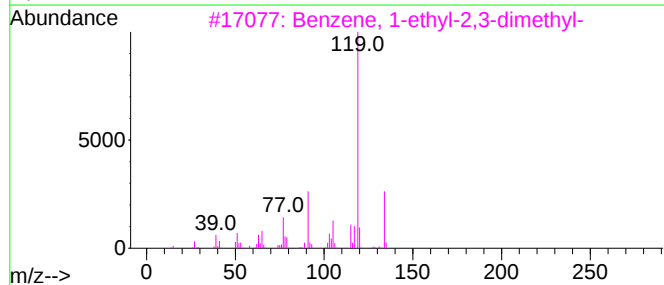
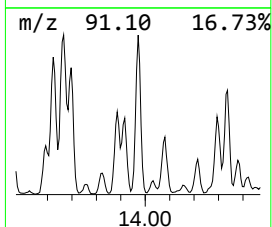
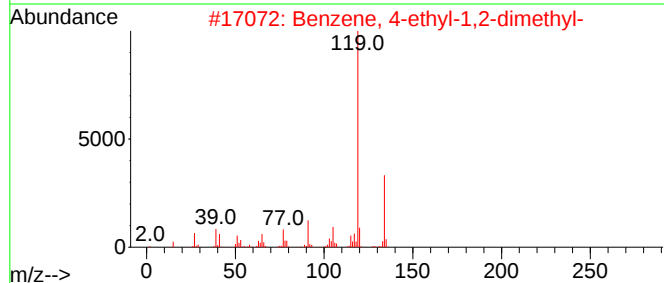
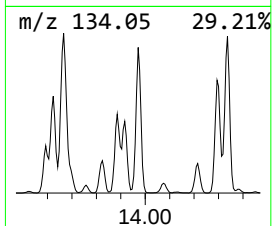
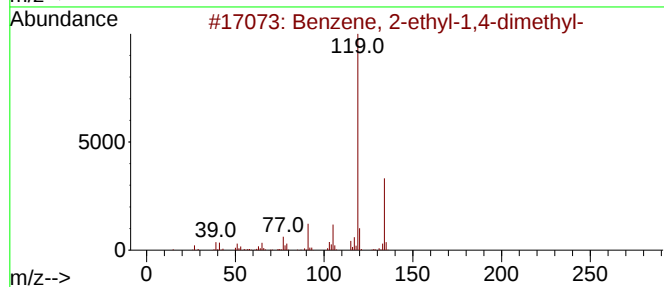
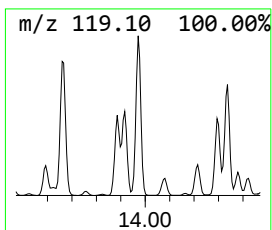
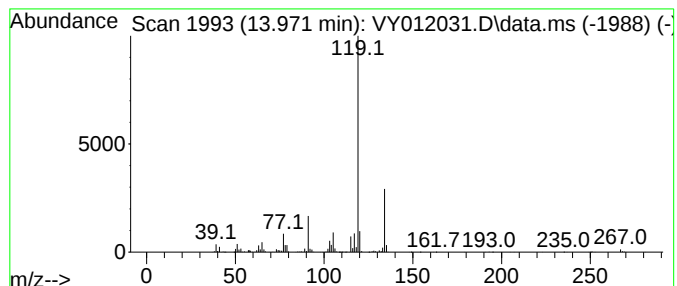
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Quant Title : SW846 8260

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.
13.971	42.50 ug/l	787294	1,4-Dichlorobenzene-d4	13.428

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, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
Data File : VY012031.D
Acq On : 29 Dec 2022 16:25
Operator : KP/MD
Sample : N6230-01
Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C-1

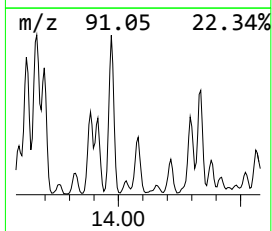
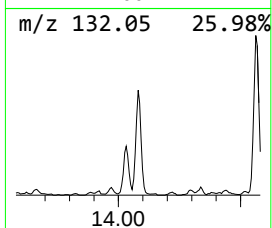
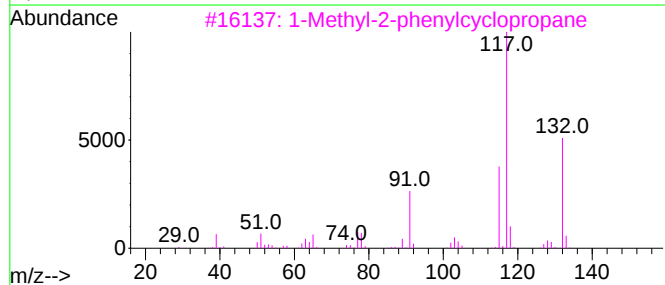
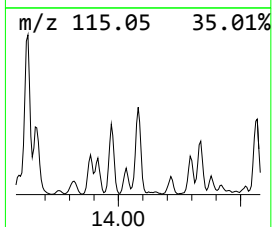
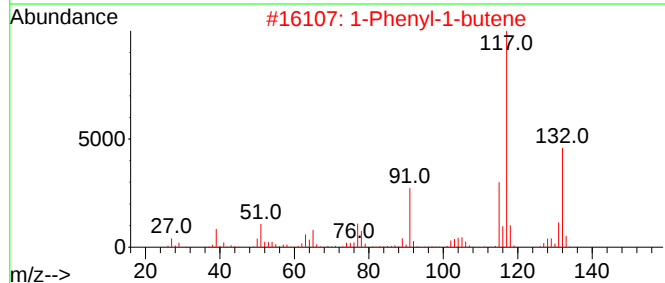
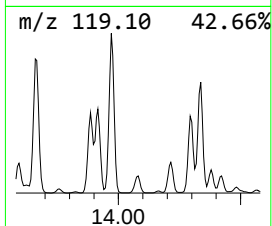
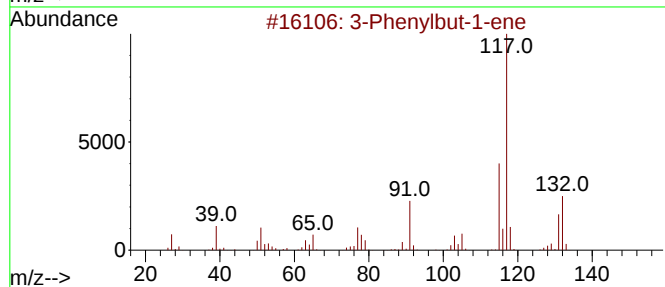
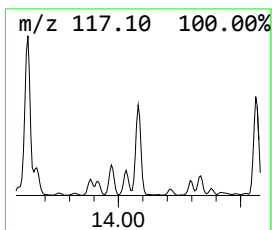
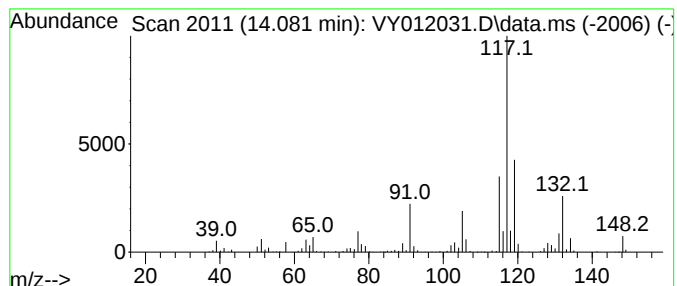
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Quant Title : SW846 8260

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

Peak Number 7 3-Phenylbut-1-ene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.081	18.42 ug/l	341164	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2			1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	64
4			Indan, 1-methyl-	132	C10H12	000767-58-8	64
5			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
Data File : VY012031.D
Acq On : 29 Dec 2022 16:25
Operator : KP/MD
Sample : N6230-01
Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C-1

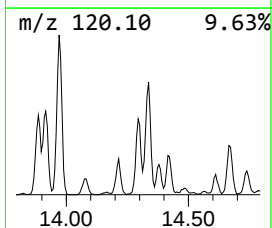
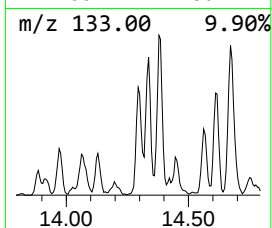
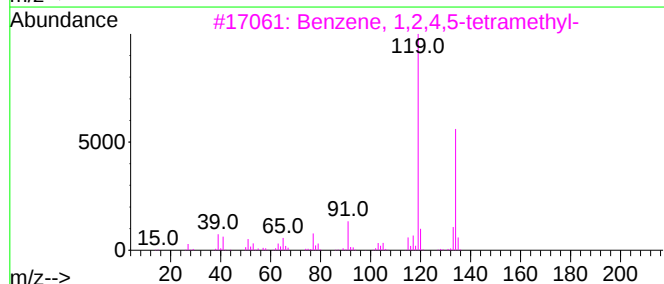
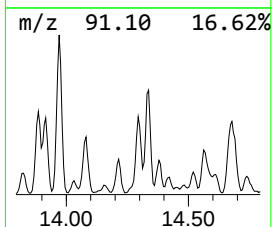
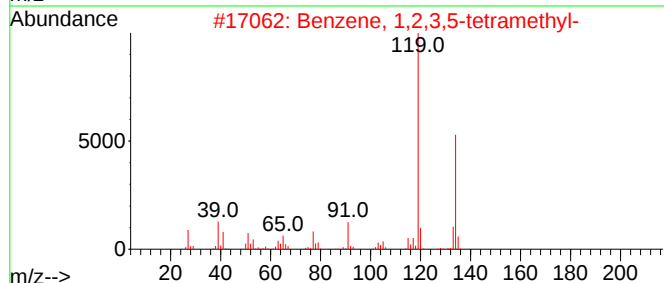
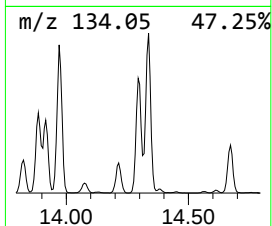
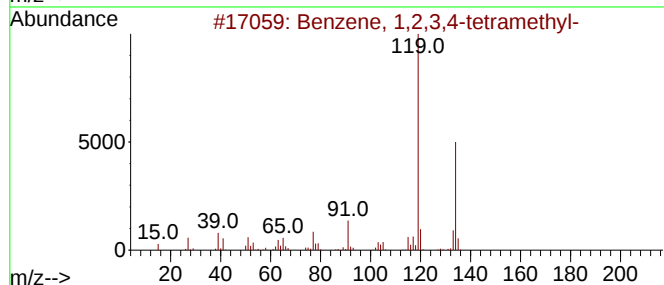
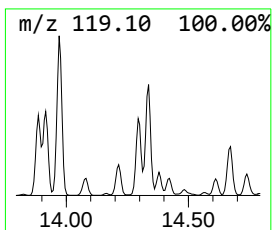
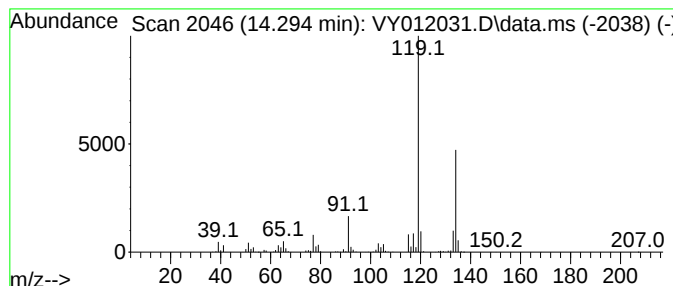
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.294	23.52 ug/l	435605	1,4-Dichlorobenzene-d4	13.428

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4			o-Cymene	134	C10H14	000527-84-4	95
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
Data File : VY012031.D
Acq On : 29 Dec 2022 16:25
Operator : KP/MD
Sample : N6230-01
Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C-1

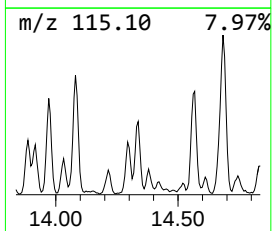
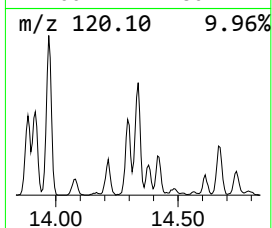
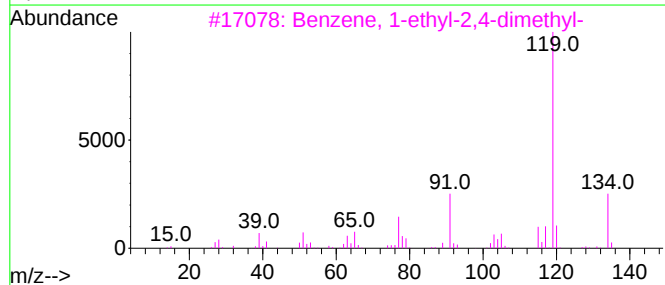
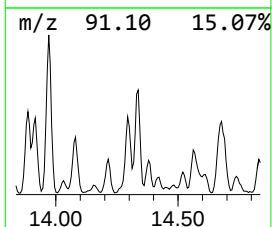
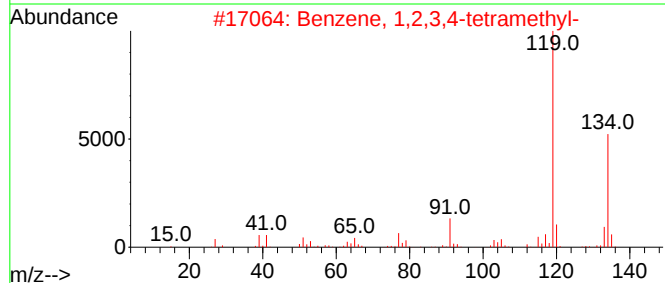
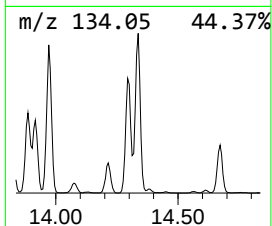
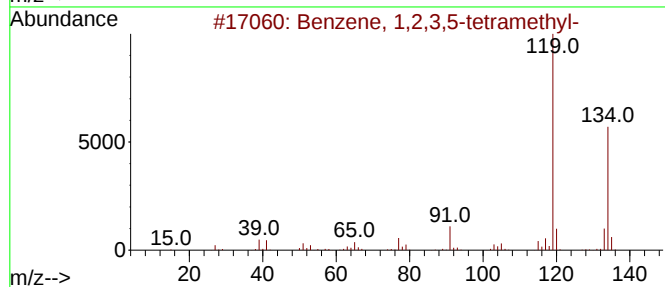
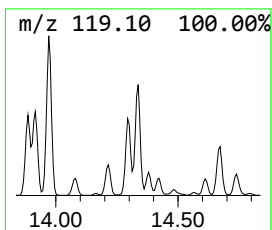
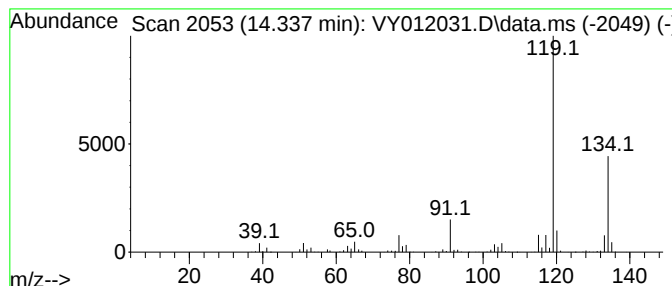
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.337	29.78 ug/l	551614	1,4-Dichlorobenzene-d4	13.428

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-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
Data File : VY012031.D
Acq On : 29 Dec 2022 16:25
Operator : KP/MD
Sample : N6230-01
Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C-1

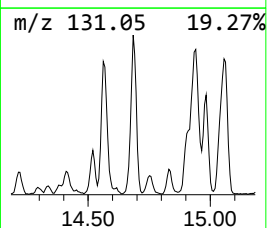
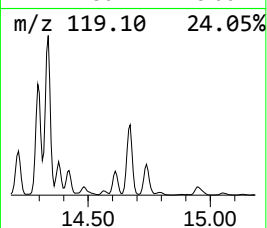
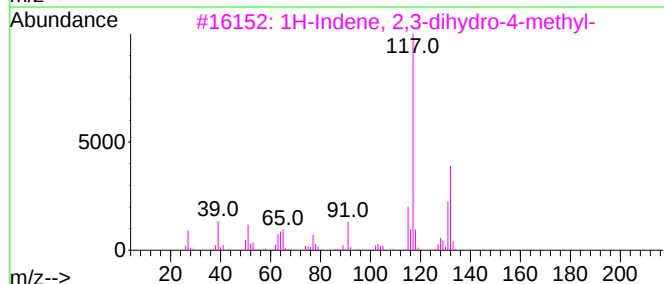
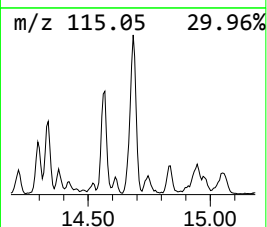
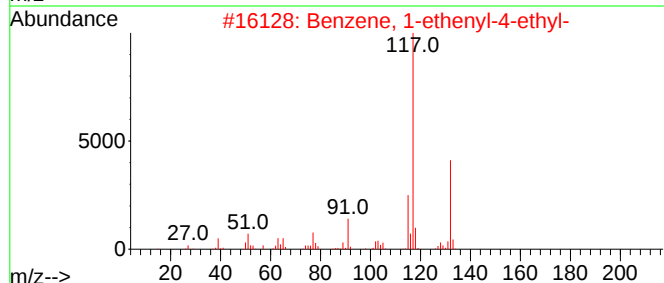
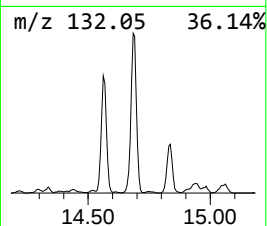
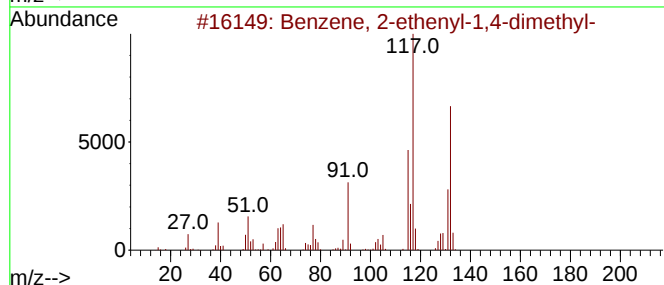
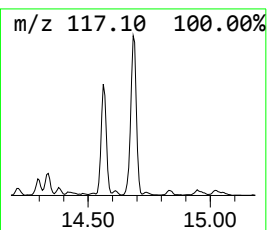
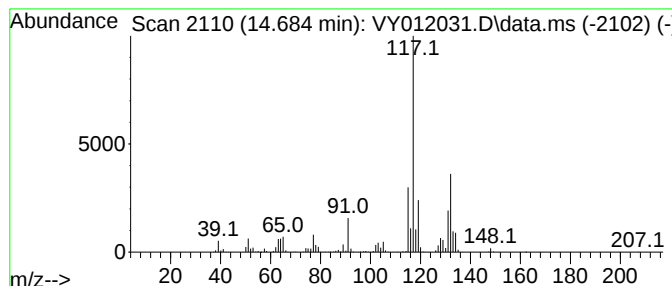
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	38.76 ug/l	717912	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	93
2			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5			3-Phenylbut-1-ene	132	C10H12	000934-10-1	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
Data File : VY012031.D
Acq On : 29 Dec 2022 16:25
Operator : KP/MD
Sample : N6230-01
Misc : 3.95g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
C-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.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...	12.971	35.9	ug/l	664339	4	13.428	926201	50.0
Benzene, cyclop...	13.623	53.3	ug/l	987387	4	13.428	926201	50.0
Benzene, 2-ethy...	13.886	22.4	ug/l	415910	4	13.428	926201	50.0
o-Cymene	13.916	20.7	ug/l	383071	4	13.428	926201	50.0
Benzene, 4-ethy...	13.971	42.5	ug/l	787294	4	13.428	926201	50.0
3-Phenylbut-1-ene	14.081	18.4	ug/l	341164	4	13.428	926201	50.0
Benzene, 1,2,3,...	14.294	23.5	ug/l	435605	4	13.428	926201	50.0
Benzene, 1,2,3,...	14.337	29.8	ug/l	551614	4	13.428	926201	50.0
Benzene, 2-ethe...	14.684	38.8	ug/l	717912	4	13.428	926201	50.0