

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022401.D
 Acq On : 22 May 2025 17:16
 Operator : SY/MD
 Sample : Q2112-01
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-05222025

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\82Y051525S.M
 Title : SW846 8260

Signal : TIC: VY022401.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.093	50	61	64	rBV6	4855	14021	9.35%	1.061%
2	2.141	64	69	70	rVV5	1938	4221	2.81%	0.319%
3	2.184	72	76	78	rVV5	1940	3147	2.10%	0.238%
4	2.464	117	122	125	rVV3	3897	7127	4.75%	0.539%
5	7.640	963	971	977	rBV	19614	46929	31.29%	3.552%
6	7.720	977	984	995	rVB2	42308	95771	63.85%	7.248%
7	8.067	1033	1041	1050	rBV3	16798	41039	27.36%	3.106%
8	8.622	1124	1132	1144	rVB	59544	118528	79.03%	8.971%
9	10.115	1369	1377	1386	rBV	88138	149984	100.00%	11.351%
10	10.518	1438	1443	1448	rBV4	1269	1945	1.30%	0.147%
11	11.024	1520	1526	1534	rVB6	1176	2637	1.76%	0.200%
12	11.213	1550	1557	1563	rVB7	2637	5666	3.78%	0.429%
13	11.316	1566	1574	1581	rBV5	1990	4527	3.02%	0.343%
14	11.426	1585	1592	1603	rVB	65047	109789	73.20%	8.309%
15	11.603	1617	1621	1624	rBV5	1225	1948	1.30%	0.147%
16	11.646	1624	1628	1633	rVV5	7623	13556	9.04%	1.026%
17	11.713	1636	1639	1644	rVB4	1686	2464	1.64%	0.186%
18	11.859	1659	1663	1670	rBV5	1238	2284	1.52%	0.173%
19	11.944	1670	1677	1678	rBV4	3482	5995	4.00%	0.454%
20	12.054	1691	1695	1700	rVB3	4995	6333	4.22%	0.479%
21	12.133	1704	1708	1711	rBV5	2815	4688	3.13%	0.355%
22	12.182	1711	1716	1721	rVB7	4988	9203	6.14%	0.697%
23	12.347	1730	1743	1746	rBV7	6016	17409	11.61%	1.318%
24	12.371	1746	1747	1749	rVV2	5234	4313	2.88%	0.326%
25	12.414	1749	1754	1758	rVV	42493	66002	44.01%	4.995%
26	12.450	1758	1760	1765	rVV2	6358	8435	5.62%	0.638%
27	12.578	1776	1781	1788	rVB7	4632	8369	5.58%	0.633%
28	12.645	1788	1792	1793	rBV2	3109	3132	2.09%	0.237%
29	12.664	1793	1795	1797	rVV2	1811	1706	1.14%	0.129%
30	12.737	1797	1807	1812	rVV3	40704	72345	48.24%	5.475%
31	12.786	1812	1815	1822	rVB7	5080	9570	6.38%	0.724%
32	12.902	1826	1834	1838	rBV3	7419	18093	12.06%	1.369%
33	12.969	1841	1845	1851	rVB2	16003	23375	15.58%	1.769%
34	13.042	1853	1857	1858	rBV3	1565	1918	1.28%	0.145%
35	13.097	1862	1866	1871	rBV8	3767	7849	5.23%	0.594%
36	13.152	1871	1875	1877	rBV3	4600	6550	4.37%	0.496%

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37	13.249	1884	1891	1894	rBV6	12349	23353	15.57%	1.767%
38	13.292	1894	1898	1901	rVV5	8310	13364	8.91%	1.011%
39	13.353	1901	1908	1918	rVB2	46353	100630	67.09%	7.616%
40	13.432	1918	1921	1927	rVB5	5920	7155	4.77%	0.542%
41	13.493	1927	1931	1933	rBV4	3042	4305	2.87%	0.326%
42	13.517	1933	1935	1936	rVV2	1860	1528	1.02%	0.116%
43	13.548	1936	1940	1944	rVB2	7180	9308	6.21%	0.704%
44	13.597	1944	1948	1952	rVB3	10505	16466	10.98%	1.246%
45	13.682	1956	1962	1966	rBV4	21701	36827	24.55%	2.787%
46	13.718	1966	1968	1970	rBV3	2578	2666	1.78%	0.202%
47	13.749	1970	1973	1978	rVB	5993	8166	5.44%	0.618%
48	13.840	1984	1988	1993	rBV7	5118	7972	5.32%	0.603%
49	13.895	1993	1997	2002	rVB2	11706	17466	11.65%	1.322%
50	13.944	2002	2005	2010	rVB4	3851	5367	3.58%	0.406%
51	14.005	2010	2015	2019	rBV4	13257	19870	13.25%	1.504%
52	14.066	2019	2025	2027	rBV4	3006	6111	4.07%	0.463%
53	14.139	2031	2037	2039	rBV5	4592	7344	4.90%	0.556%
54	14.182	2040	2044	2048	rBV6	5852	9670	6.45%	0.732%
55	14.261	2054	2057	2061	rVB	7629	9517	6.35%	0.720%
56	14.310	2061	2065	2067	rBV3	4390	5546	3.70%	0.420%
57	14.346	2067	2071	2074	rVB5	5630	7908	5.27%	0.599%
58	14.401	2078	2080	2081	rBV2	2477	1512	1.01%	0.114%
59	14.487	2090	2094	2099	rBV6	2474	4634	3.09%	0.351%
60	14.541	2099	2103	2106	rVB5	5032	6489	4.33%	0.491%
61	14.596	2106	2112	2120	rBV5	14072	32333	21.56%	2.447%
62	14.657	2120	2122	2128	rVB7	4270	6836	4.56%	0.517%
63	14.718	2128	2132	2133	rBV3	2246	2250	1.50%	0.170%
64	14.755	2134	2138	2143	rVB5	5400	8951	5.97%	0.677%
65	14.871	2152	2157	2160	rBV6	3412	6004	4.00%	0.454%
66	14.901	2160	2162	2167	rVB5	2479	3259	2.17%	0.247%
67	14.968	2167	2173	2179	rVB4	4547	10163	6.78%	0.769%
68	15.029	2179	2183	2185	rBV6	1138	1981	1.32%	0.150%
69	15.212	2208	2213	2217	rVB6	2989	4630	3.09%	0.350%
70	15.267	2217	2222	2223	rBV5	2216	3260	2.17%	0.247%
71	15.590	2274	2275	2278	rVV3	1521	1672	1.11%	0.127%
72	15.639	2278	2283	2287	rVB4	2195	3497	2.33%	0.265%
73	15.938	2328	2332	2335	rVB4	1793	2395	1.60%	0.181%

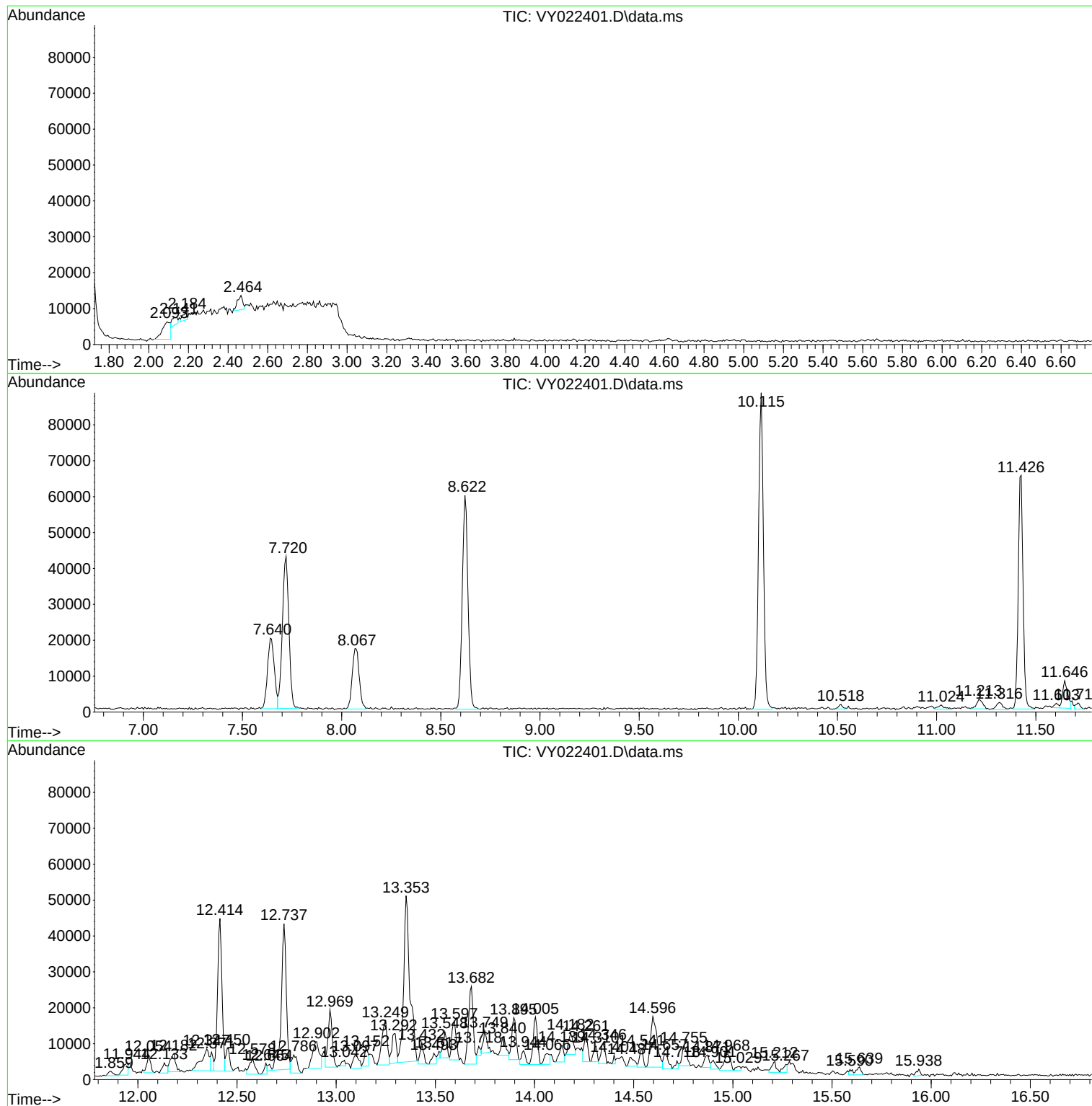
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EO-03-05222025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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



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ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025

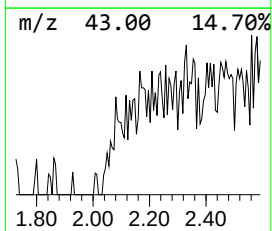
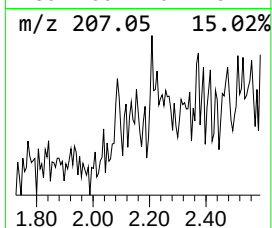
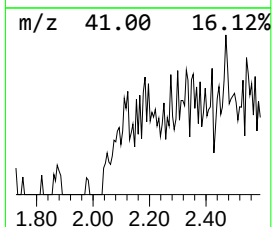
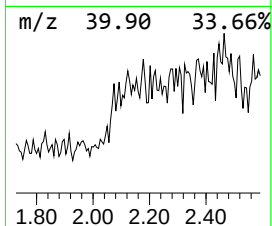
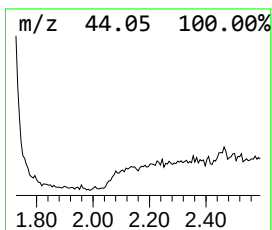
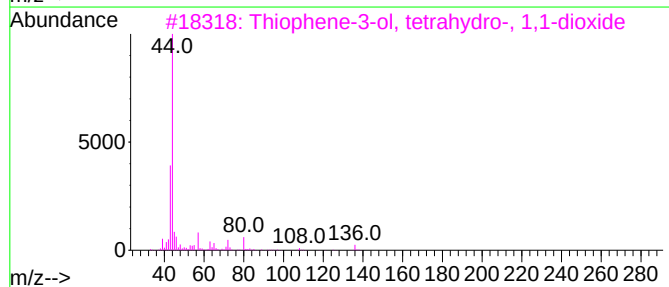
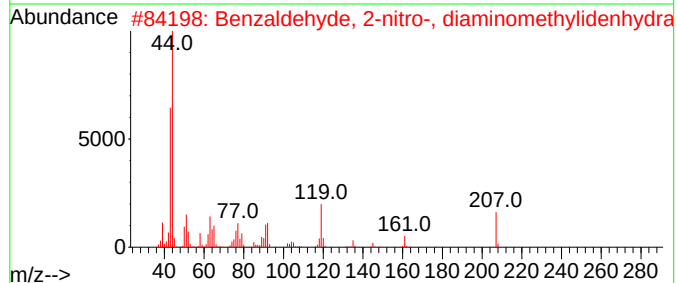
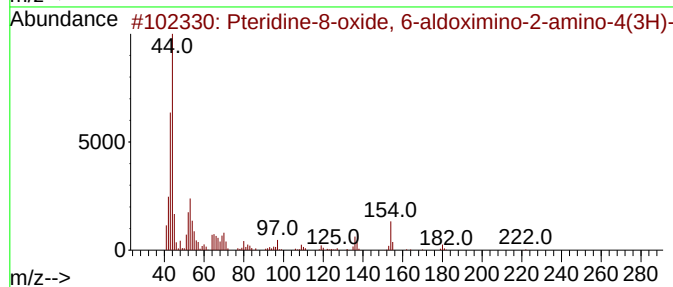
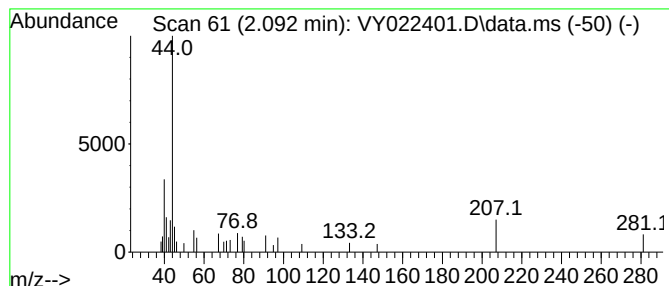
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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

Peak Number 1 unknown2.092 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.092	7.32 ug/l	14021	Pentafluorobenzene	7.720

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pteridine-8-oxide, 6-aldoximino-...	222	C7H6N6O3	023663-23-2	36
2			Benzaldehyde, 2-nitro-, diaminom...	207	C8H9N5O2	102632-31-5	9
3			Thiophene-3-ol, tetrahydro-, 1,1...	136	C4H8O3S	013031-76-0	9
4			3-Azabicyclo[3.2.2]nonane	125	C8H15N	000283-24-9	9
5			3,5,5-Trimethylhexanamide, N-(2-...	275	C18H29NO	1000490-75-8	9



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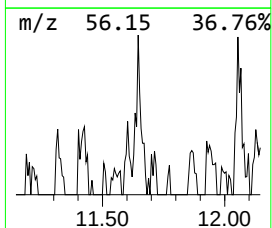
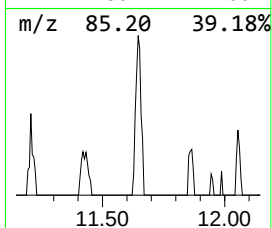
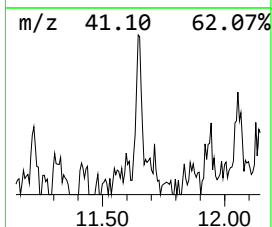
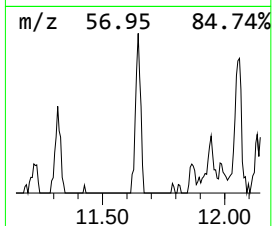
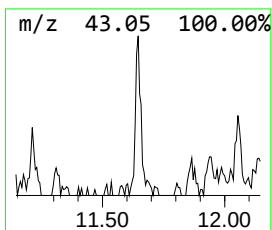
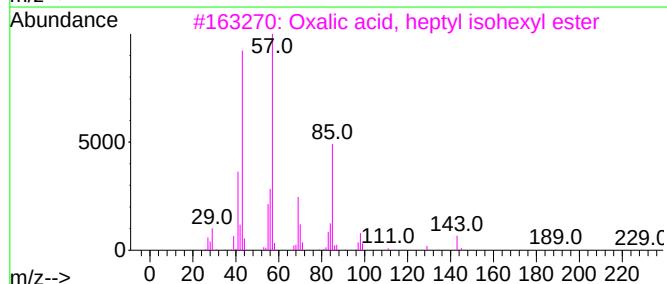
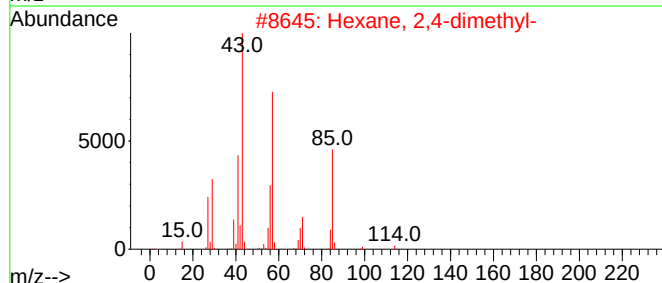
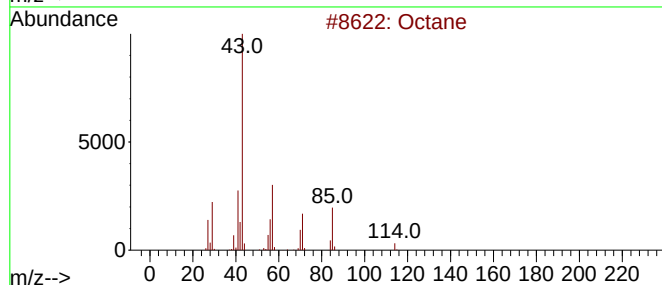
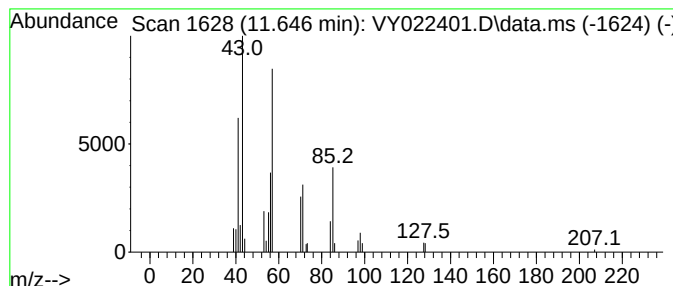
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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

Peak Number 2 Octane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.646	6.17 ug/l	13556	Chlorobenzene-d5	11.426

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane			114	C8H18	000111-65-9	64
2	Hexane, 2,4-dimethyl-			114	C8H18	000589-43-5	53
3	Oxalic acid, heptyl isohexyl ester			272	C15H28O4	1000309-33-1	53
4	Ether, heptyl hexyl			200	C13H28O	007289-40-9	53
5	Octane, 4-methyl-			128	C9H20	002216-34-4	50



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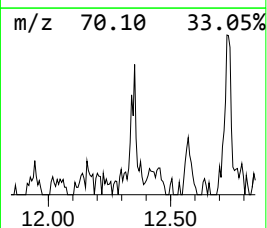
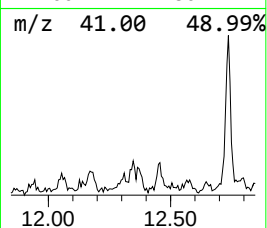
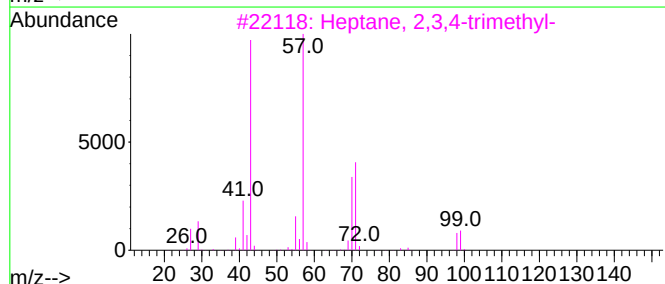
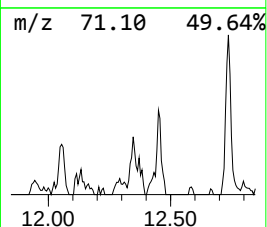
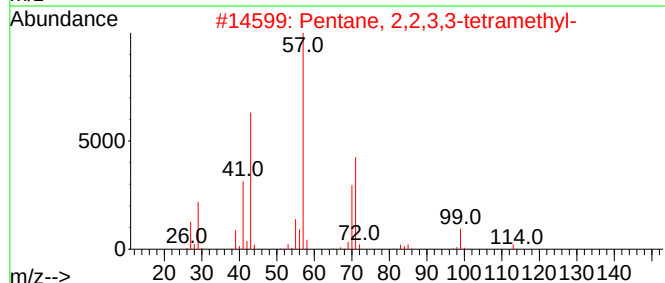
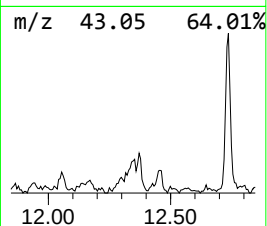
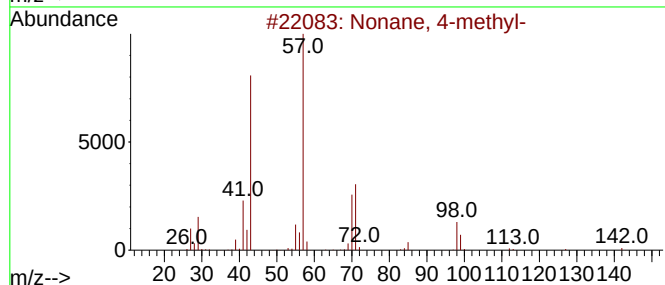
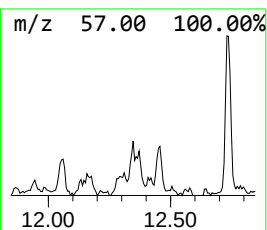
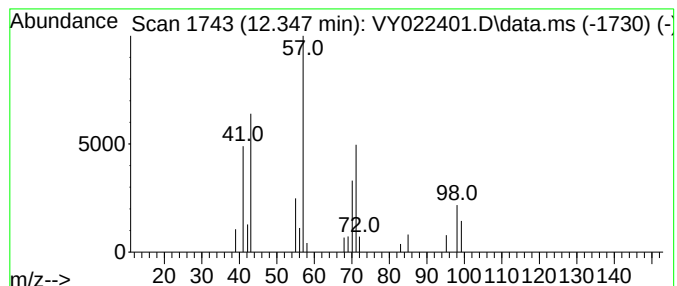
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Peak Number 3 Nonane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.347	7.93 ug/l	17409	Chlorobenzene-d5	11.426

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 4-methyl-	142	C10H22	017301-94-9	83
2			Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
3			Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
4			Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	50
5			Heptane, 3-ethyl-	128	C9H20	015869-80-4	47



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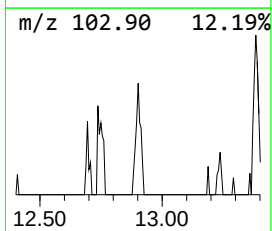
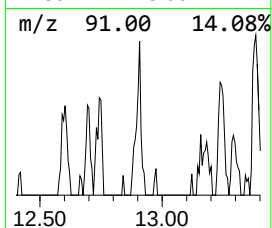
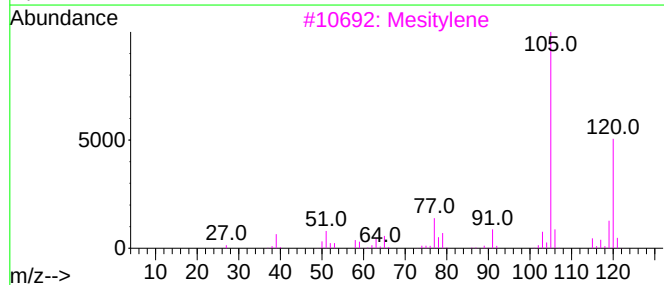
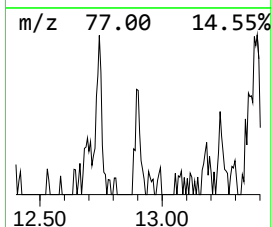
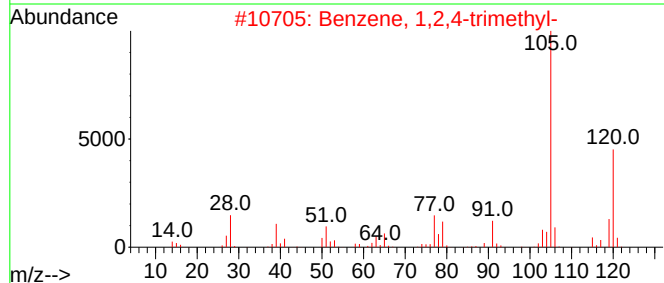
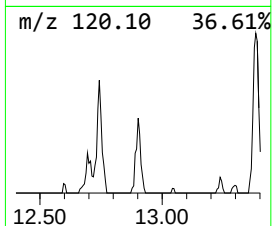
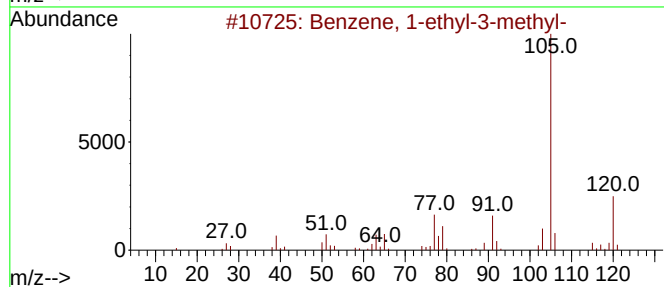
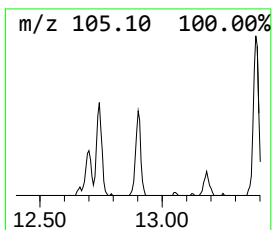
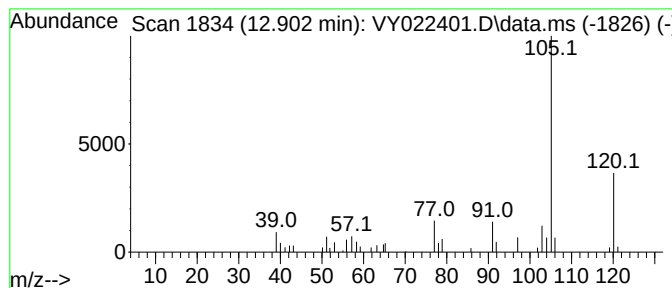
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.902	8.99 ug/l	18093	1,4-Dichlorobenzene-d4	13.353

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	86
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	72
3	Mesitylene	120	C9H12	000108-67-8	72
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	64
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022401.D
Acq On : 22 May 2025 17:16
Operator : SY/MD
Sample : Q2112-01
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025

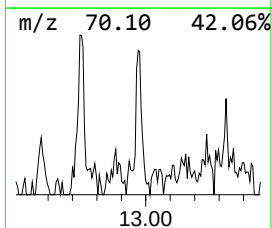
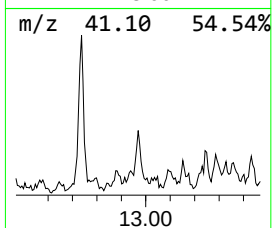
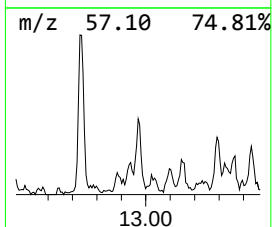
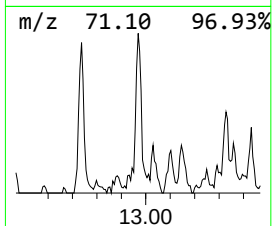
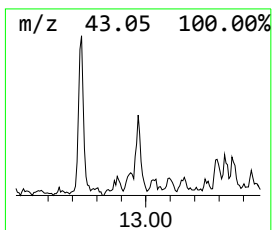
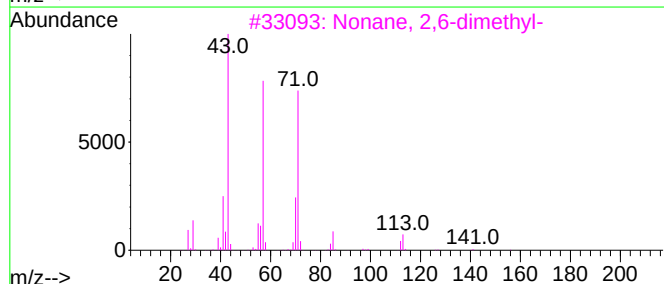
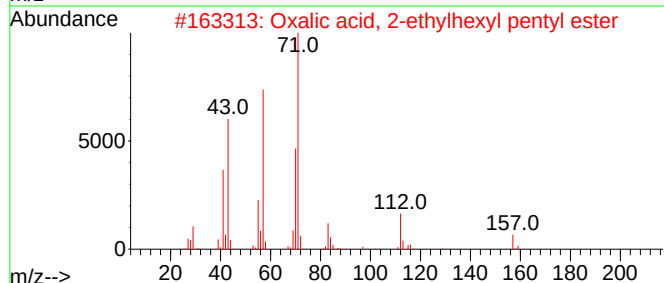
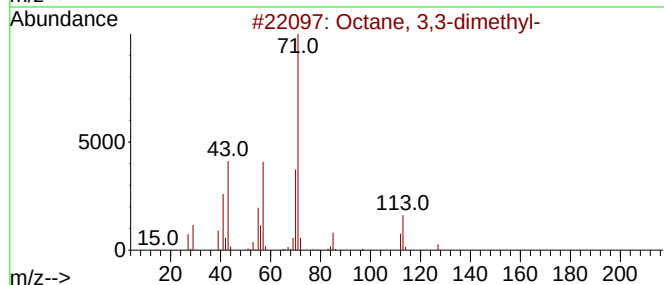
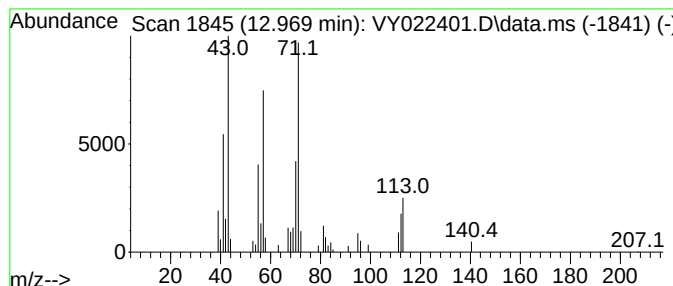
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Quant Title : SW846 8260

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

Peak Number 5 Octane, 3,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.969	11.61 ug/l	23375	1,4-Dichlorobenzene-d4	13.353

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72
2			Oxalic acid, 2-ethylhexyl pentyl...	272	C15H28O4	1000309-38-7	64
3			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	59
4			4-Methyl-3-heptanol, heptafluoro...	326	C12H17F7O2	1000365-51-5	53
5			1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022401.D
Acq On : 22 May 2025 17:16
Operator : SY/MD
Sample : Q2112-01
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025

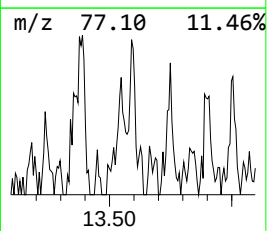
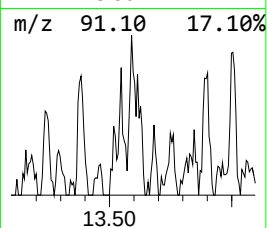
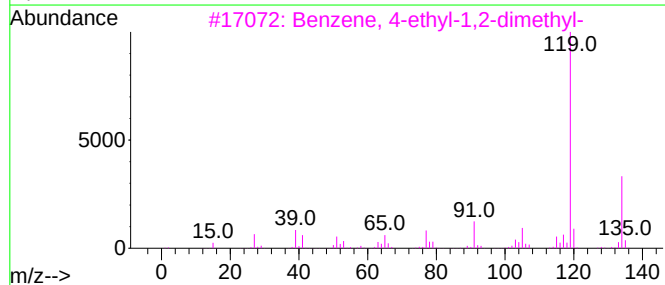
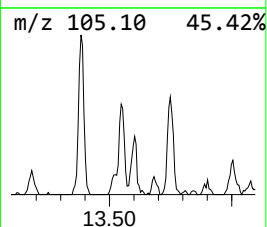
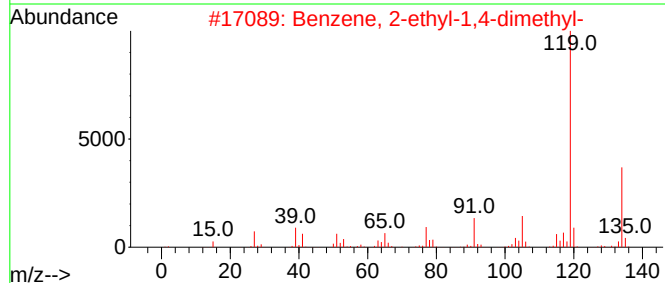
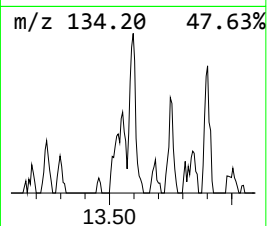
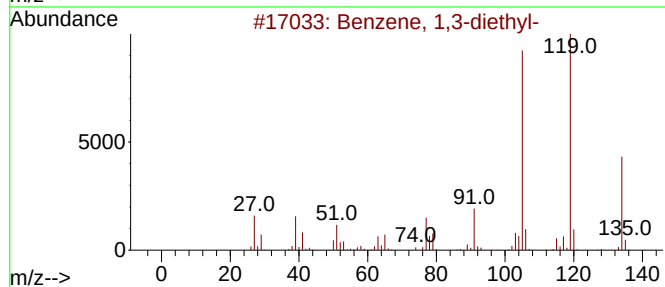
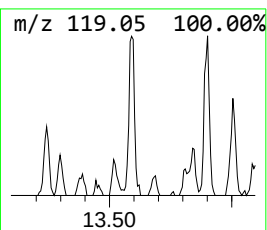
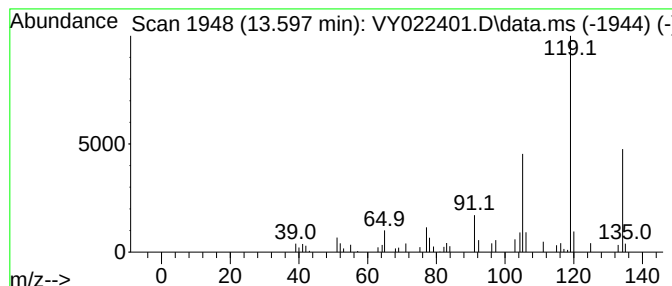
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1,3-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.597	8.18 ug/l	16466	1,4-Dichlorobenzene-d4	13.353

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	83
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	83
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	80
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	80
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022401.D
Acq On : 22 May 2025 17:16
Operator : SY/MD
Sample : Q2112-01
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025

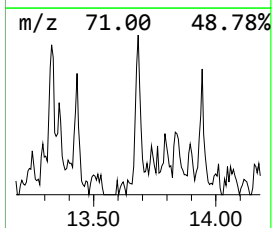
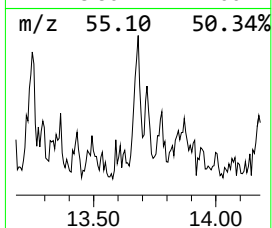
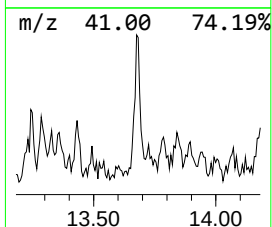
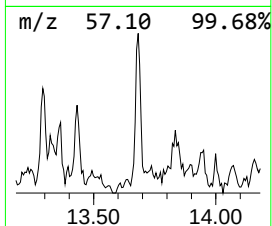
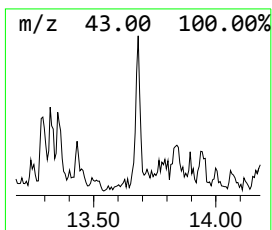
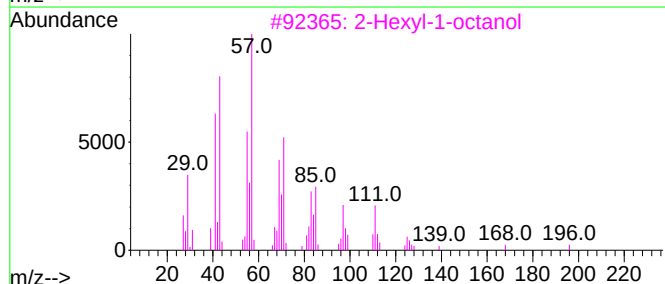
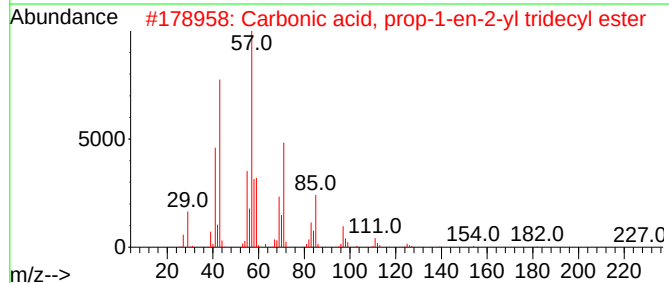
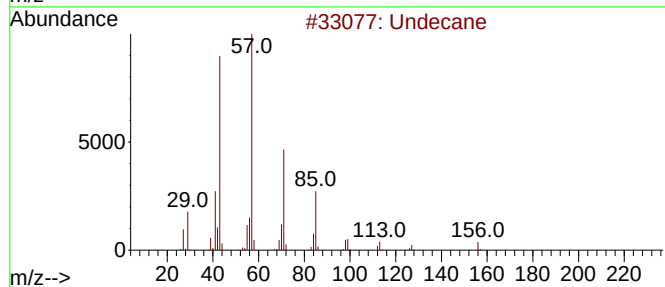
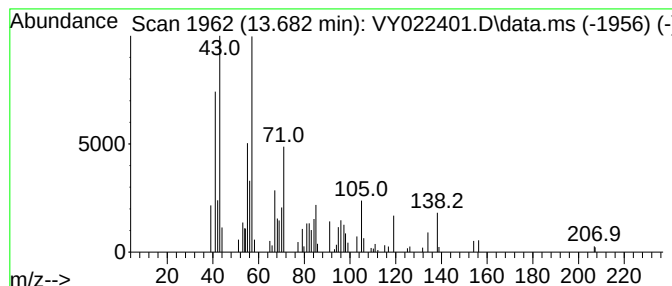
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Quant Title : SW846 8260

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

Peak Number 7 unknown13.682 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.682	18.30 ug/l	36827	1,4-Dichlorobenzene-d4	13.353

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane	156	C11H24	001120-21-4	38
2			Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	38
3			2-Hexyl-1-octanol	214	C14H30O	019780-79-1	35
4			Oxalic acid, cyclobutyl nonyl ester	270	C15H26O4	1000309-70-0	35
5			1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022401.D
Acq On : 22 May 2025 17:16
Operator : SY/MD
Sample : Q2112-01
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025

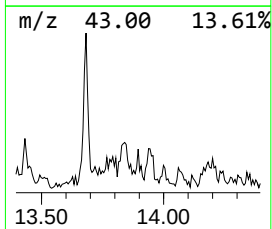
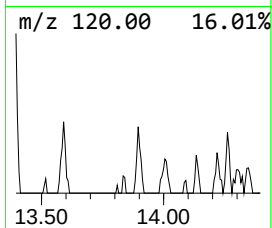
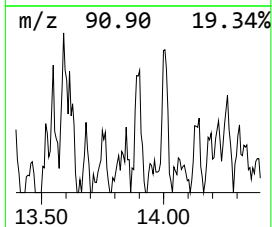
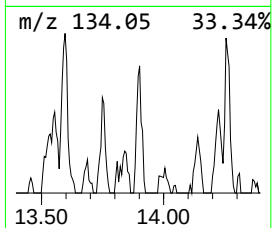
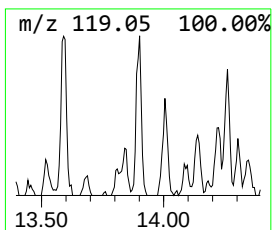
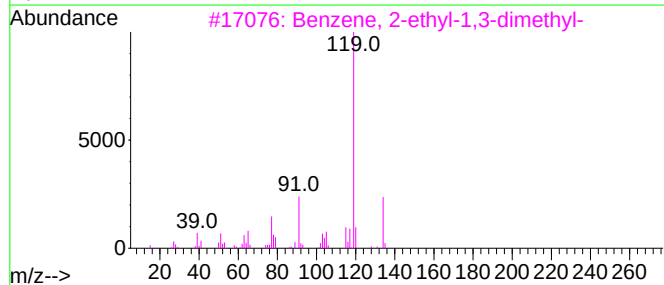
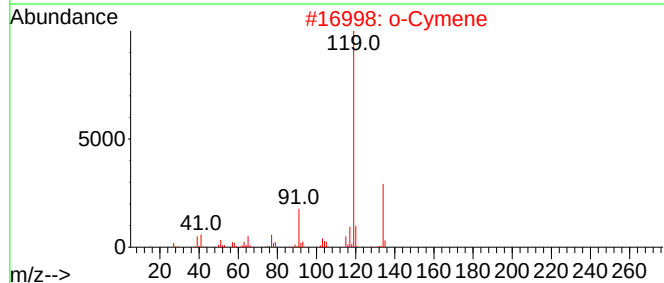
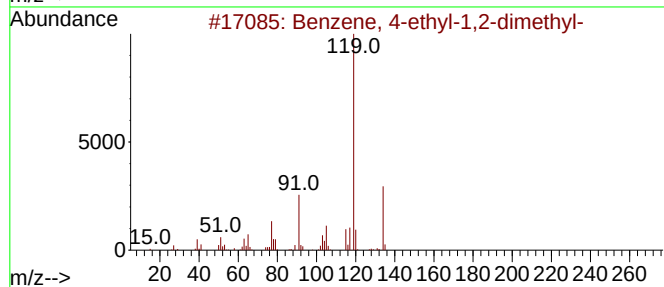
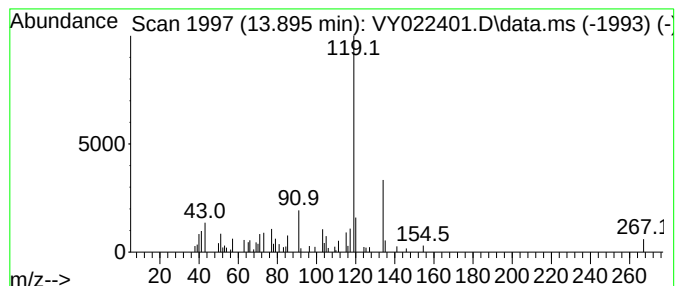
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.895	8.68 ug/l	17466	1,4-Dichlorobenzene-d4	13.353

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
2			o-Cymene	134	C10H14	000527-84-4	90
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
4			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022401.D
Acq On : 22 May 2025 17:16
Operator : SY/MD
Sample : Q2112-01
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025

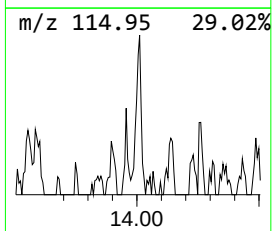
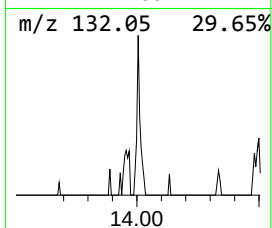
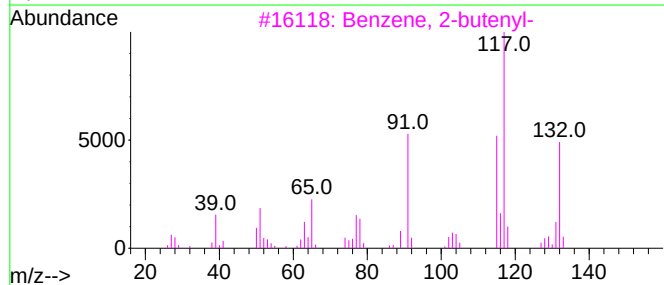
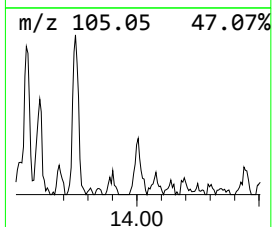
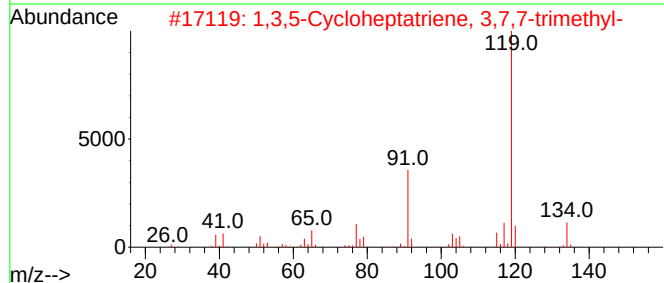
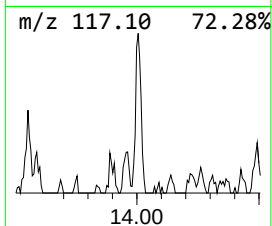
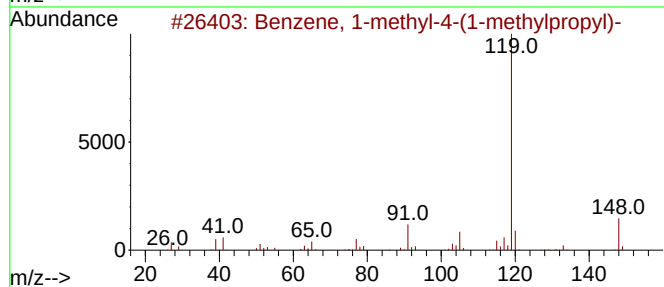
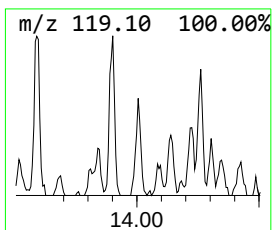
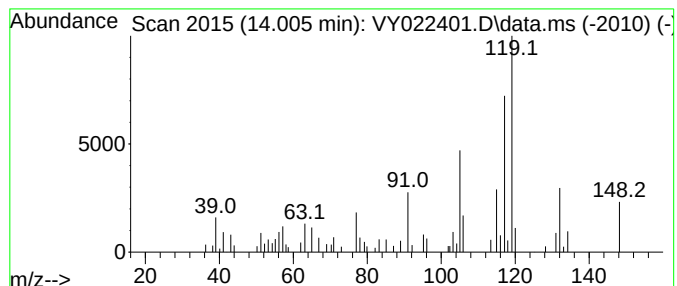
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Quant Title : SW846 8260

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

Peak Number 9 unknown14.005 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	9.87 ug/l	19870	1,4-Dichlorobenzene-d4	13.353

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	46
2			1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	43
3			Benzene, 2-butenyl-	132	C10H12	001560-06-1	42
4			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	42
5			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022401.D
Acq On : 22 May 2025 17:16
Operator : SY/MD
Sample : Q2112-01
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025

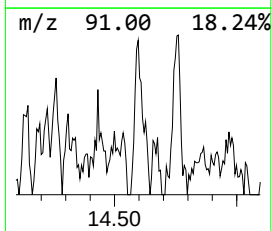
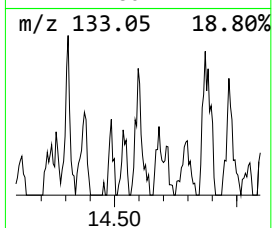
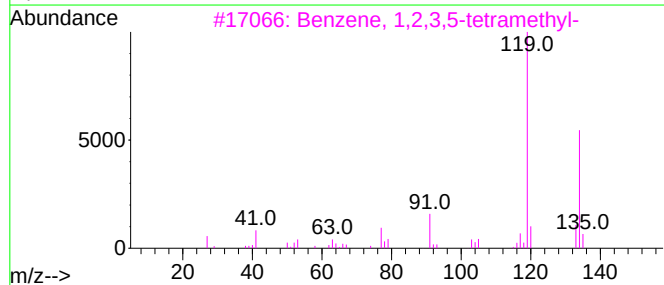
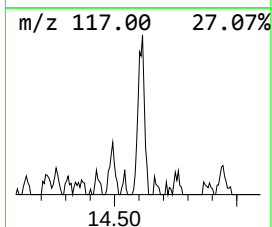
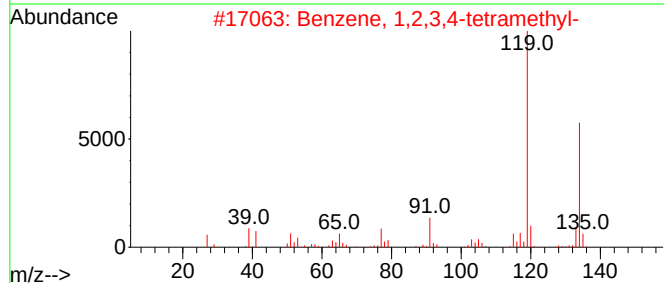
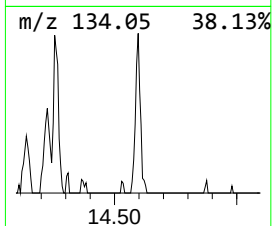
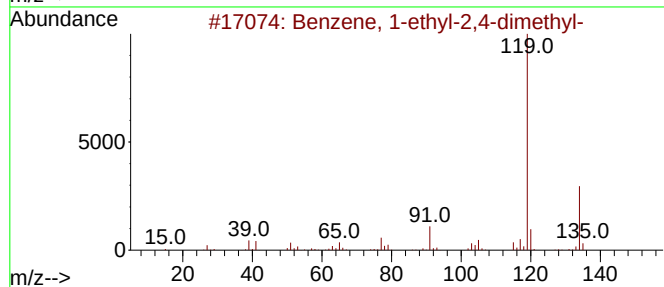
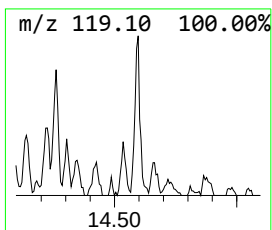
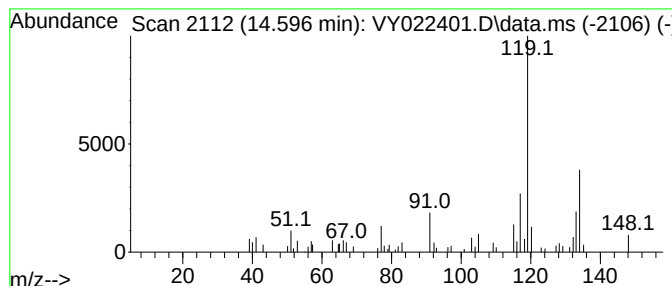
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	16.07 ug/l	32333	1,4-Dichlorobenzene-d4	13.353

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	74
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	74
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	72
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
Data File : VY022401.D
Acq On : 22 May 2025 17:16
Operator : SY/MD
Sample : Q2112-01
Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-03-05222025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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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Octane	11.646	6.2	ug/l	13556	3	11.426	109789	50.0
Nonane, 4-methyl-	12.347	7.9	ug/l	17409	3	11.426	109789	50.0
Benzene, 1-ethy...	12.902	9.0	ug/l	18093	4	13.353	100630	50.0
Octane, 3,3-dim...	12.969	11.6	ug/l	23375	4	13.353	100630	50.0
Benzene, 1,3-di...	13.597	8.2	ug/l	16466	4	13.353	100630	50.0
unknown13.682	13.682	18.3	ug/l	36827	4	13.353	100630	50.0
Benzene, 4-ethy...	13.895	8.7	ug/l	17466	4	13.353	100630	50.0
unknown14.005	14.005	9.9	ug/l	19870	4	13.353	100630	50.0
Benzene, 1-ethy...	14.596	16.1	ug/l	32333	4	13.353	100630	50.0