

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032118.D
 Acq On : 22 Aug 2025 17:56
 Operator : SY/MD
 Sample : Q2926-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-08212025

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_W\Method\82W081125S.M
 Title : SW846 8260

Signal : TIC: VW032118.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.898	977	986	991	rBV2	31326	76707	8.38%	0.820%
2	7.959	991	996	1006	rVB	56335	128299	14.01%	1.372%
3	8.319	1047	1055	1066	rBV	30200	71491	7.81%	0.764%
4	8.855	1135	1143	1154	rBV	83508	177032	19.33%	1.893%
5	10.330	1375	1385	1392	rBV	114934	219188	23.93%	2.343%
6	10.507	1410	1414	1419	rVB5	7177	12120	1.32%	0.130%
7	10.940	1480	1485	1488	rBV7	5109	9362	1.02%	0.100%
8	11.184	1520	1525	1528	rVV2	12341	22350	2.44%	0.239%
9	11.233	1528	1533	1538	rVB4	13470	26784	2.92%	0.286%
10	11.336	1545	1550	1553	rBV6	7961	14924	1.63%	0.160%
11	11.409	1556	1562	1574	rVB5	25762	81915	8.94%	0.876%
12	11.513	1574	1579	1584	rBV2	23811	40383	4.41%	0.432%
13	11.629	1593	1598	1609	rVB	124065	227348	24.83%	2.430%
14	11.733	1610	1615	1617	rVV	15726	25066	2.74%	0.268%
15	11.763	1617	1620	1623	rVV4	13050	21611	2.36%	0.231%
16	11.842	1623	1633	1641	rVV3	157131	362356	39.57%	3.874%
17	11.915	1643	1645	1651	rVB3	25967	35562	3.88%	0.380%
18	11.970	1651	1654	1658	rBV6	7295	13504	1.47%	0.144%
19	12.062	1665	1669	1674	rVB4	14043	23445	2.56%	0.251%
20	12.135	1674	1681	1683	rBV3	57206	108145	11.81%	1.156%
21	12.251	1696	1700	1704	rVB	53867	80691	8.81%	0.863%
22	12.360	1704	1718	1720	rBV5	59819	192166	20.98%	2.054%
23	12.507	1738	1742	1743	rBV4	18441	22302	2.44%	0.238%
24	12.537	1744	1747	1749	rVV	37571	46099	5.03%	0.493%
25	12.562	1749	1751	1755	rVB	63514	83760	9.15%	0.895%
26	12.617	1755	1760	1763	rBV	96512	156817	17.12%	1.676%
27	12.702	1771	1774	1777	rVB4	20567	25544	2.79%	0.273%
28	12.781	1783	1787	1794	rVB4	41542	96463	10.53%	1.031%
29	12.866	1794	1801	1804	rVV2	118605	223265	24.38%	2.387%
30	12.927	1804	1811	1818	rVV4	432876	915785	100.00%	9.790%
31	12.988	1818	1821	1826	rVB2	60528	89677	9.79%	0.959%
32	13.074	1831	1835	1837	rBV2	39693	58908	6.43%	0.630%
33	13.159	1845	1849	1856	rVB3	123828	197404	21.56%	2.110%
34	13.244	1859	1863	1868	rVV	159503	236610	25.84%	2.529%
35	13.336	1875	1878	1882	rBV5	24652	38557	4.21%	0.412%
36	13.373	1882	1884	1888	rVB3	28875	36602	4.00%	0.391%

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37	13.440	1889	1895	1899	rBV5	119044	234475	25.60%	2.507%
38	13.482	1899	1902	1905	rVV3	91270	136114	14.86%	1.455%
39	13.513	1905	1907	1909	rVV2	51004	61198	6.68%	0.654%
40	13.549	1909	1913	1922	rVV3	185573	446693	48.78%	4.775%
41	13.622	1922	1925	1929	rVB	63693	85506	9.34%	0.914%
42	13.750	1941	1946	1949	rBV2	80050	118926	12.99%	1.271%
43	13.787	1949	1952	1956	rVV3	45187	63938	6.98%	0.684%
44	13.866	1960	1965	1970	rBV2	400839	620352	67.74%	6.632%
45	14.031	1986	1992	1997	rBV6	53912	113227	12.36%	1.210%
46	14.092	1998	2002	2005	rVB	60562	83839	9.15%	0.896%
47	14.196	2014	2019	2025	rVB4	85536	153455	16.76%	1.640%
48	14.256	2025	2029	2035	rVB6	33247	62235	6.80%	0.665%
49	14.378	2045	2049	2053	rVB2	110956	156533	17.09%	1.673%
50	14.421	2053	2056	2059	rVB4	50317	53937	5.89%	0.577%
51	14.494	2064	2068	2071	rBV3	63007	79301	8.66%	0.848%
52	14.543	2071	2076	2081	rVB5	67486	118062	12.89%	1.262%
53	14.592	2082	2084	2088	rBV4	23103	26816	2.93%	0.287%
54	14.634	2089	2091	2095	rVB2	38061	43098	4.71%	0.461%
55	14.683	2095	2099	2100	rBV2	66206	77540	8.47%	0.829%
56	14.714	2100	2104	2111	rVB2	240262	378628	41.34%	4.048%
57	14.799	2112	2118	2121	rBV4	140471	323570	35.33%	3.459%
58	14.951	2139	2143	2150	rVB	122232	202762	22.14%	2.168%
59	15.055	2156	2160	2164	rVB4	43970	66932	7.31%	0.716%
60	15.317	2198	2203	2209	rBV	89095	158596	17.32%	1.695%
61	15.415	2215	2219	2223	rVB	54788	85412	9.33%	0.913%
62	15.543	2236	2240	2249	rVB	176352	302755	33.06%	3.237%
63	15.646	2253	2257	2263	rVB6	51430	104513	11.41%	1.117%
64	15.854	2287	2291	2298	rVB	133676	240658	26.28%	2.573%
65	16.171	2339	2343	2347	rVB2	47286	74680	8.15%	0.798%
66	16.274	2356	2360	2365	rVB3	34264	57718	6.30%	0.617%
67	16.366	2368	2375	2381	rVV3	79057	172347	18.82%	1.842%
68	16.427	2381	2385	2389	rVV3	35743	75646	8.26%	0.809%
69	16.482	2389	2394	2399	rVB	101672	176667	19.29%	1.889%

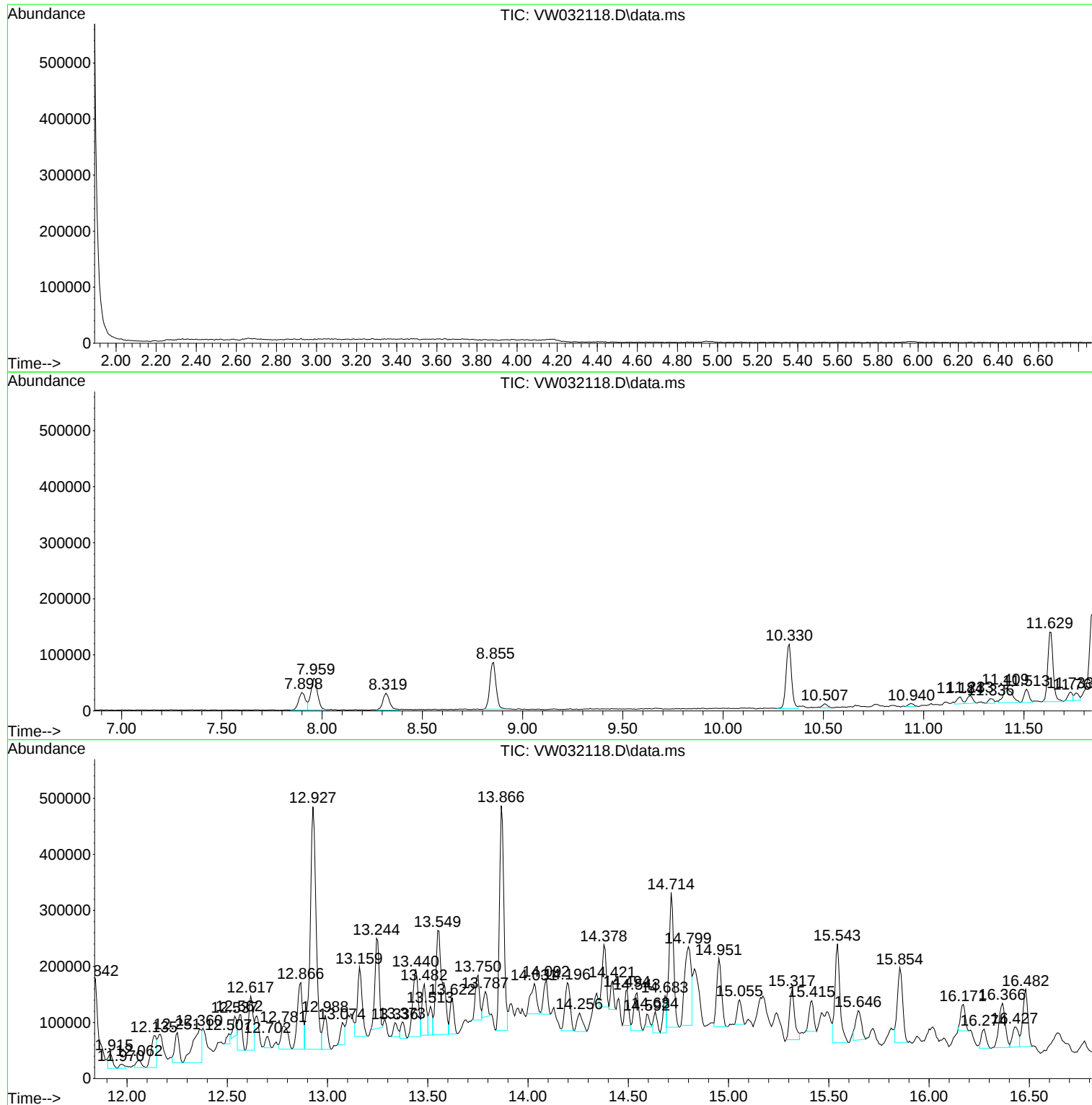
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ClientSampleId :
TR-04-08212025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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



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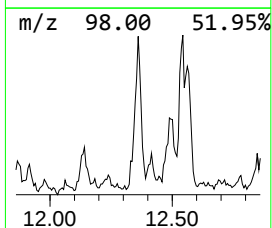
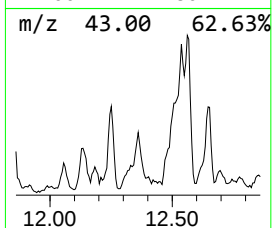
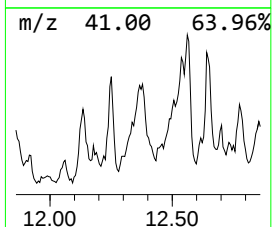
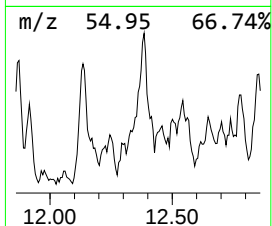
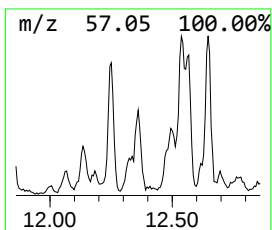
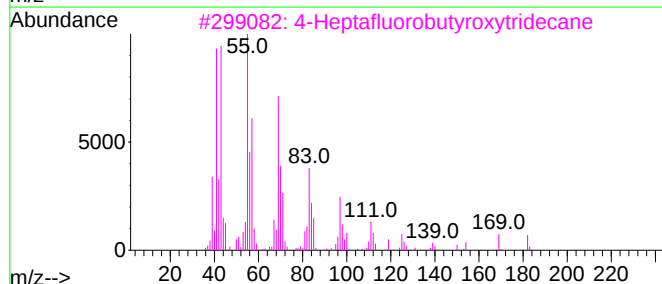
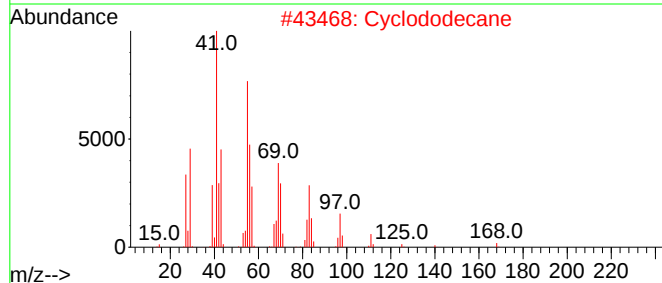
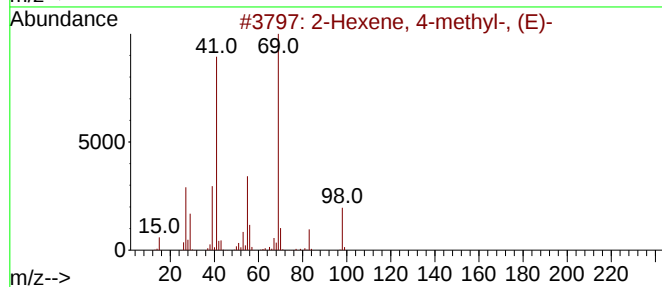
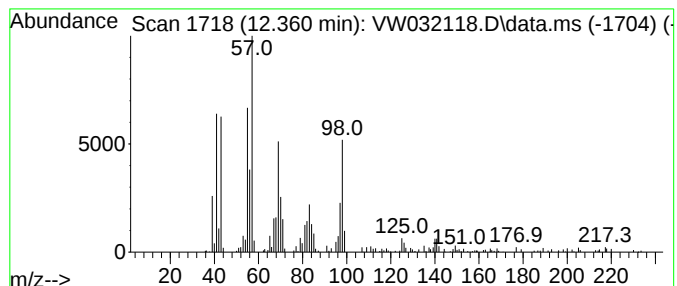
Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

Peak Number 1 2-Hexene, 4-methyl-, (E)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.361	42.26 ug/l	192166	Chlorobenzene-d5			11.635
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Hexene, 4-methyl-, (E)-		98	C7H14	003683-22-5	52
2	Cyclododecane		168	C12H24	000294-62-2	49
3	4-Heptafluorobutyroxytridecane		396	C17H27F7O2	1000245-49-6	46
4	Cyclopentane, 1-butyl-2-propyl-		168	C12H24	062199-50-2	46
5	Heptane, 3-ethyl-2-methyl-		142	C10H22	014676-29-0	46



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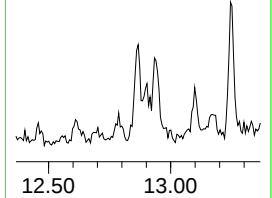
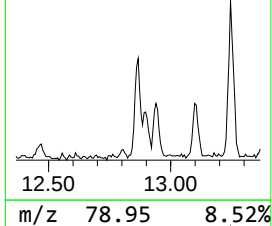
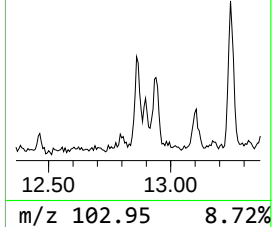
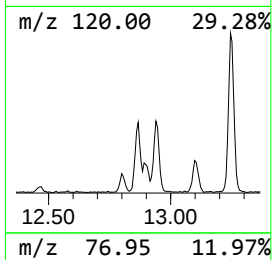
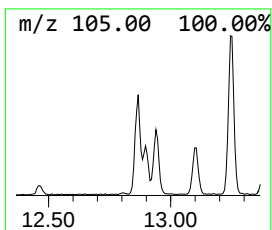
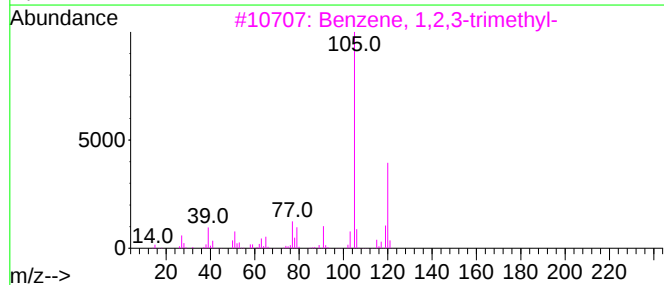
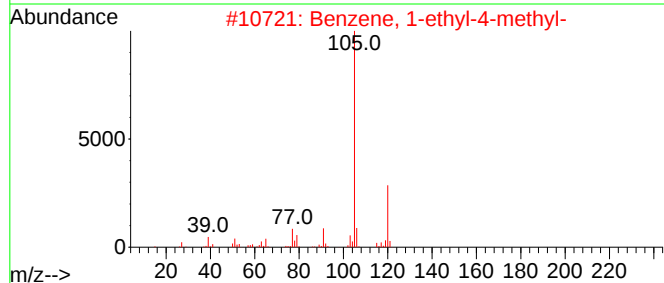
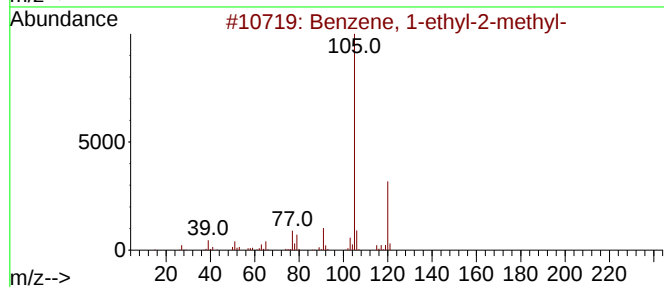
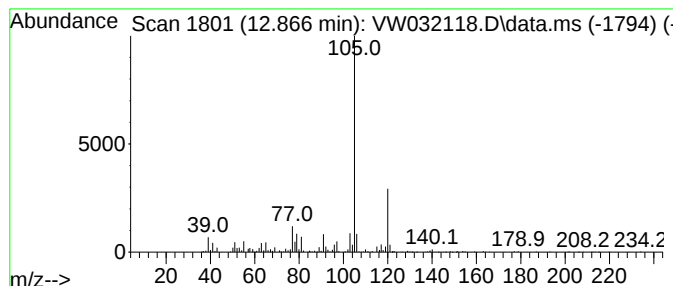
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.867	24.99 ug/l	223265	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81
3			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	81
4			Mesitylene	120	C9H12	000108-67-8	81
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	76



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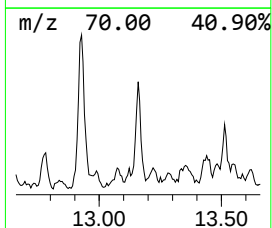
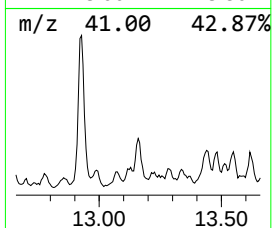
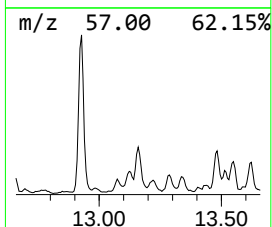
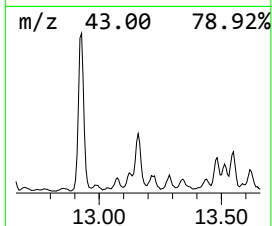
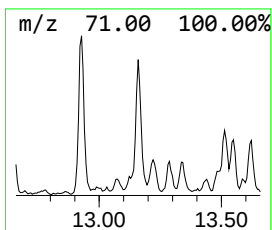
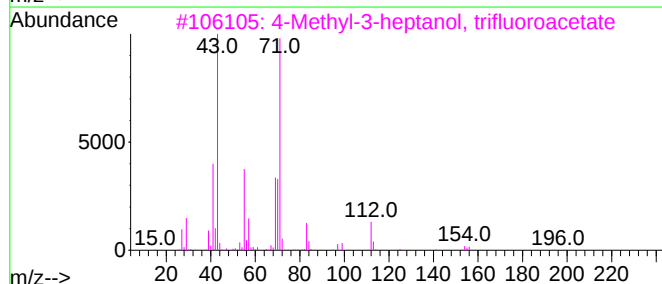
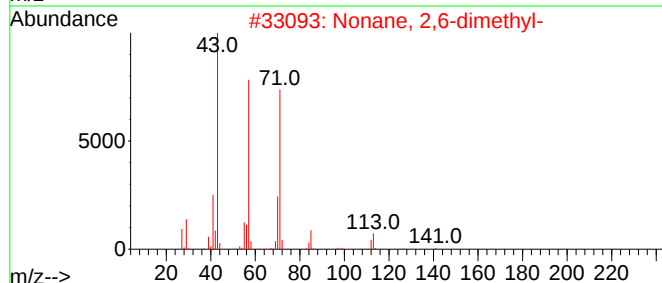
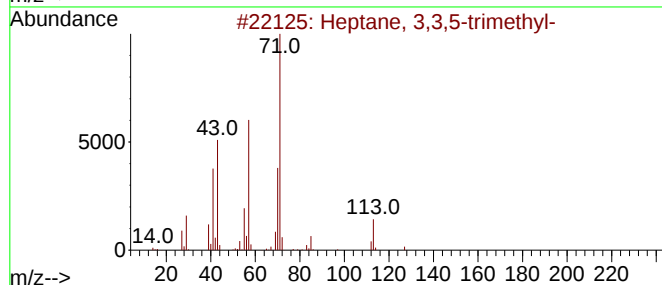
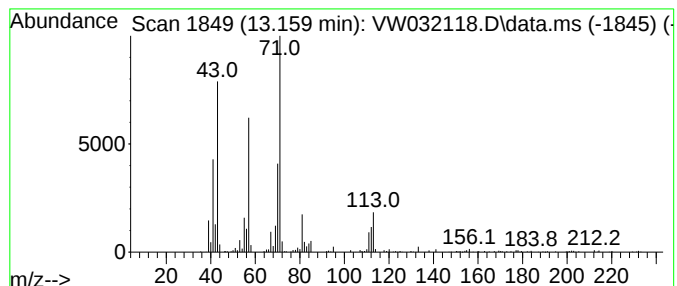
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Peak Number 3 Heptane, 3,3,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.159	22.10 ug/l	197404	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
2			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	62
3			4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	59
4			n-Amyl ether	158	C10H22O	000693-65-2	50
5			Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	47



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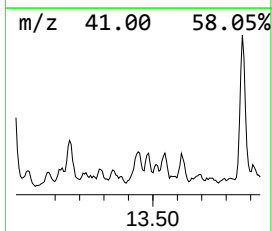
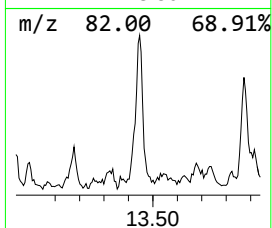
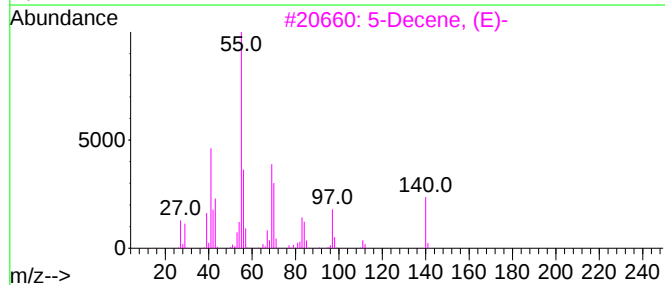
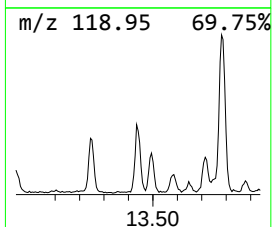
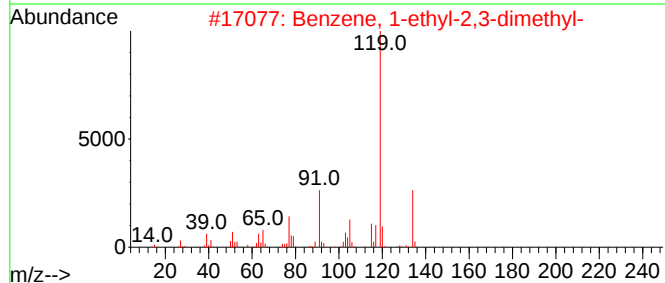
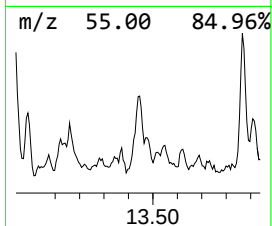
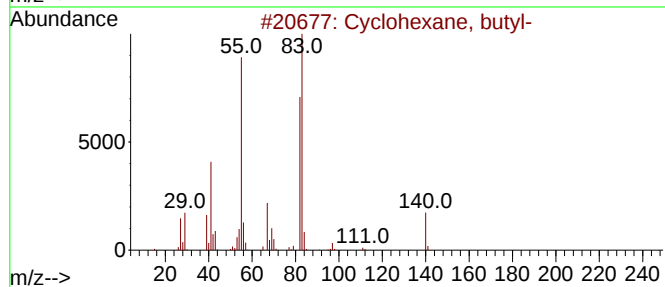
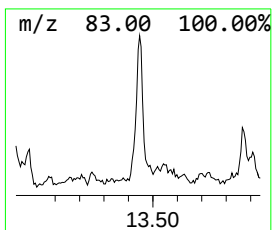
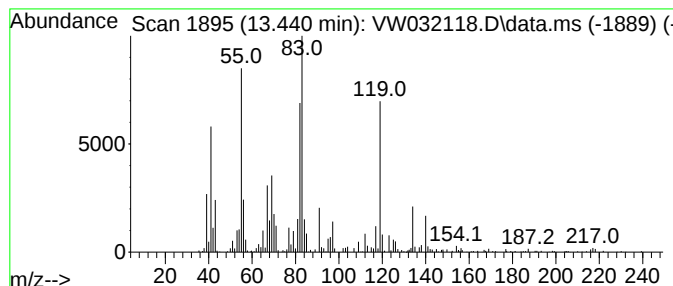
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Peak Number 4 Cyclohexane, butyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	26.25 ug/l	234475	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	58
2			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	25
3			5-Decene, (E)-	140	C10H20	007433-56-9	25
4			o-Cymene	134	C10H14	000527-84-4	25
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032118.D
Acq On : 22 Aug 2025 17:56
Operator : SY/MD
Sample : Q2926-01
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

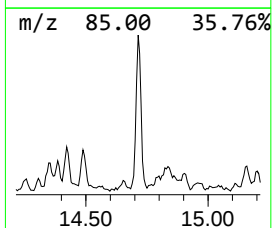
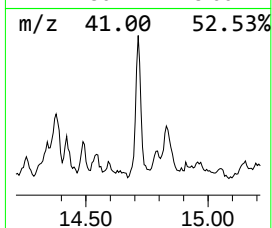
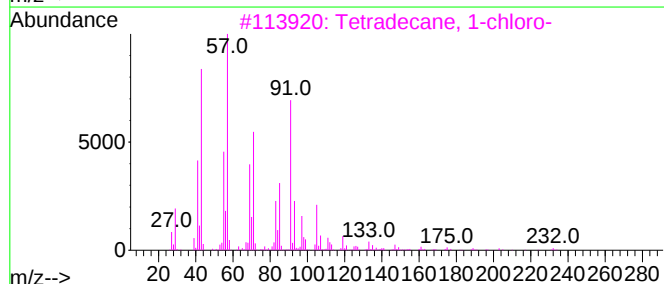
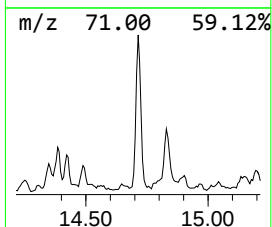
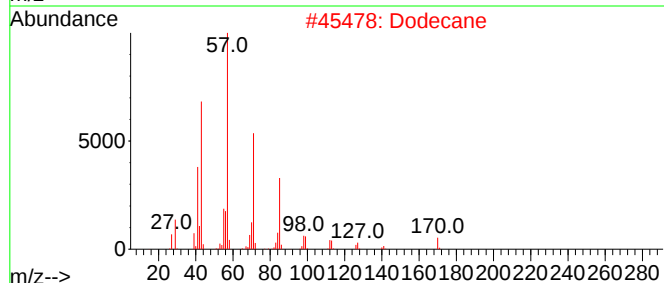
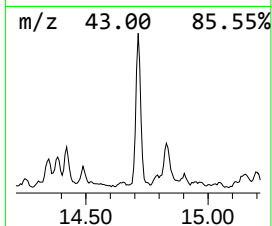
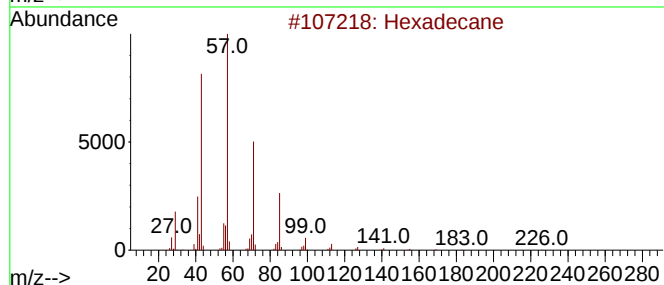
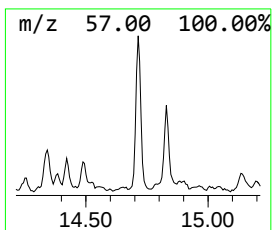
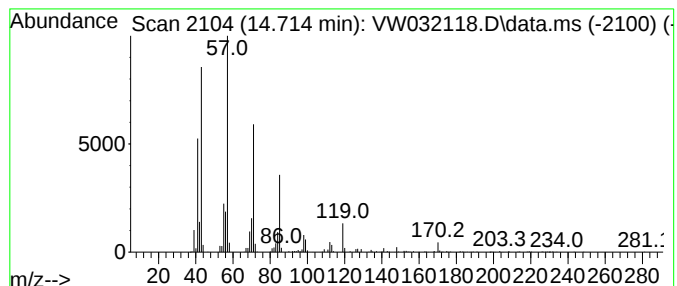
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Quant Title : SW846 8260

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

Peak Number 5 Hexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.714	42.38 ug/l	378628	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	93
2			Dodecane	170	C12H26	000112-40-3	91
3			Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	78
4			Tetradecane	198	C14H30	000629-59-4	72
5			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032118.D
Acq On : 22 Aug 2025 17:56
Operator : SY/MD
Sample : Q2926-01
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

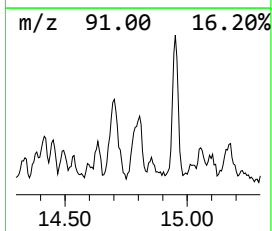
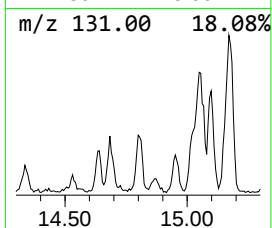
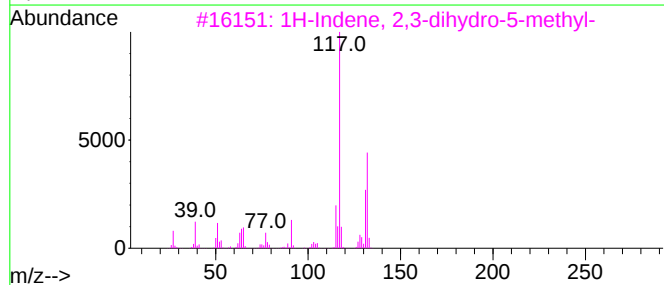
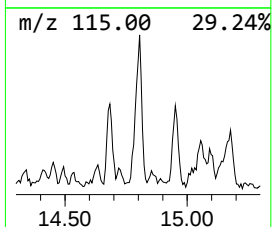
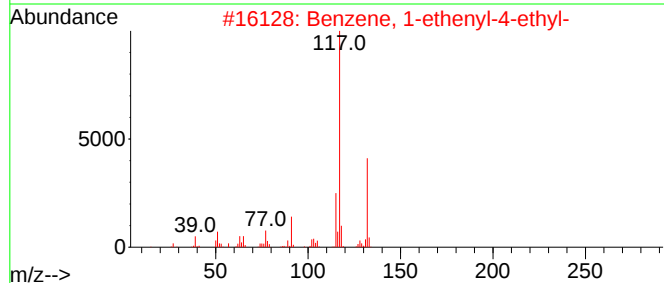
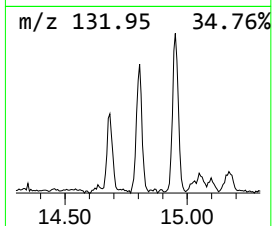
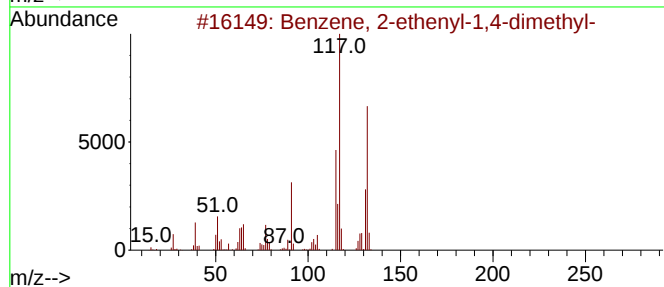
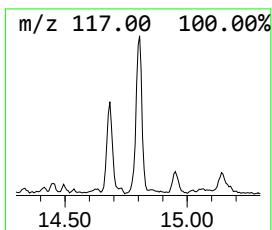
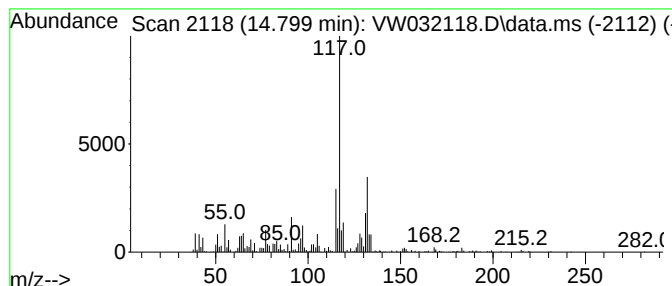
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.799	36.22 ug/l	323570	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032118.D
Acq On : 22 Aug 2025 17:56
Operator : SY/MD
Sample : Q2926-01
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

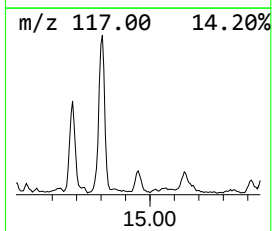
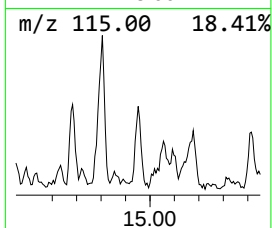
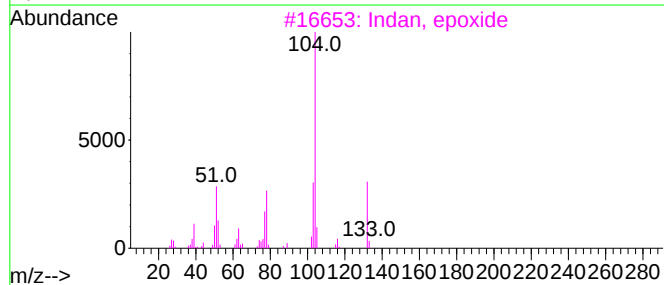
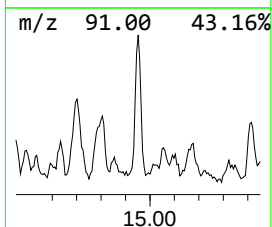
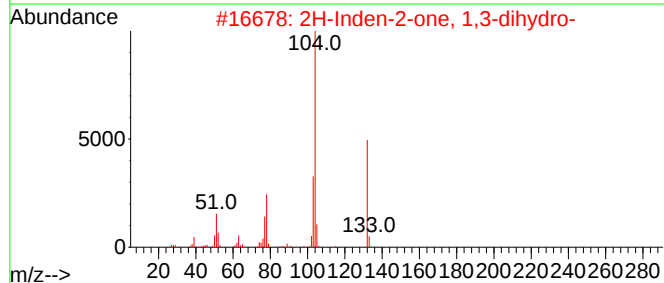
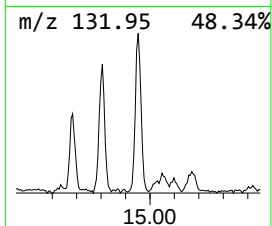
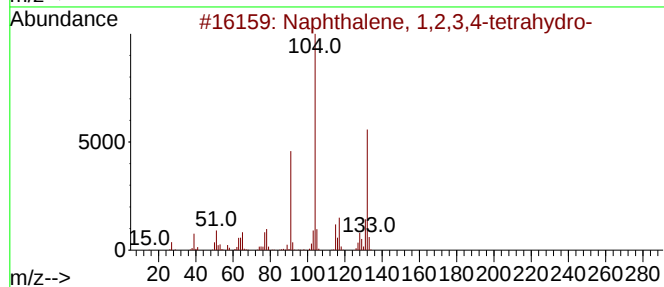
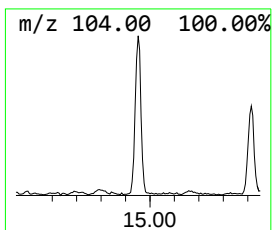
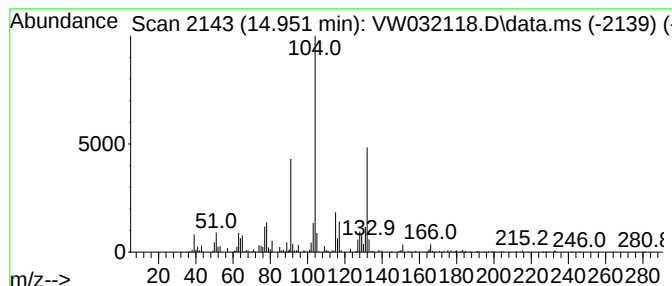
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Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.951	22.70 ug/l	202762	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2			2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58
3			Indan, epoxide	132	C9H8O	000768-22-9	58
4			Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	50
5			2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032118.D
Acq On : 22 Aug 2025 17:56
Operator : SY/MD
Sample : Q2926-01
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

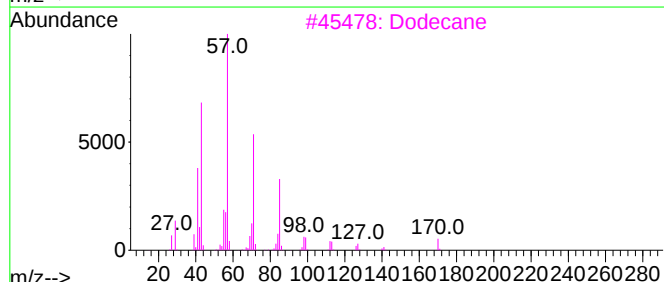
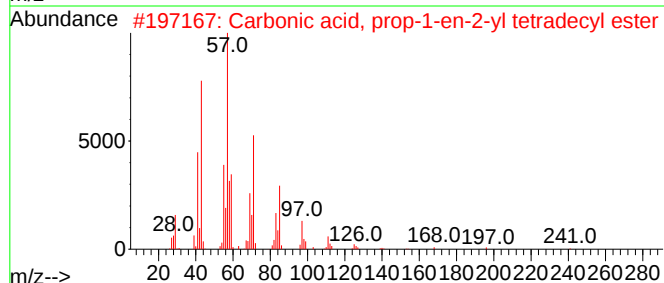
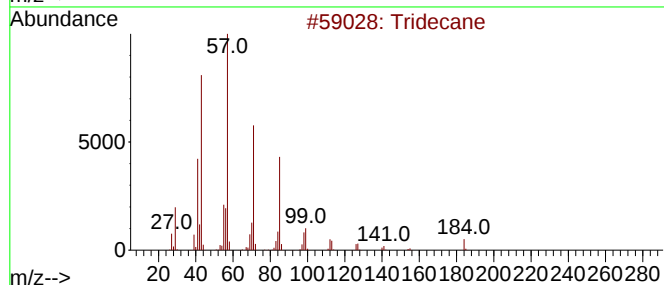
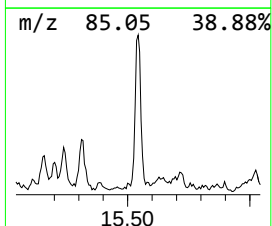
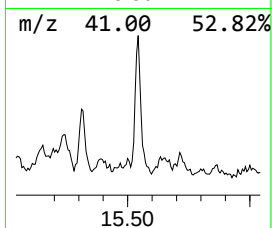
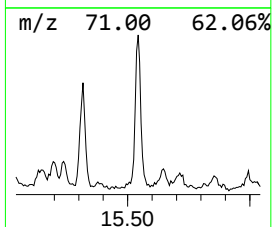
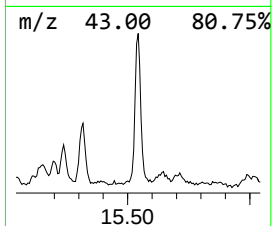
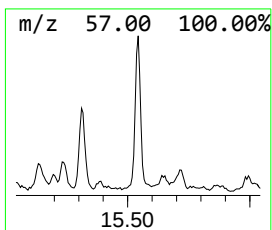
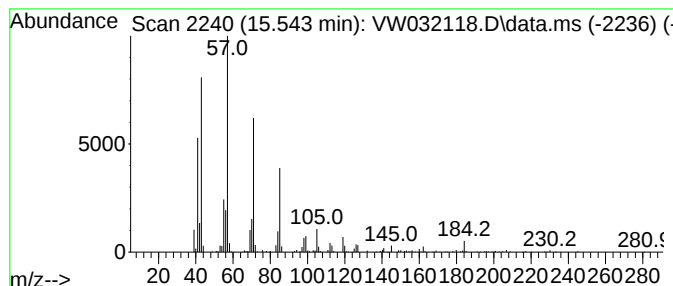
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Quant Title : SW846 8260

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

Peak Number 8 Tridecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.543	33.89 ug/l	302755	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	96
2			Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	80
3			Dodecane	170	C12H26	000112-40-3	80
4			Tetradecane	198	C14H30	000629-59-4	80
5			Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032118.D
Acq On : 22 Aug 2025 17:56
Operator : SY/MD
Sample : Q2926-01
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

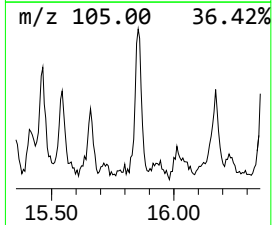
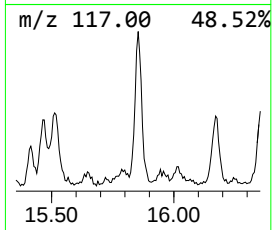
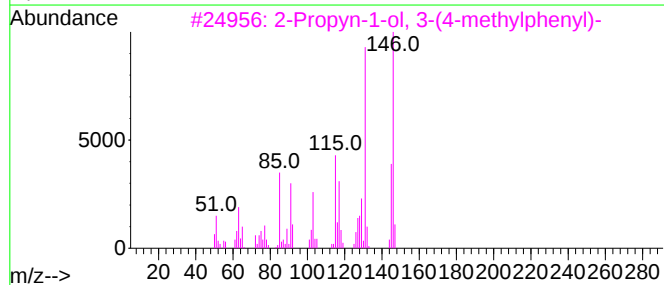
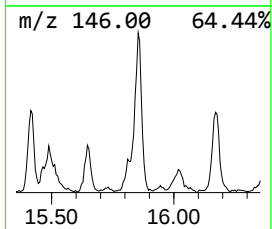
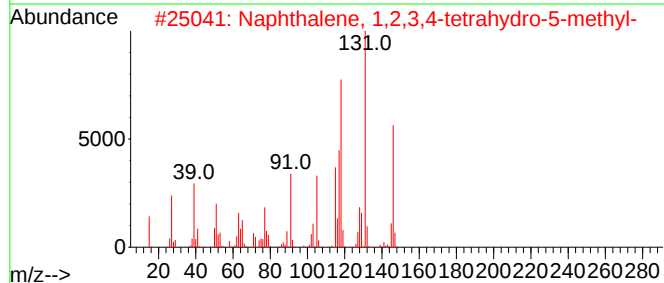
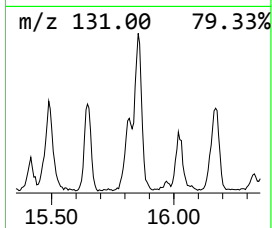
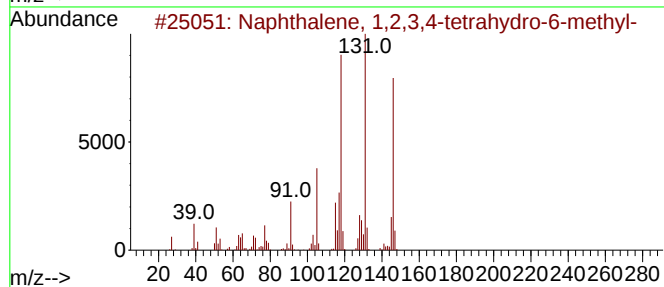
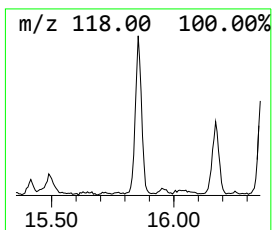
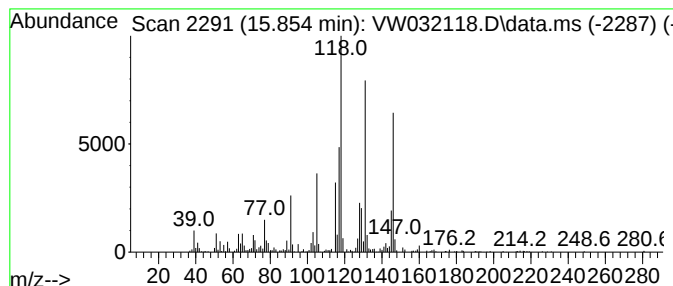
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.854	26.94 ug/l	240658	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	76
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	68
3			2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	49
4			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	46
5			2,3-Dihydro-1H-inden-5-ylacetic ...	176	C11H12O2	005453-98-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032118.D
Acq On : 22 Aug 2025 17:56
Operator : SY/MD
Sample : Q2926-01
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

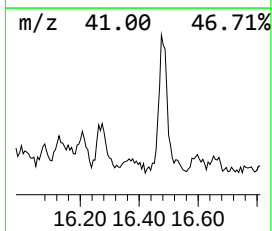
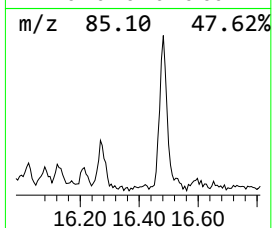
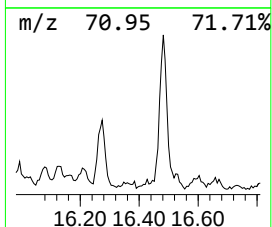
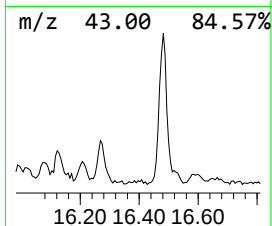
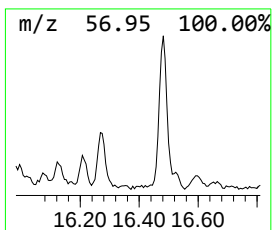
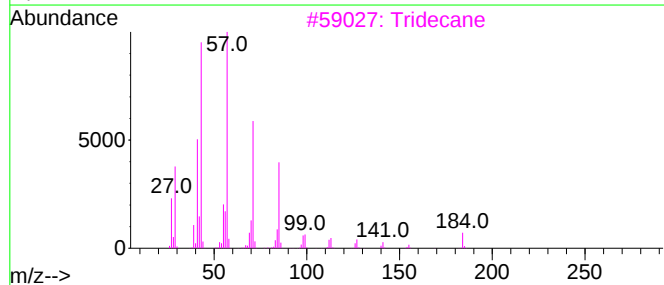
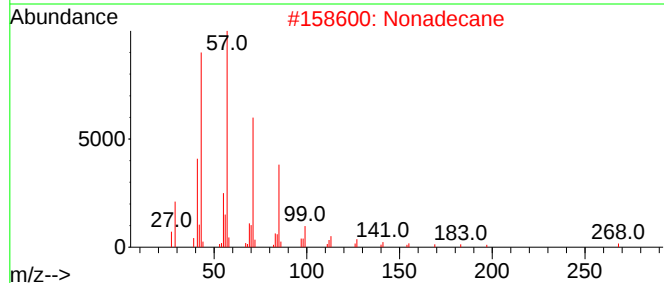
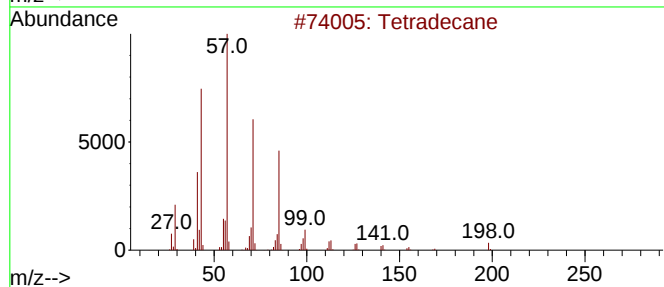
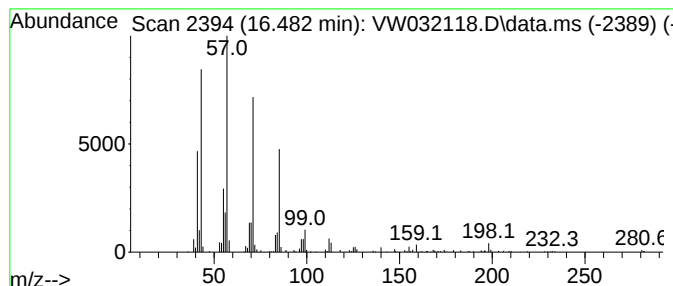
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Quant Title : SW846 8260

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

Peak Number 10 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.482	19.77 ug/l	176667	1,4-Dichlorobenzene-d4	13.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	96
2			Nonadecane	268	C19H40	000629-92-5	87
3			Tridecane	184	C13H28	000629-50-5	86
4			Pentadecane	212	C15H32	000629-62-9	86
5			Heptadecane	240	C17H36	000629-78-7	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
Data File : VW032118.D
Acq On : 22 Aug 2025 17:56
Operator : SY/MD
Sample : Q2926-01
Misc : 5.00g/5mL/MSVOA_W/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TR-04-08212025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.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...	12.867	25.0	ug/l	223265	4	13.555	446693	50.0
Heptane, 3,3,5-...	13.159	22.1	ug/l	197404	4	13.555	446693	50.0
Cyclohexane, bu...	13.440	26.3	ug/l	234475	4	13.555	446693	50.0
Hexadecane	14.714	42.4	ug/l	378628	4	13.555	446693	50.0
Benzene, 2-ethe...	14.799	36.2	ug/l	323570	4	13.555	446693	50.0
Naphthalene, 1,...	14.951	22.7	ug/l	202762	4	13.555	446693	50.0
Tridecane	15.543	33.9	ug/l	302755	4	13.555	446693	50.0
Naphthalene, 1,...	15.854	26.9	ug/l	240658	4	13.555	446693	50.0
Tetradecane	16.482	19.8	ug/l	176667	4	13.555	446693	50.0