

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
 Data File : VY018158.D
 Acq On : 06 May 2024 12:59
 Operator : SY/MD
 Sample : P2354-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 V359

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\82Y050124S.M

Title : SW846 8260

Signal : TIC: VY018158.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.857	3	6	15	rVB3	9564	14913	1.22%	0.119%
2	3.942	339	348	355	rBV	12442	32877	2.68%	0.262%
3	4.186	379	388	395	rBV	17826	47626	3.89%	0.379%
4	4.710	467	474	483	rVB4	6495	19110	1.56%	0.152%
5	5.741	632	643	655	rVB3	7224	23999	1.96%	0.191%
6	6.978	836	846	859	rBV3	14518	53021	4.33%	0.422%
7	7.716	954	967	972	rBV	169556	408578	33.35%	3.252%
8	7.783	972	978	988	rVB	286683	642691	52.46%	5.115%
9	8.137	1027	1036	1048	rBV	151701	336261	27.45%	2.676%
10	8.685	1118	1126	1136	rBV	464209	908393	74.14%	7.230%
11	9.978	1332	1338	1346	rVB7	5400	12531	1.02%	0.100%
12	10.179	1363	1371	1378	rBV	715897	1225165	100.00%	9.751%
13	10.240	1378	1381	1388	rVB	10241	17958	1.47%	0.143%
14	11.490	1578	1586	1598	rBV	657200	1084235	88.50%	8.630%
15	11.709	1612	1622	1624	rBV6	9900	23720	1.94%	0.189%
16	12.002	1663	1670	1672	rBV6	8500	15516	1.27%	0.123%
17	12.032	1672	1675	1682	rVV7	9294	19249	1.57%	0.153%
18	12.203	1699	1703	1705	rBV5	8189	12577	1.03%	0.100%
19	12.239	1705	1709	1715	rVB5	7090	13496	1.10%	0.107%
20	12.337	1716	1725	1742	rVV	215840	370346	30.23%	2.948%
21	12.483	1742	1749	1757	rBV	477714	778179	63.52%	6.194%
22	12.642	1771	1775	1778	rBV5	9105	14289	1.17%	0.114%
23	12.733	1783	1790	1793	rBV	29836	52137	4.26%	0.415%
24	12.806	1797	1802	1808	rVB2	74850	124709	10.18%	0.993%
25	12.971	1822	1829	1836	rVB	27599	52088	4.25%	0.415%
26	13.117	1847	1853	1859	rVV	113331	178017	14.53%	1.417%
27	13.166	1859	1861	1866	rVB5	8166	13031	1.06%	0.104%
28	13.337	1878	1889	1897	rBV2	201230	370490	30.24%	2.949%
29	13.422	1897	1903	1907	rBV	568060	957216	78.13%	7.619%
30	13.593	1924	1931	1932	rBV2	38148	58444	4.77%	0.465%
31	13.623	1932	1936	1939	rVV	150159	234893	19.17%	1.870%
32	13.660	1939	1942	1952	rVV2	235736	386697	31.56%	3.078%
33	13.751	1952	1957	1961	rVV6	40987	68988	5.63%	0.549%
34	13.818	1964	1968	1972	rVV	66592	104925	8.56%	0.835%
35	13.886	1974	1979	1981	rVV	137233	225828	18.43%	1.797%
36	13.916	1981	1984	1988	rVV	145064	208878	17.05%	1.662%

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Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

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Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
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37	13.971	1988	1993	1998	rVB	298090	435189	35.52%	3.464%
38	14.075	2005	2010	2015	rBV2	74937	115728	9.45%	0.921%
39	14.135	2015	2020	2026	rVB6	17790	38631	3.15%	0.307%
40	14.209	2027	2032	2036	rBV	71942	114255	9.33%	0.909%
41	14.257	2036	2040	2041	rVV3	33638	41470	3.38%	0.330%
42	14.294	2041	2046	2049	rVV	296883	460447	37.58%	3.665%
43	14.331	2049	2052	2057	rVV	445703	640628	52.29%	5.099%
44	14.379	2057	2060	2063	rVV3	35247	48276	3.94%	0.384%
45	14.422	2063	2067	2071	rVB	47258	64040	5.23%	0.510%
46	14.562	2086	2090	2094	rBV	53848	77299	6.31%	0.615%
47	14.611	2094	2098	2102	rVB	42608	58160	4.75%	0.463%
48	14.672	2102	2108	2115	rBV3	250263	501546	40.94%	3.992%
49	14.733	2115	2118	2124	rVB	60019	93832	7.66%	0.747%
50	14.946	2148	2153	2161	rBV	76546	150693	12.30%	1.199%
51	15.050	2165	2170	2178	rBV2	42107	83769	6.84%	0.667%
52	15.141	2178	2185	2190	rVB6	18918	48385	3.95%	0.385%
53	15.233	2193	2200	2205	rBV2	86527	173145	14.13%	1.378%
54	15.434	2230	2233	2240	rVB9	11444	25801	2.11%	0.205%
55	15.538	2245	2250	2256	rVV5	18097	45872	3.74%	0.365%
56	15.605	2258	2261	2266	rVB7	19992	31752	2.59%	0.253%
57	16.153	2347	2351	2356	rVB2	22452	34723	2.83%	0.276%
58	16.288	2369	2373	2379	rVB2	30688	56422	4.61%	0.449%
59	16.477	2398	2404	2411	rBV2	36536	91331	7.45%	0.727%
60	16.598	2420	2424	2429	rBV8	9334	21777	1.78%	0.173%

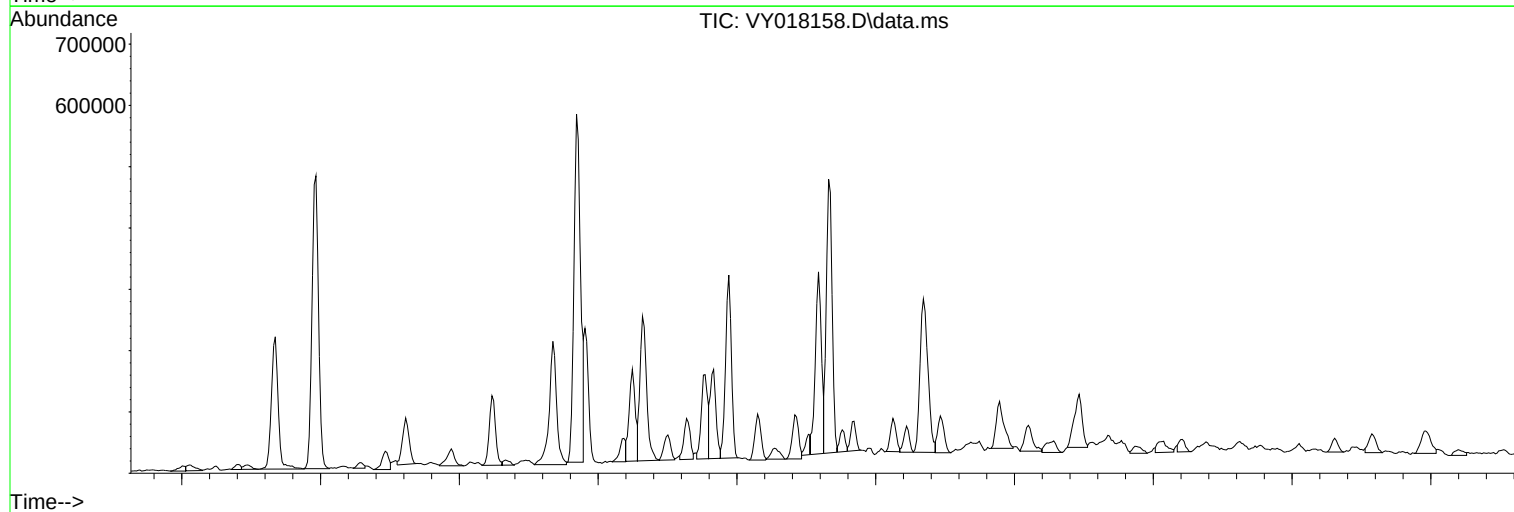
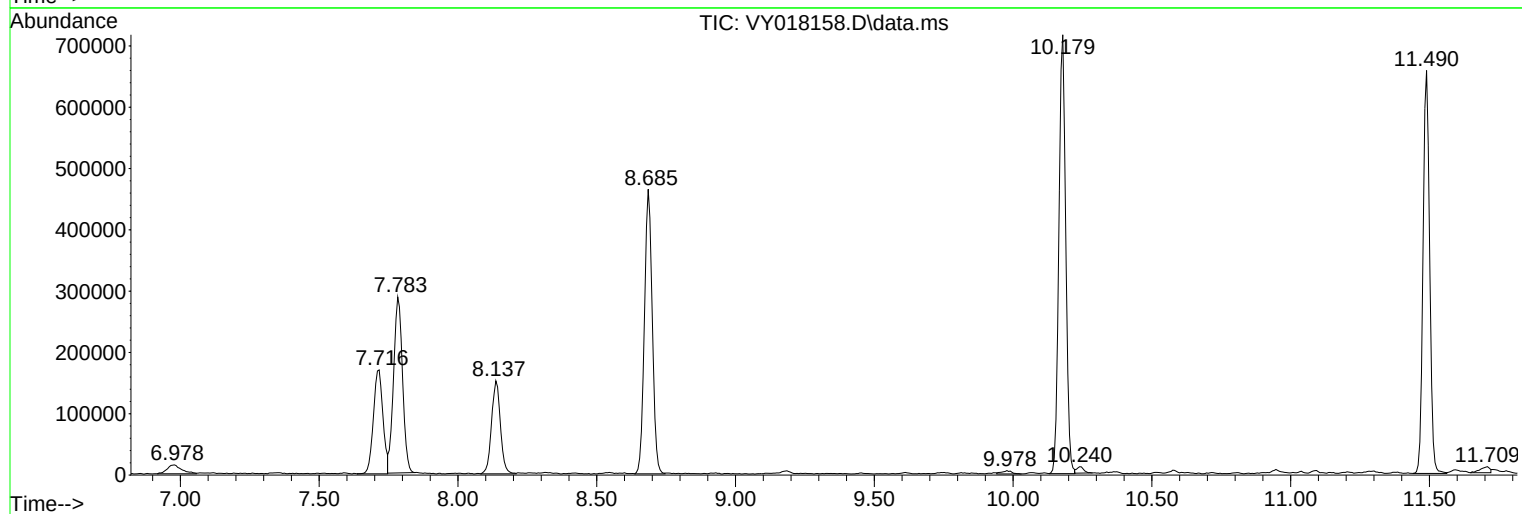
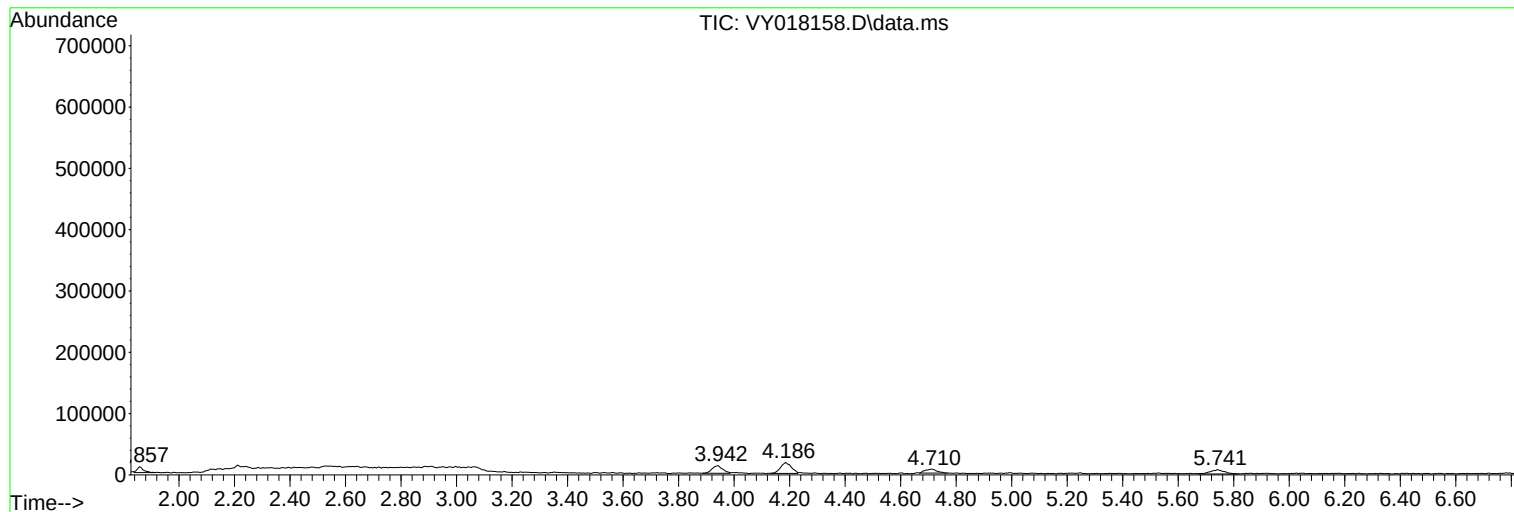
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Instrument :
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ClientSampleId :
V359

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260

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



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Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
V359

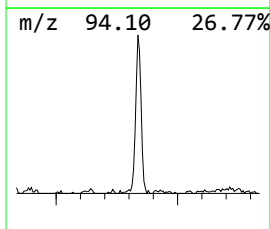
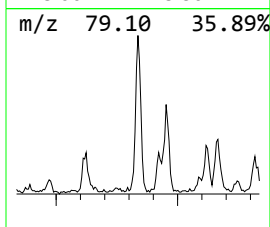
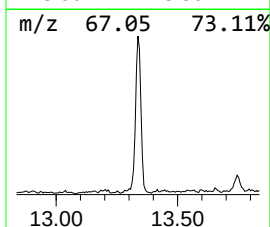
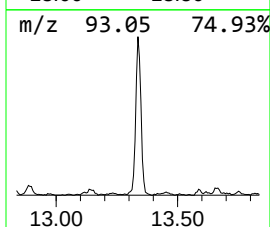
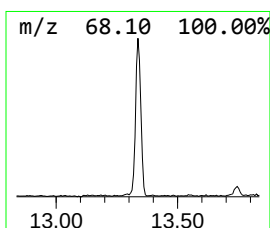
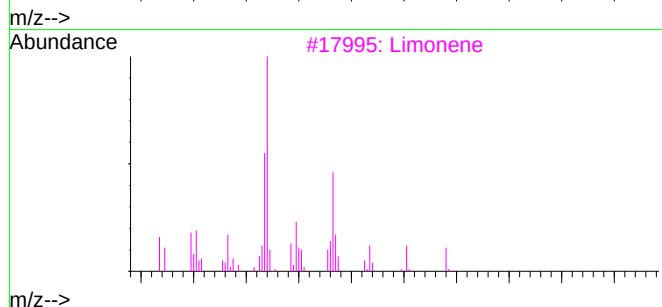
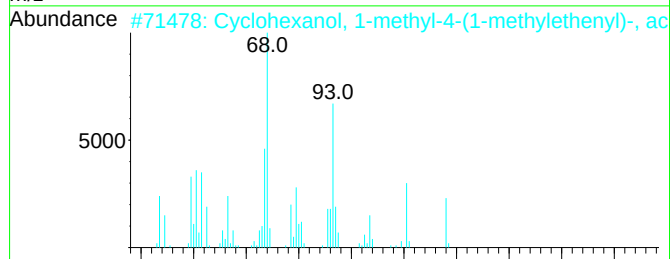
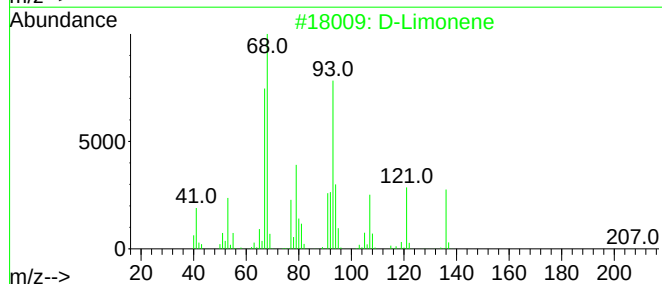
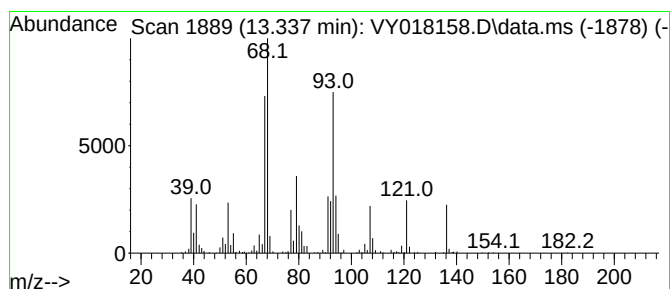
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260

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

Peak Number 1 D-Limonene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.337	19.35 ug/l	370490	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	99
2	Cyclohexanol, 1-methyl-4-(1-meth...	196	C12H20O2	010198-23-9	91
3	Limonene	136	C10H16	000138-86-3	90
4	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	90
5	Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	70



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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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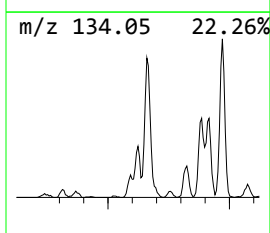
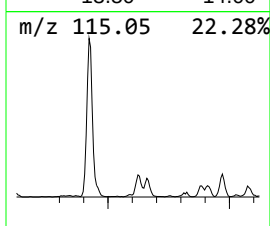
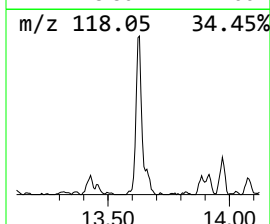
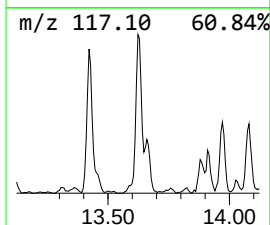
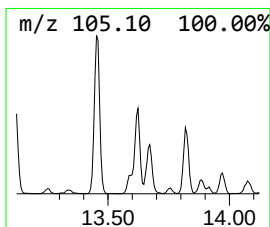
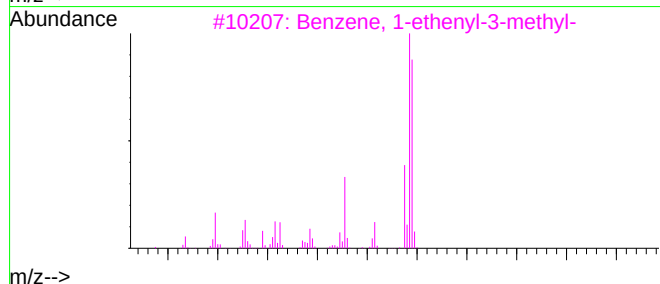
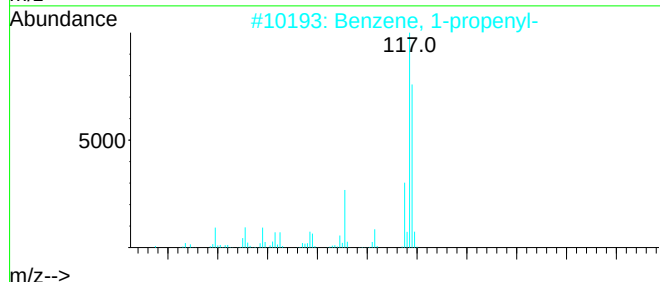
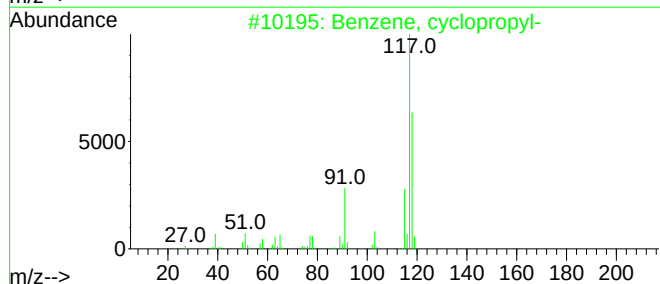
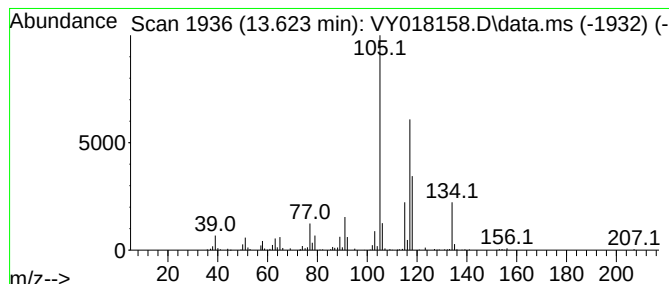
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, cyclopropyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.623	12.27 ug/l	234893	1,4-Dichlorobenzene-d4		13.422	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-		118	C9H10	000873-49-4	50
2	Benzene, 1-propenyl-		118	C9H10	000637-50-3	43
3	Benzene, 1-ethenyl-3-methyl-		118	C9H10	000100-80-1	43
4	Benzene, 1-ethenyl-2-methyl-		118	C9H10	000611-15-4	43
5	Benzene, 2-propenyl-		118	C9H10	000300-57-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
Data File : VY018158.D
Acq On : 06 May 2024 12:59
Operator : SY/MD
Sample : P2354-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
V359

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260

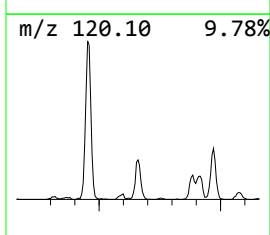
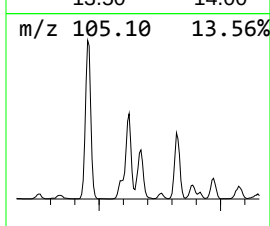
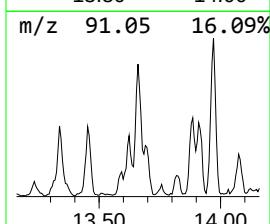
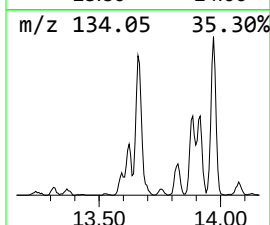
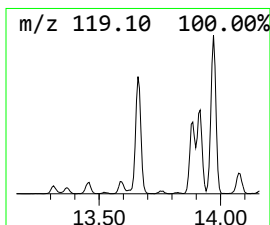
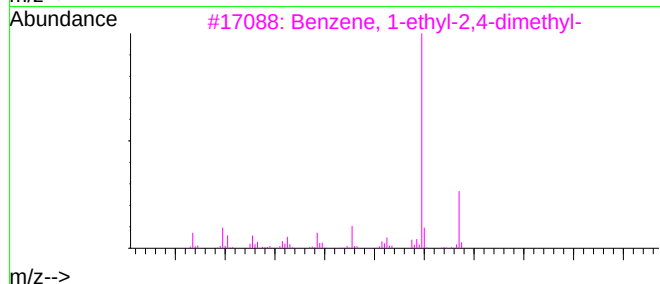
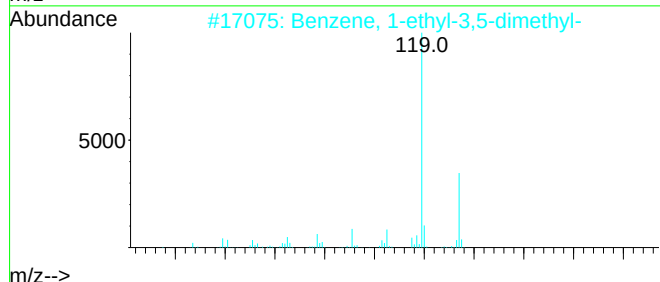
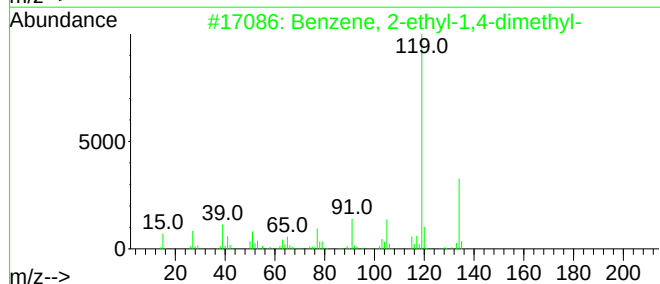
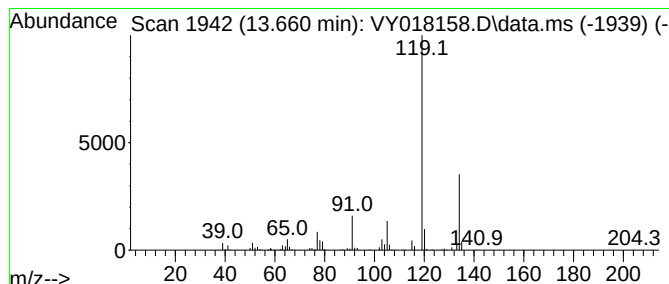
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.660	20.20 ug/l	386697	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



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ALS Vial : 8 Sample Multiplier: 1

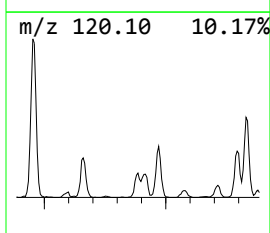
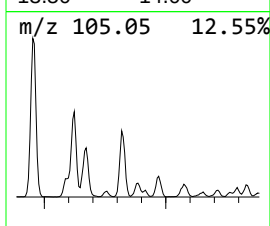
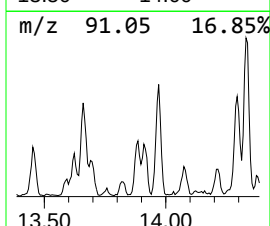
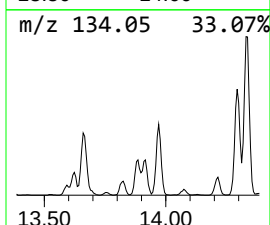
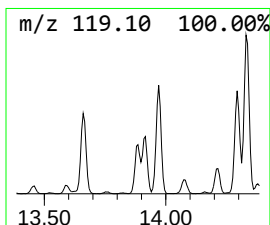
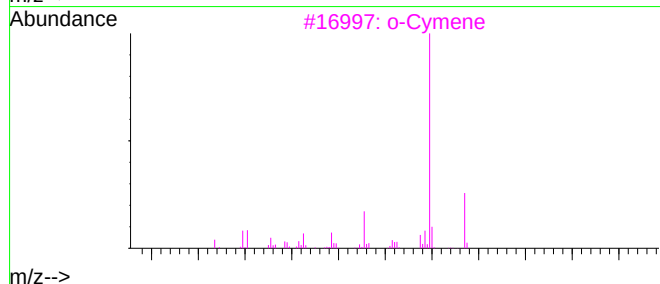
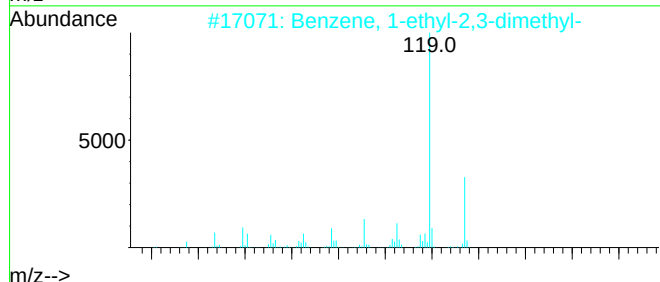
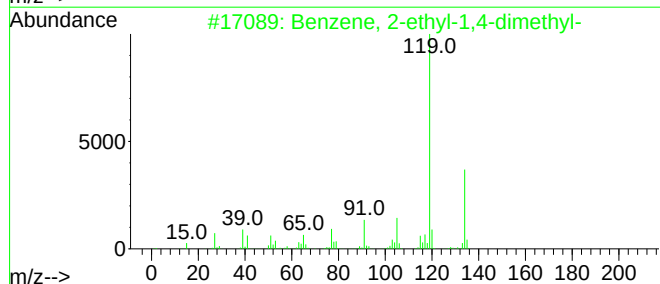
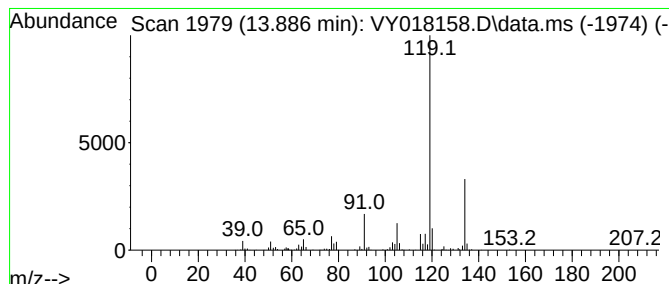
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.886	11.80 ug/l	225828	1,4-Dichlorobenzene-d4	13.422	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260

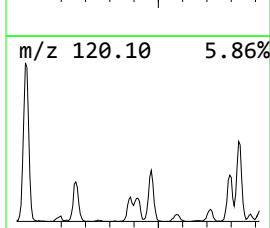
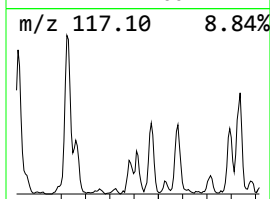
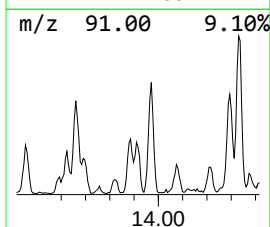
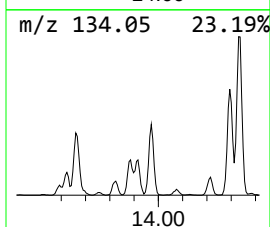
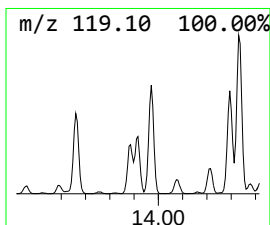
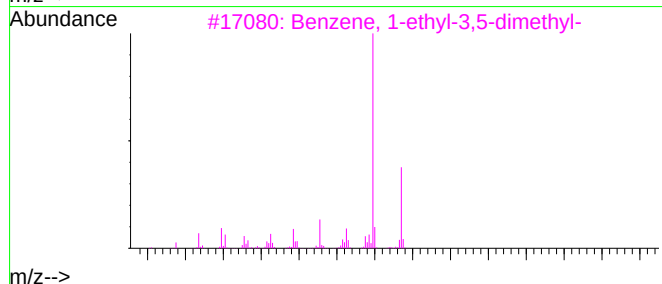
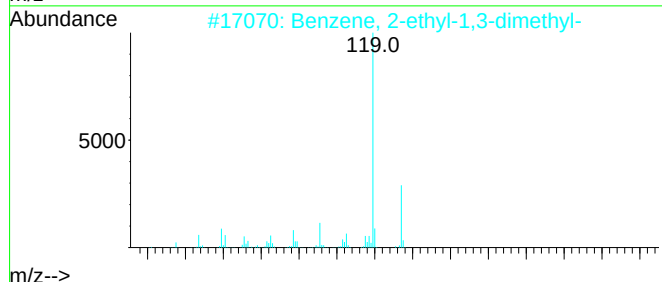
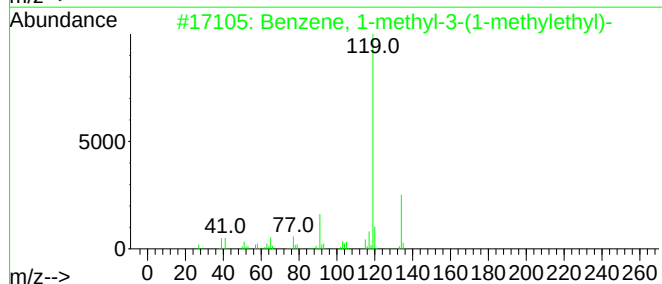
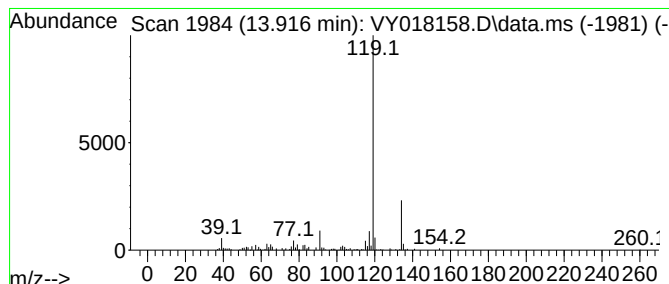
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1-methyl-3-(1-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	10.91 ug/l	208878	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	58
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	52
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	52
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
Data File : VY018158.D
Acq On : 06 May 2024 12:59
Operator : SY/MD
Sample : P2354-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
V359

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260

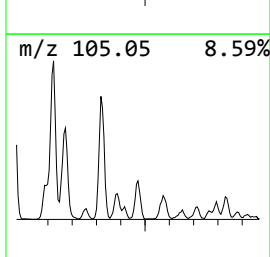
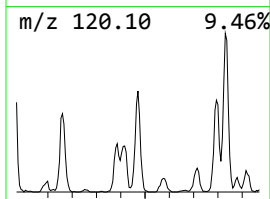
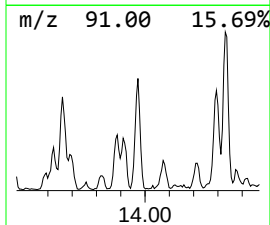
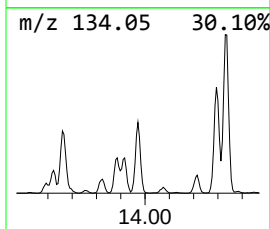
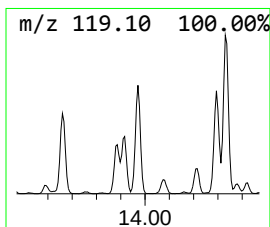
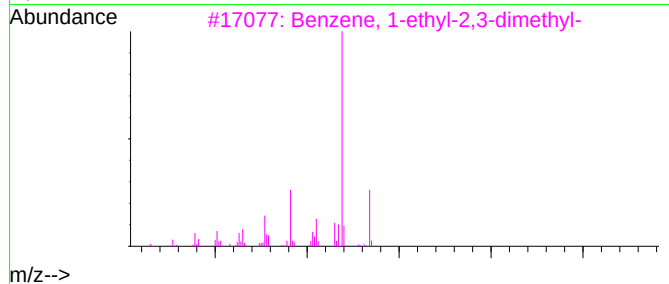
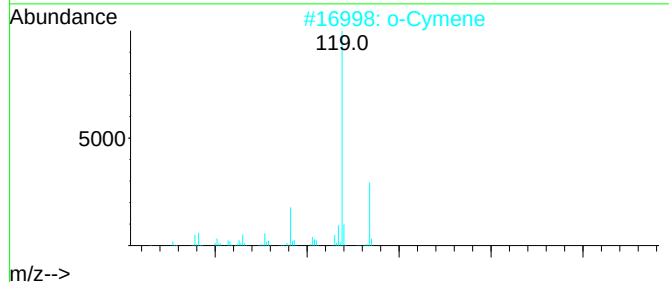
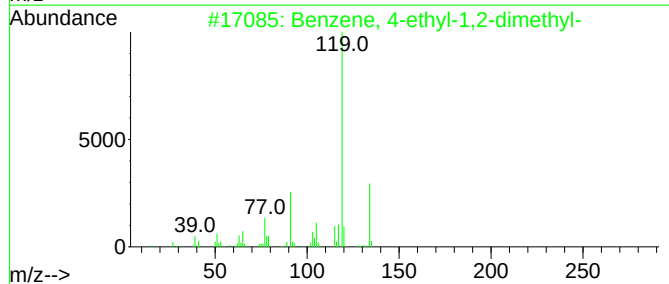
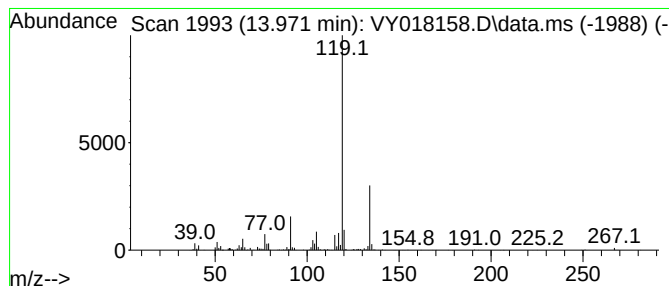
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.971	22.73 ug/l	435189	1,4-Dichlorobenzene-d4	13.422

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
Data File : VY018158.D
Acq On : 06 May 2024 12:59
Operator : SY/MD
Sample : P2354-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
V359

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260

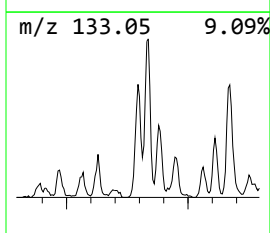
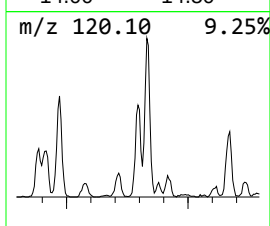
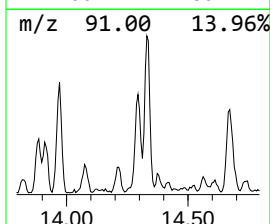
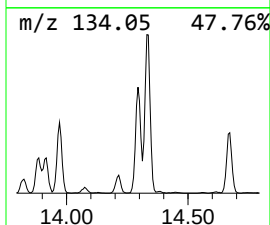
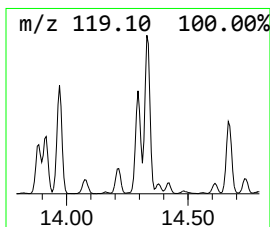
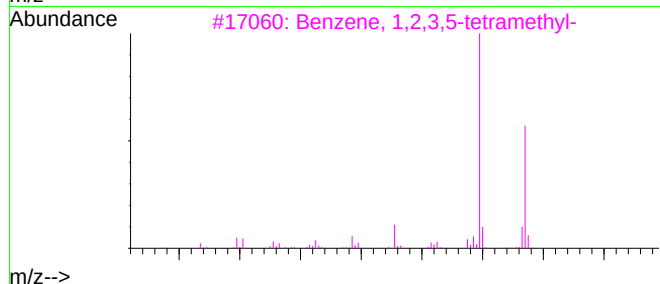
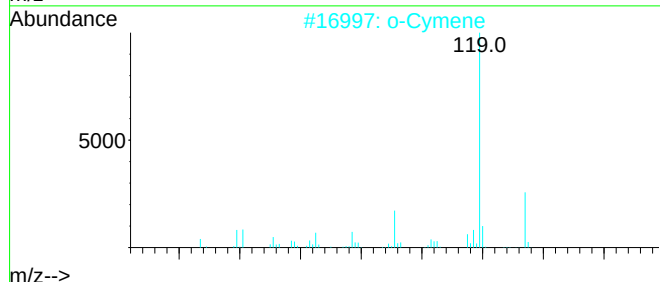
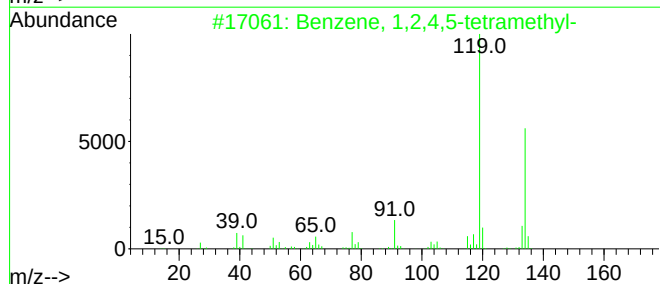
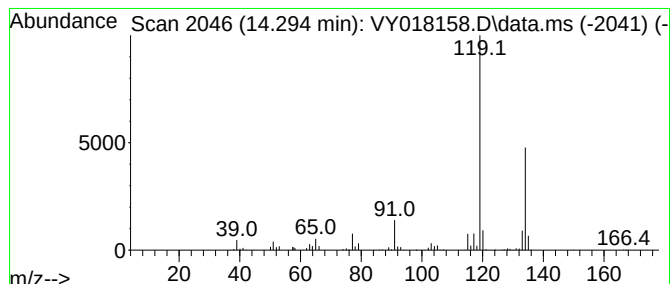
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.294	24.05 ug/l	460447	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	o-Cymene	134	C10H14	000527-84-4	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
Data File : VY018158.D
Acq On : 06 May 2024 12:59
Operator : SY/MD
Sample : P2354-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
V359

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260

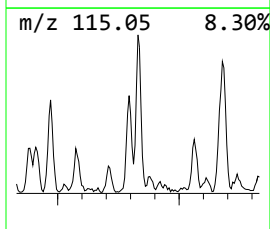
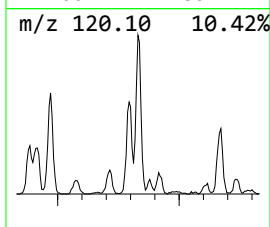
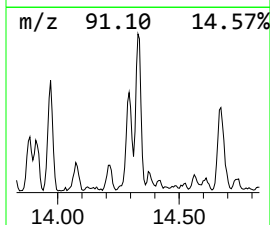
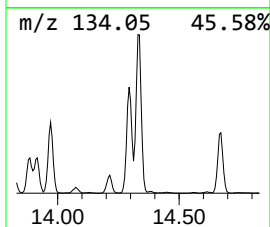
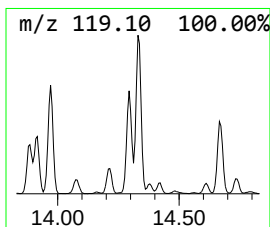
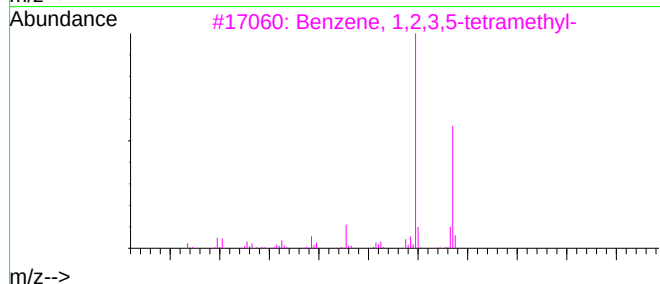
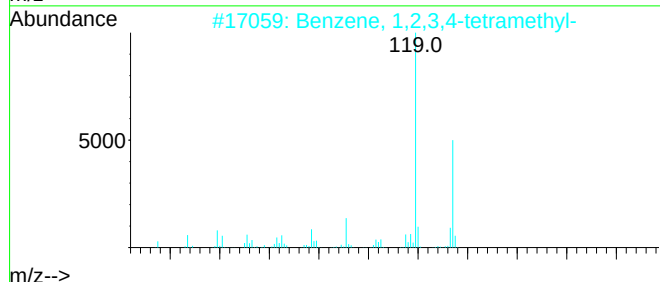
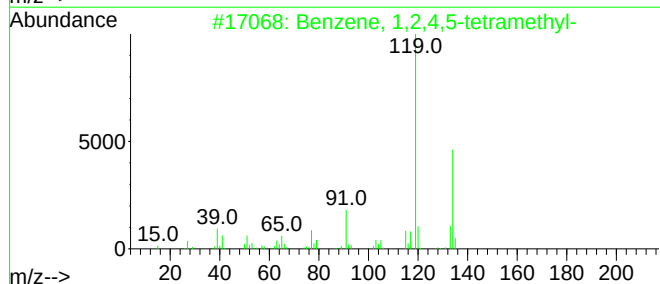
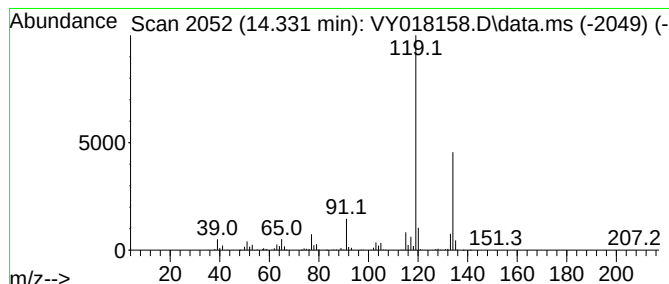
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.331	33.46 ug/l	640628	1,4-Dichlorobenzene-d4	13.422

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	95
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
Data File : VY018158.D
Acq On : 06 May 2024 12:59
Operator : SY/MD
Sample : P2354-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
V359

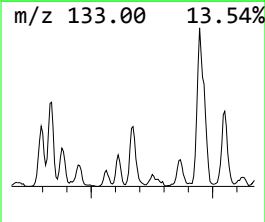
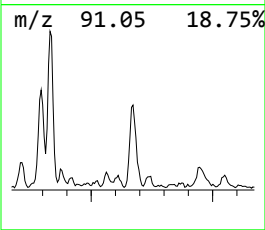
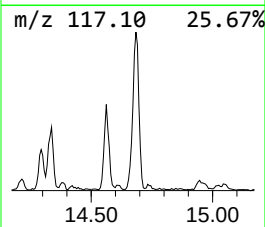
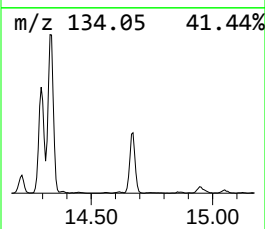
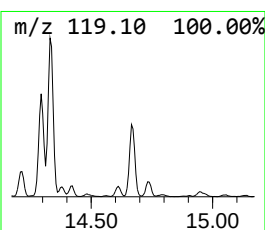
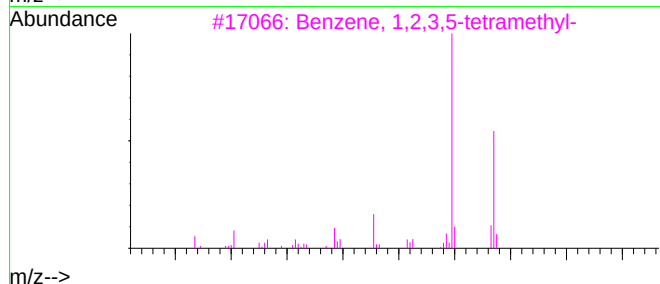
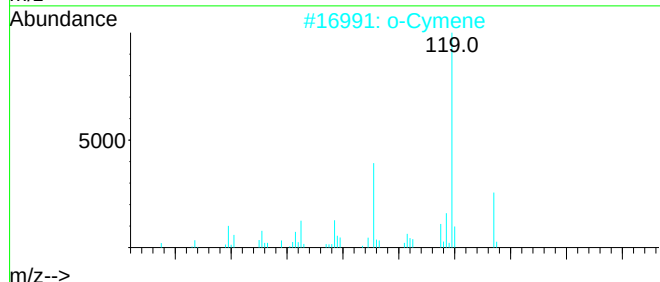
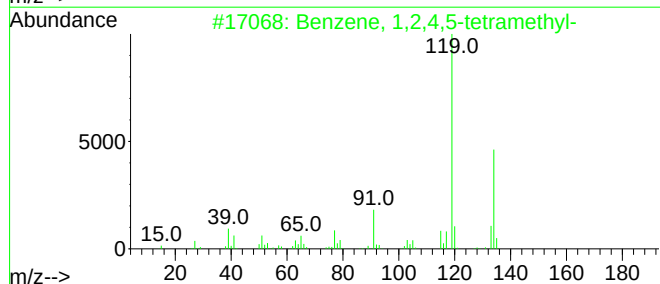
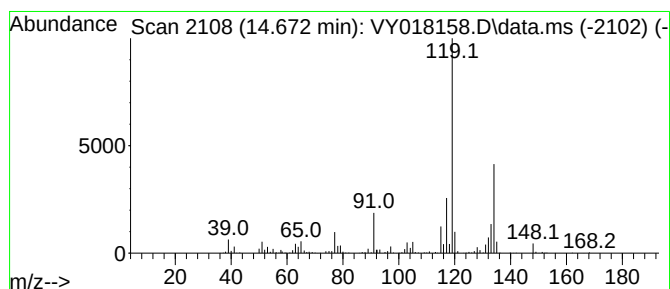
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Quant Title : SW846 8260

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

Peak Number 9 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	26.20 ug/l	501546	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	o-Cymene	134	C10H14	000527-84-4	81
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
Data File : VY018158.D
Acq On : 06 May 2024 12:59
Operator : SY/MD
Sample : P2354-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
V359

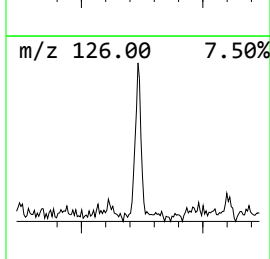
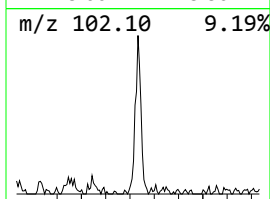
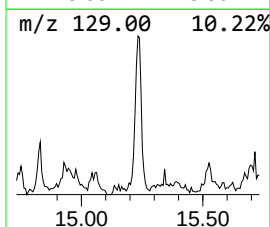
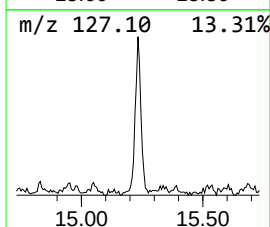
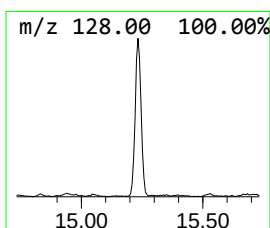
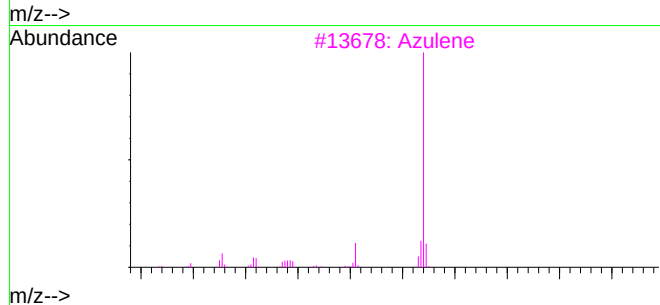
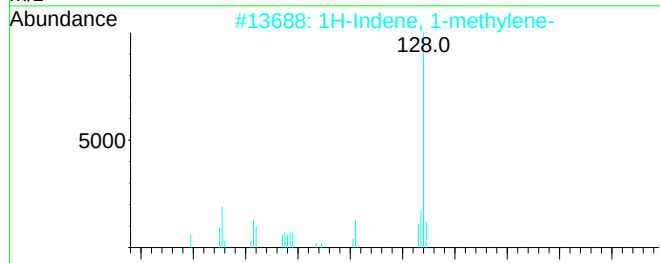
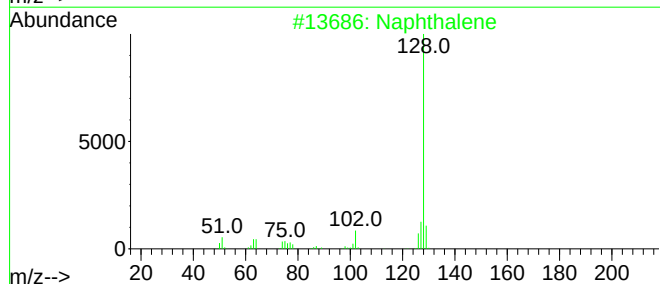
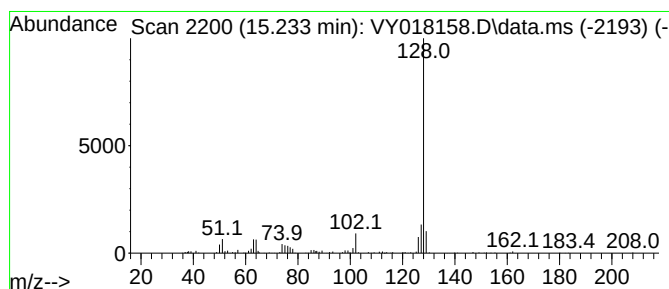
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260

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

Peak Number 10 1H-Indene, 1-methylene- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	9.04 ug/l	173145	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	91
3	Azulene	128	C10H8	000275-51-4	91
4	4a,8a-(Methaniminomethano)naphth...	275	C18H13NO2	069915-10-2	74
5	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050624\
Data File : VY018158.D
Acq On : 06 May 2024 12:59
Operator : SY/MD
Sample : P2354-01
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
V359

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Benzene, cyclop...	13.623	12.3	ug/l	234893	4	13.422	957216	50.0
Benzene, 2-ethy...	13.660	20.2	ug/l	386697	4	13.422	957216	50.0
Benzene, 1-ethy...	13.886	11.8	ug/l	225828	4	13.422	957216	50.0
Benzene, 1-meth...	13.916	10.9	ug/l	208878	4	13.422	957216	50.0
Benzene, 4-ethy...	13.971	22.7	ug/l	435189	4	13.422	957216	50.0
Benzene, 1,2,4,...	14.294	24.1	ug/l	460447	4	13.422	957216	50.0
Benzene, 1,2,3,...	14.331	33.5	ug/l	640628	4	13.422	957216	50.0
o-Cymene	14.672	26.2	ug/l	501546	4	13.422	957216	50.0
1H-Indene, 1-me...	15.233	9.0	ug/l	173145	4	13.422	957216	50.0