

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087636.D
 Acq On : 22 Aug 2025 13:19
 Operator : JC\MD
 Sample : Q2921-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

Quant Time: Aug 25 01:19:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

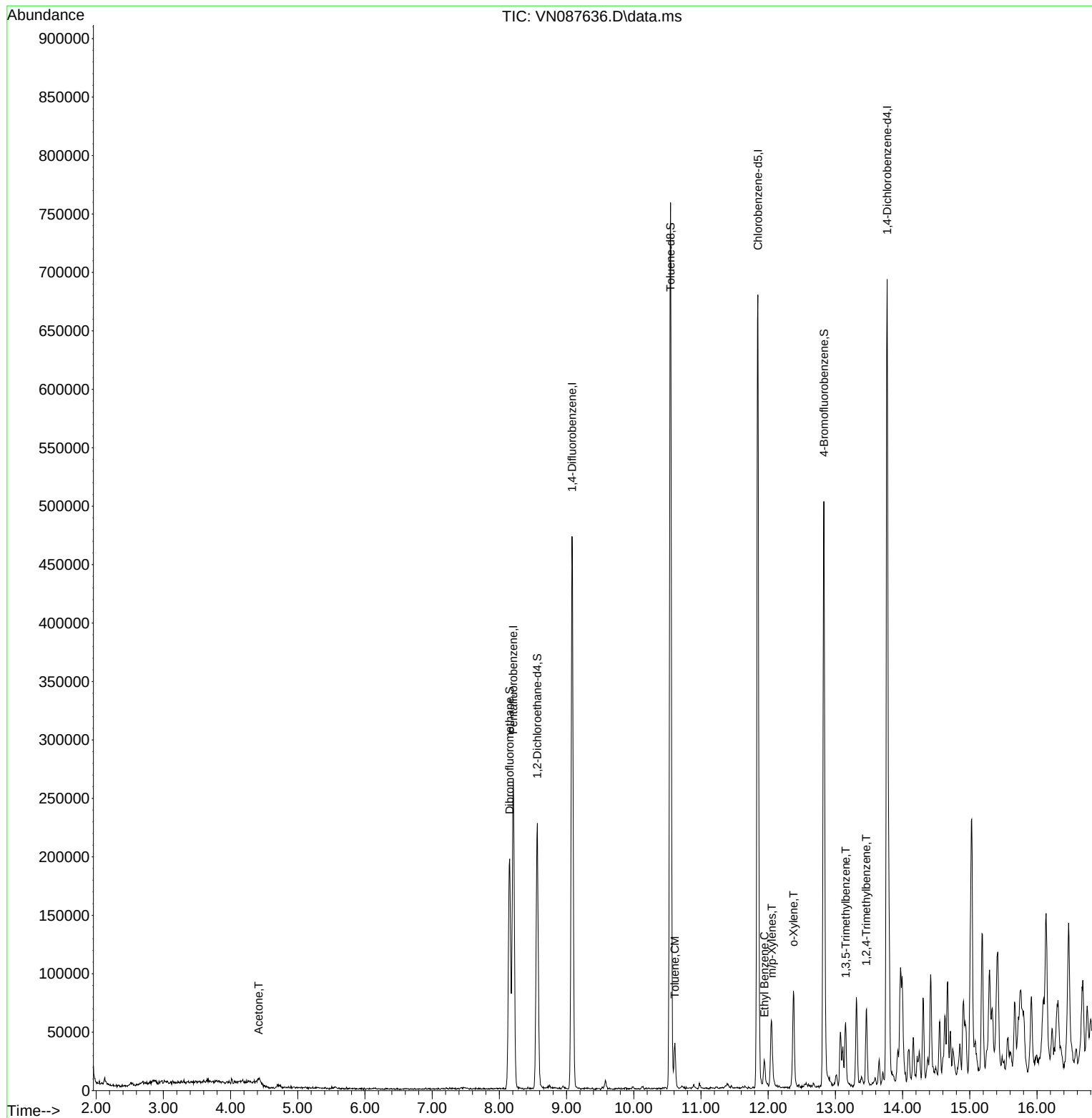
Internal Standards						
1) Pentafluorobenzene	8.206	168	171200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	390202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	369064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	175398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	185661	52.930	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.860%		
35) Dibromofluoromethane	8.153	113	138705	49.234	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.460%		
50) Toluene-d8	10.547	98	503862	47.785	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.560%		
62) 4-Bromofluorobenzene	12.829	95	177979	47.462	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 94.920%		
Target Compounds						
						Qvalue
16) Acetone	4.418	43	9187	4.811	ug/l	94
52) Toluene	10.612	92	14985	1.823	ug/l	92
67) Ethyl Benzene	11.947	91	16128	1.015	ug/l #	83
68) m/p-Xylenes	12.053	106	18727	3.212	ug/l	98
69) o-Xylene	12.376	106	22860	4.001	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	26863	2.234	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	38899	3.232	ug/l	94

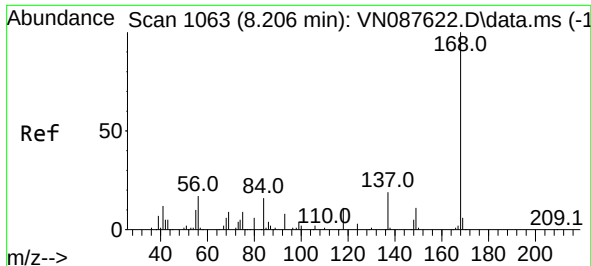
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 25 01:19:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

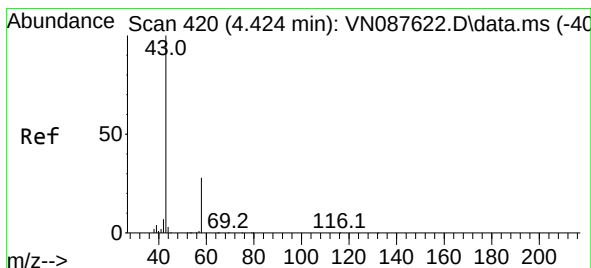
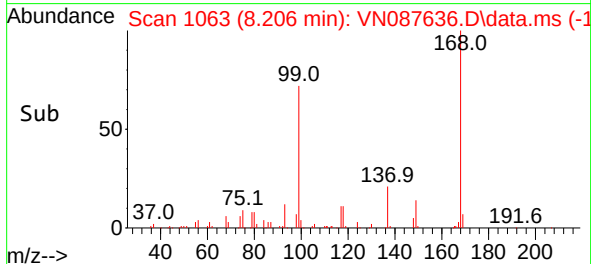
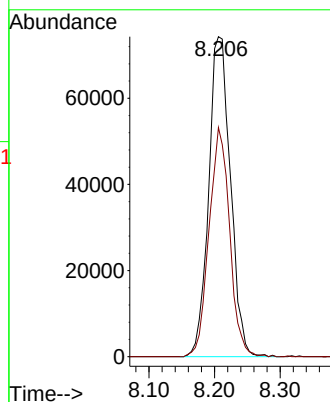
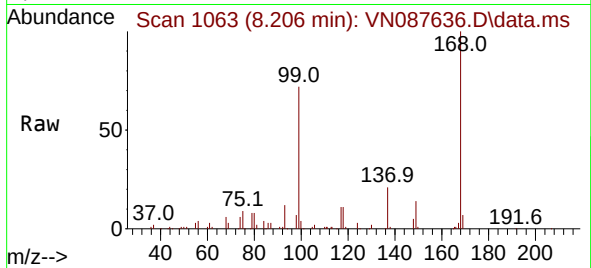




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087636.D
Acq: 22 Aug 2025 13:19

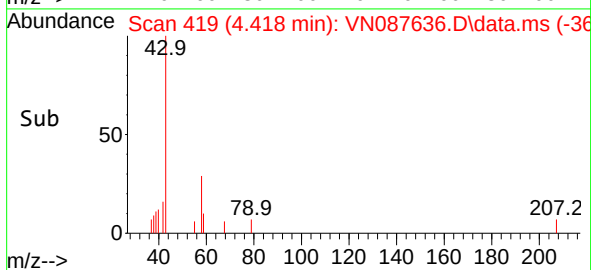
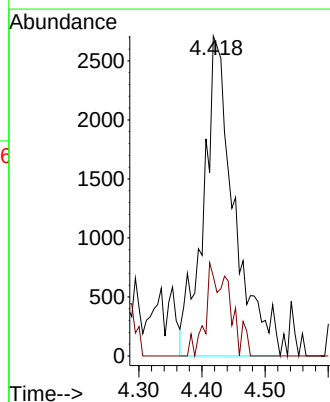
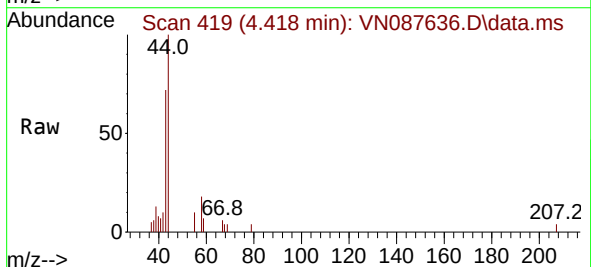
Instrument :
MSVOA_N
ClientSampleId :
MW1

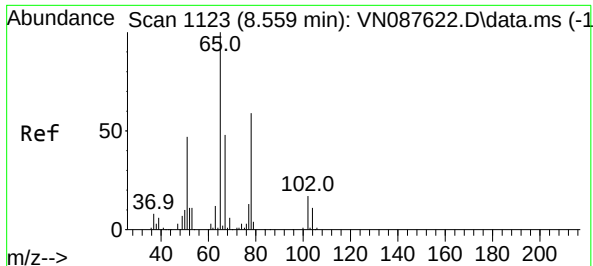
Tgt Ion:168 Resp: 171200
Ion Ratio Lower Upper
168 100
99 71.6 57.2 85.8



#16
Acetone
Concen: 4.811 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087636.D
Acq: 22 Aug 2025 13:19

Tgt Ion: 43 Resp: 9187
Ion Ratio Lower Upper
43 100
58 24.9 22.6 33.8





#33

1,2-Dichloroethane-d4

Concen: 52.930 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN087636.D

Acq: 22 Aug 2025 13:19

Instrument :

MSVOA_N

ClientSampleId :

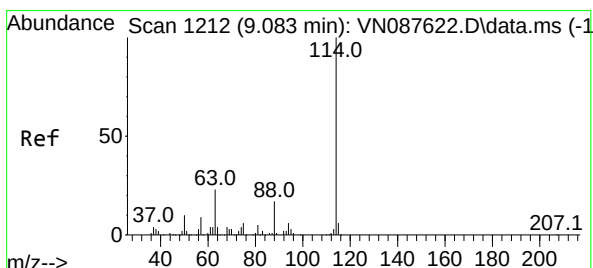
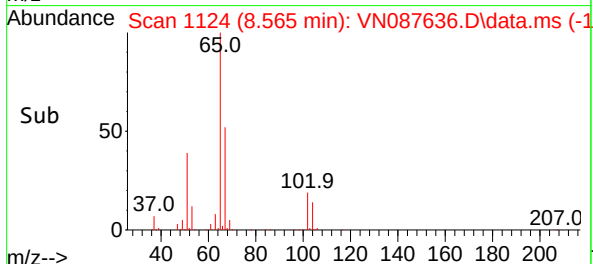
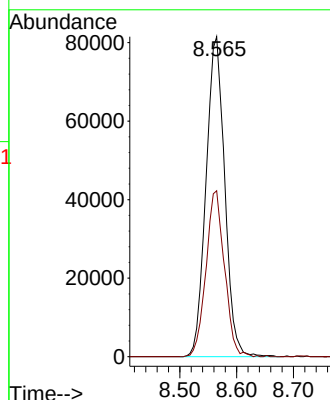
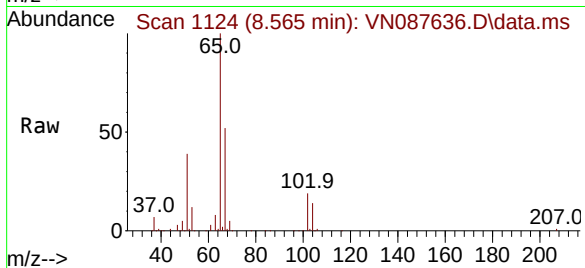
MW1

Tgt Ion: 65 Resp: 185661

Ion Ratio Lower Upper

65 100

67 51.3 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087636.D

Acq: 22 Aug 2025 13:19

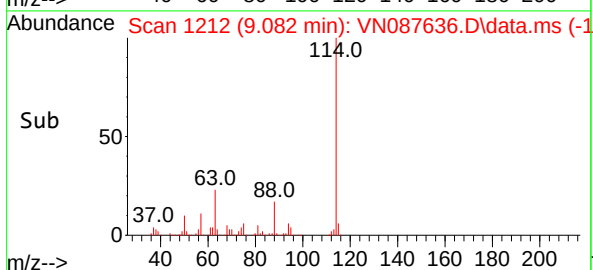
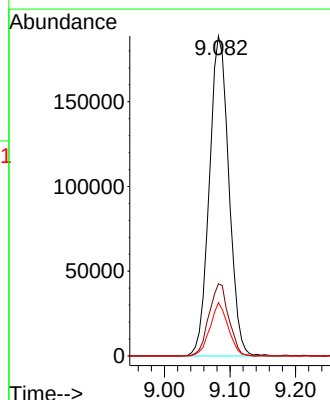
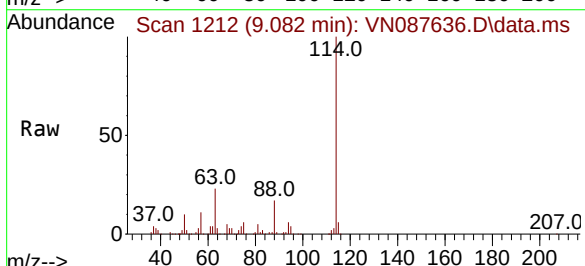
Tgt Ion:114 Resp: 390202

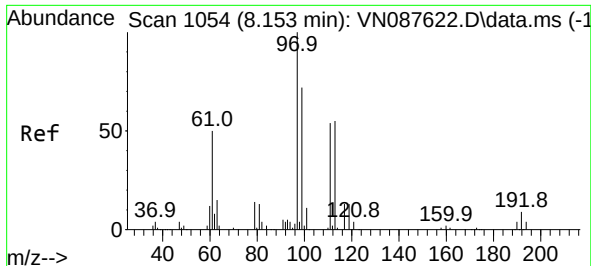
Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.2

88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.234 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087636.D

Acq: 22 Aug 2025 13:19

Instrument :

MSVOA_N

ClientSampleId :

MW1

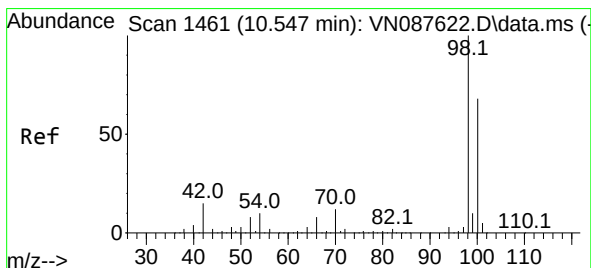
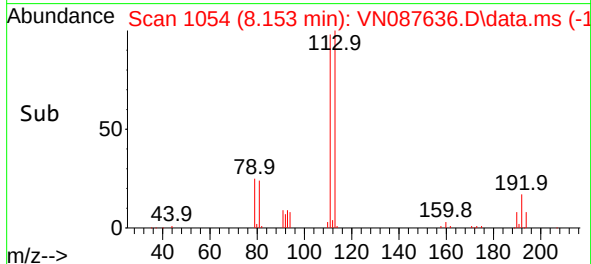
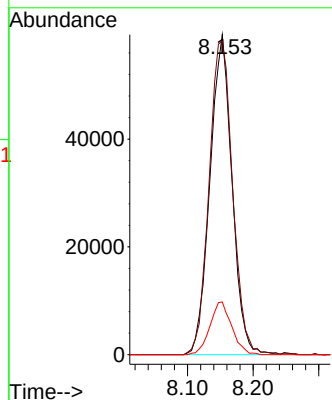
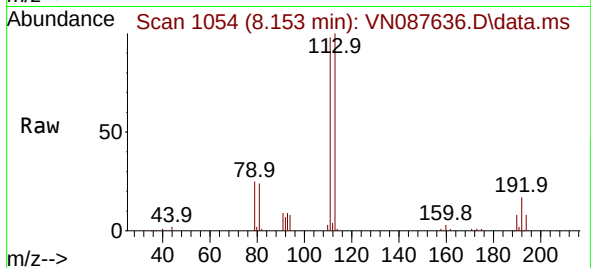
Tgt Ion:113 Resp: 138705

Ion Ratio Lower Upper

113 100

111 104.4 82.8 124.2

192 16.3 12.8 19.2



#50

Toluene-d8

Concen: 47.785 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087636.D

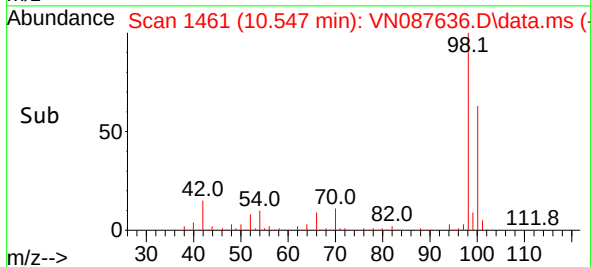
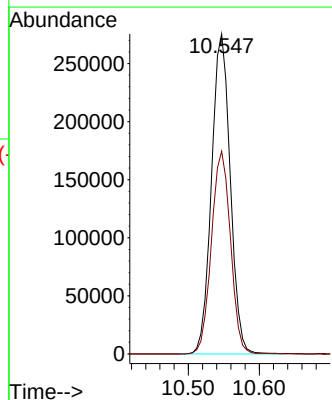
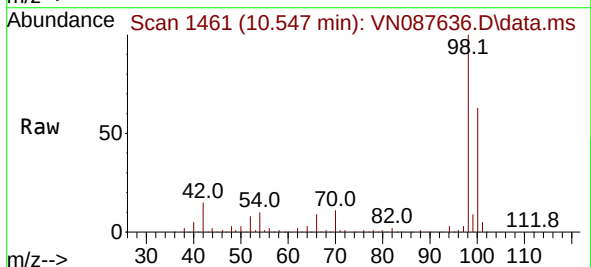
Acq: 22 Aug 2025 13:19

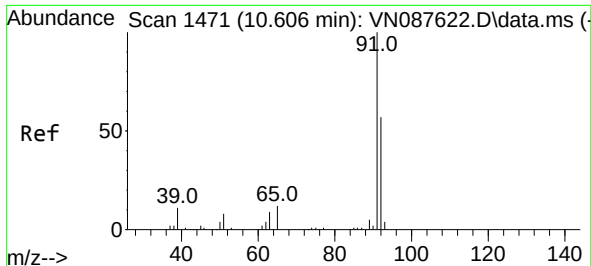
Tgt Ion: 98 Resp: 503862

Ion Ratio Lower Upper

98 100

100 64.5 52.8 79.2

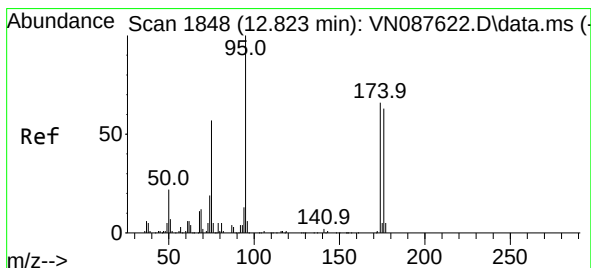
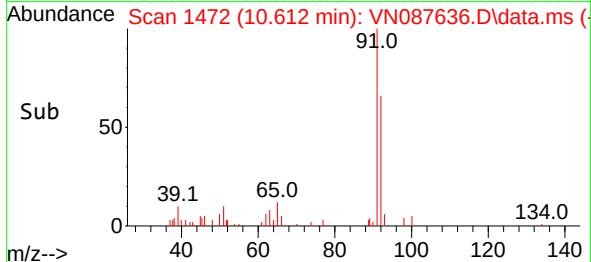
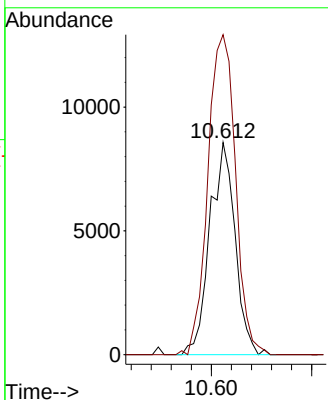
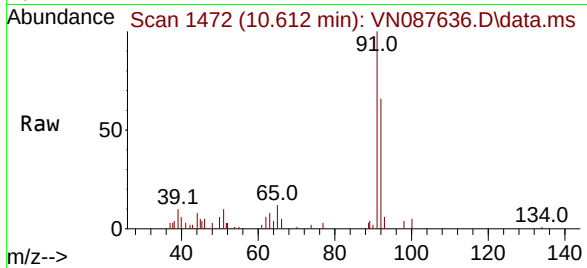




#52
Toluene
Concen: 1.823 ug/l
RT: 10.612 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VN087636.D
Acq: 22 Aug 2025 13:19

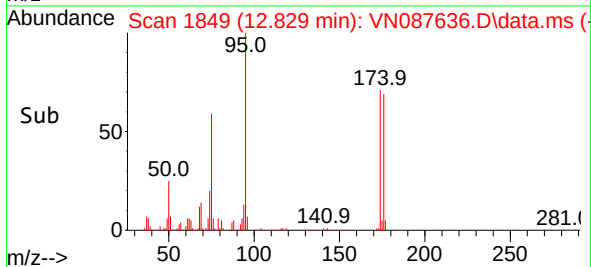
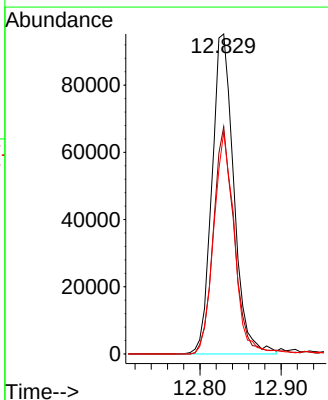
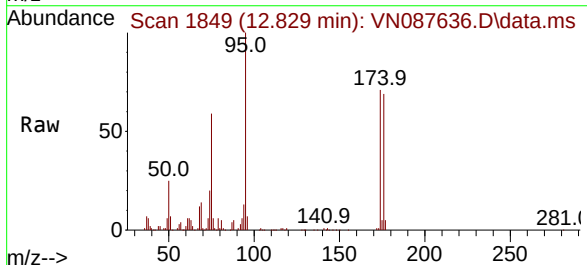
Instrument :
MSVOA_N
ClientSampleId :
MW1

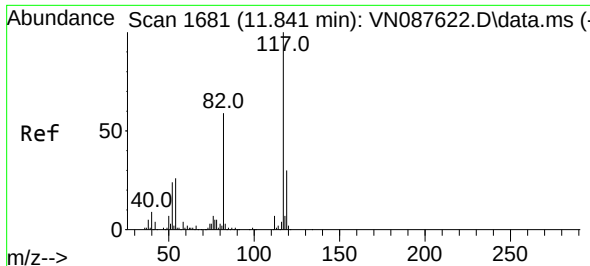
Tgt Ion: 92 Resp: 14985
Ion Ratio Lower Upper
92 100
91 164.9 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 47.462 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087636.D
Acq: 22 Aug 2025 13:19

Tgt Ion: 95 Resp: 177979
Ion Ratio Lower Upper
95 100
174 67.9 0.0 138.4
176 66.0 0.0 132.6

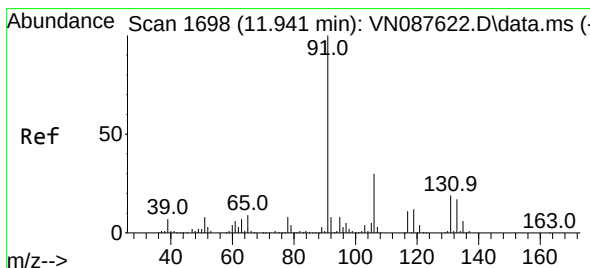
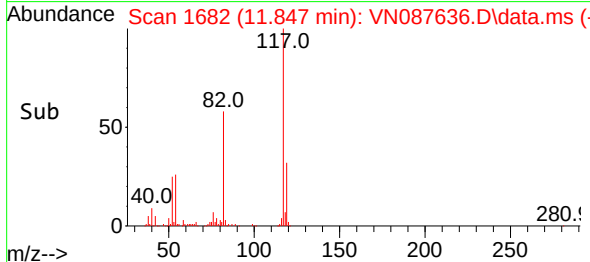
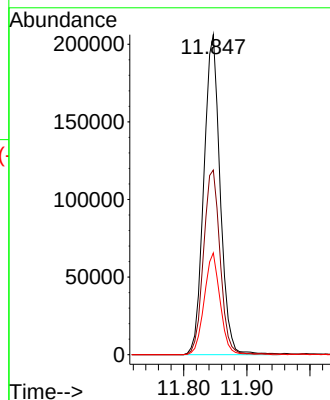
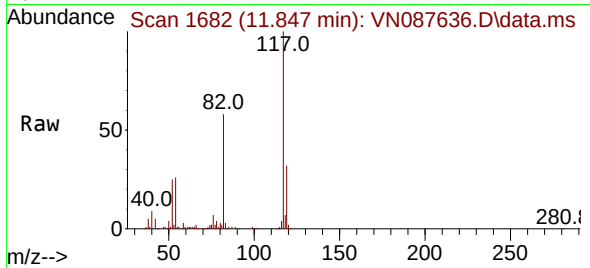




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN087636.D
Acq: 22 Aug 2025 13:19

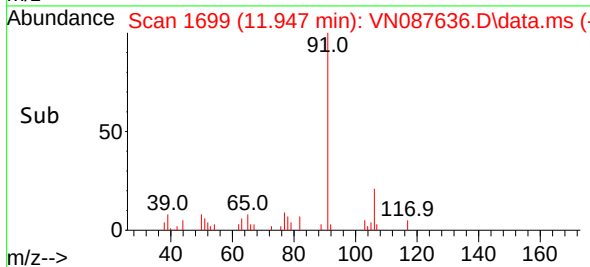
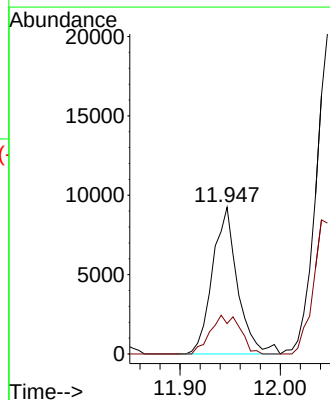
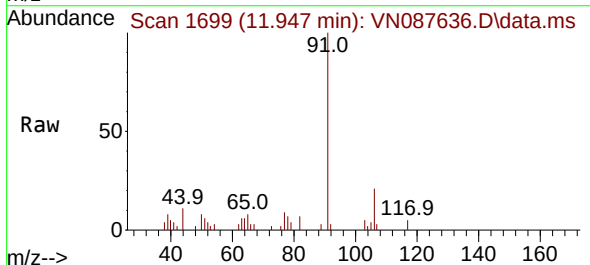
Instrument :
MSVOA_N
ClientSampleId :
MW1

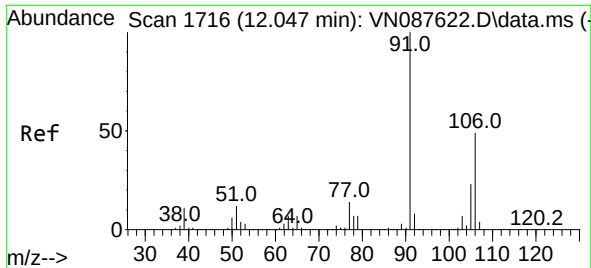
Tgt Ion:117 Resp: 369064
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 31.8 24.3 36.5



#67
Ethyl Benzene
Concen: 1.015 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN087636.D
Acq: 22 Aug 2025 13:19

Tgt Ion: 91 Resp: 16128
Ion Ratio Lower Upper
91 100
106 20.8 24.1 36.1#

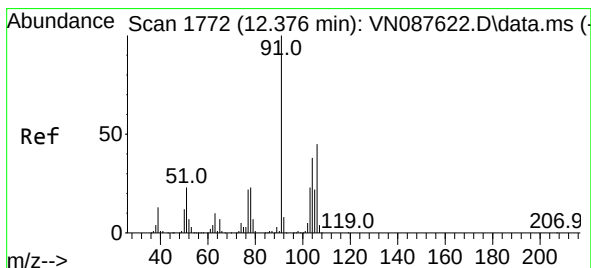
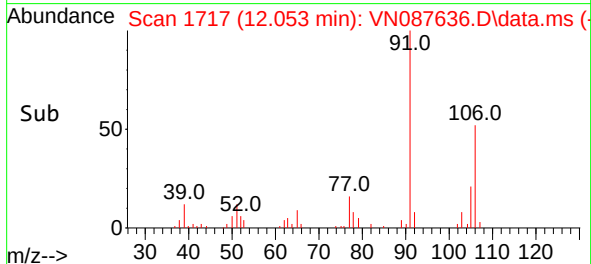
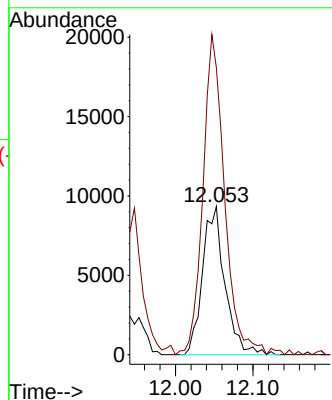
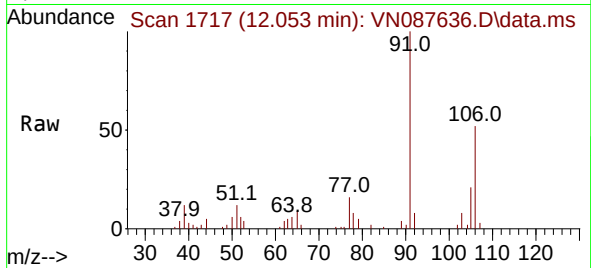




#68
m/p-Xylenes
Concen: 3.212 ug/l
RT: 12.053 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VN087636.D
Acq: 22 Aug 2025 13:19

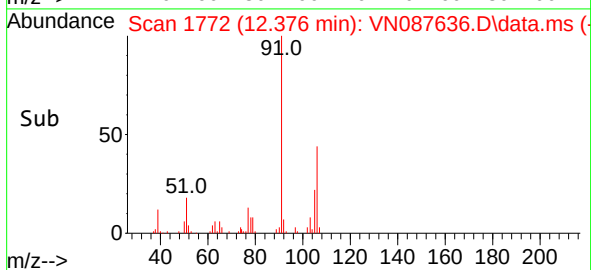
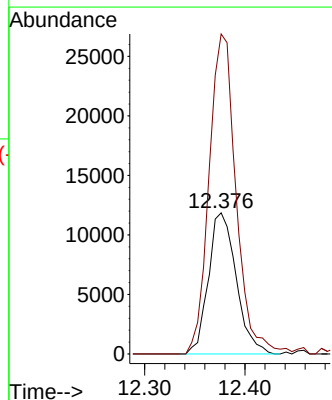
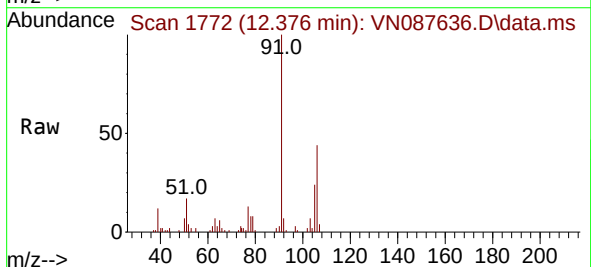
Instrument :
MSVOA_N
ClientSampleId :
MW1

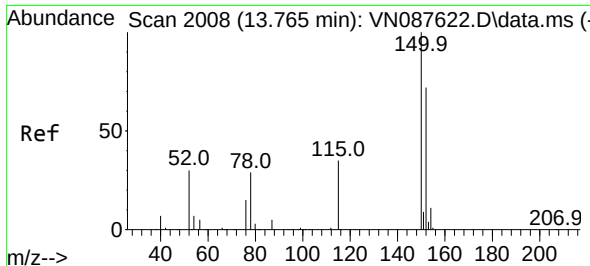
Tgt Ion:106 Resp: 18727
Ion Ratio Lower Upper
106 100
91 208.2 169.3 253.9



#69
o-Xylene
Concen: 4.001 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087636.D
Acq: 22 Aug 2025 13:19

Tgt Ion:106 Resp: 22860
Ion Ratio Lower Upper
106 100
91 220.6 111.4 334.2

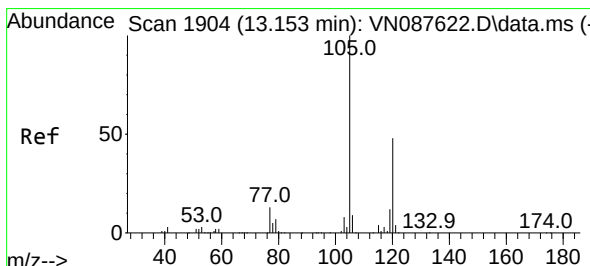
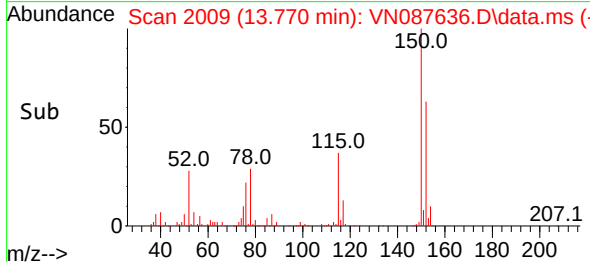
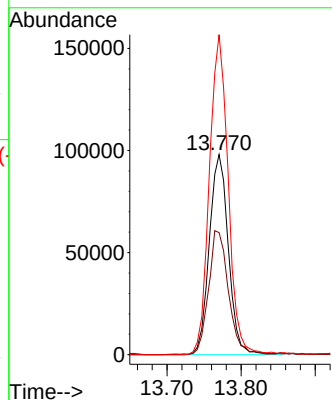
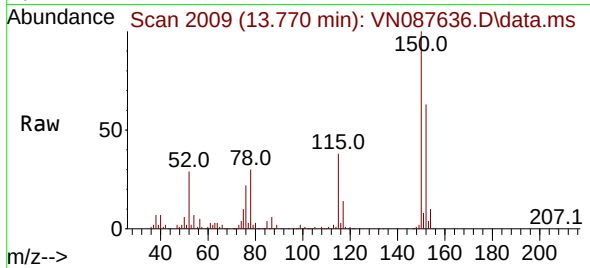




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2008
 Delta R.T. 0.006 min
 Lab File: VN087636.D
 Acq: 22 Aug 2025 13:19

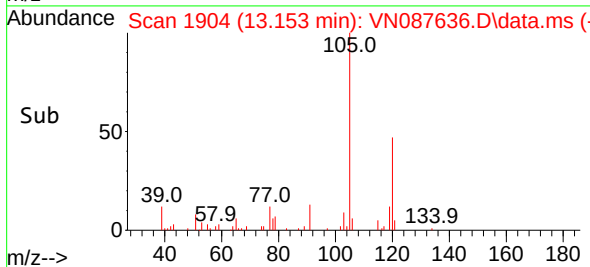
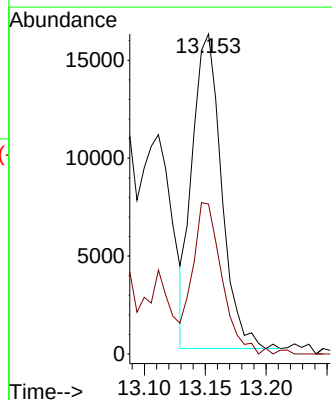
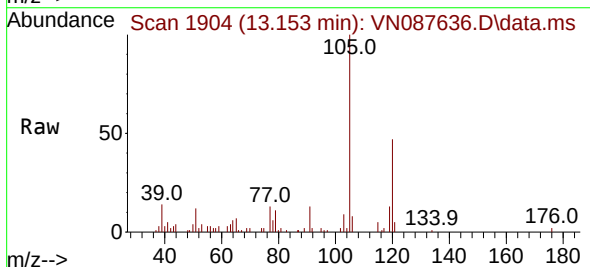
Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

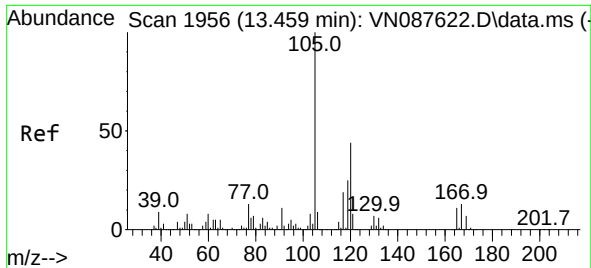
Tgt Ion:152 Resp: 175398
 Ion Ratio Lower Upper
 152 100
 115 64.9 32.3 96.8
 150 158.4 0.0 351.0



#80
 1,3,5-Trimethylbenzene
 Concen: 2.234 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VN087636.D
 Acq: 22 Aug 2025 13:19

Tgt Ion:105 Resp: 26863
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.2 69.6





#84
 1,2,4-Trimethylbenzene
 Concen: 3.232 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN087636.D
 Acq: 22 Aug 2025 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

Tgt Ion:105 Resp: 38899
 Ion Ratio Lower Upper
 105 100
 120 39.9 22.0 66.0

