

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
 Data File : VY020216.D
 Acq On : 07 Nov 2024 18:51
 Operator : SY/MD
 Sample : P4734-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-11062024

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\82Y103024S.M

Title : SW846 8260

Signal : TIC: VY020216.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.086	51	60	63	rBV8	5014	14443	2.61%	0.188%
2	4.616	465	475	482	rBV2	9602	29782	5.38%	0.388%
3	6.884	839	847	862	rBV2	12665	43612	7.88%	0.569%
4	7.634	961	970	976	rBV	72832	181173	32.75%	2.363%
5	7.713	976	983	992	rVB	122905	285380	51.58%	3.722%
6	8.061	1027	1040	1048	rBV2	77302	185512	33.53%	2.420%
7	8.616	1120	1131	1141	rBV	203491	419599	75.84%	5.473%
8	10.109	1369	1376	1382	rBV	318958	553248	100.00%	7.216%
9	10.505	1438	1441	1446	rBV5	8263	13676	2.47%	0.178%
10	11.018	1520	1525	1528	rBV6	10071	18515	3.35%	0.241%
11	11.219	1555	1558	1562	rBV6	9721	15157	2.74%	0.198%
12	11.414	1584	1590	1598	rVB	288936	473768	85.63%	6.179%
13	11.639	1624	1627	1629	rBV3	14698	20119	3.64%	0.262%
14	11.859	1661	1663	1666	rBV4	8452	10728	1.94%	0.140%
15	11.938	1668	1676	1682	rBV7	47956	163529	29.56%	2.133%
16	12.170	1710	1714	1718	rVB4	26202	48081	8.69%	0.627%
17	12.255	1724	1728	1733	rBV3	39783	69724	12.60%	0.909%
18	12.340	1739	1742	1744	rBV2	15652	14723	2.66%	0.192%
19	12.408	1748	1753	1757	rBV2	191875	295811	53.47%	3.858%
20	12.572	1776	1780	1781	rBV2	37915	52754	9.54%	0.688%
21	12.731	1801	1806	1811	rBV2	142583	217138	39.25%	2.832%
22	12.785	1812	1815	1826	rVB8	70832	163022	29.47%	2.126%
23	12.883	1827	1831	1832	rBV3	24699	32652	5.90%	0.426%
24	12.962	1841	1844	1851	rVB2	79467	118273	21.38%	1.543%
25	13.042	1851	1857	1862	rBV3	68215	130035	23.50%	1.696%
26	13.090	1863	1865	1870	rVB2	25639	29239	5.28%	0.381%
27	13.151	1871	1875	1876	rBV3	23097	30639	5.54%	0.400%
28	13.243	1883	1890	1893	rBV5	62739	112684	20.37%	1.470%
29	13.285	1893	1897	1900	rBV6	33757	44700	8.08%	0.583%
30	13.346	1901	1907	1911	rBV	225074	390318	70.55%	5.091%
31	13.420	1917	1919	1927	rVB5	40795	59462	10.75%	0.776%
32	13.541	1936	1939	1943	rVB	68961	92790	16.77%	1.210%
33	13.584	1943	1946	1955	rVB3	63166	120024	21.69%	1.565%
34	13.676	1955	1961	1965	rBV2	170499	282702	51.10%	3.687%
35	13.718	1965	1968	1970	rBV3	20852	29386	5.31%	0.383%
36	13.743	1970	1972	1979	rBV3	14541	24940	4.51%	0.325%

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Stop Thrs : 0

Peak Location: TOP

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Peak separation: 5

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37	13.834	1984	1987	1992	rVB5	48896	65946	11.92%	0.860%
38	13.889	1992	1996	2001	rVB3	94035	148323	26.81%	1.935%
39	13.938	2001	2004	2009	rVB6	37172	63957	11.56%	0.834%
40	13.999	2009	2014	2019	rVB2	95529	152409	27.55%	1.988%
41	14.066	2019	2025	2030	rBV9	37644	87919	15.89%	1.147%
42	14.133	2030	2036	2037	rBV6	27154	49436	8.94%	0.645%
43	14.175	2038	2043	2048	rBV7	77446	154978	28.01%	2.021%
44	14.255	2053	2056	2060	rVB	56245	75737	13.69%	0.988%
45	14.297	2060	2063	2066	rBV3	41064	51786	9.36%	0.675%
46	14.340	2066	2070	2074	rVB4	65794	82429	14.90%	1.075%
47	14.395	2076	2079	2082	rVB5	22779	28036	5.07%	0.366%
48	14.486	2090	2094	2098	rBV2	50886	87588	15.83%	1.142%
49	14.529	2098	2101	2106	rVB3	61223	93312	16.87%	1.217%
50	14.602	2106	2113	2117	rBV3	190375	379920	68.67%	4.955%
51	14.651	2117	2121	2127	rVB2	116578	194186	35.10%	2.533%
52	14.749	2133	2137	2147	rVB	101381	178418	32.25%	2.327%
53	14.858	2151	2155	2158	rBV5	48645	66354	11.99%	0.865%
54	14.968	2167	2173	2180	rVB2	53481	116153	20.99%	1.515%
55	15.120	2193	2198	2204	rBV3	83179	145931	26.38%	1.903%
56	15.200	2207	2211	2215	rBV4	43294	69160	12.50%	0.902%
57	15.431	2243	2249	2256	rBV5	38293	97296	17.59%	1.269%
58	15.511	2258	2262	2266	rVB6	37491	64313	11.62%	0.839%
59	15.633	2278	2282	2289	rVB3	63514	110397	19.95%	1.440%
60	15.931	2325	2331	2336	rBV4	51114	99259	17.94%	1.295%
61	16.047	2346	2350	2356	rVB2	47603	78215	14.14%	1.020%
62	16.114	2358	2361	2368	rVB4	24124	46203	8.35%	0.603%
63	16.370	2397	2403	2409	rBV6	35334	91825	16.60%	1.198%

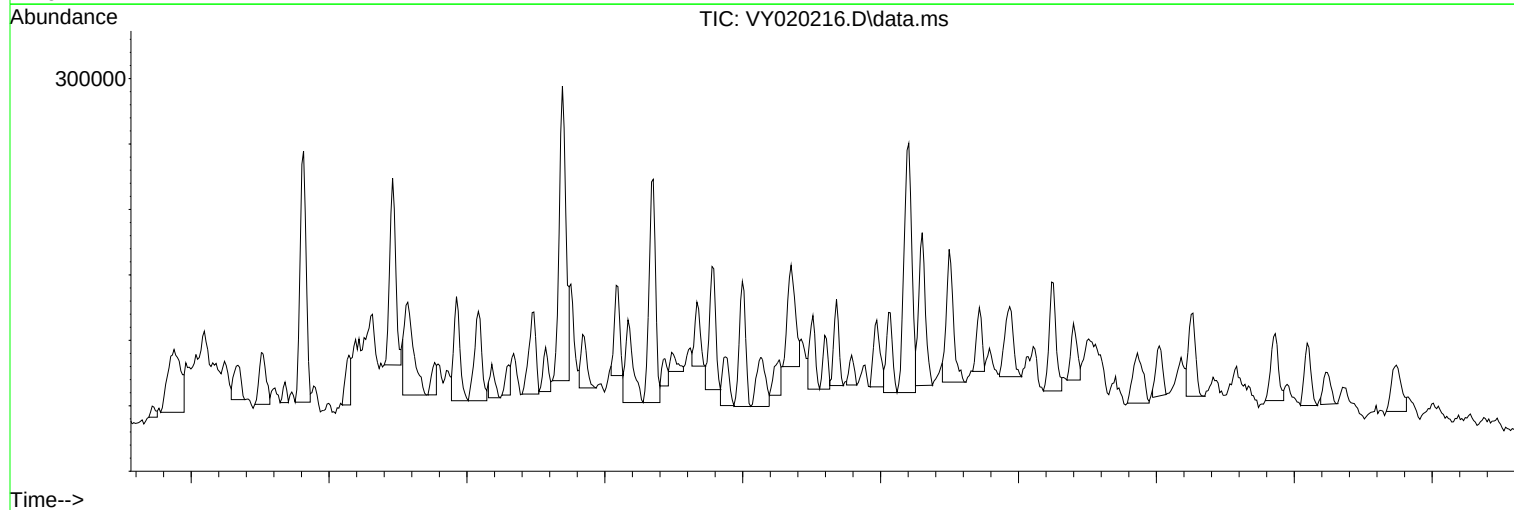
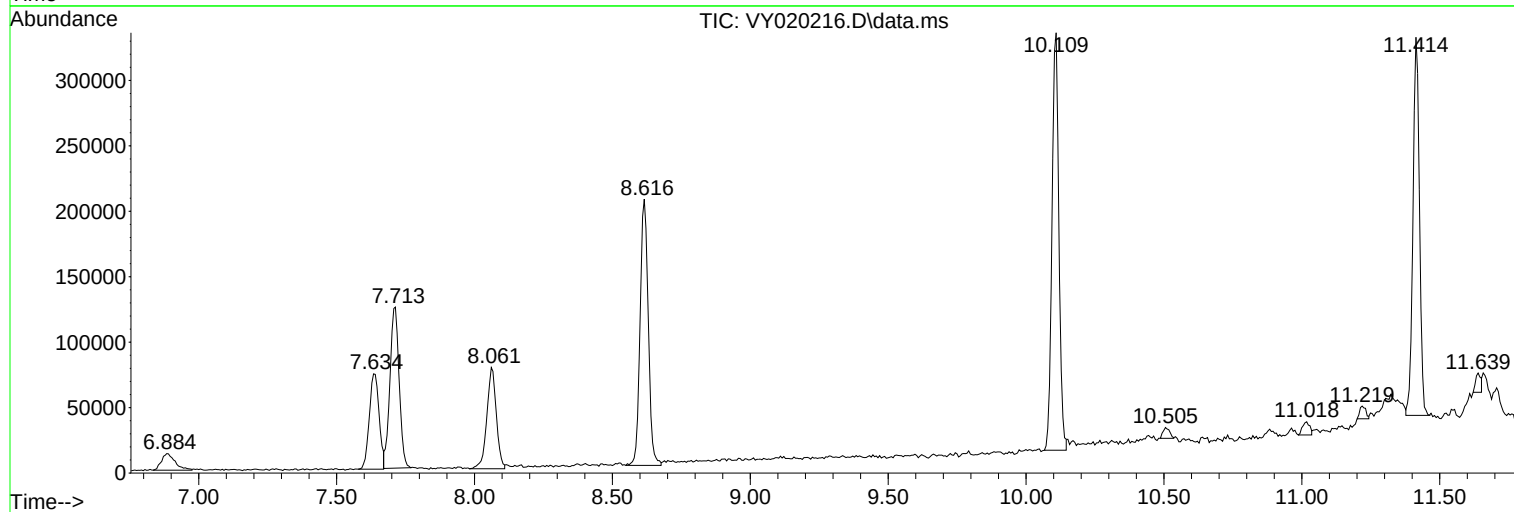
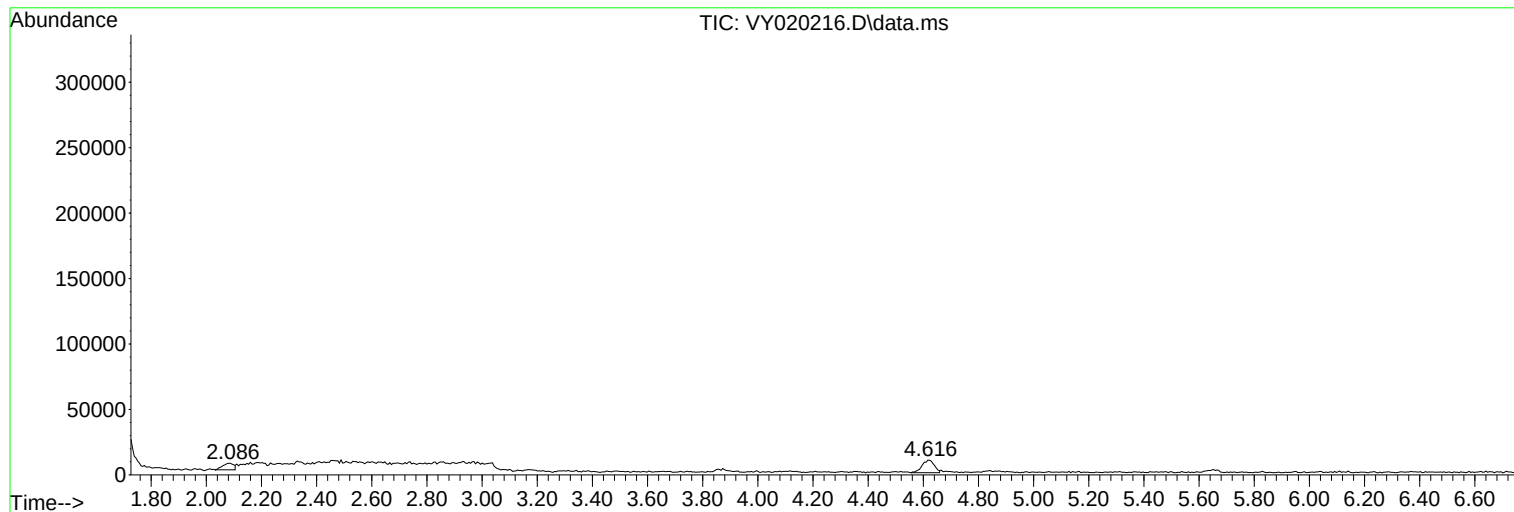
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MSVOA_Y
ClientSampleId :
EO-03-11062024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

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



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ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-11062024

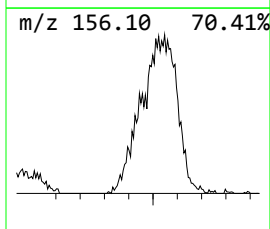
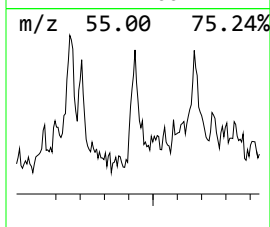
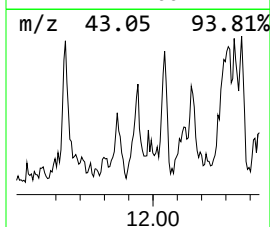
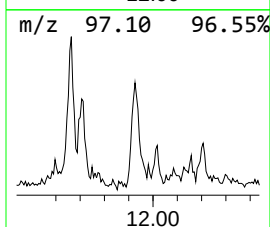
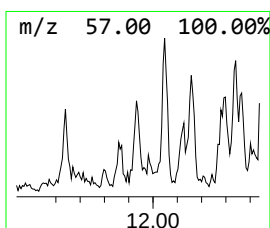
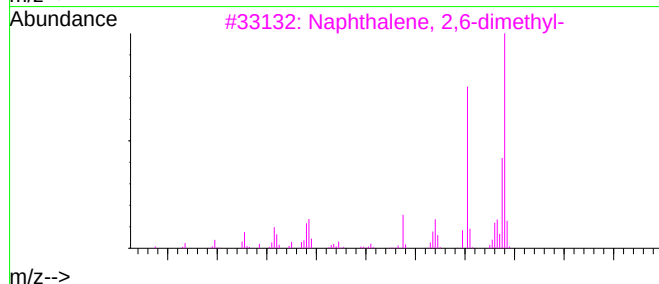
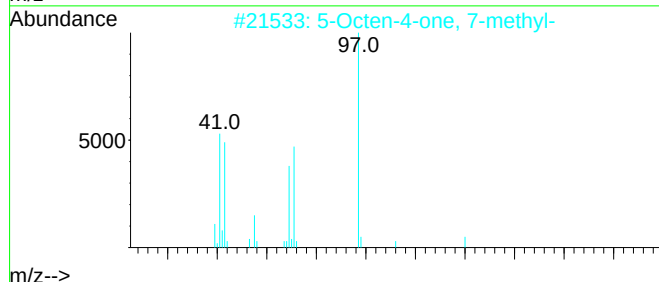
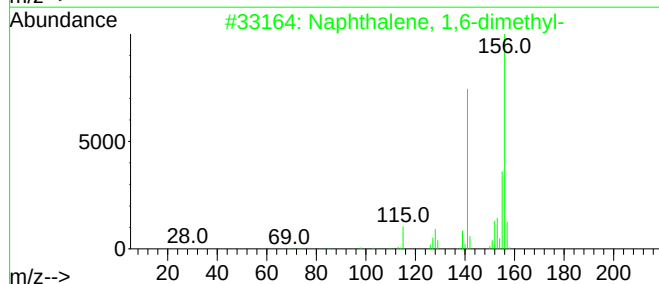
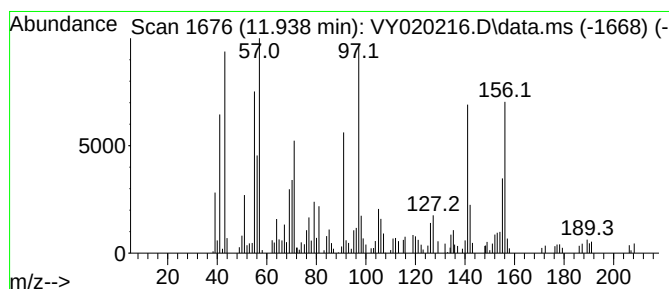
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.938	17.26 ug/l	163529	Chlorobenzene-d5		11.414	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-		156	C12H12	000575-43-9	59
2	5-Octen-4-one, 7-methyl-		140	C9H16O	032064-78-1	30
3	Naphthalene, 2,6-dimethyl-		156	C12H12	000581-42-0	30
4	Sydnone, 3-neopentyl-		156	C7H12N2O2	026537-48-4	30
5	Cyclohexane, 1,1-dimethyl-		112	C8H16	000590-66-9	27



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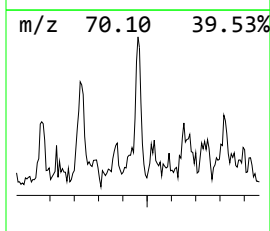
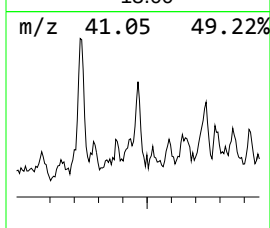
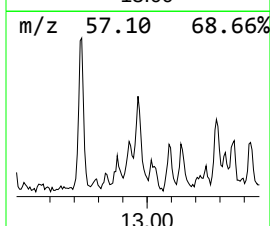
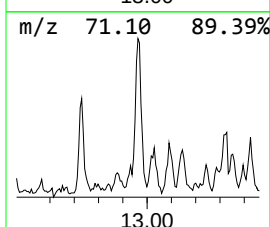
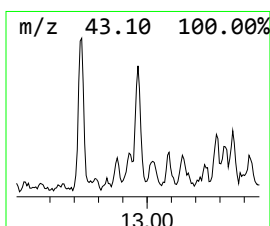
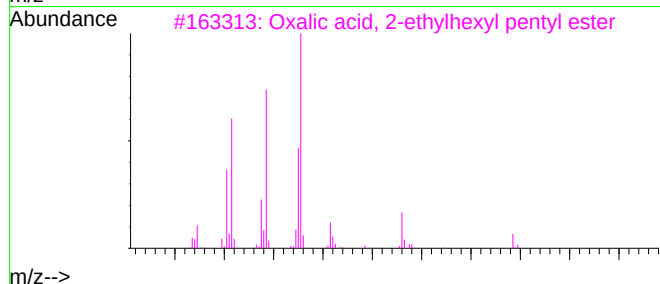
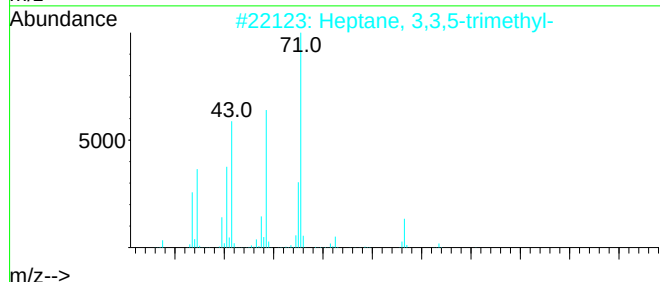
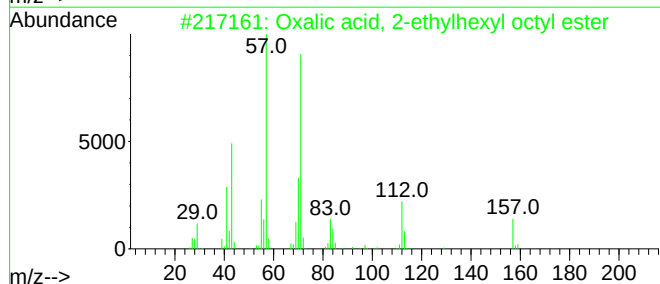
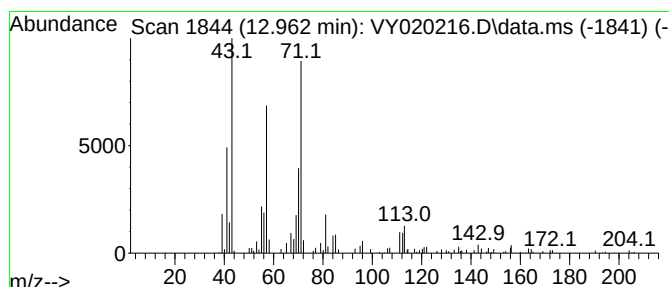
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 2 Oxalic acid, 2-ethylhexyl o... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.962	15.15 ug/l	118273	1,4-Dichlorobenzene-d4	13.346	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	64
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
3	Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	59
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59
5	Oxalic acid, monoamide, N-(2-eth...	271	C15H29NO3	1000309-32-0	53



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ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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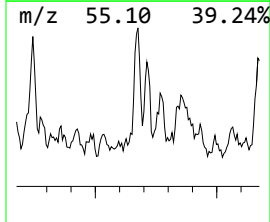
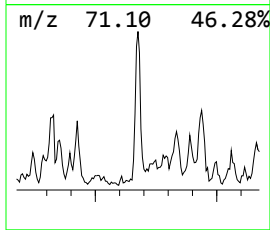
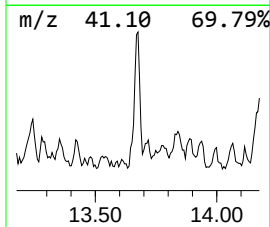
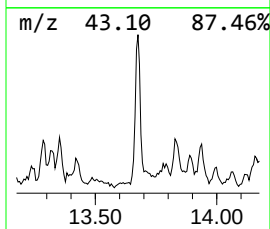
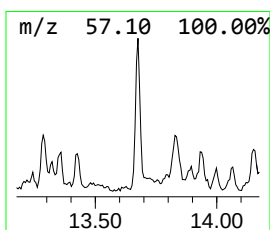
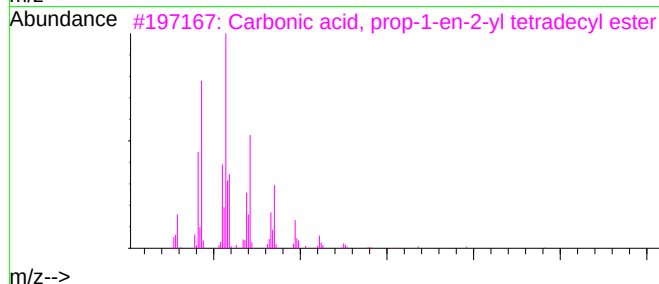
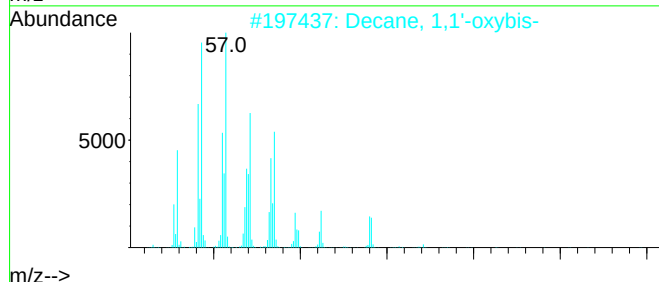
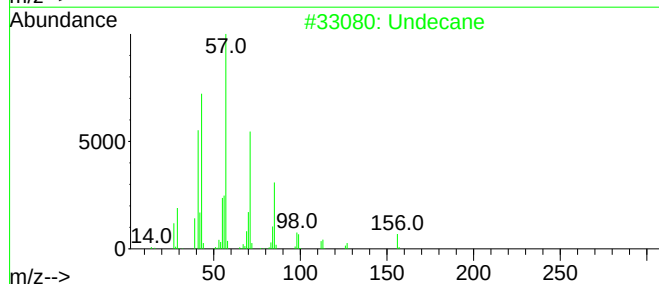
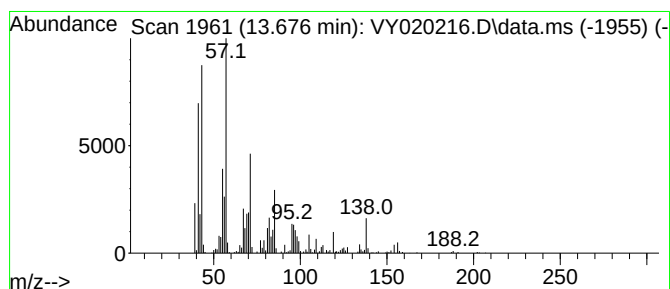
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
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TIC Library : C:\Database\NIST20.L
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Peak Number 3 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	36.21 ug/l	282702	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	89
2	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	46
3	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	46
4	Tridecane	184	C13H28	000629-50-5	38
5	Hexadecane	226	C16H34	000544-76-3	35



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Quant Title : SW846 8260

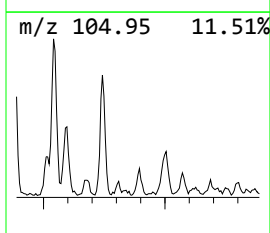
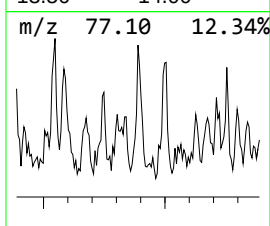
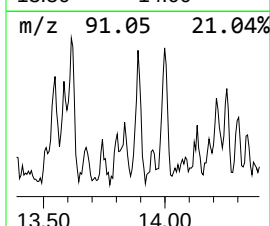
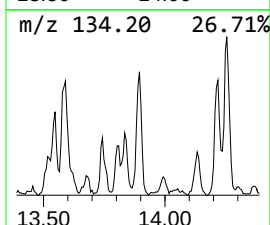
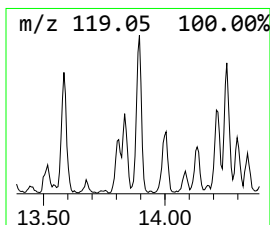
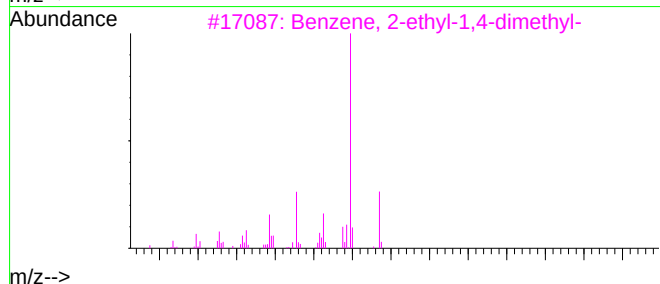
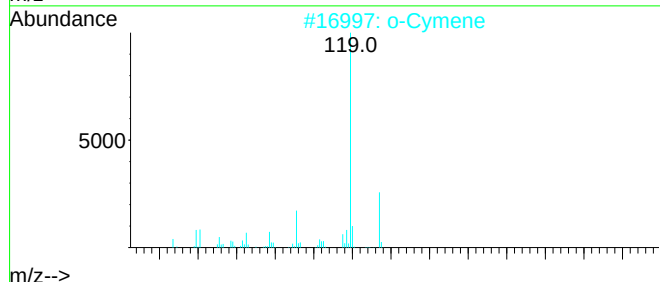
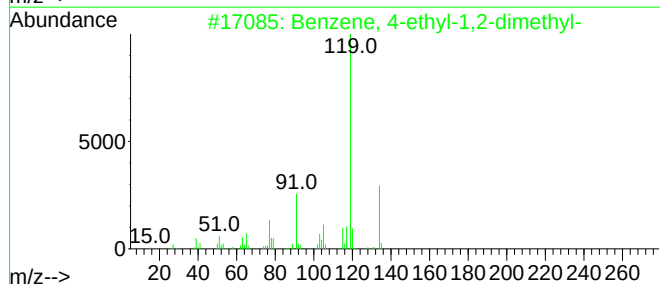
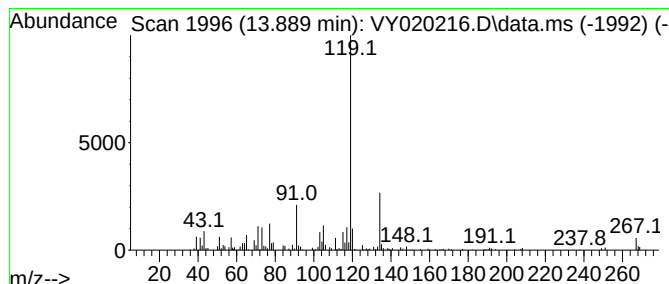
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	19.00 ug/l	148323	1,4-Dichlorobenzene-d4	13.346

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	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020216.D
Acq On : 07 Nov 2024 18:51
Operator : SY/MD
Sample : P4734-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-11062024

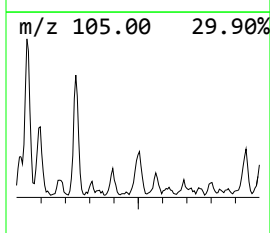
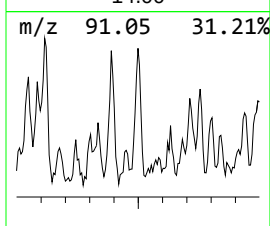
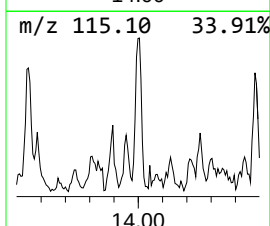
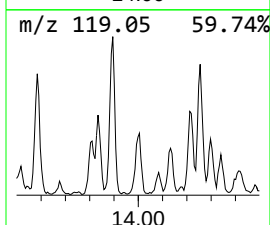
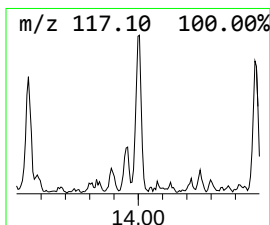
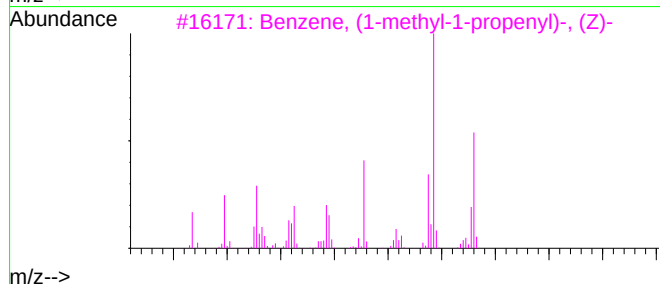
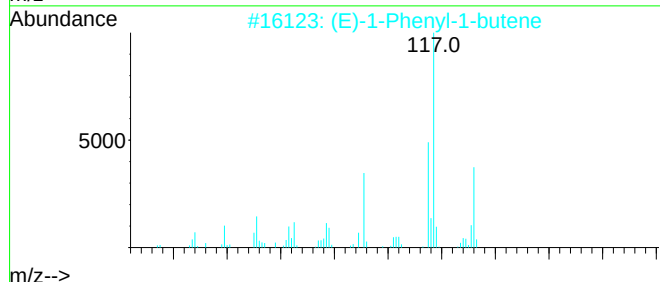
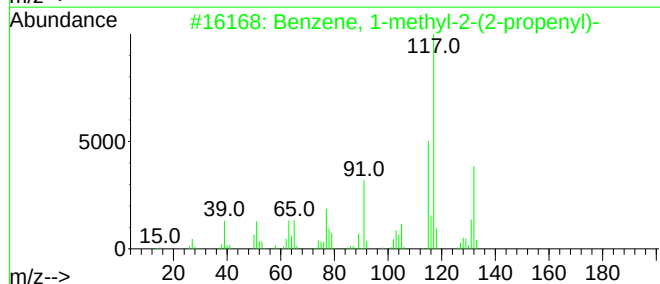
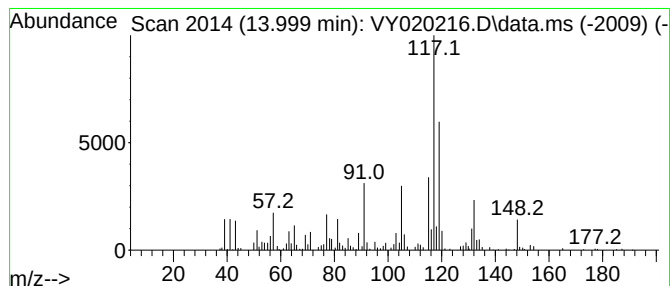
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1-methyl-2-(2-propenyl) Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.999	19.52 ug/l	152409	1,4-Dichlorobenzene-d4	13.346	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	89
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	83
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64
5	Indan, 1-methyl-	132	C10H12	000767-58-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020216.D
Acq On : 07 Nov 2024 18:51
Operator : SY/MD
Sample : P4734-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-11062024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

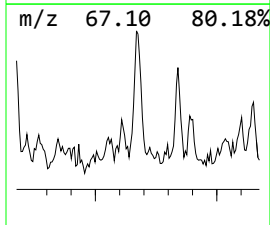
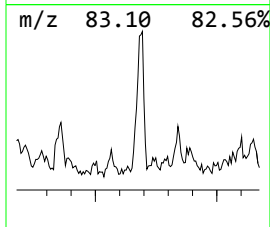
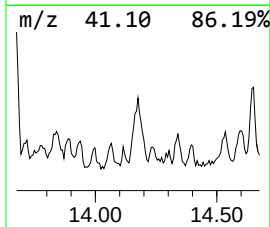
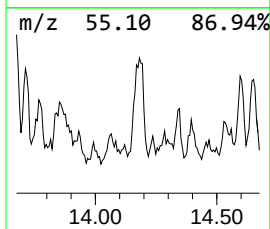
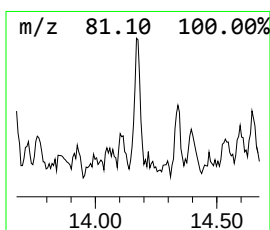
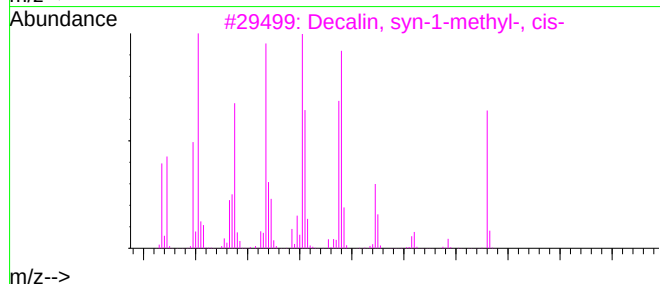
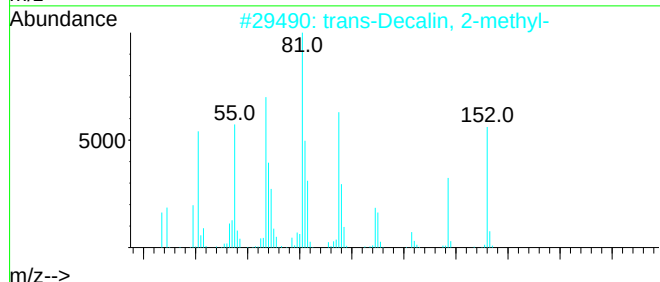
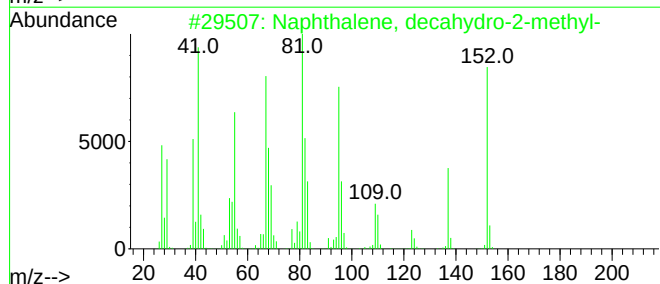
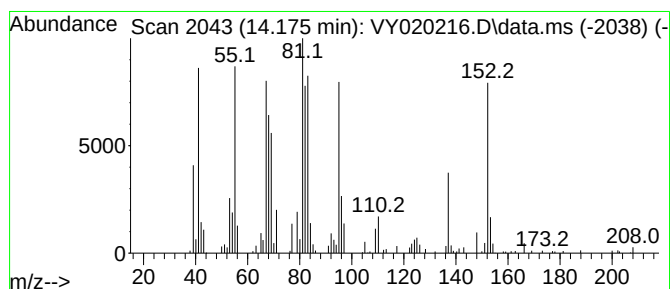
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	19.85 ug/l	154978	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
3	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	62
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	60
5	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020216.D
Acq On : 07 Nov 2024 18:51
Operator : SY/MD
Sample : P4734-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-11062024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

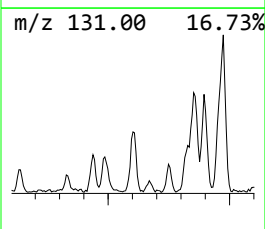
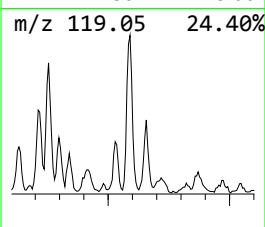
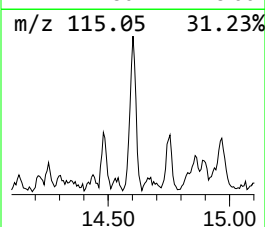
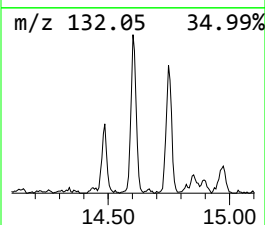
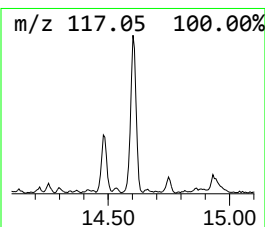
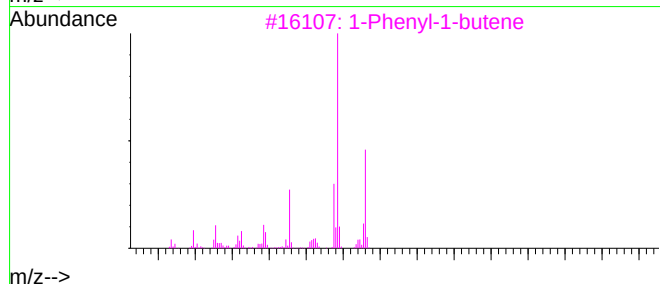
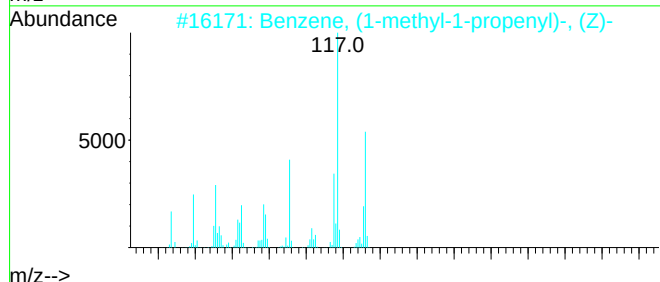
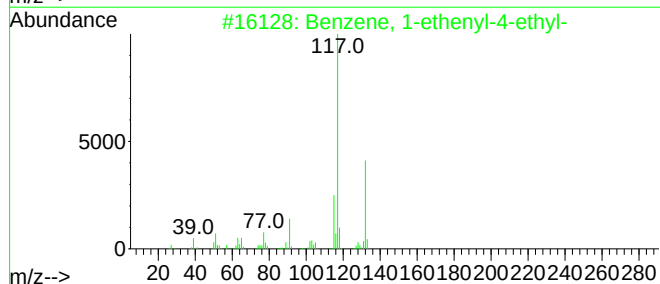
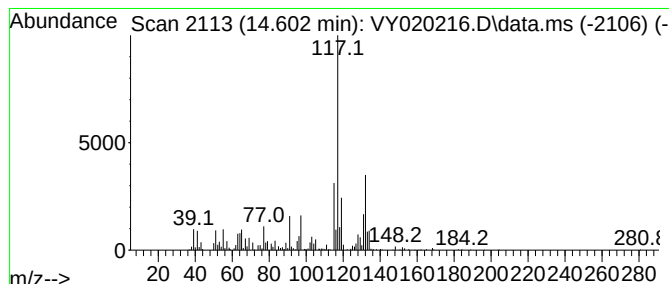
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	48.67 ug/l	379920	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	89
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020216.D
Acq On : 07 Nov 2024 18:51
Operator : SY/MD
Sample : P4734-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

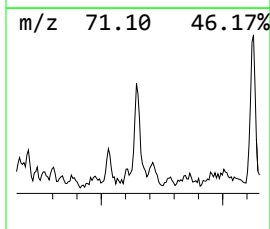
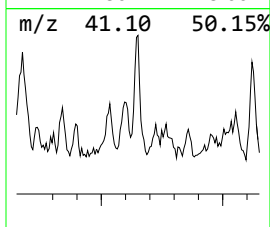
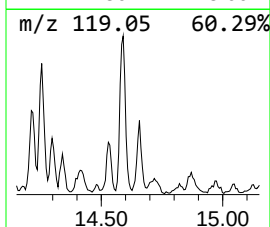
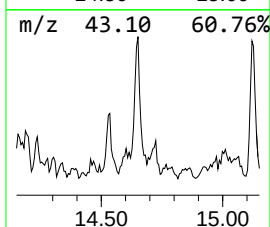
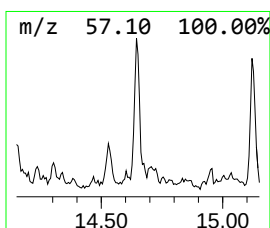
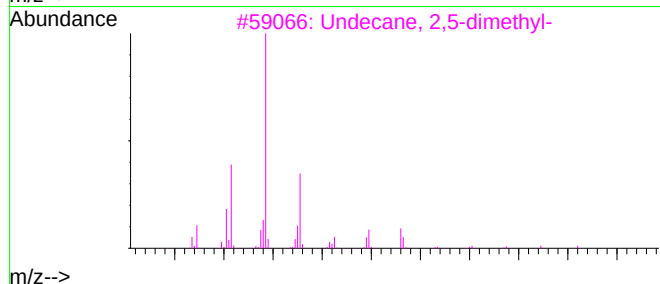
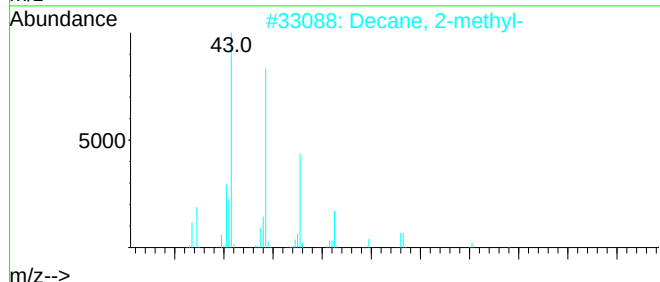
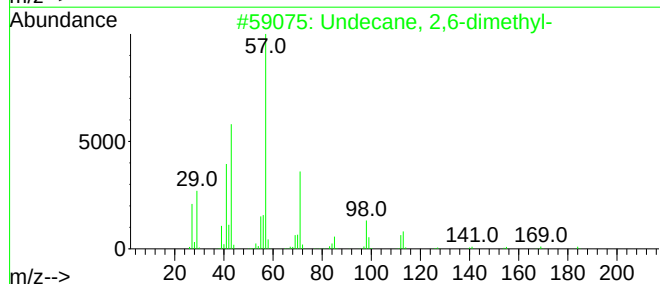
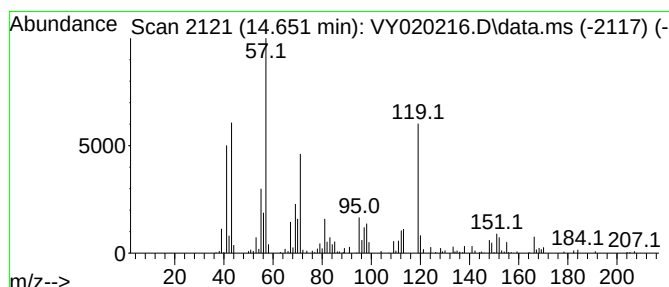
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 8 Undecane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	24.88 ug/l	194186	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	55
2	Decane, 2-methyl-	156	C11H24	006975-98-0	43
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	43
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	43
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020216.D
Acq On : 07 Nov 2024 18:51
Operator : SY/MD
Sample : P4734-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
Quant Title : SW846 8260

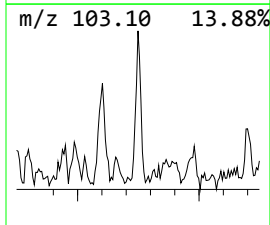
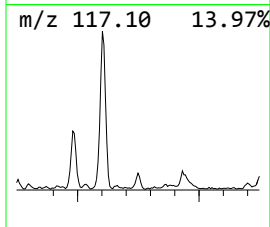
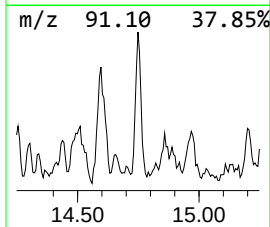
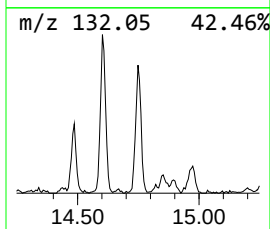
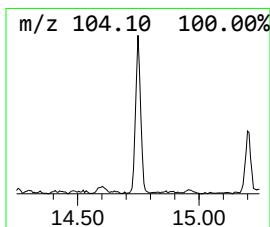
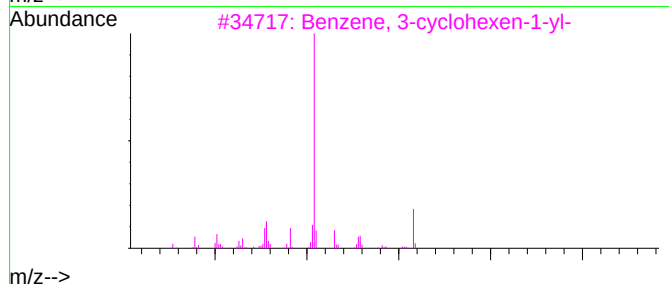
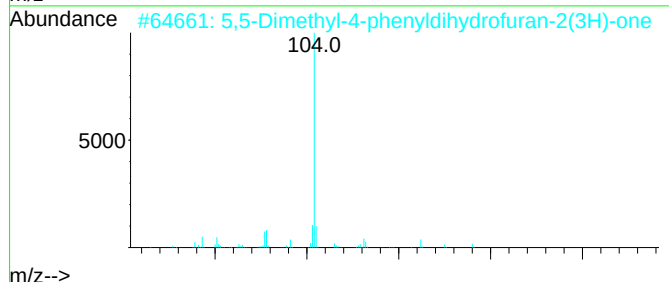
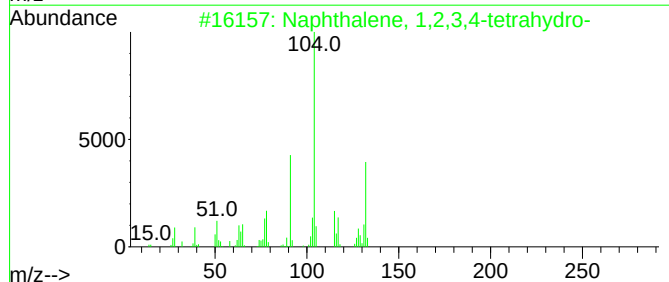
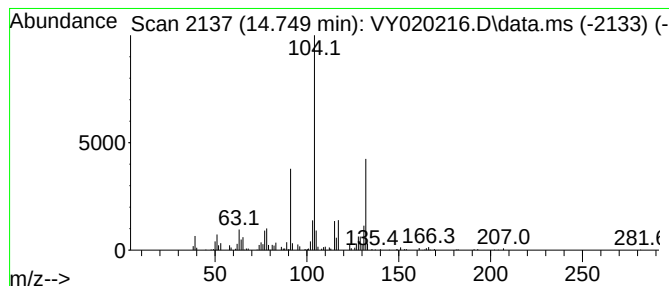
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.749	22.86 ug/l	178418	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2	5,5-Dimethyl-4-phenyldihydrofura...	190	C12H14O2	013133-96-5	47
3	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	47
4	2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	47
5	Carphedon, N-(trifluoroacetyl)	314	C14H13F3N2O3	1000445-42-6	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020216.D
Acq On : 07 Nov 2024 18:51
Operator : SY/MD
Sample : P4734-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-11062024

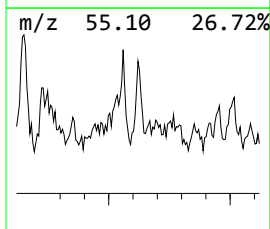
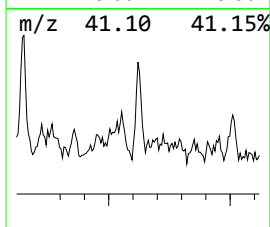
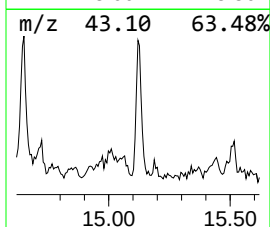
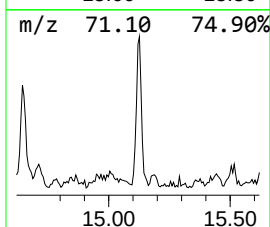
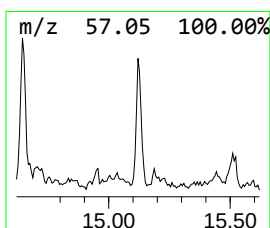
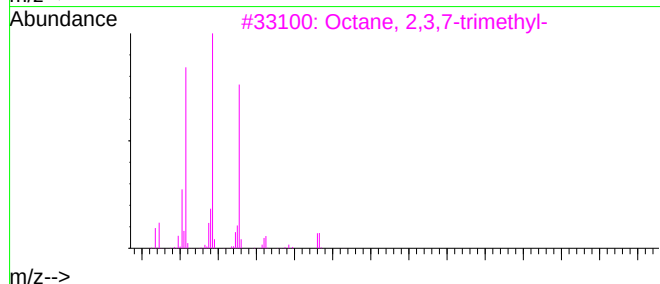
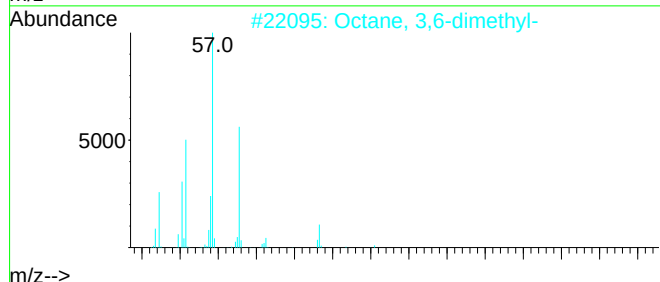
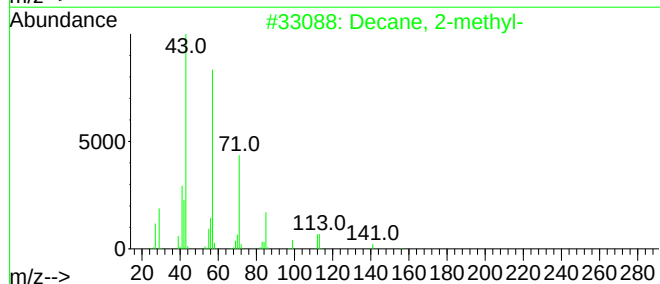
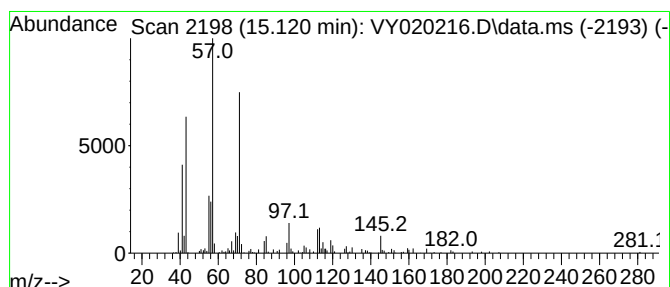
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Quant Title : SW846 8260

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

Peak Number 10 Decane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.120	18.69 ug/l	145931	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	72
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
3	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	58
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110724\
Data File : VY020216.D
Acq On : 07 Nov 2024 18:51
Operator : SY/MD
Sample : P4734-01
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-11062024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.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
Naphthalene, 1,...	11.938	17.3	ug/l	163529	3	11.414	473768	50.0
Oxalic acid, 2-...	12.962	15.2	ug/l	118273	4	13.346	390318	50.0
Undecane	13.676	36.2	ug/l	282702	4	13.346	390318	50.0
Benzene, 4-ethy...	13.889	19.0	ug/l	148323	4	13.346	390318	50.0
Benzene, 1-meth...	13.999	19.5	ug/l	152409	4	13.346	390318	50.0
Naphthalene, de...	14.176	19.9	ug/l	154978	4	13.346	390318	50.0
Benzene, 1-ethe...	14.602	48.7	ug/l	379920	4	13.346	390318	50.0
Undecane, 2,6-d...	14.651	24.9	ug/l	194186	4	13.346	390318	50.0
Naphthalene, 1,...	14.749	22.9	ug/l	178418	4	13.346	390318	50.0
Decane, 2-methyl-	15.120	18.7	ug/l	145931	4	13.346	390318	50.0