

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087513.D
 Acq On : 12 Aug 2025 14:46
 Operator : JC\MD
 Sample : Q2816-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1057-MW-03A(17)

Quant Time: Aug 13 03:05:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

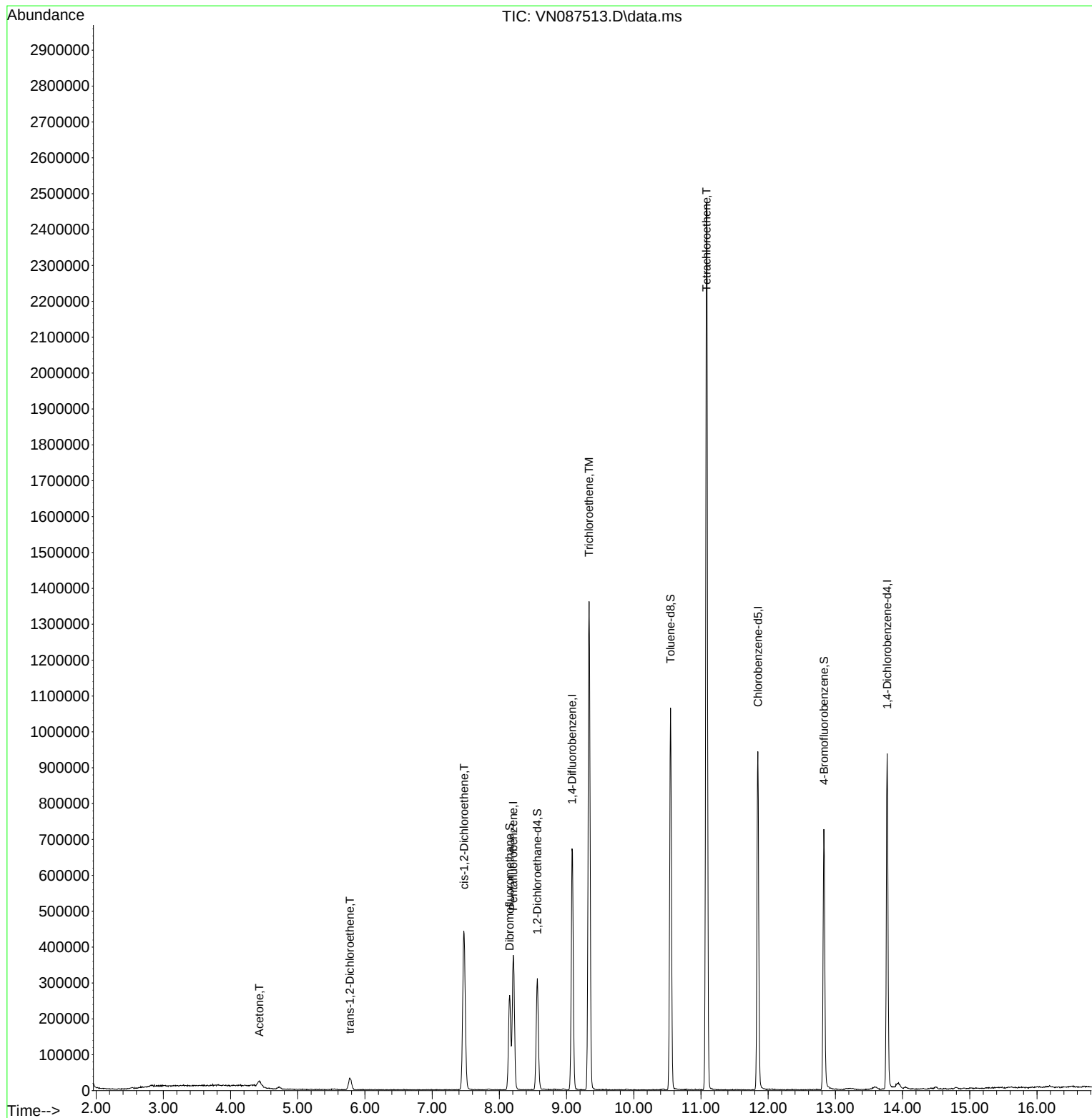
Internal Standards						
1) Pentafluorobenzene	8.206	168	248546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	554436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	512804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	255488	60.581	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	121.160%
35) Dibromofluoromethane	8.153	113	187535	49.035	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.080%
50) Toluene-d8	10.547	98	700794	51.369	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.740%
62) 4-Bromofluorobenzene	12.829	95	261737	51.930	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.860%
Target Compounds						
						Qvalue
16) Acetone	4.430	43	26946	13.627	ug/l #	87
21) trans-1,2-Dichloroethene	5.777	96	18909	5.910	ug/l	96
27) cis-1,2-Dichloroethene	7.477	96	259520	70.448	ug/l	93
44) Trichloroethene	9.335	130	450946	116.863	ug/l	88
64) Tetrachloroethene	11.082	164	515186	156.096	ug/l	95

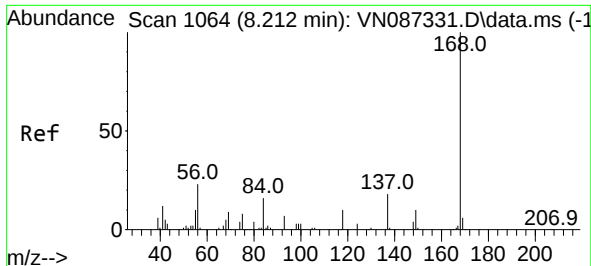
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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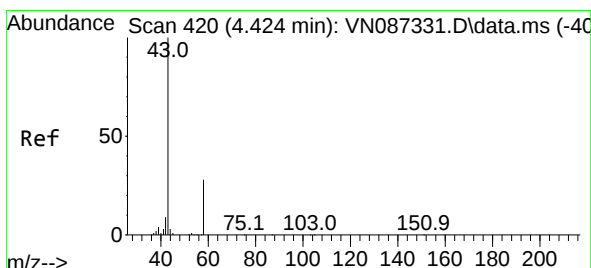
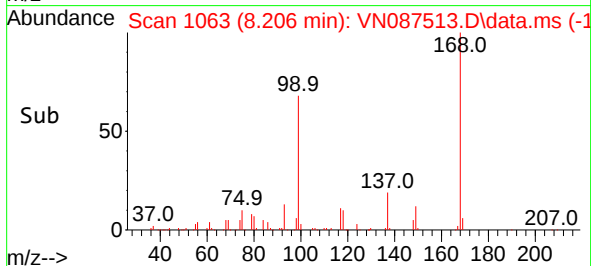
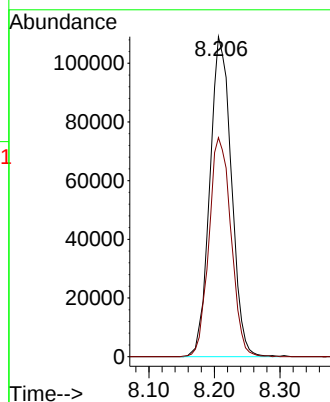
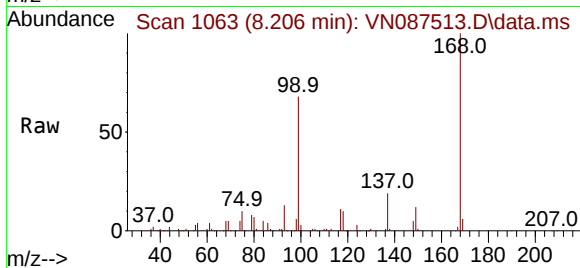




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087513.D
Acq: 12 Aug 2025 14:46

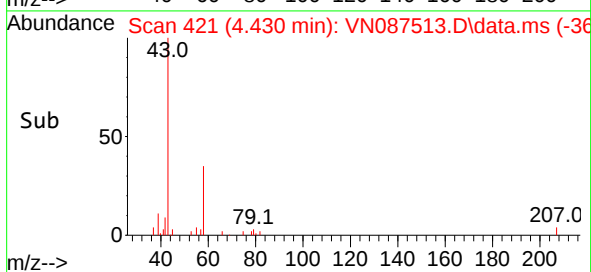
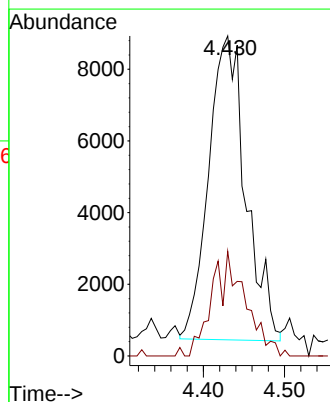
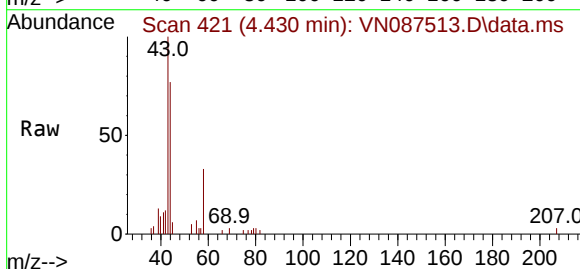
Instrument :
MSVOA_N
ClientSampleId :
1057-MW-03A(17)

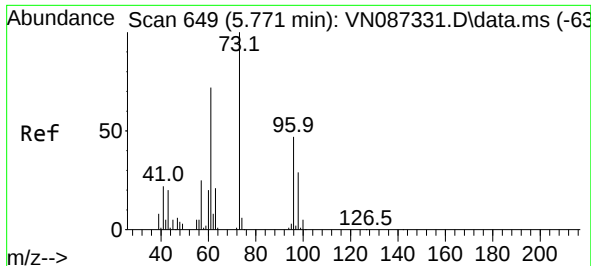
Tgt Ion:168 Resp: 248546
Ion Ratio Lower Upper
168 100
99 68.4 47.9 71.9



#16
Acetone
Concen: 13.627 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087513.D
Acq: 12 Aug 2025 14:46

Tgt Ion: 43 Resp: 26946
Ion Ratio Lower Upper
43 100
58 34.9 22.3 33.5#

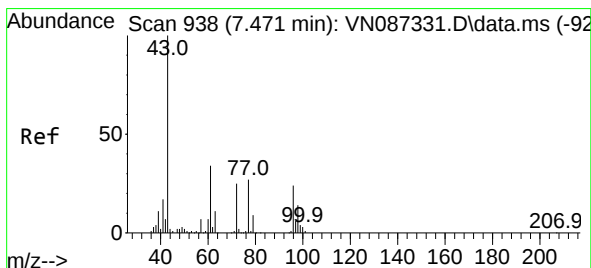
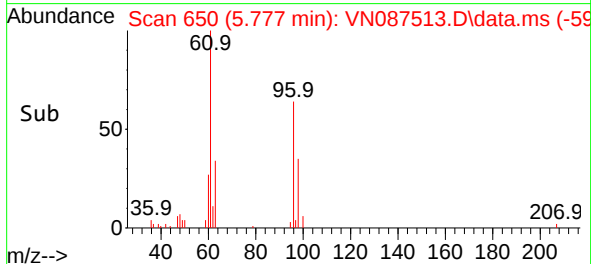
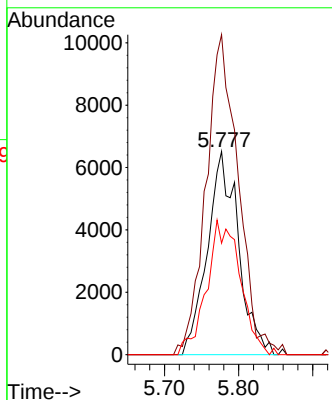
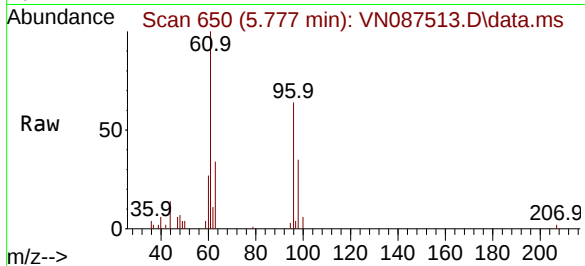




#21
trans-1,2-Dichloroethene
Concen: 5.910 ug/l
RT: 5.777 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087513.D
Acq: 12 Aug 2025 14:46

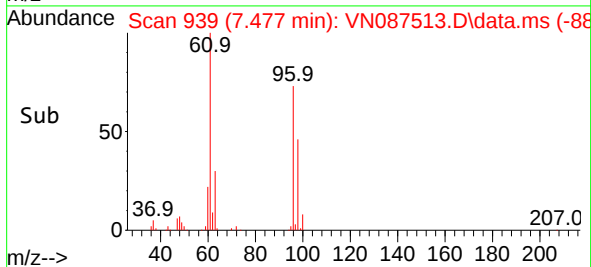
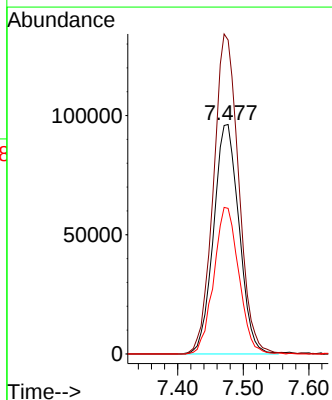
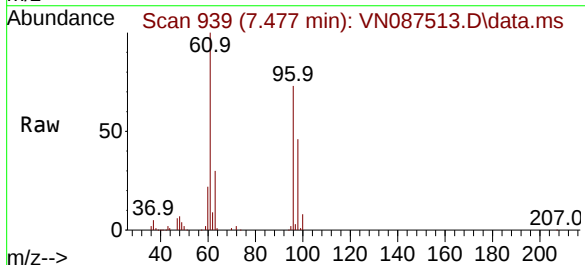
Instrument :
MSVOA_N
ClientSampleId :
1057-MW-03A(17)

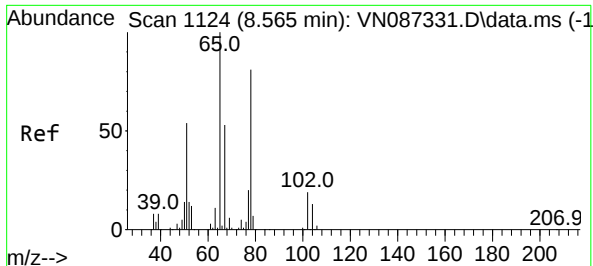
Tgt Ion: 96 Resp: 18909
Ion Ratio Lower Upper
96 100
61 155.0 122.0 183.0
98 54.9 50.0 75.0



#27
cis-1,2-Dichloroethene
Concen: 70.448 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087513.D
Acq: 12 Aug 2025 14:46

Tgt Ion: 96 Resp: 259520
Ion Ratio Lower Upper
96 100
61 138.0 0.0 297.8
98 62.8 0.0 132.4





#33

1,2-Dichloroethane-d4

Concen: 60.581 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087513.D

Acq: 12 Aug 2025 14:46

Instrument :

MSVOA_N

ClientSampleId :

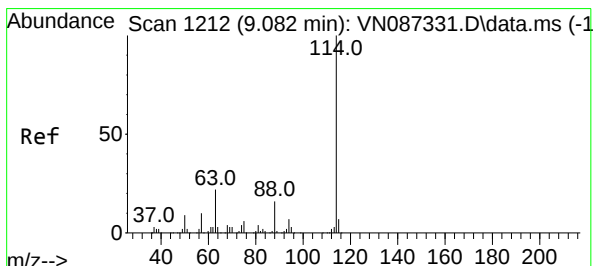
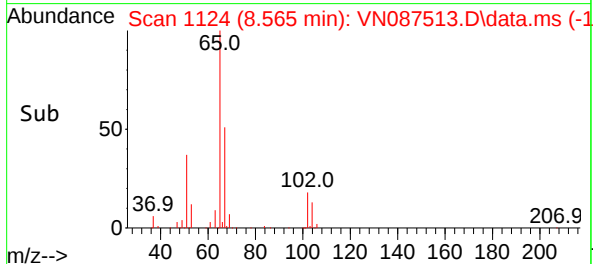
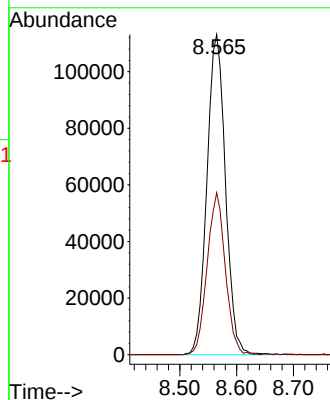
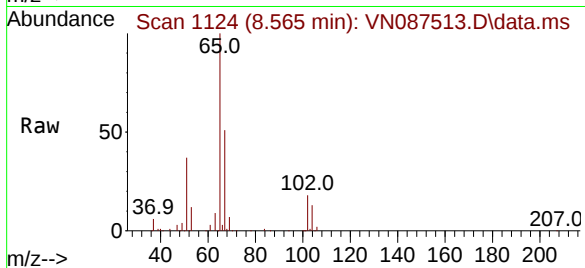
1057-MW-03A(17)

Tgt Ion: 65 Resp: 255488

Ion Ratio Lower Upper

65 100

67 49.6 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087513.D

Acq: 12 Aug 2025 14:46

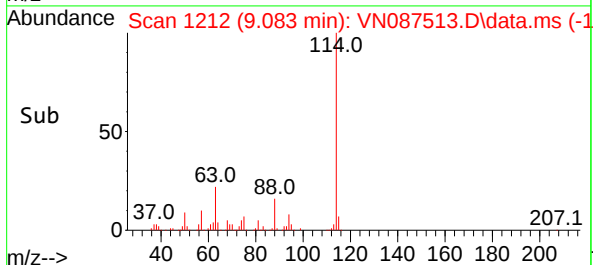
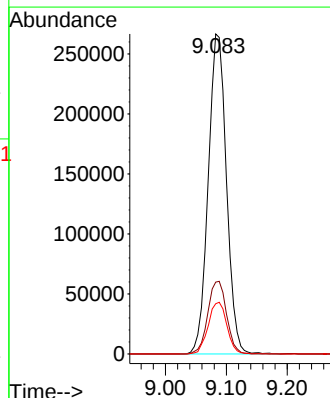
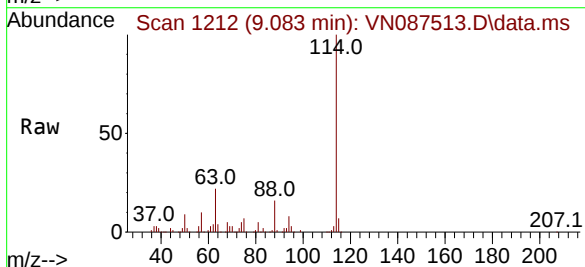
Tgt Ion: 114 Resp: 554436

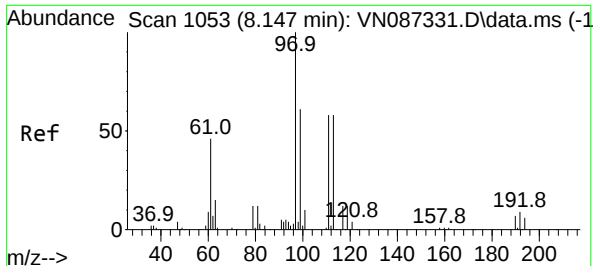
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.6

88 15.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.035 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087513.D

Acq: 12 Aug 2025 14:46

Instrument :

MSVOA_N

ClientSampleId :

1057-MW-03A(17)

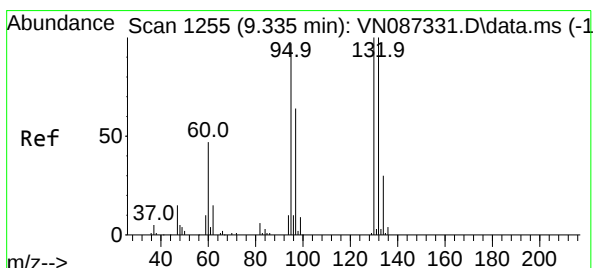
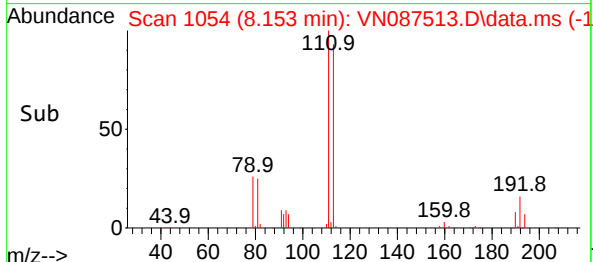
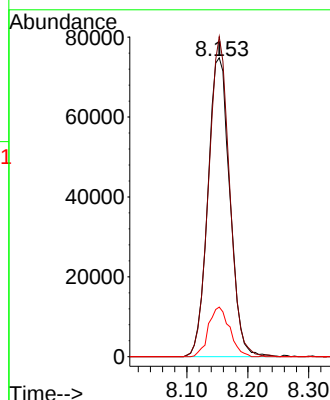
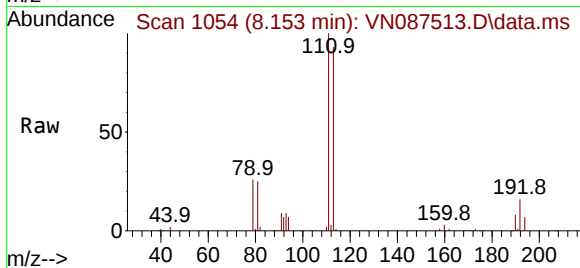
Tgt Ion:113 Resp: 187535

Ion Ratio Lower Upper

113 100

111 101.7 82.5 123.7

192 16.0 13.7 20.5



#44

Trichloroethene

Concen: 116.863 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VN087513.D

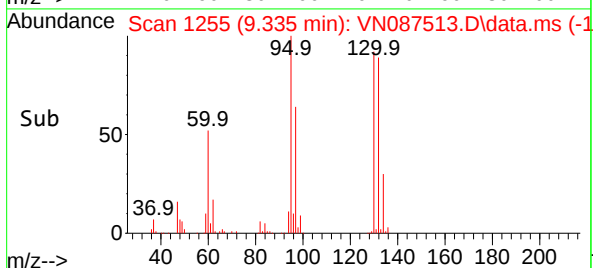
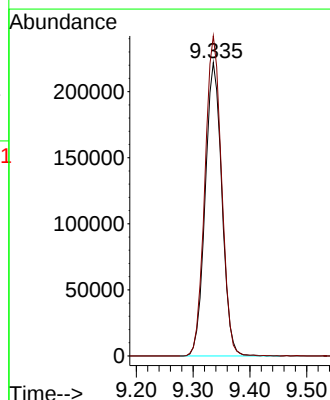
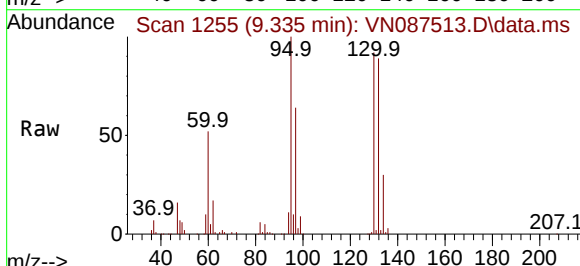
Acq: 12 Aug 2025 14:46

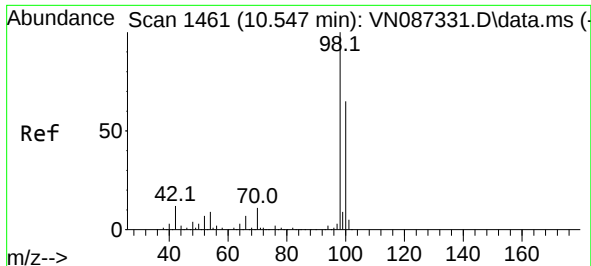
Tgt Ion:130 Resp: 450946

Ion Ratio Lower Upper

130 100

95 109.1 0.0 195.2

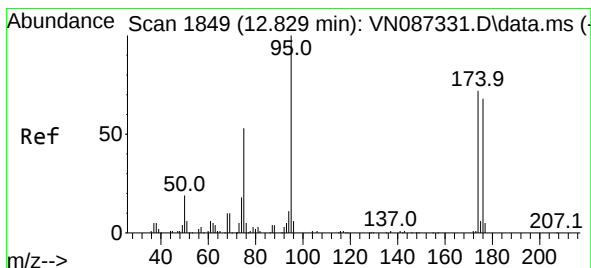
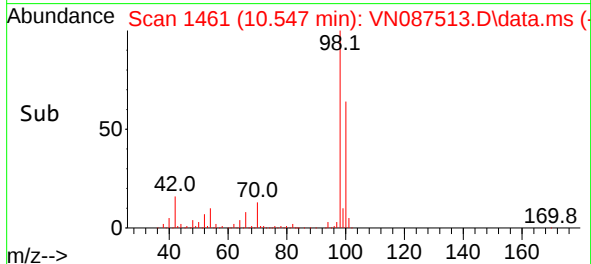
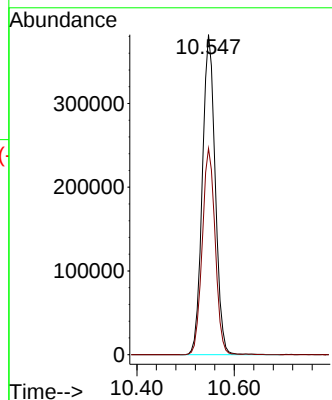
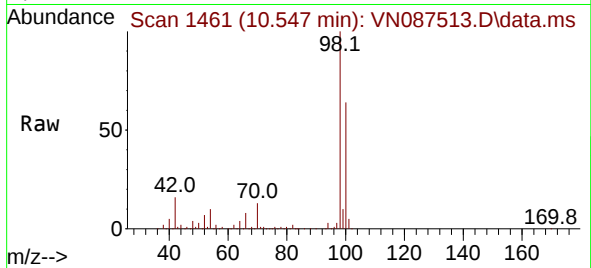




#50
Toluene-d8
Concen: 51.369 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087513.D
Acq: 12 Aug 2025 14:46

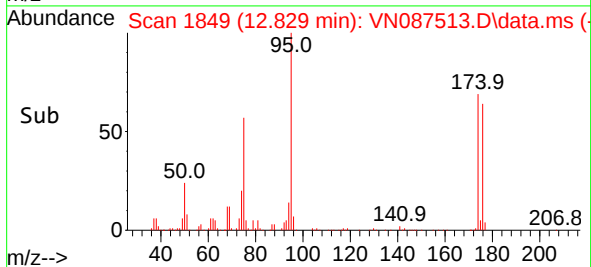
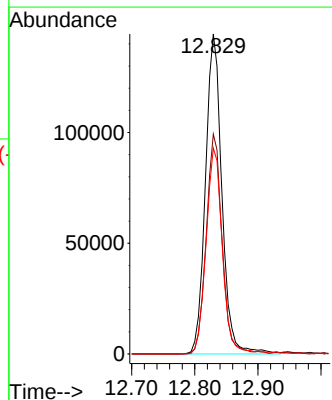
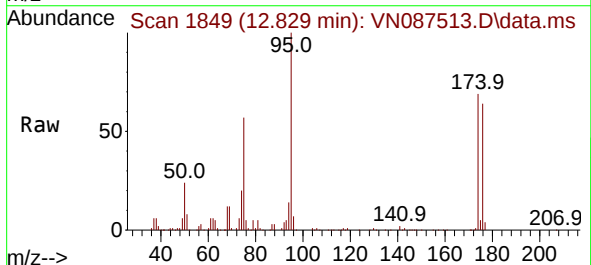
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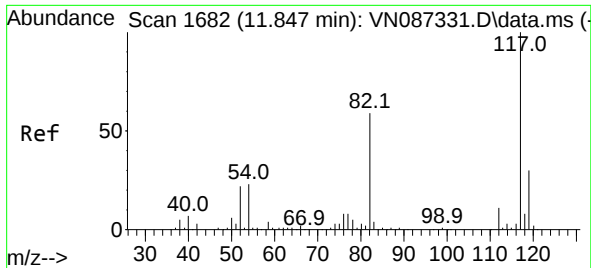
Tgt Ion: 98 Resp: 700794
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 51.930 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087513.D
Acq: 12 Aug 2025 14:46

Tgt Ion: 95 Resp: 261737
Ion Ratio Lower Upper
95 100
174 66.5 0.0 149.4
176 63.7 0.0 141.2

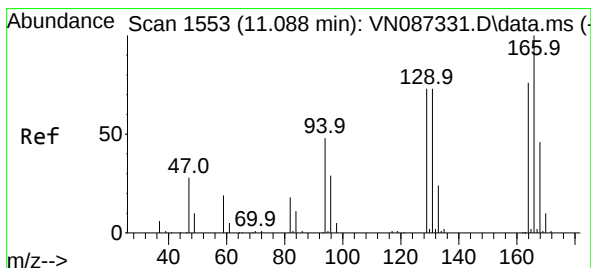
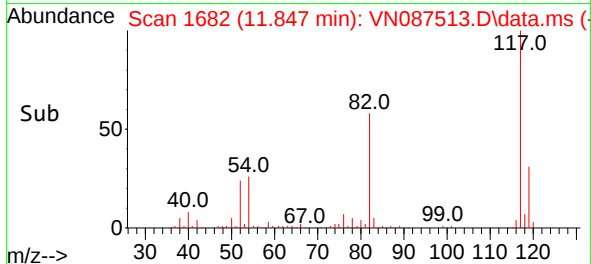
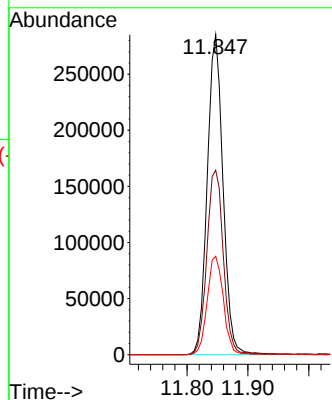
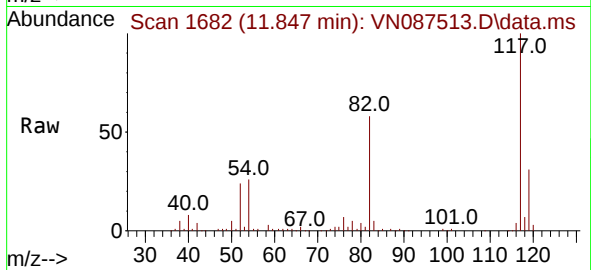




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087513.D
Acq: 12 Aug 2025 14:46

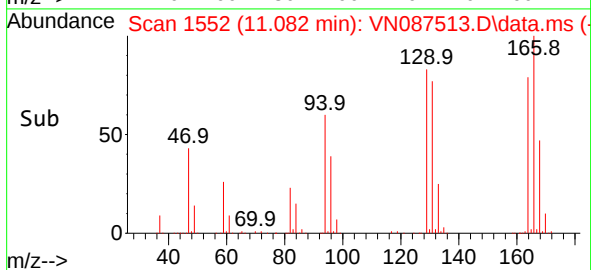
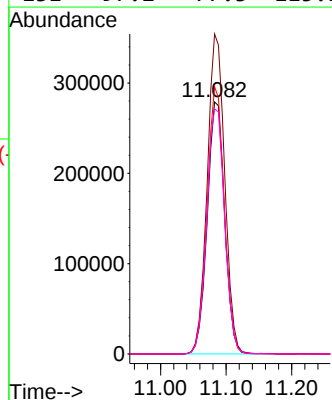
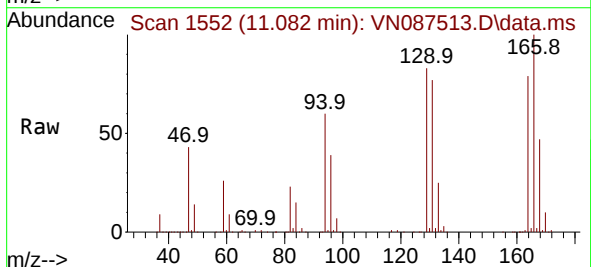
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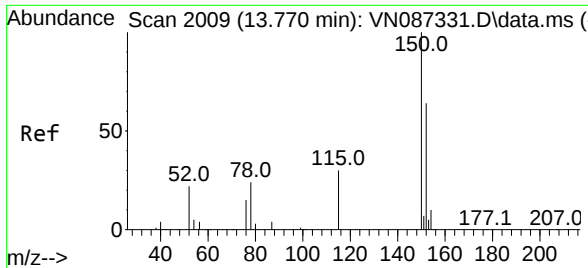
Tgt Ion:117 Resp: 512804
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.2
119 30.7 23.8 35.8



#64
Tetrachloroethene
Concen: 156.096 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087513.D
Acq: 12 Aug 2025 14:46

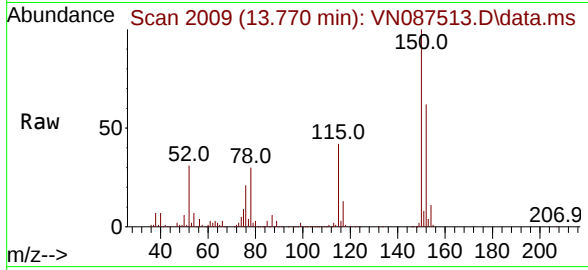
Tgt Ion:164 Resp: 515186
Ion Ratio Lower Upper
164 100
166 126.9 105.5 158.3
129 106.0 77.4 116.2
131 97.2 77.3 115.9





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087513.D
 Acq: 12 Aug 2025 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 1057-MW-03A(17)



Tgt Ion:152 Resp: 233578
 Ion Ratio Lower Upper
 152 100
 115 66.5 31.1 93.5
 150 159.8 0.0 349.0

