

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW11025\
 Data File : VW032517.D
 Acq On : 20 Nov 2025 12:15
 Operator : SY/MD
 Sample : Q3686-01
 Misc : 5.43g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 FAIRLAWN-GRAVEL

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\82W11025S.M
 Title : SW846 8260

Signal : TIC: VW032517.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.161	367	373	385	rVB3	10884	42825	1.25%	0.202%
2	4.954	492	503	515	rBV2	16254	58857	1.72%	0.278%
3	7.173	857	867	876	rBV	17400	52545	1.54%	0.248%
4	7.898	967	986	991	rBV	194718	480330	14.06%	2.268%
5	7.959	991	996	1009	rVB	285422	640272	18.74%	3.024%
6	8.319	1047	1055	1066	rVB2	182611	412478	12.07%	1.948%
7	8.849	1134	1142	1157	rBV	552375	1116068	32.66%	5.271%
8	10.325	1376	1384	1392	rBV	699814	1269051	37.13%	5.993%
9	11.062	1498	1505	1513	rBV2	45255	84682	2.48%	0.400%
10	11.306	1526	1545	1546	rBV2	55861	180058	5.27%	0.850%
11	11.629	1591	1598	1611	rBV	920474	1578744	46.20%	7.456%
12	12.416	1709	1727	1753	rVV3	105374	654199	19.14%	3.090%
13	12.617	1753	1760	1770	rVB2	589621	1008716	29.52%	4.764%
14	12.849	1779	1798	1799	rBV	265266	745153	21.80%	3.519%
15	13.281	1854	1869	1884	rBV2	426578	1848954	54.10%	8.732%
16	13.440	1884	1895	1907	rVB3	236809	1053740	30.83%	4.976%
17	13.556	1907	1914	1923	rBV	925623	1482754	43.39%	7.002%
18	13.842	1952	1961	1968	rBV6	45098	170616	4.99%	0.806%
19	13.946	1968	1978	1987	rVV3	177583	639632	18.72%	3.021%
20	14.062	1991	1997	2005	rVB3	27235	70585	2.07%	0.333%
21	14.281	2022	2033	2047	rBV2	61725	257090	7.52%	1.214%
22	14.525	2061	2073	2087	rBV3	158071	579364	16.95%	2.736%
23	14.745	2100	2109	2120	rBV3	58945	207831	6.08%	0.981%
24	14.940	2129	2141	2152	rVV2	1059892	3417440	100.00%	16.139%
25	15.049	2153	2159	2168	rVV	76121	224039	6.56%	1.058%
26	15.141	2170	2174	2180	rVB5	38750	87488	2.56%	0.413%
27	15.238	2180	2190	2195	rBV5	25808	71094	2.08%	0.336%
28	15.318	2196	2203	2211	rBV3	96326	253261	7.41%	1.196%
29	15.622	2241	2253	2272	rBV3	507318	2029770	59.39%	9.586%
30	15.915	2290	2301	2302	rBV7	66655	187198	5.48%	0.884%
31	16.098	2324	2331	2341	rBV4	77749	270056	7.90%	1.275%

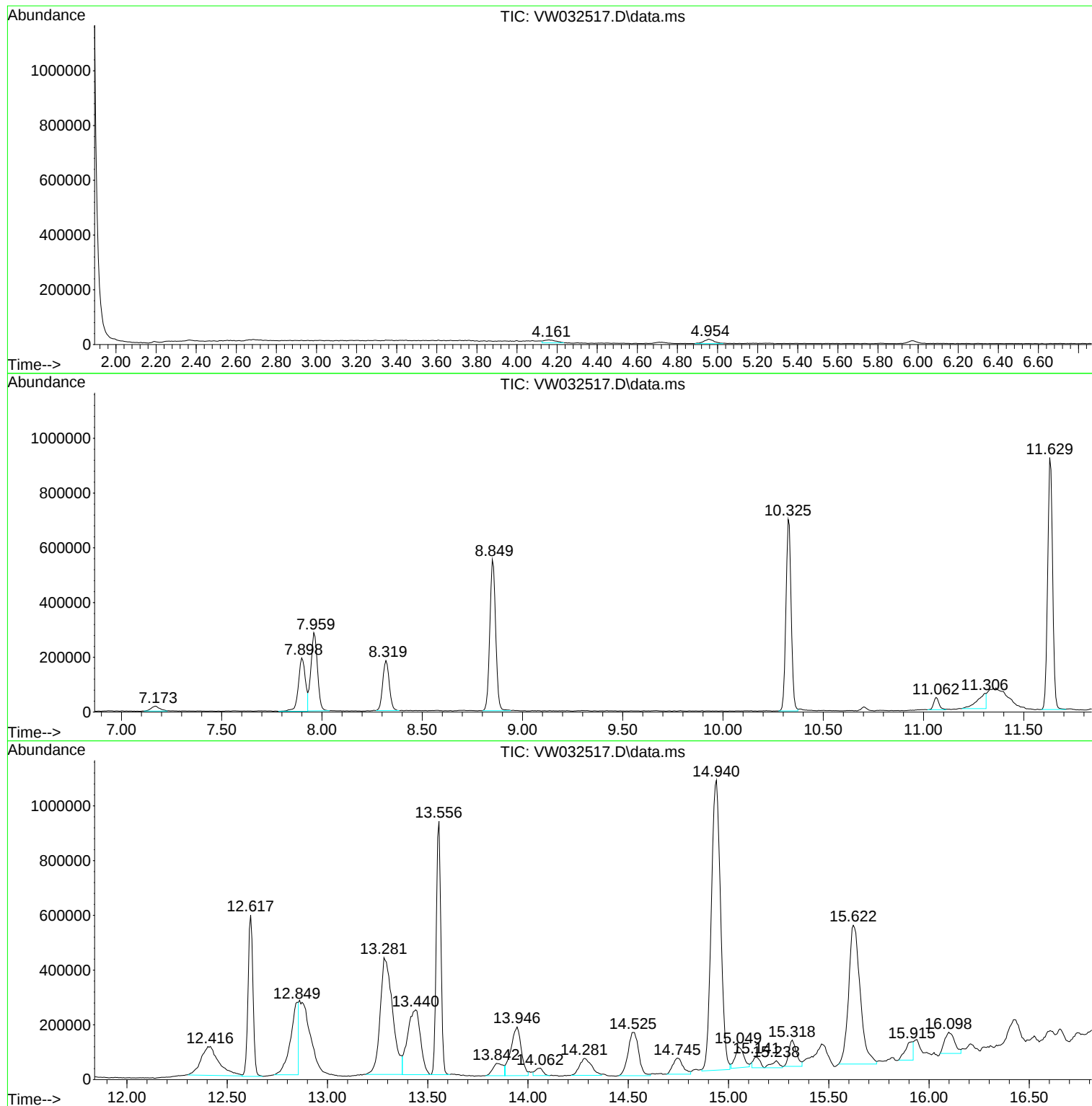
Sum of corrected areas: 21174890

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032517.D
Acq On : 20 Nov 2025 12:15
Operator : SY/MD
Sample : Q3686-01
Misc : 5.43g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032517.D
Acq On : 20 Nov 2025 12:15
Operator : SY/MD
Sample : Q3686-01
Misc : 5.43g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

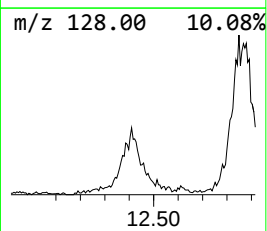
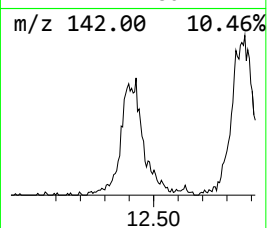
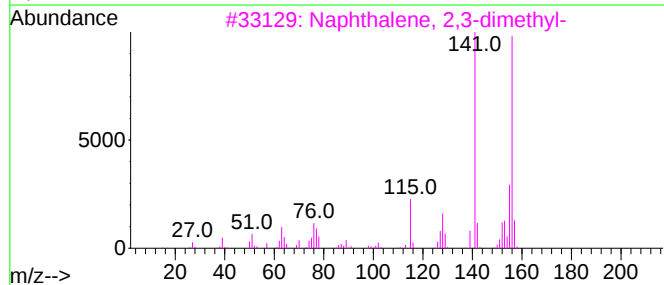
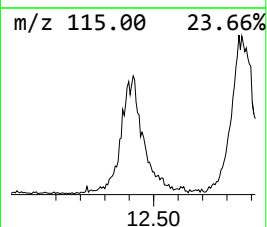
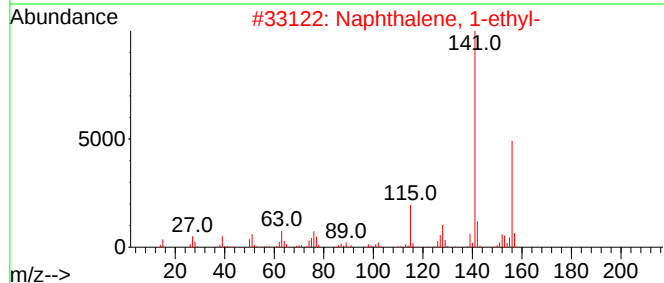
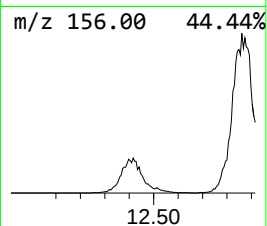
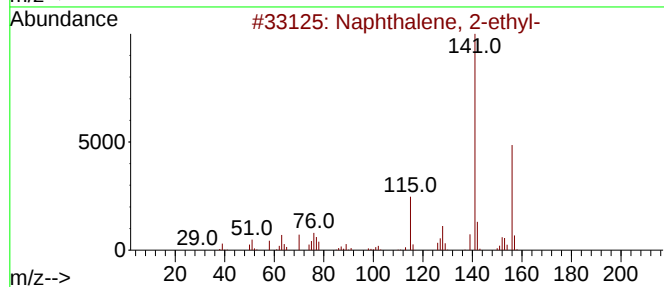
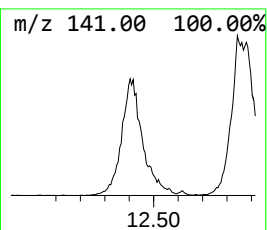
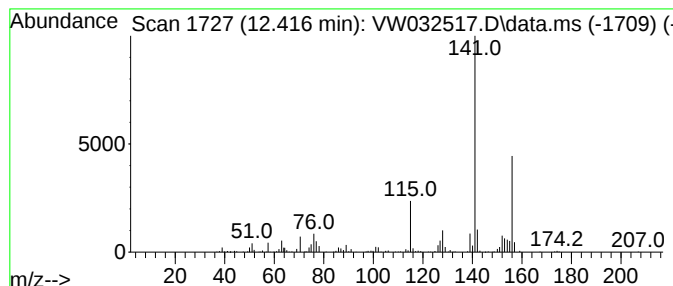
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 1 Naphthalene, 2-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	20.72 ug/l	654199	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	80
4			2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59
5			2,4-Difluoromesitylene	156	C9H10F2	000392-61-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032517.D
Acq On : 20 Nov 2025 12:15
Operator : SY/MD
Sample : Q3686-01
Misc : 5.43g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

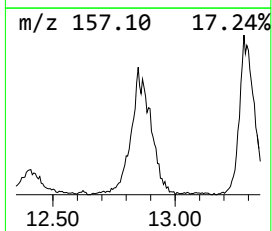
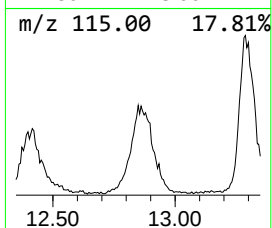
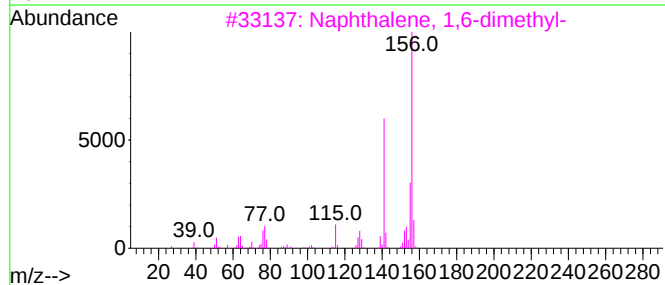
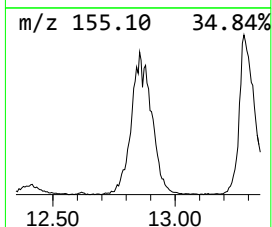
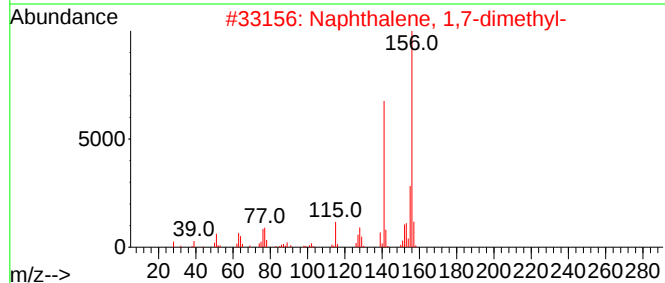
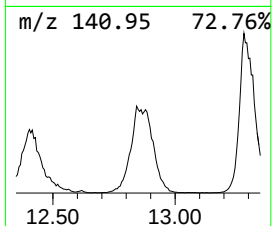
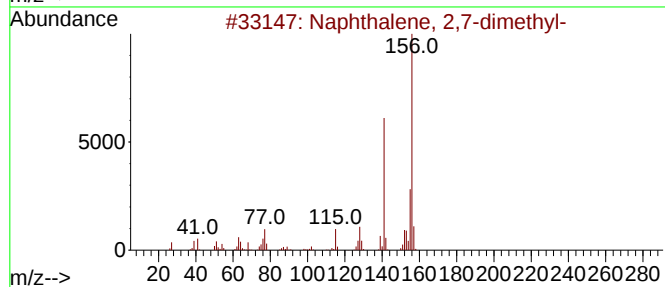
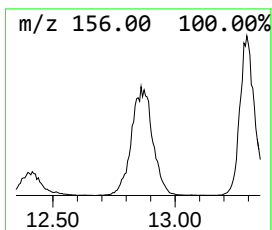
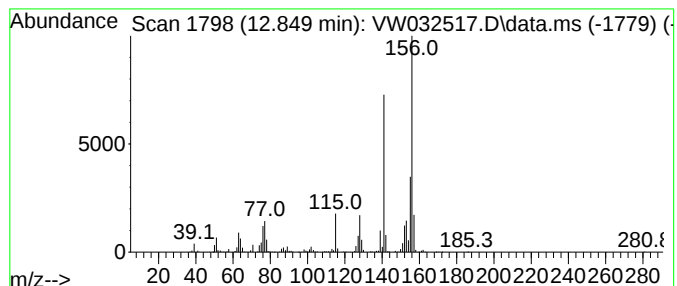
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.849	25.13 ug/l	745153	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032517.D
Acq On : 20 Nov 2025 12:15
Operator : SY/MD
Sample : Q3686-01
Misc : 5.43g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

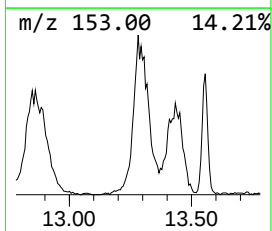
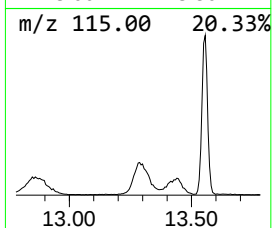
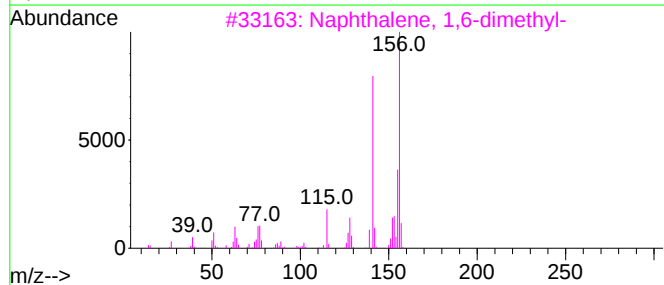
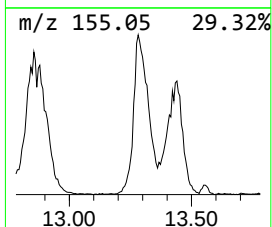
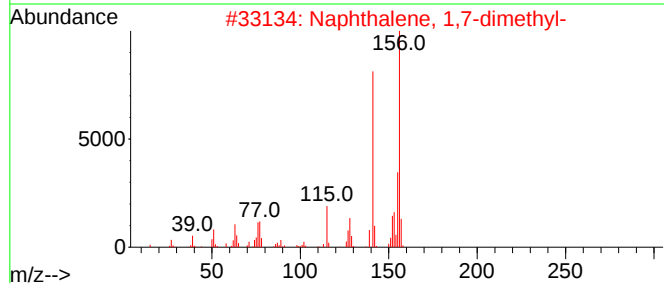
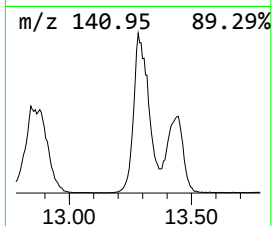
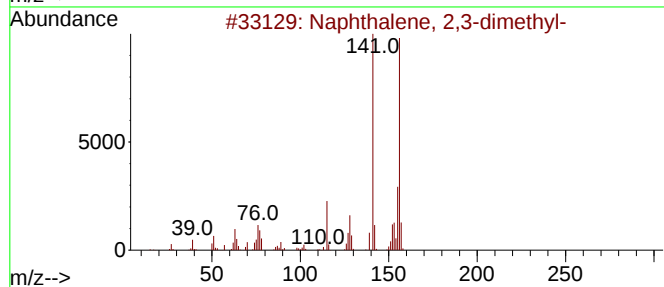
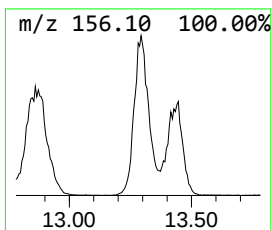
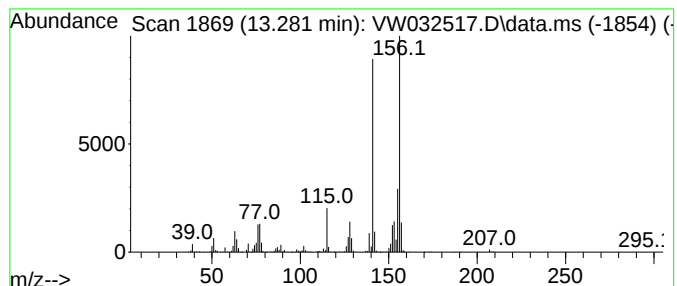
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.281	62.35 ug/l	1848950	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
5			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032517.D
Acq On : 20 Nov 2025 12:15
Operator : SY/MD
Sample : Q3686-01
Misc : 5.43g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

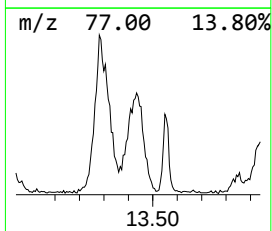
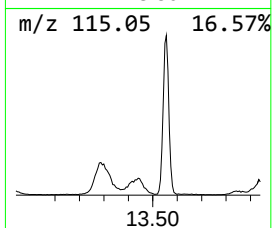
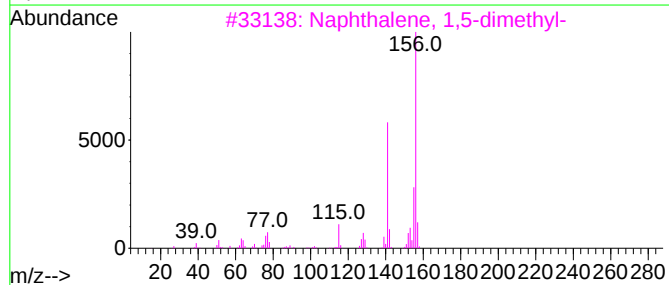
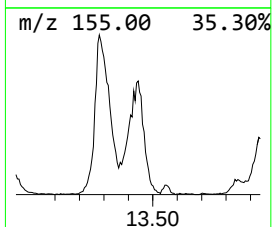
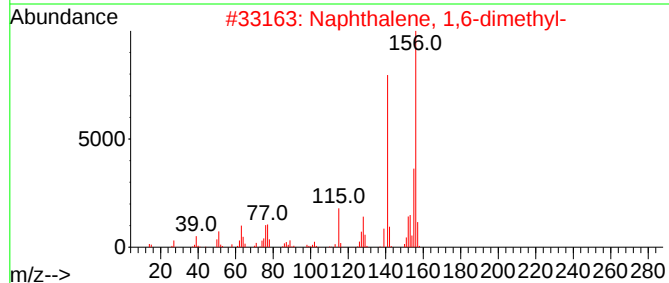
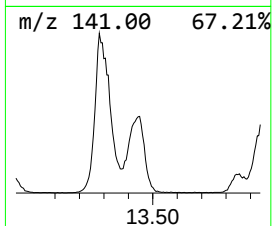
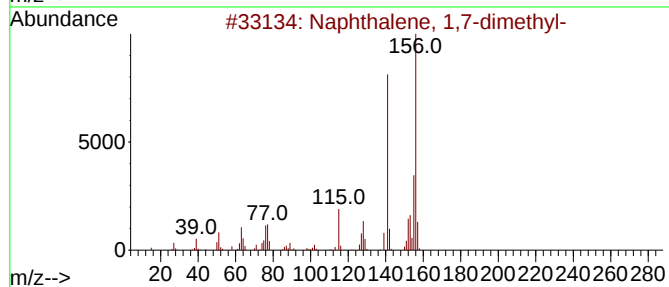
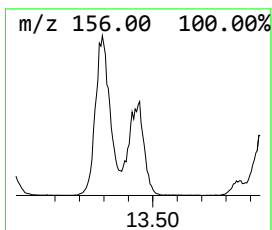
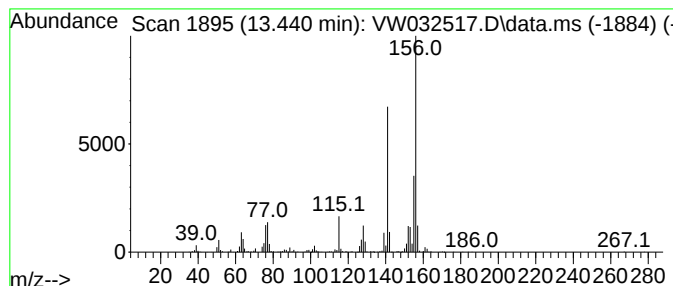
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	35.53 ug/l	1053740	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032517.D
Acq On : 20 Nov 2025 12:15
Operator : SY/MD
Sample : Q3686-01
Misc : 5.43g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

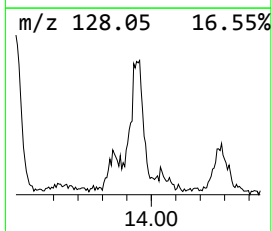
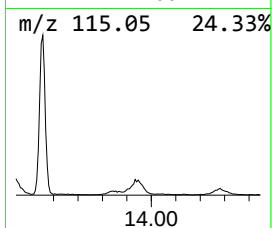
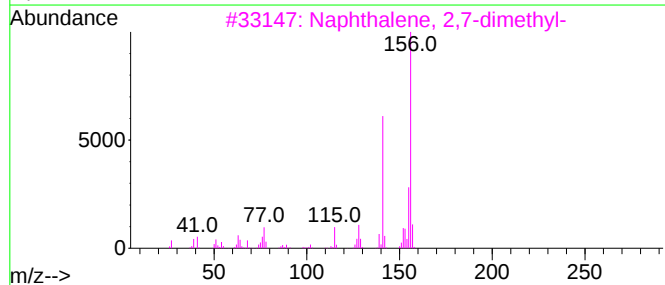
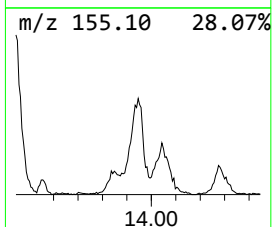
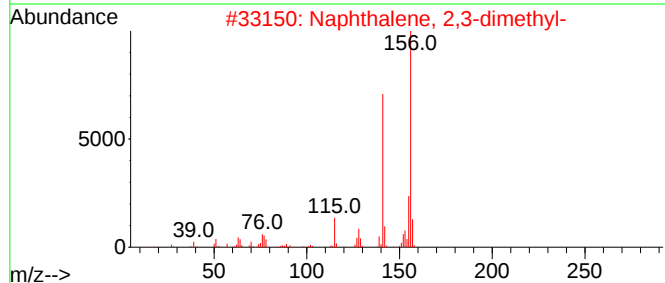
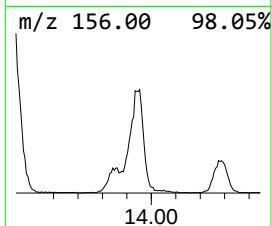
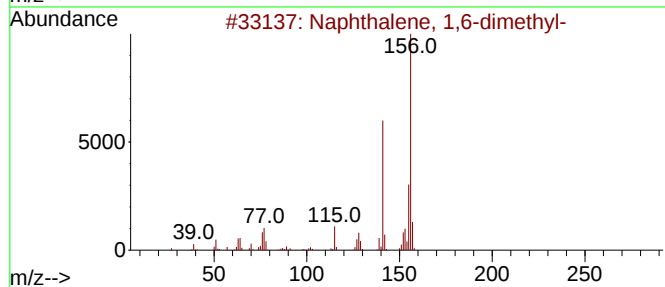
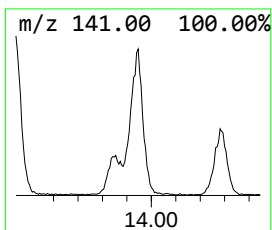
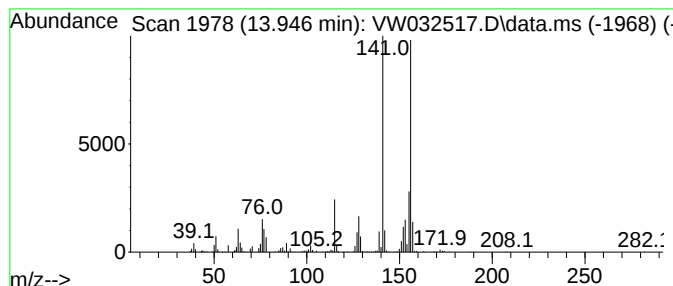
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.946	21.57 ug/l	639632	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032517.D
Acq On : 20 Nov 2025 12:15
Operator : SY/MD
Sample : Q3686-01
Misc : 5.43g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

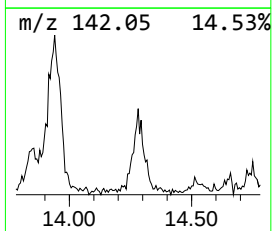
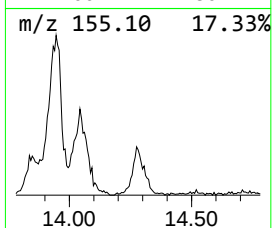
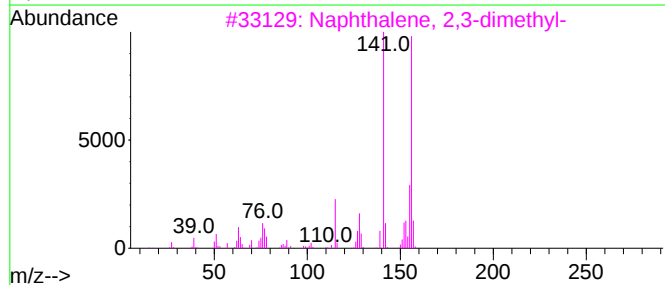
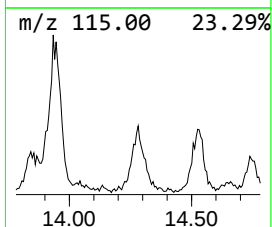
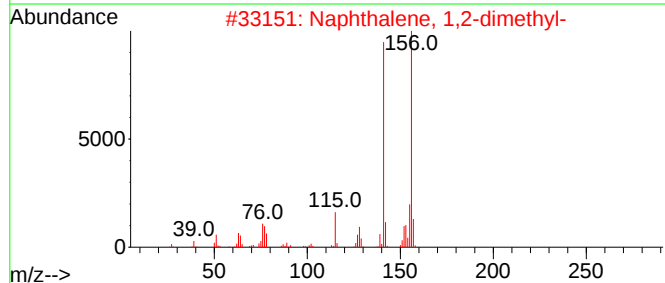
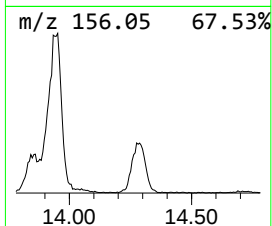
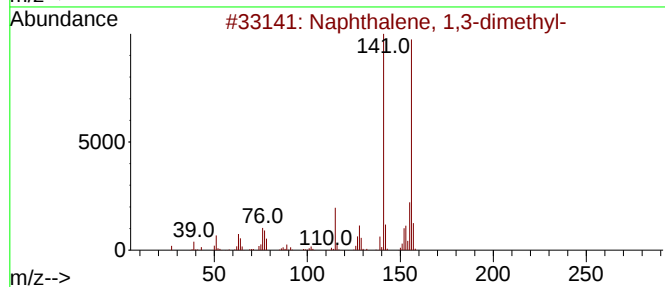
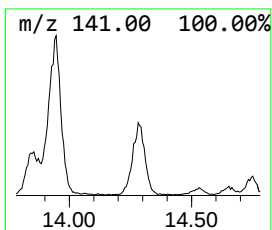
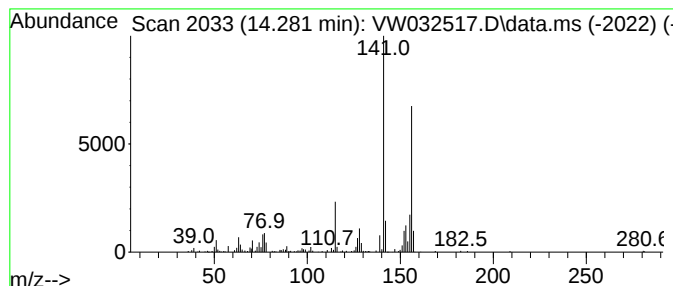
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.281	8.67 ug/l	257090	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
5			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032517.D
Acq On : 20 Nov 2025 12:15
Operator : SY/MD
Sample : Q3686-01
Misc : 5.43g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

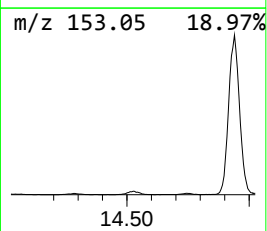
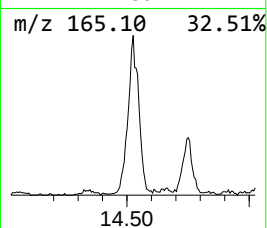
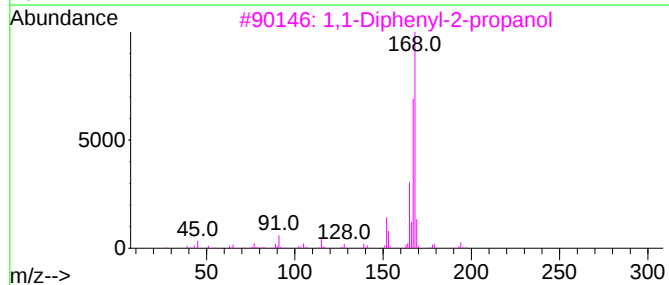
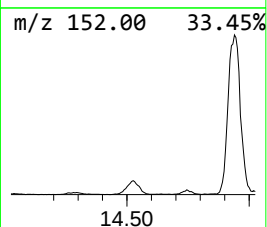
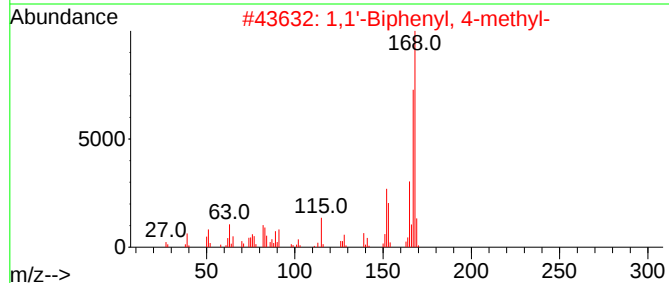
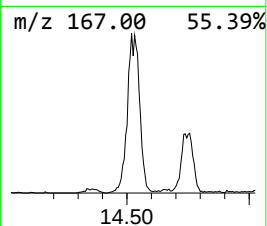
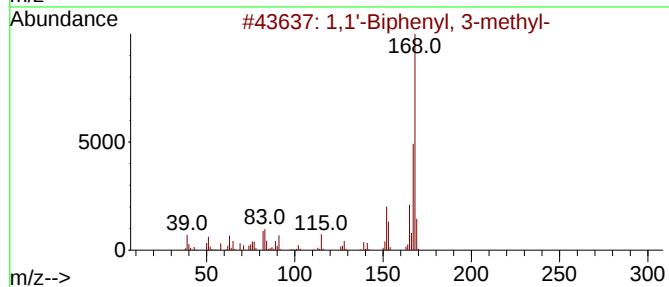
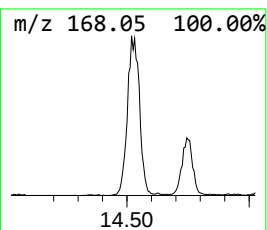
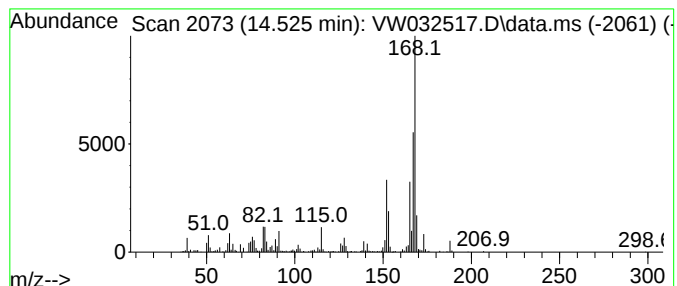
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 7 1,1'-Biphenyl, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.525	19.54 ug/l	579364	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	96
2			1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	95
3			1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	78
4			N-Nitrosodiphenylamine	198	C12H10N2O	000086-30-6	58
5			2,4-Dimethoxy-5-pyrimidine carbo...	168	C7H8N2O3	052606-02-7	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032517.D
Acq On : 20 Nov 2025 12:15
Operator : SY/MD
Sample : Q3686-01
Misc : 5.43g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

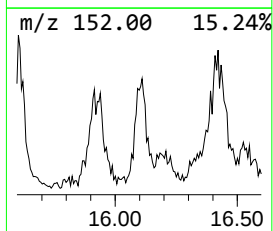
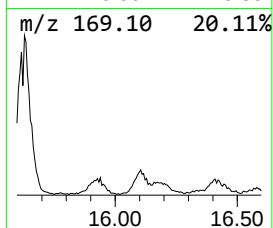
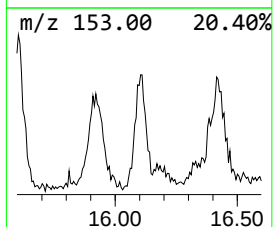
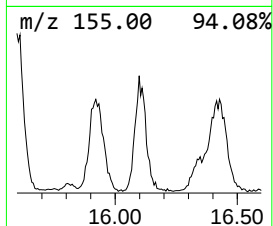
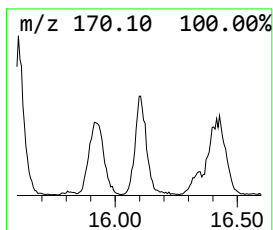
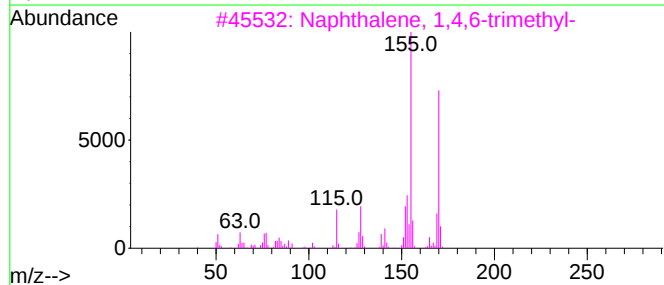
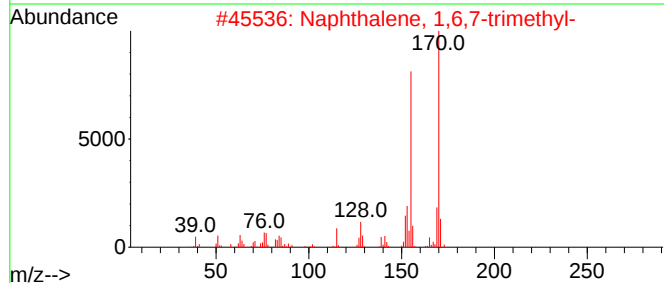
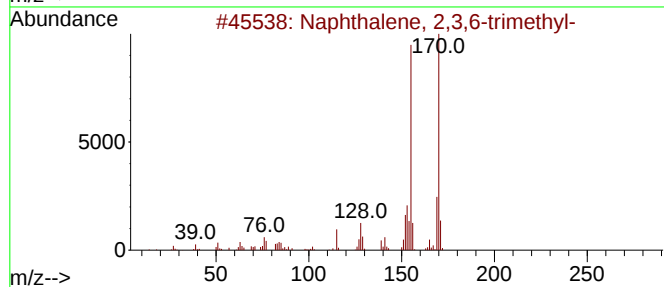
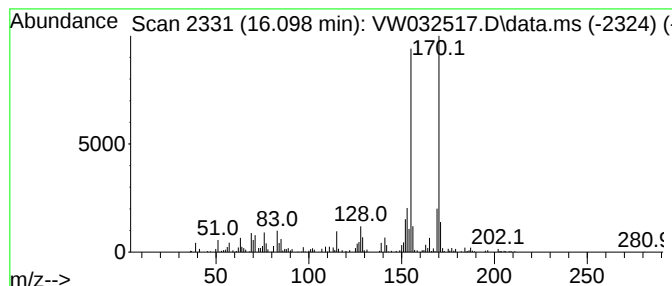
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.098	9.11 ug/l	270056	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	93
5			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
Data File : VW032517.D
Acq On : 20 Nov 2025 12:15
Operator : SY/MD
Sample : Q3686-01
Misc : 5.43g/5mL/MSVOA_W/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
FAIRLAWN-GRAVEL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.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, 2-...	12.416	20.7	ug/l	654199	3	11.629	1578740	50.0
Naphthalene, 2,...	12.849	25.1	ug/l	745153	4	13.556	1482750	50.0
Naphthalene, 2,...	13.281	62.4	ug/l	1848950	4	13.556	1482750	50.0
Naphthalene, 1,...	13.440	35.5	ug/l	1053740	4	13.556	1482750	50.0
Naphthalene, 1,...	13.946	21.6	ug/l	639632	4	13.556	1482750	50.0
Naphthalene, 1,...	14.281	8.7	ug/l	257090	4	13.556	1482750	50.0
1,1'-Biphenyl, ...	14.525	19.5	ug/l	579364	4	13.556	1482750	50.0
Naphthalene, 2,...	16.098	9.1	ug/l	270056	4	13.556	1482750	50.0