

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023344.D
 Acq On : 11 Sep 2025 12:57
 Operator : SY/MD
 Sample : Q3075-10
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-02563

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\82Y090825S.M
 Title : SW846 8260

Signal : TIC: VY023344.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	463	476	486	rBV3	17533	54955	1.71%	0.209%
2	7.634	961	970	976	rBV	476743	1124673	34.90%	4.285%
3	7.713	976	983	998	rVB	654224	1528839	47.44%	5.824%
4	8.061	1031	1040	1052	rBV	371484	833593	25.86%	3.176%
5	8.616	1122	1131	1148	rBV	1184556	2309619	71.66%	8.799%
6	10.109	1368	1376	1382	rBV	1905812	3222868	100.00%	12.278%
7	10.170	1382	1386	1394	rVB	106181	188159	5.84%	0.717%
8	10.298	1399	1407	1413	rVB8	15380	35752	1.11%	0.136%
9	10.445	1426	1431	1437	rVB3	18699	33722	1.05%	0.128%
10	10.542	1437	1447	1456	rBV8	25869	72507	2.25%	0.276%
11	10.731	1472	1478	1483	rVB	20350	34911	1.08%	0.133%
12	10.804	1483	1490	1492	rBV2	19741	34373	1.07%	0.131%
13	10.841	1492	1496	1500	rVV5	26220	54414	1.69%	0.207%
14	10.896	1500	1505	1509	rVV5	33244	72460	2.25%	0.276%
15	10.963	1513	1516	1520	rVV	42206	62947	1.95%	0.240%
16	11.018	1520	1525	1530	rVB2	55107	97351	3.02%	0.371%
17	11.133	1537	1544	1547	rBV4	23019	41643	1.29%	0.159%
18	11.213	1548	1557	1567	rVB4	91507	241173	7.48%	0.919%
19	11.310	1567	1573	1578	rBV	61801	103721	3.22%	0.395%
20	11.414	1583	1590	1602	rBV	1753967	2799644	86.87%	10.665%
21	11.554	1609	1613	1616	rVB	36316	47589	1.48%	0.181%
22	11.639	1616	1627	1629	rBV6	102824	290050	9.00%	1.105%
23	11.706	1635	1638	1643	rVB3	51612	77434	2.40%	0.295%
24	11.926	1667	1674	1677	rBV3	70903	162172	5.03%	0.618%
25	12.127	1703	1707	1710	rVV2	33961	55880	1.73%	0.213%
26	12.170	1710	1714	1723	rVV4	36207	85619	2.66%	0.326%
27	12.249	1724	1727	1733	rVB4	19192	33165	1.03%	0.126%
28	12.408	1746	1753	1764	rBV	1200107	1917568	59.50%	7.305%
29	12.566	1775	1779	1786	rVB5	39810	80811	2.51%	0.308%
30	12.651	1786	1793	1797	rBV4	44483	102774	3.19%	0.392%
31	12.731	1800	1806	1811	rVV4	85241	165702	5.14%	0.631%
32	12.779	1812	1814	1818	rVB4	25185	33455	1.04%	0.127%
33	12.962	1840	1844	1851	rVB2	71008	126772	3.93%	0.483%
34	13.048	1853	1858	1861	rBV6	38928	68644	2.13%	0.262%
35	13.090	1862	1865	1867	rBV3	22363	33759	1.05%	0.129%
36	13.218	1882	1886	1887	rBV4	44179	62169	1.93%	0.237%

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Peak Location: TOP

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

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37	13.346	1900	1907	1915	rBV	1217903	1922869	59.66%	7.325%
38	13.487	1925	1930	1934	rVB5	61280	101391	3.15%	0.386%
39	13.529	1934	1937	1945	rBV8	29242	63809	1.98%	0.243%
40	13.663	1953	1959	1964	rBV3	295098	549312	17.04%	2.093%
41	13.834	1984	1987	1991	rBV4	59488	104390	3.24%	0.398%
42	13.999	2009	2014	2018	rBV2	117720	222705	6.91%	0.848%
43	14.060	2018	2024	2029	rVV8	115093	314882	9.77%	1.200%
44	14.115	2030	2033	2037	rVV5	69214	106465	3.30%	0.406%
45	14.169	2037	2042	2058	rVV5	366987	1152058	35.75%	4.389%
46	14.304	2058	2064	2066	rBV3	160112	288769	8.96%	1.100%
47	14.334	2066	2069	2074	rVV3	360590	575089	17.84%	2.191%
48	14.389	2074	2078	2086	rVB8	130643	317322	9.85%	1.209%
49	14.535	2099	2102	2105	rVB4	78879	94501	2.93%	0.360%
50	14.602	2107	2113	2116	rVV7	178631	396260	12.30%	1.510%
51	14.645	2116	2120	2126	rVB4	333375	565902	17.56%	2.156%
52	14.761	2136	2139	2141	rBV3	154637	214845	6.67%	0.818%
53	14.785	2141	2143	2147	rVB2	243727	313112	9.72%	1.193%
54	14.852	2151	2154	2158	rVB	262305	386354	11.99%	1.472%
55	14.913	2160	2164	2166	rBV	152413	226923	7.04%	0.864%
56	15.181	2203	2208	2215	rBV7	231986	653195	20.27%	2.488%
57	15.346	2231	2235	2239	rBV4	180458	357682	11.10%	1.363%
58	16.352	2396	2400	2415	rVB4	398516	1031053	31.99%	3.928%

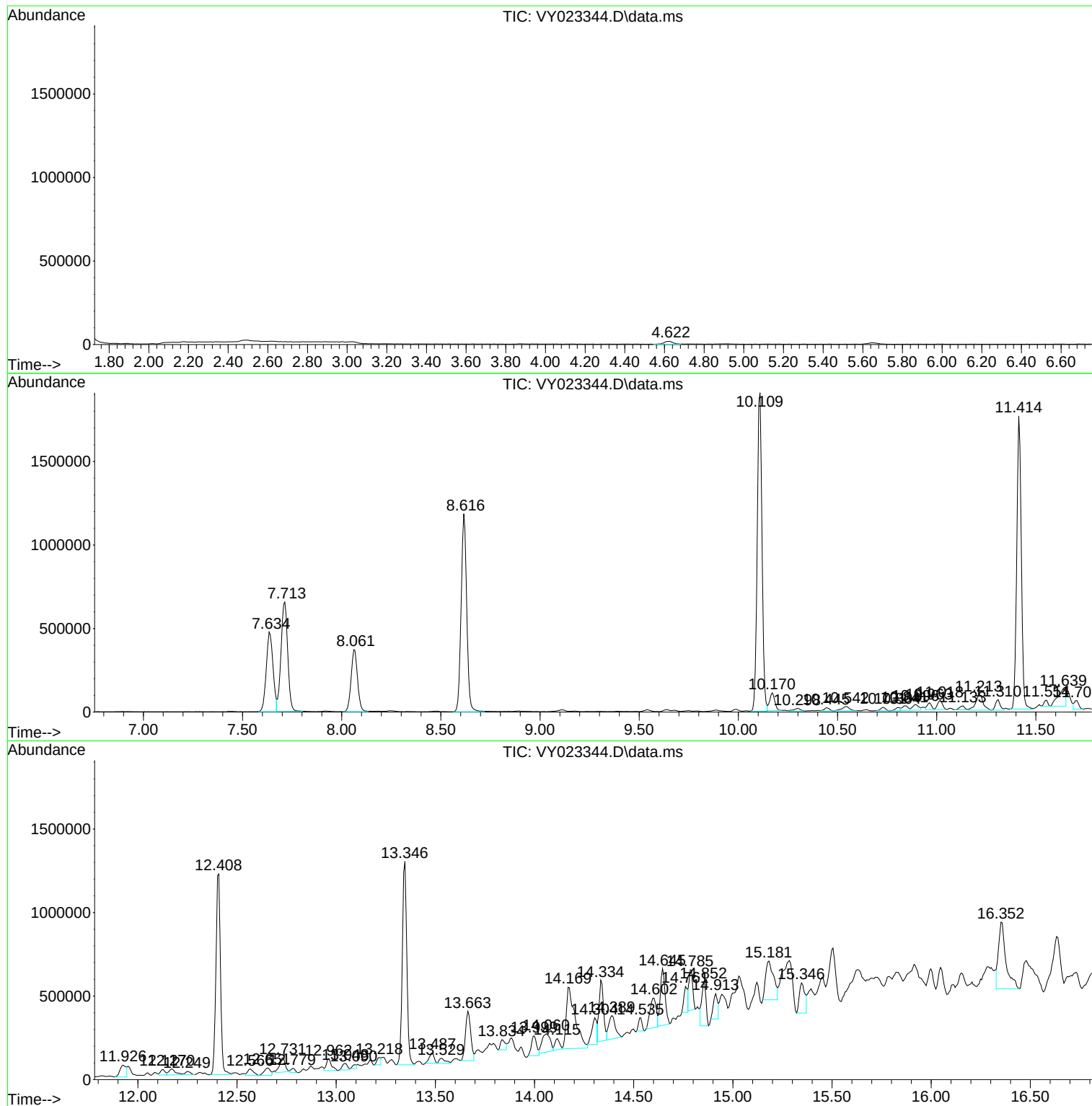
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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MOO-25-02563

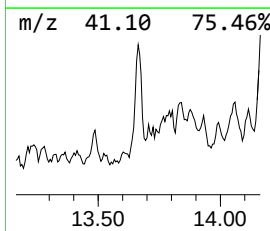
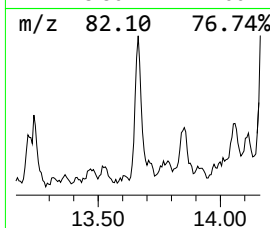
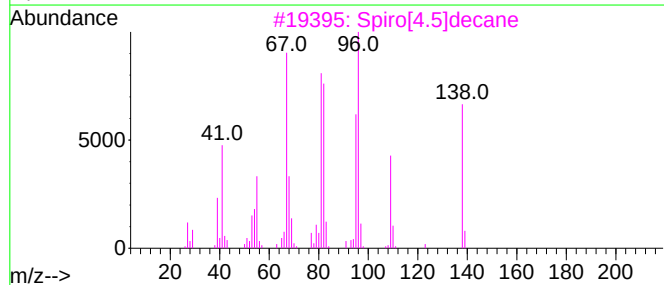
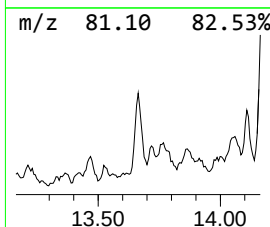
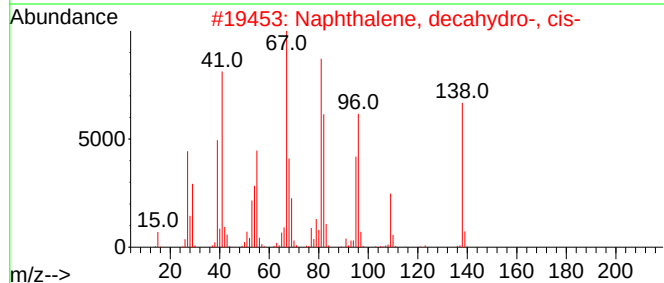
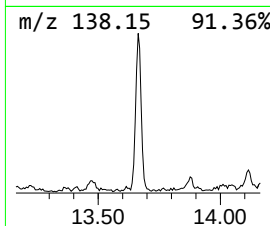
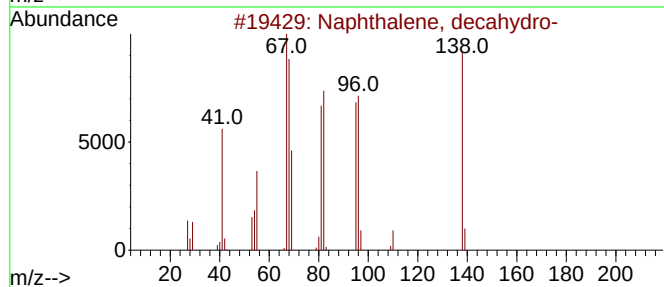
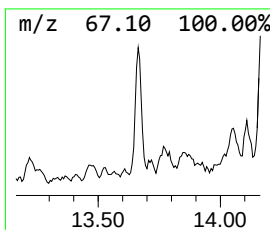
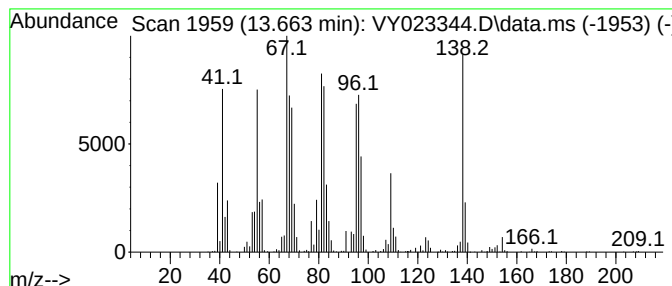
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

Peak Number 1 Naphthalene, decahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	14.28 ug/l	549312	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	93
2			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
3			Spiro[4.5]decane	138	C10H18	000176-63-6	80
4			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	76
5			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	60



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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
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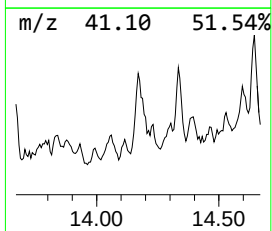
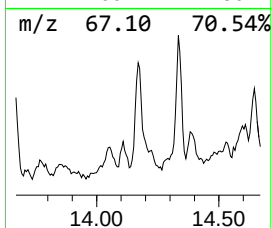
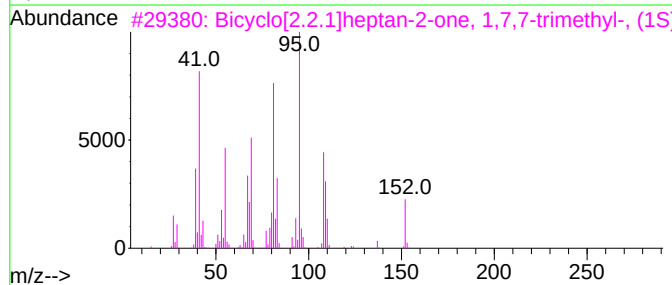
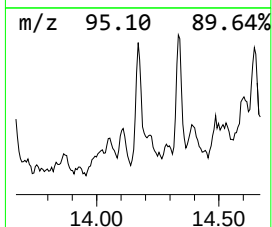
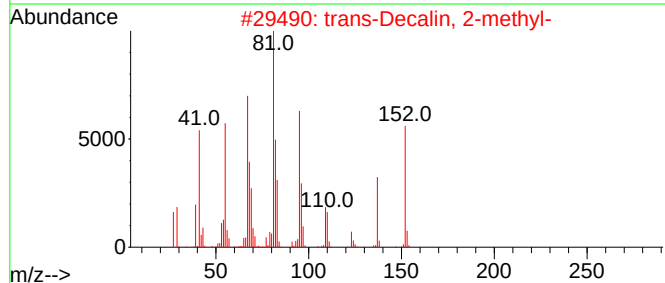
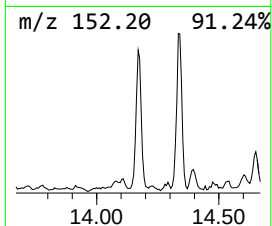
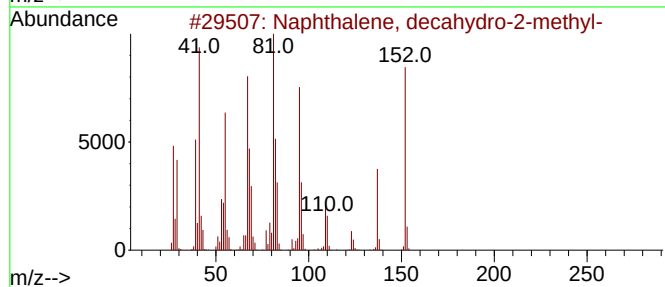
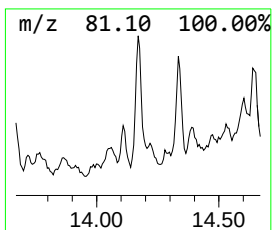
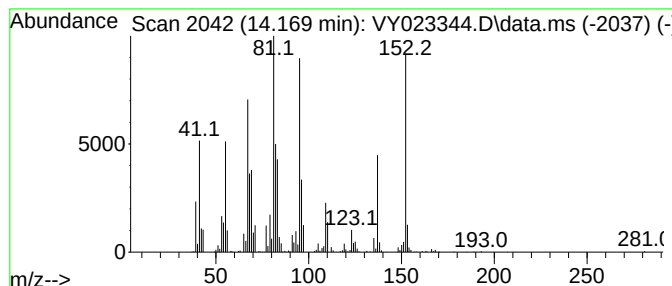
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	29.96 ug/l	1152060	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	96
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
3			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	89
4			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	78
5			Pulegone	152	C10H16O	000089-82-7	53



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Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

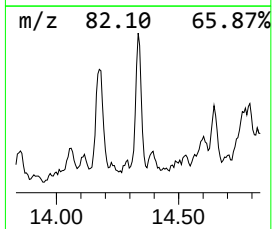
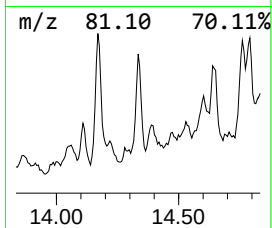
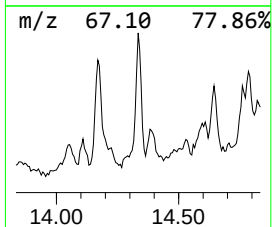
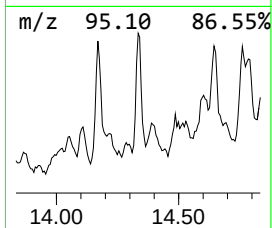
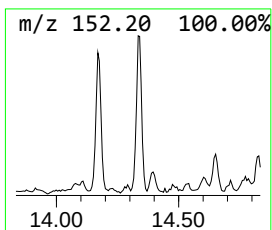
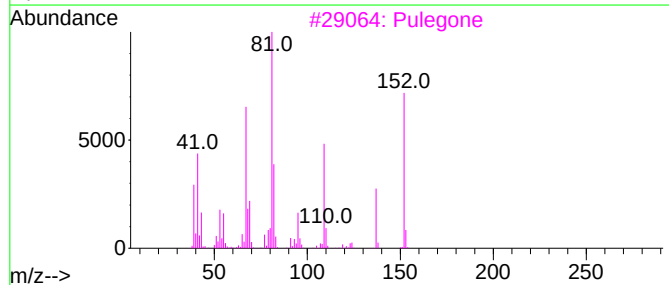
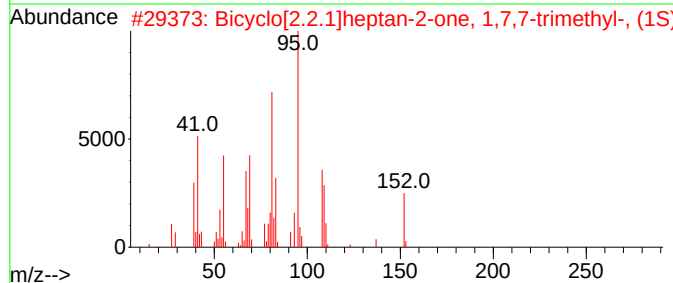
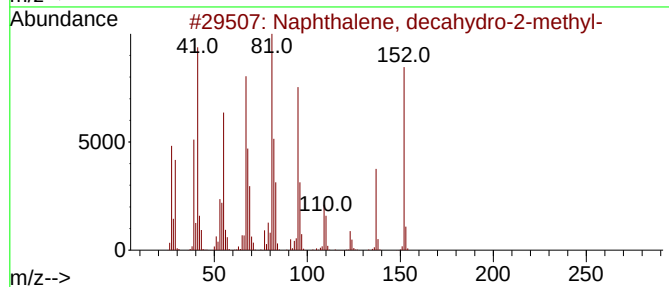
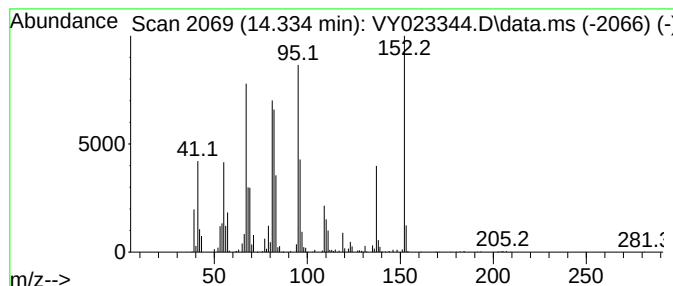
Instrument :
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TIC Library : C:\Database\NIST20.L
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Peak Number 3 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.334	14.95 ug/l	575089	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	76
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	70
3	Pulegone	152	C10H16O	000089-82-7	62
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	58
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	52



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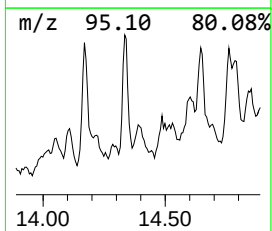
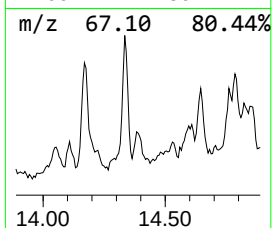
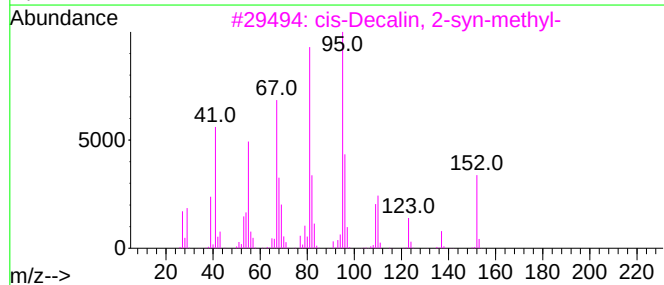
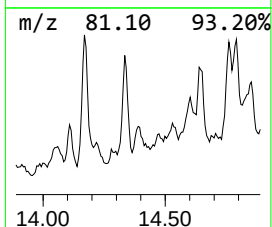
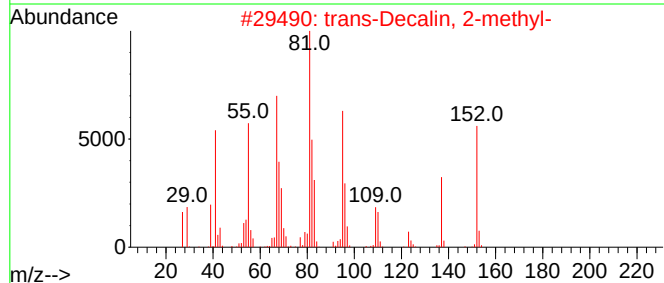
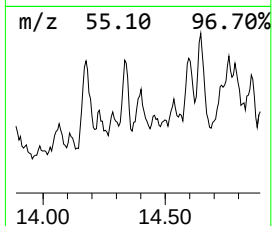
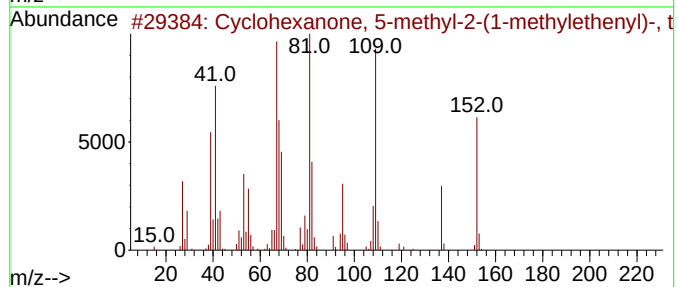
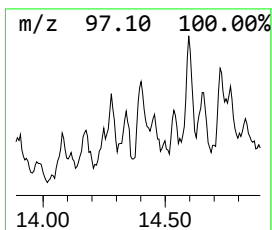
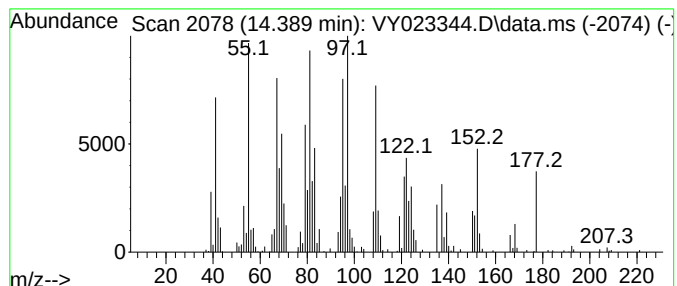
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclohexanone, 5-methyl-2-(... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.389	8.25 ug/l	317322	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	029606-79-9	90
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	55
3			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	55
4			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	49
5			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	46



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MOO-25-02563

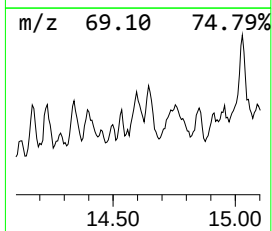
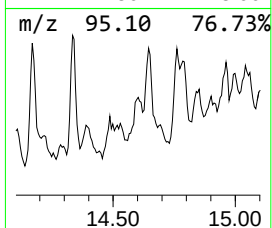
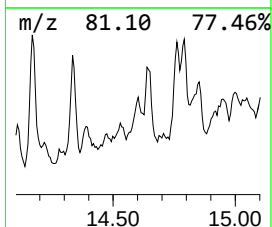
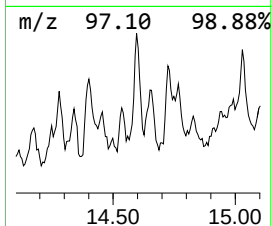
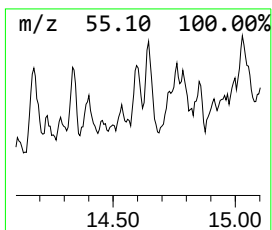
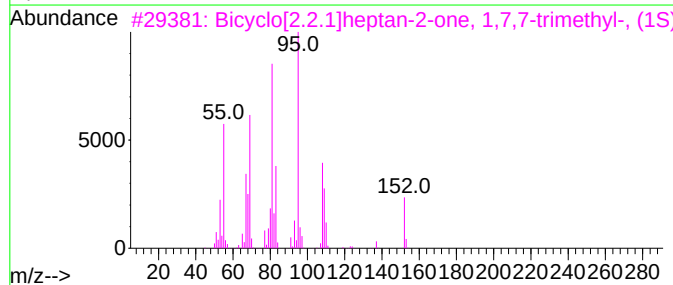
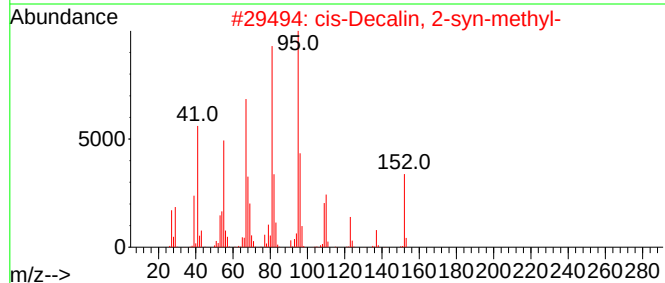
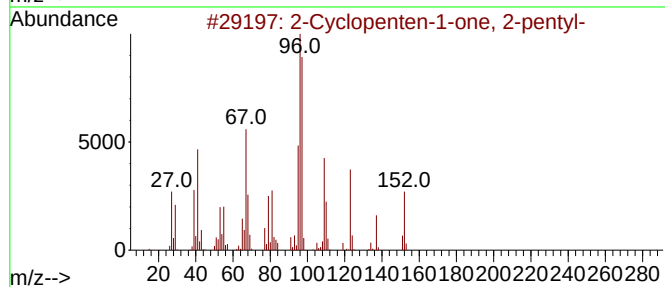
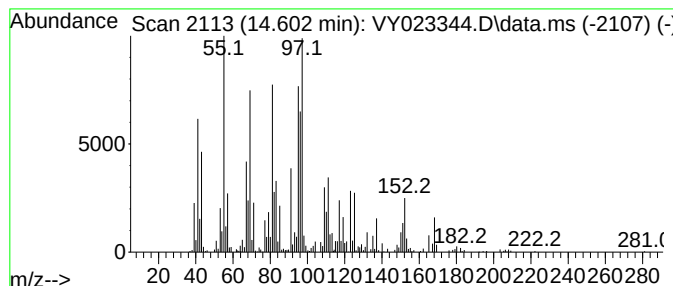
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Quant Title : SW846 8260

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

Peak Number 5 unknown14.602 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	10.30 ug/l	396260	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Cyclopenten-1-one, 2-pentyl-	152	C10H16O	025564-22-1	47
2			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	46
3			Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	42
4			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	41
5			Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
Data File : VY023344.D
Acq On : 11 Sep 2025 12:57
Operator : SY/MD
Sample : Q3075-10
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

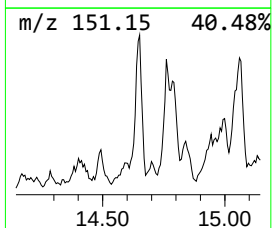
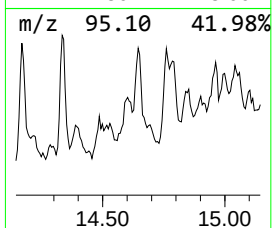
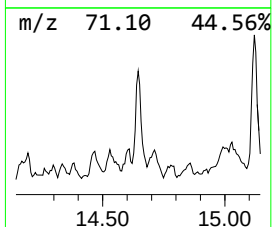
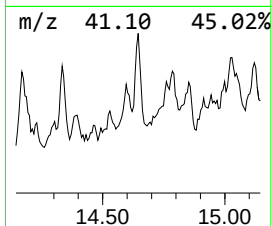
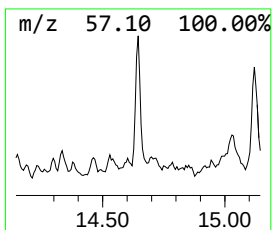
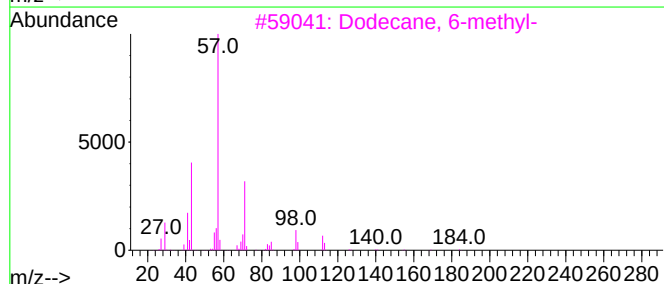
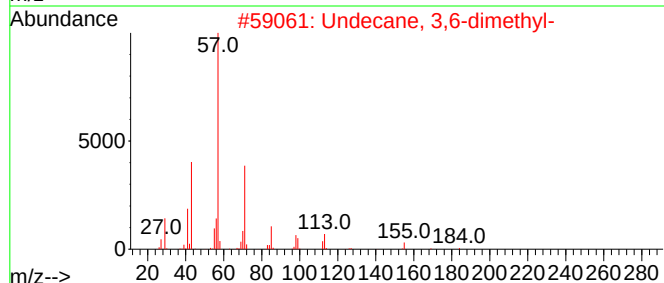
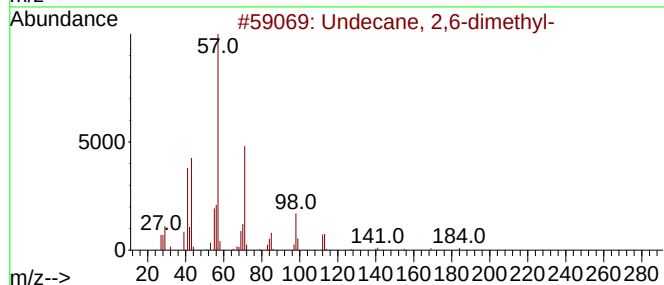
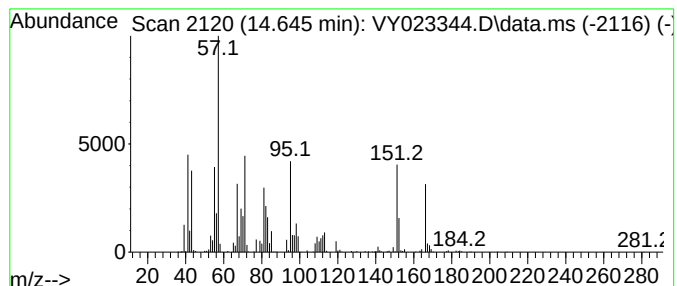
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ClientSampleId :
MOO-25-02563

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

Peak Number 6 Undecane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.645	14.72 ug/l	565902	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	64
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	35
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	18
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	15
5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
Data File : VY023344.D
Acq On : 11 Sep 2025 12:57
Operator : SY/MD
Sample : Q3075-10
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-02563

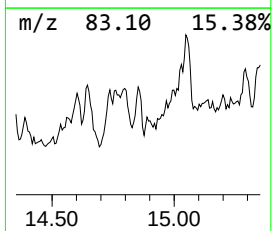
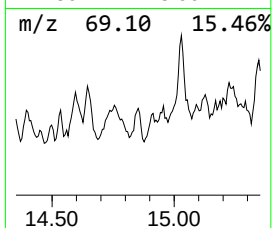
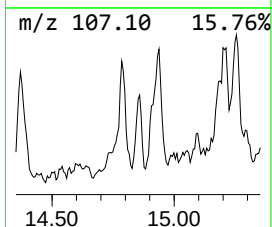
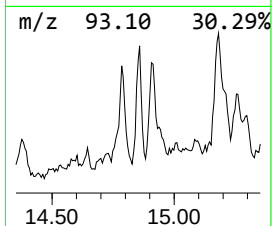
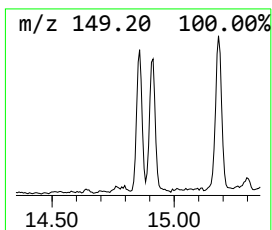
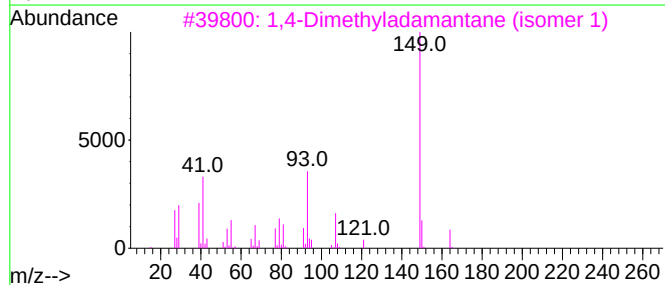
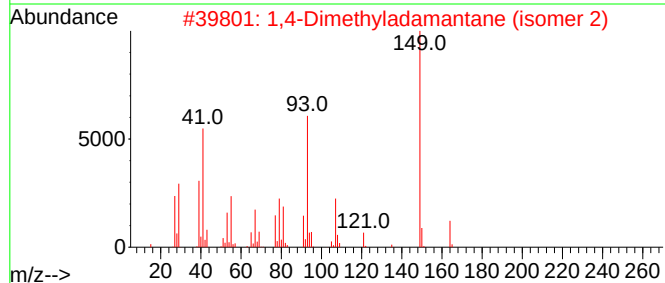
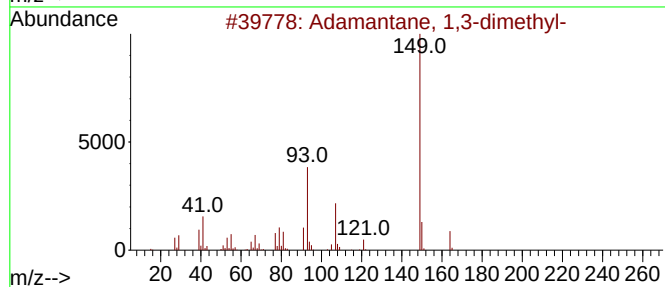
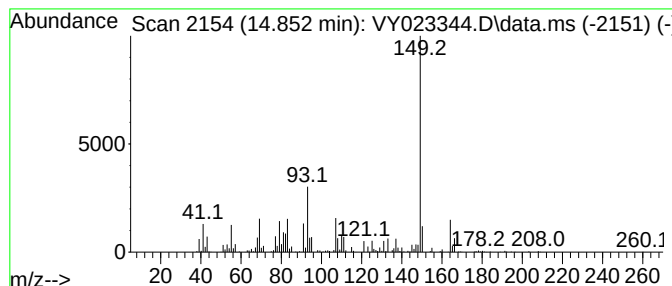
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Quant Title : SW846 8260

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

Peak Number 7 Adamantane, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.852	10.05 ug/l	386354	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	81
2			1,4-Dimethyladamantane (isomer 2)	164	C12H20	1000460-67-1	81
3			1,4-Dimethyladamantane (isomer 1)	164	C12H20	1000460-67-0	81
4			3-Methyl-1-adamantanecarboxylic ...	194	C12H18O2	1000504-38-9	64
5			Pyridine, pentamethyl-	149	C10H15N	003748-83-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
Data File : VY023344.D
Acq On : 11 Sep 2025 12:57
Operator : SY/MD
Sample : Q3075-10
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-02563

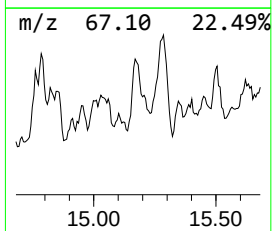
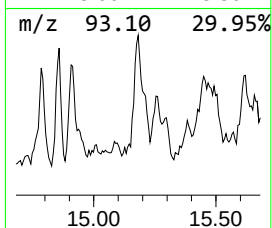
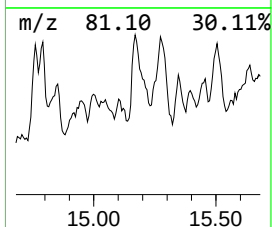
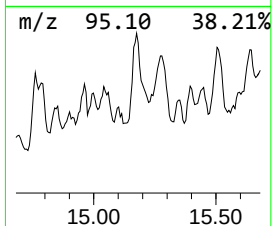
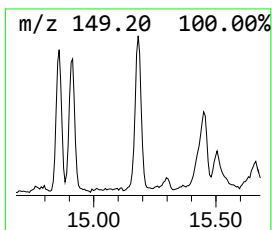
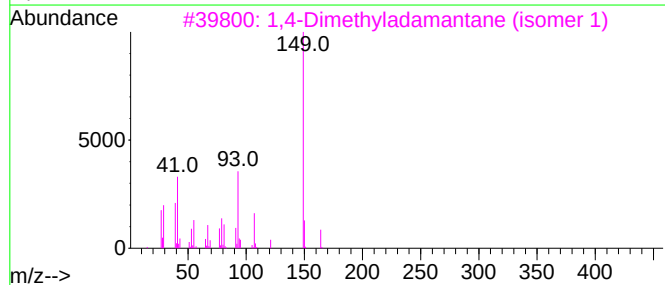
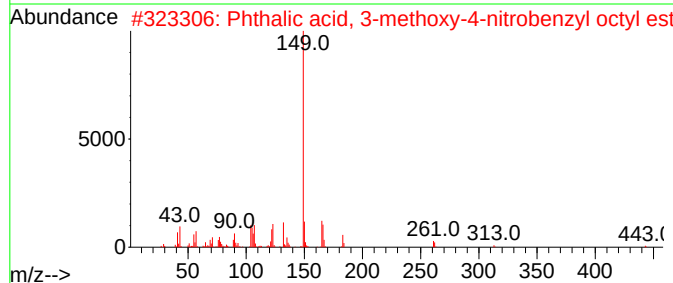
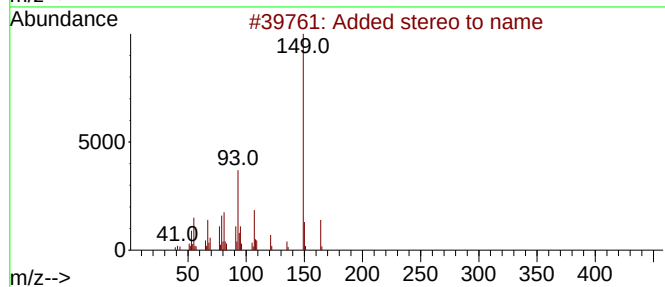
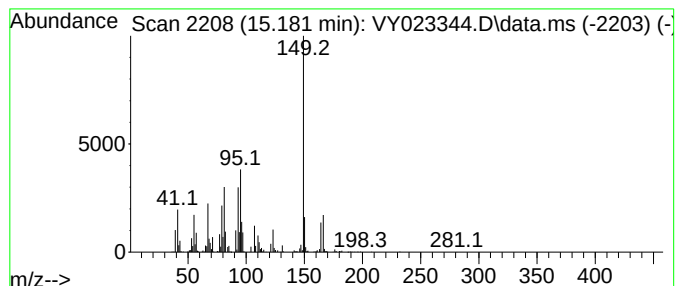
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Quant Title : SW846 8260

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

Peak Number 8 unknown15.182 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.182	16.98 ug/l	653195	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Added stereo to name			164	C12H20	024145-89-9	60
2	Phthalic acid, 3-methoxy-4-nitro...			443	C24H29NO7	1000382-53-6	47
3	1,4-Dimethyladamantane (isomer 1)			164	C12H20	1000460-67-0	46
4	Adamantane, 1,3-dimethyl-			164	C12H20	000702-79-4	43
5	Phthalic acid, 3-methoxy-4-nitro...			373	C19H19NO7	1000382-53-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
Data File : VY023344.D
Acq On : 11 Sep 2025 12:57
Operator : SY/MD
Sample : Q3075-10
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-02563

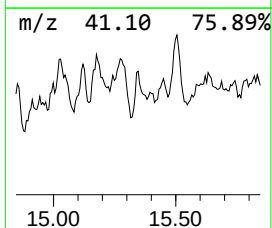
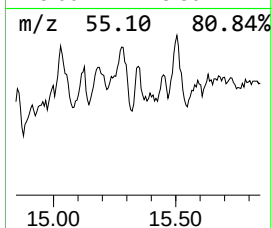
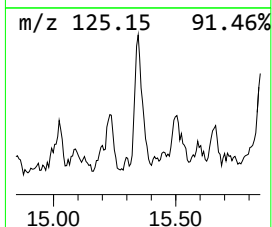
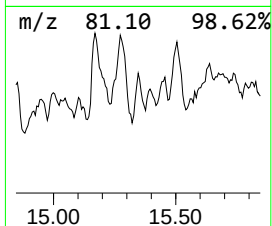
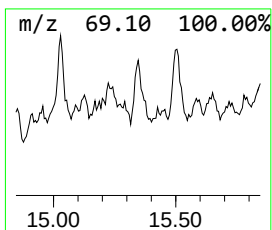
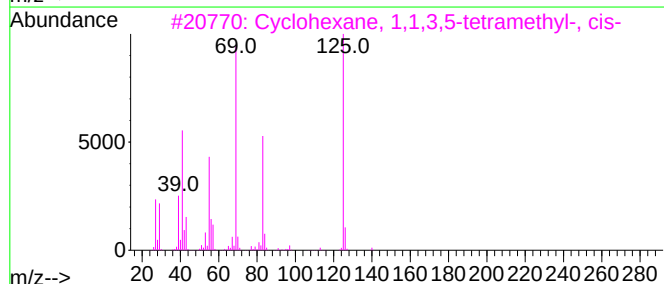
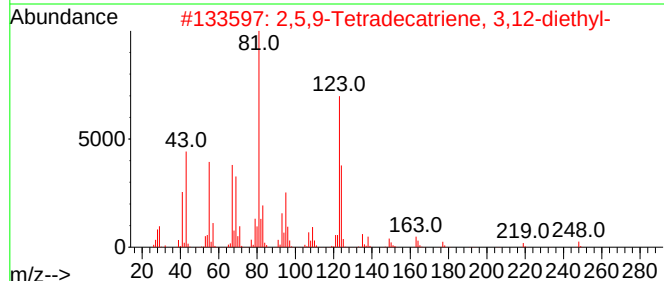
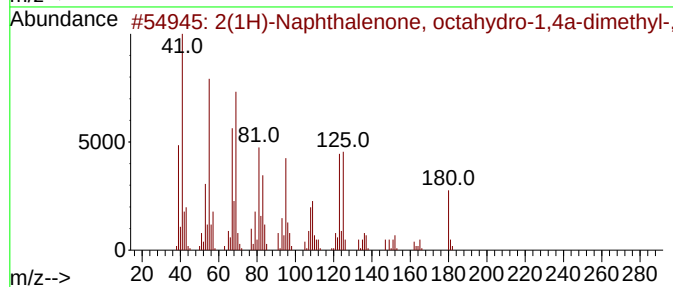
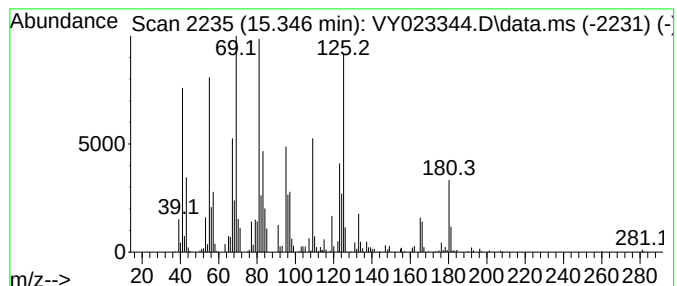
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Quant Title : SW846 8260

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

Peak Number 9 unknown15.346 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.346	9.30 ug/l	357682	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-1...	180	C12H20O	022738-31-4	49		
2	2,5,9-Tetradecatriene, 3,12-diet...	248	C18H32	074685-87-3	27		
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	25		
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	22		
5	Cyclohexane, (1-methylethylidene)-	124	C9H16	005749-72-4	18		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
Data File : VY023344.D
Acq On : 11 Sep 2025 12:57
Operator : SY/MD
Sample : Q3075-10
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-02563

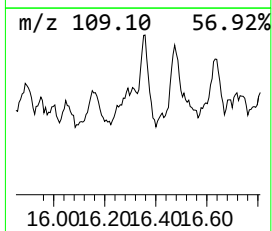
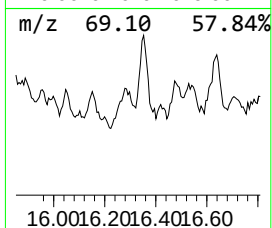
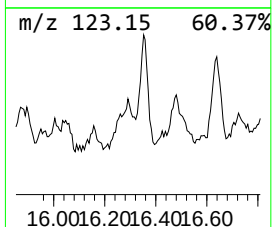
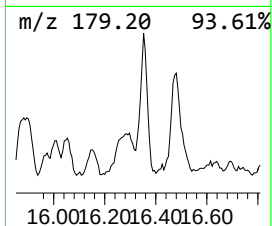
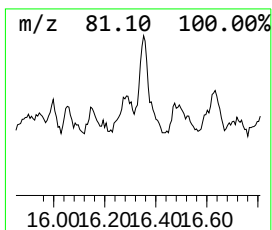
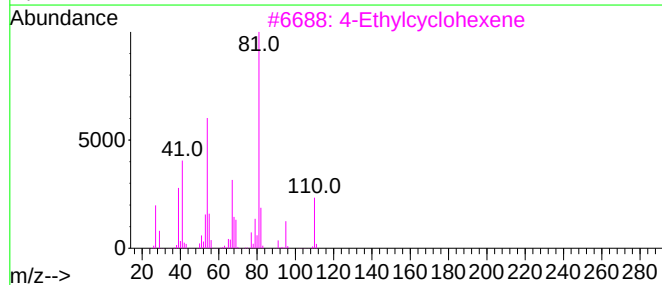
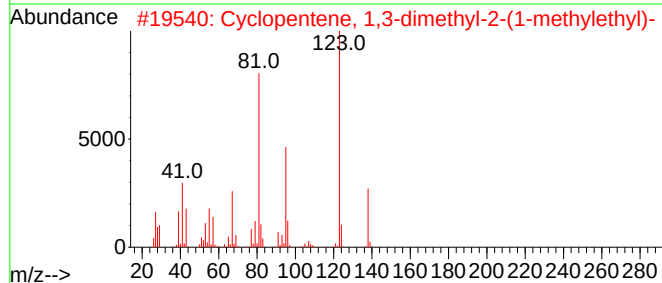
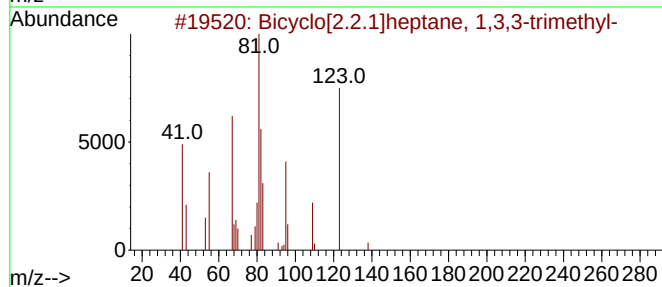
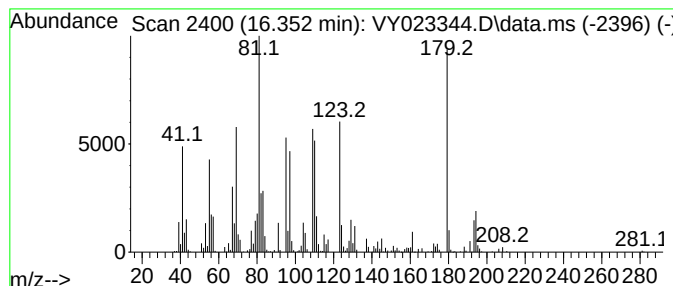
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Quant Title : SW846 8260

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

Peak Number 10 unknown16.352 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.352	26.81 ug/l	1031050	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	38
2			Cyclopentene, 1,3-dimethyl-2-(1-...	138	C10H18	061142-32-3	30
3			4-Ethylcyclohexene	110	C8H14	003742-42-5	22
4			di-t-Butylacetylene	138	C10H18	017530-24-4	22
5			1H-Imidazole, 2-ethyl-4-methyl-	110	C6H10N2	000931-36-2	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
Data File : VY023344.D
Acq On : 11 Sep 2025 12:57
Operator : SY/MD
Sample : Q3075-10
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-02563

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.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
Naphthalene, de...	13.664	14.3	ug/l	549312	4	13.346	1922870	50.0
Naphthalene, de...	14.169	30.0	ug/l	1152060	4	13.346	1922870	50.0
Bicyclo[2.2.1]h...	14.334	14.9	ug/l	575089	4	13.346	1922870	50.0
Cyclohexanone, ...	14.389	8.3	ug/l	317322	4	13.346	1922870	50.0
unknown14.602	14.602	10.3	ug/l	396260	4	13.346	1922870	50.0
Undecane, 2,6-d...	14.645	14.7	ug/l	565902	4	13.346	1922870	50.0
Adamantane, 1,3...	14.852	10.1	ug/l	386354	4	13.346	1922870	50.0
unknown15.182	15.182	17.0	ug/l	653195	4	13.346	1922870	50.0
unknown15.346	15.346	9.3	ug/l	357682	4	13.346	1922870	50.0
unknown16.352	16.352	26.8	ug/l	1031050	4	13.346	1922870	50.0