

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110625\
 Data File : VN088214.D
 Acq On : 06 Nov 2025 17:56
 Operator : JC\MD
 Sample : Q3560-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SY-10I

Quant Time: Nov 07 02:23:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

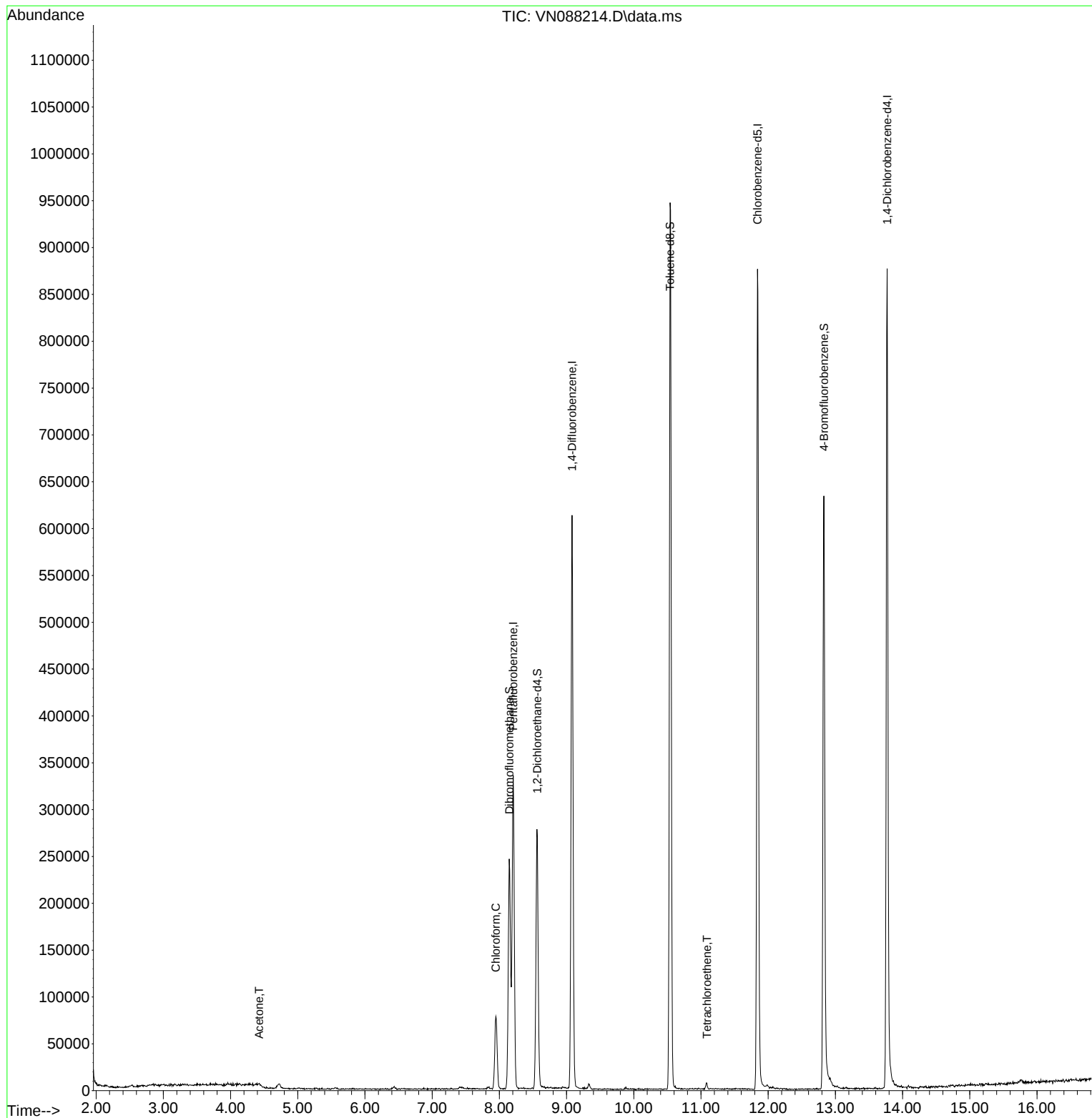
Internal Standards						
1) Pentafluorobenzene	8.206	168	219388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	502558	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	478183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	228398	60.205	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 120.400%		
35) Dibromofluoromethane	8.147	113	172195	51.002	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.000%		
50) Toluene-d8	10.541	98	647041	49.738	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.480%		
62) 4-Bromofluorobenzene	12.829	95	247299	53.827	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 107.660%		
Target Compounds						
						Qvalue
16) Acetone	4.424	43	5666	2.973	ug/l	94
30) Chloroform	7.947	83	75071	13.346	ug/l	99
64) Tetrachloroethene	11.088	164	1438	0.456	ug/l #	89

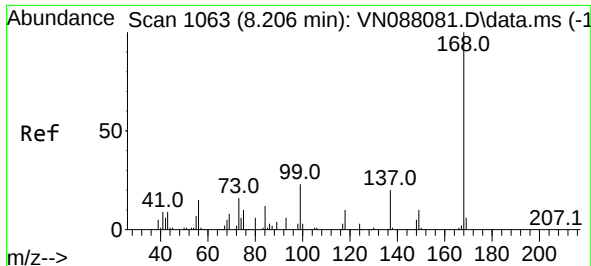
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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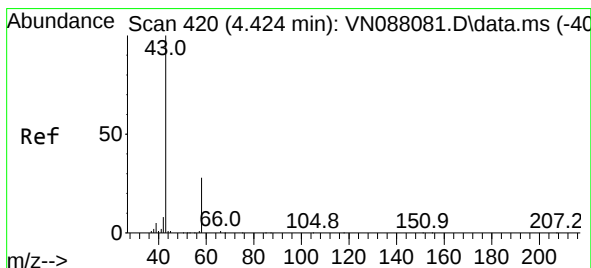
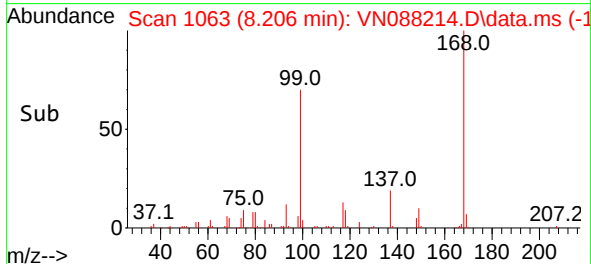
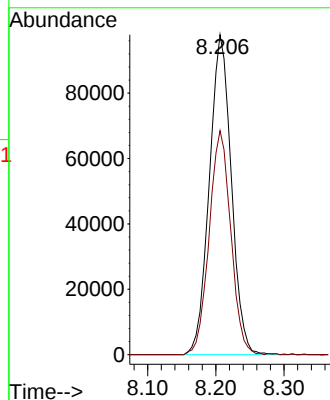
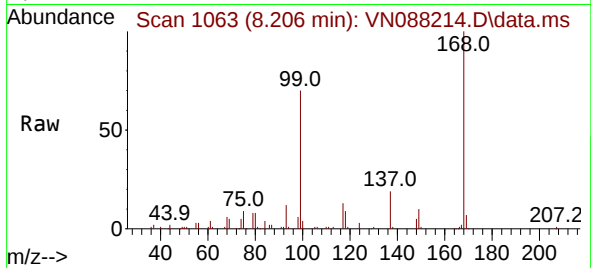




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

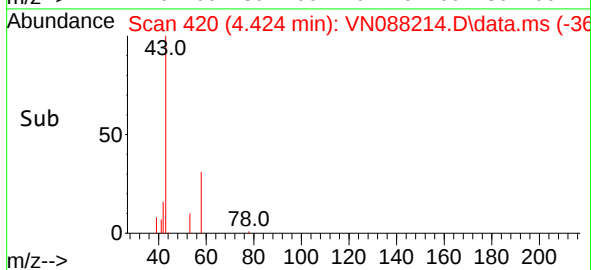
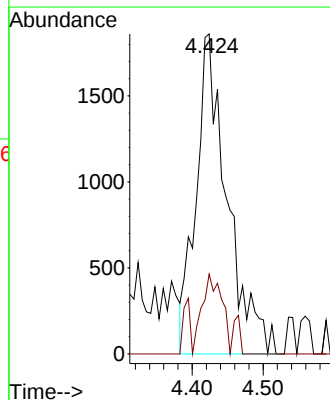
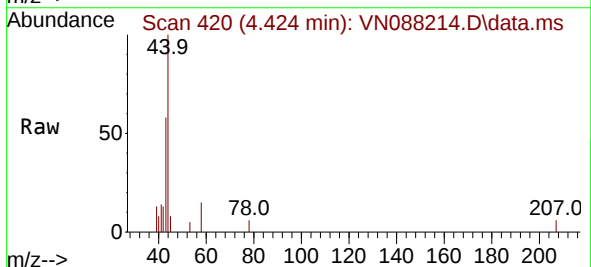
Instrument :
MSVOA_N
ClientSampleId :
SY-10I

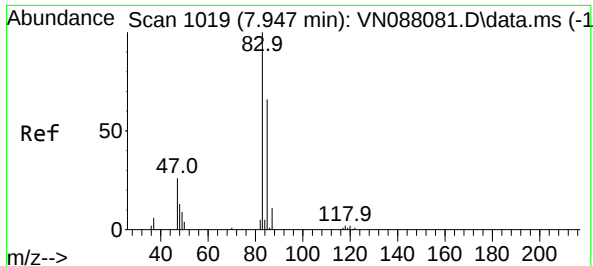
Tgt Ion:168 Resp: 219388
Ion Ratio Lower Upper
168 100
99 70.0 57.2 85.8



#16
Acetone
Concen: 2.973 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion: 43 Resp: 5666
Ion Ratio Lower Upper
43 100
58 24.9 22.6 33.8





#30

Chloroform

Concen: 13.346 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VN088214.D

Acq: 06 Nov 2025 17:56

Instrument :

MSVOA_N

ClientSampleId :

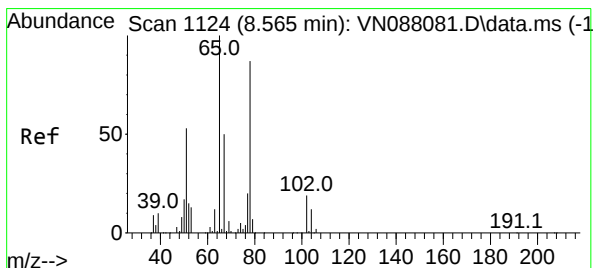
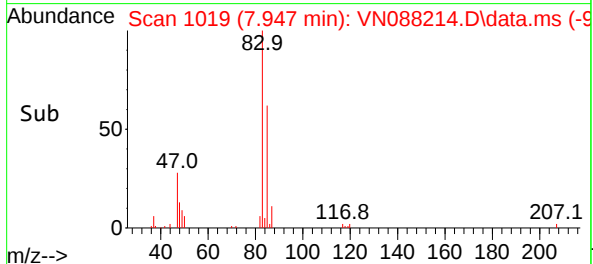
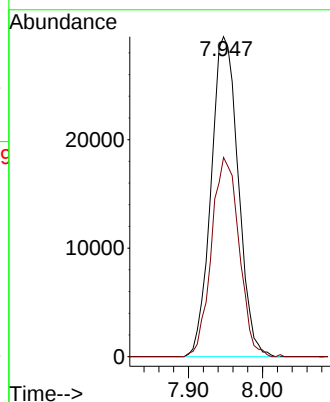
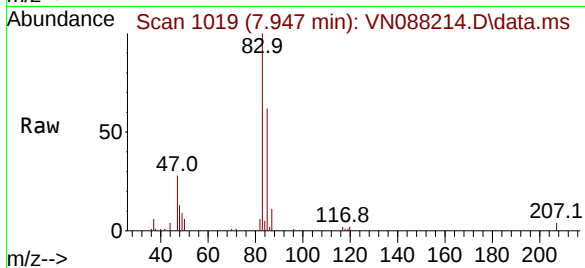
SY-10I

Tgt Ion: 83 Resp: 75071

Ion Ratio Lower Upper

83 100

85 62.3 50.7 76.1



#33

1,2-Dichloroethane-d4

Concen: 60.205 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088214.D

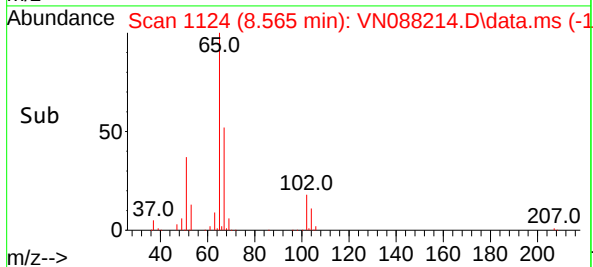
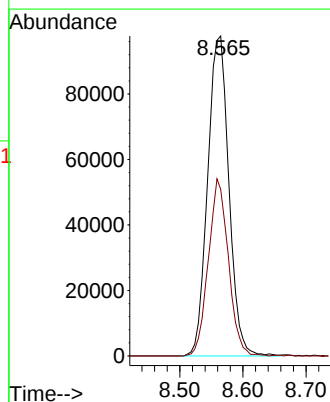
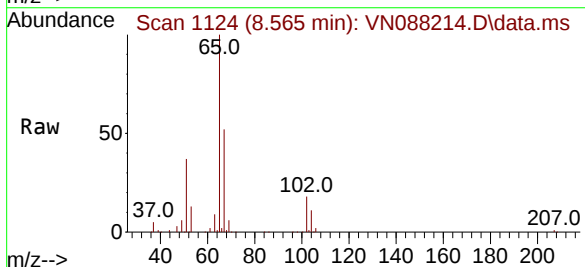
Acq: 06 Nov 2025 17:56

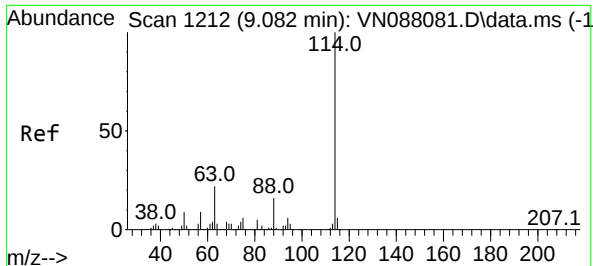
Tgt Ion: 65 Resp: 228398

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088214.D

Acq: 06 Nov 2025 17:56

Instrument :

MSVOA_N

ClientSampleId :

SY-10I

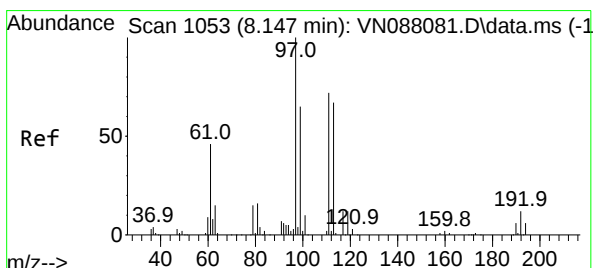
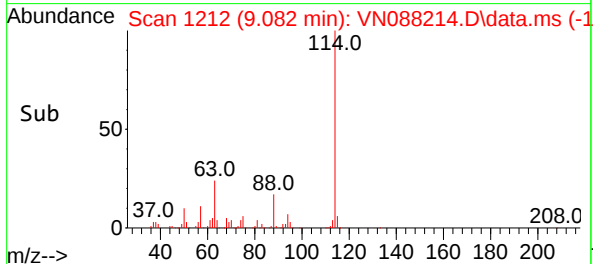
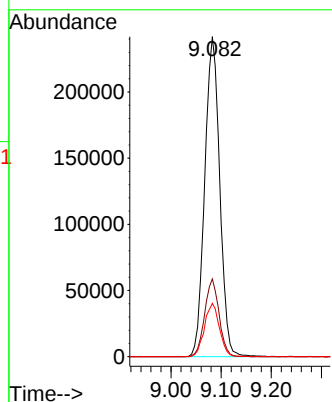
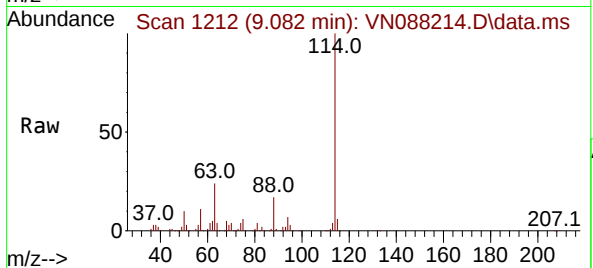
Tgt Ion:114 Resp: 502558

Ion Ratio Lower Upper

114 100

63 24.3 0.0 45.2

88 16.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.002 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088214.D

Acq: 06 Nov 2025 17:56

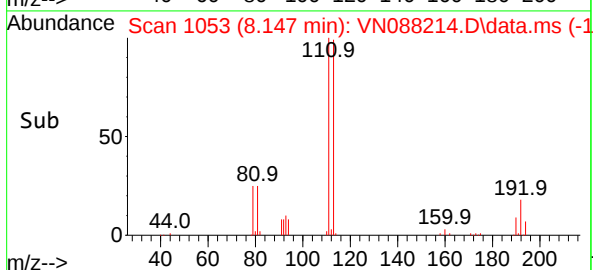
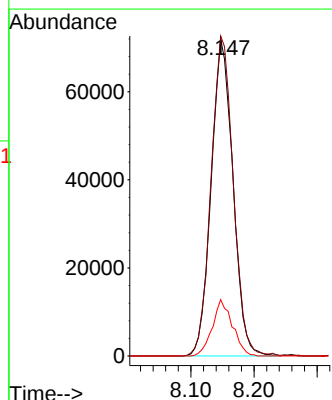
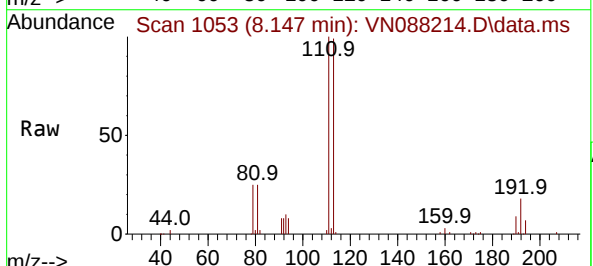
Tgt Ion:113 Resp: 172195

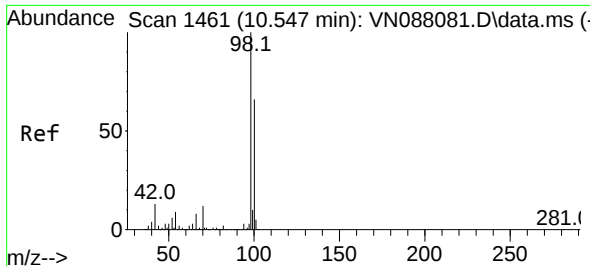
Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 16.4 12.8 19.2

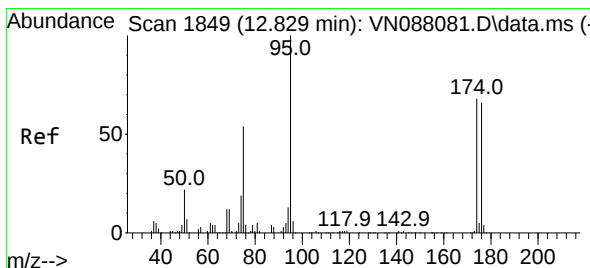
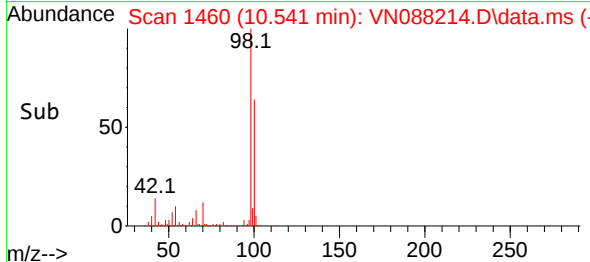
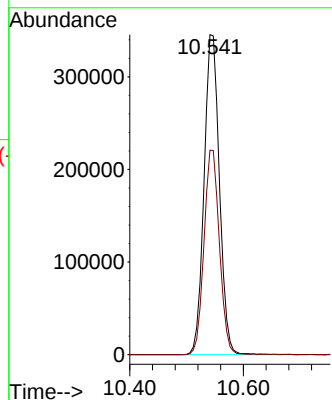
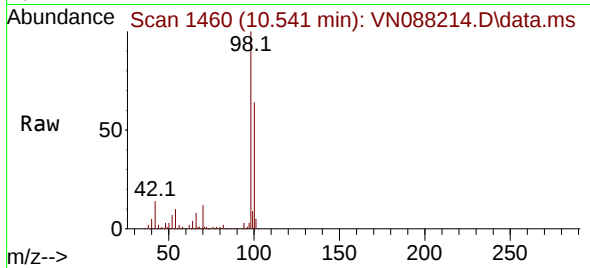




#50
Toluene-d8
Concen: 49.738 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

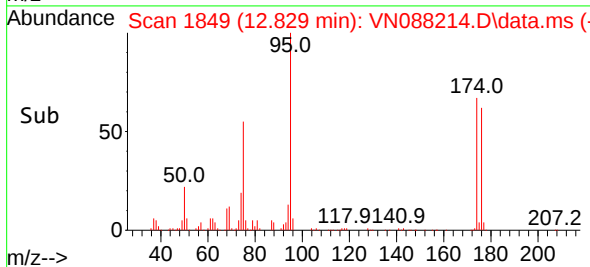
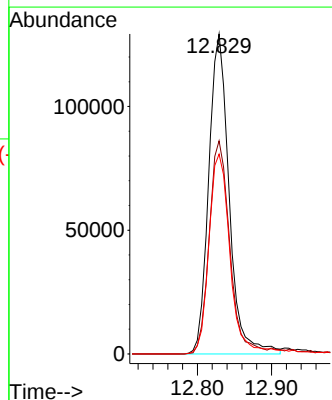
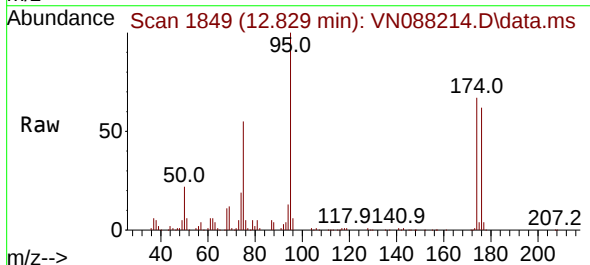
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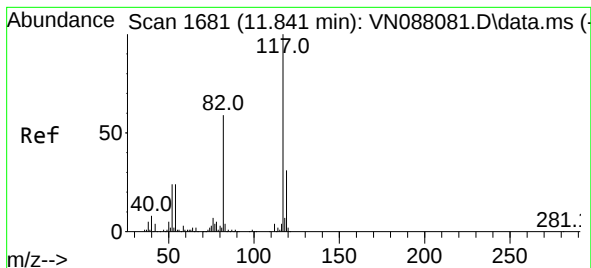
Tgt Ion: 98 Resp: 647041
Ion Ratio Lower Upper
98 100
100 64.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 53.827 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion: 95 Resp: 247299
Ion Ratio Lower Upper
95 100
174 67.1 0.0 138.4
176 65.8 0.0 132.6

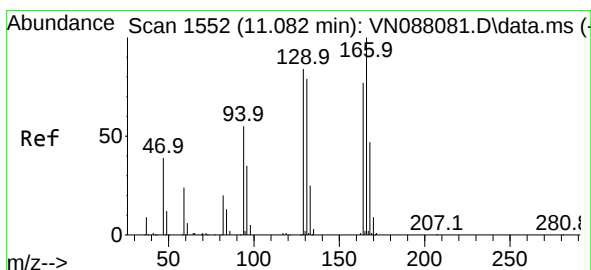
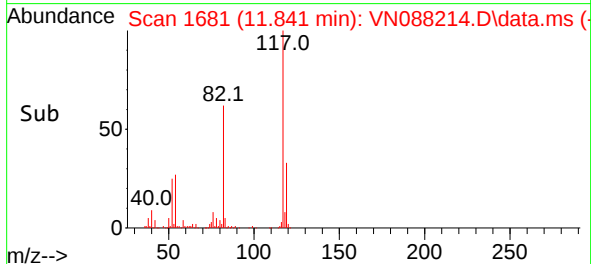
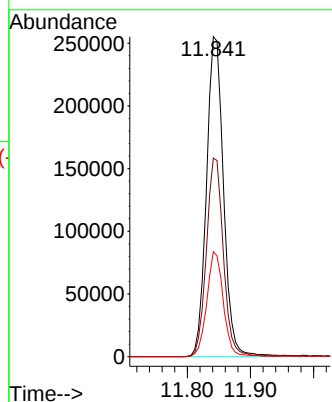
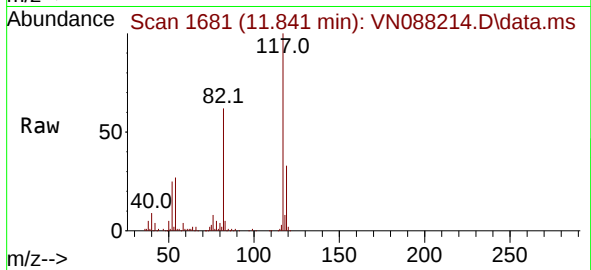




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

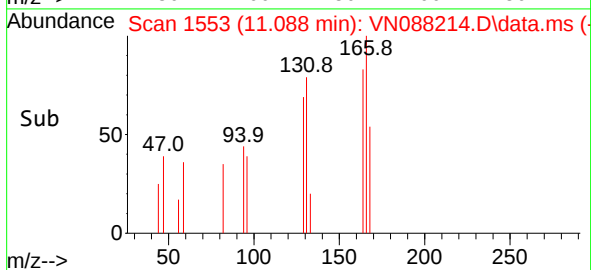
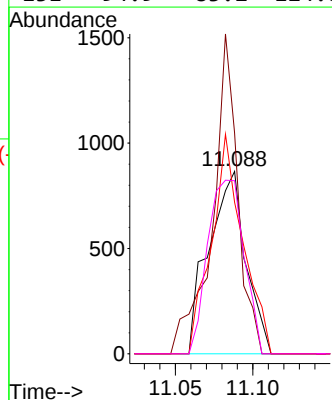
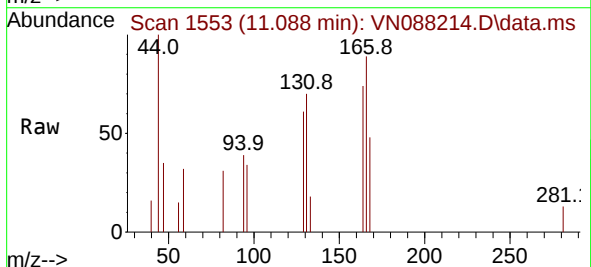
Instrument :
MSVOA_N
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SY-10I

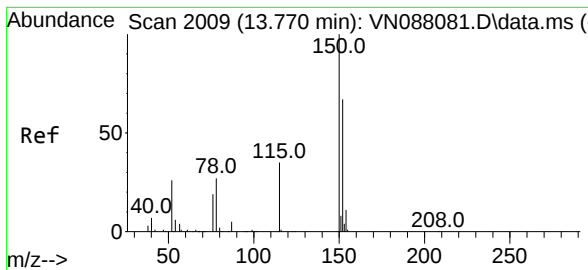
Tgt Ion:117 Resp: 478183
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 32.8 24.3 36.5



#64
Tetrachloroethene
Concen: 0.456 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. 0.006 min
Lab File: VN088214.D
Acq: 06 Nov 2025 17:56

Tgt Ion:164 Resp: 1438
Ion Ratio Lower Upper
164 100
166 120.9 97.7 146.5
129 83.0 85.9 128.9#
131 94.9 83.2 124.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN088214.D
 Acq: 06 Nov 2025 17:56

Instrument :
 MSVOA_N
 ClientSampleId :
 SY-10I

Tgt Ion:	152	Resp:	233723
Ion	Ratio	Lower	Upper
152	100		
115	64.8	32.3	96.8
150	156.7	0.0	351.0

