

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088115.D
 Acq On : 27 Oct 2025 15:36
 Operator : JC\MD
 Sample : Q3451-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-11

Quant Time: Oct 28 01:28:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

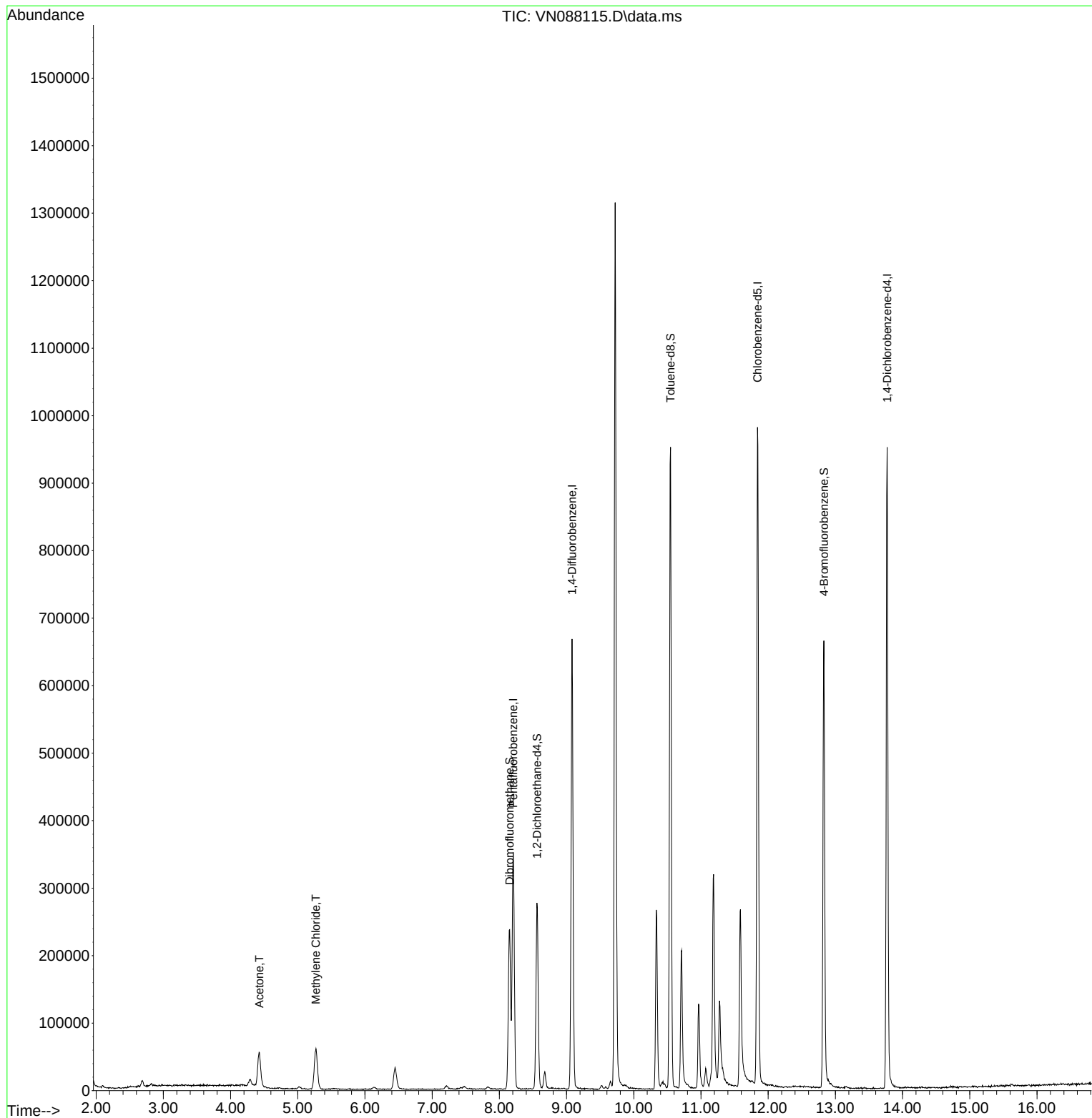
Internal Standards						
1) Pentafluorobenzene	8.206	168	230912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	528997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	520621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	245170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	230052	57.615	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.220%
35) Dibromofluoromethane	8.153	113	169128	47.590	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.180%
50) Toluene-d8	10.547	98	628054	45.865	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.740%
62) 4-Bromofluorobenzene	12.829	95	240805	49.794	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.580%
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	107115	53.397	ug/l	98
20) Methylene Chloride	5.271	84	44825	14.908	ug/l	92

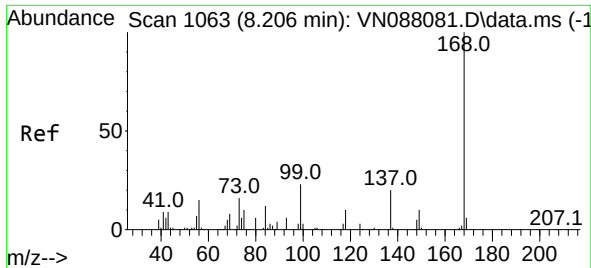
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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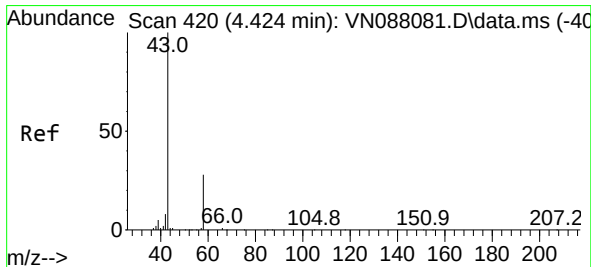
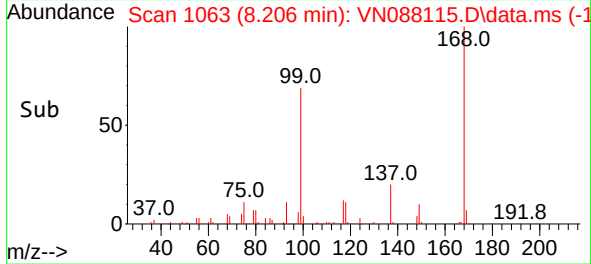
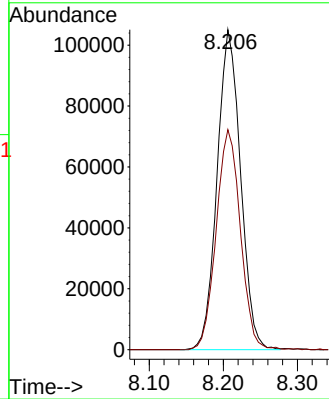
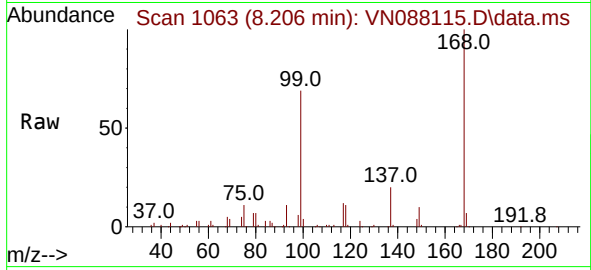




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088115.D
Acq: 27 Oct 2025 15:36

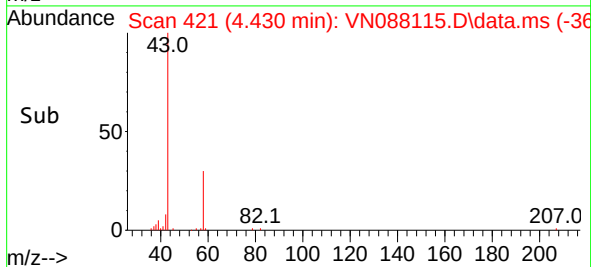
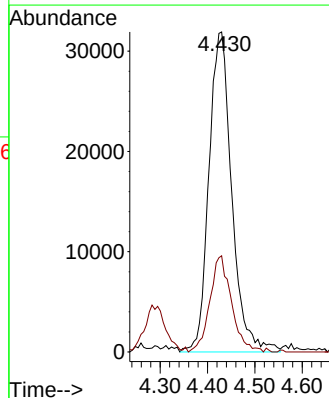
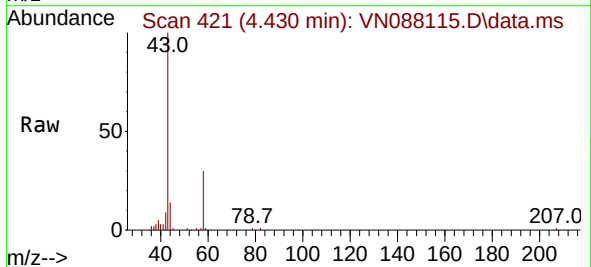
Instrument :
MSVOA_N
ClientSampleId :
TP-11

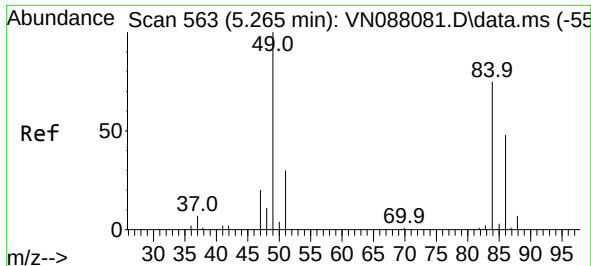
Tgt Ion:168 Resp: 230912
Ion Ratio Lower Upper
168 100
99 68.7 57.2 85.8



#16
Acetone
Concen: 53.397 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088115.D
Acq: 27 Oct 2025 15:36

Tgt Ion: 43 Resp: 107115
Ion Ratio Lower Upper
43 100
58 29.4 22.6 33.8



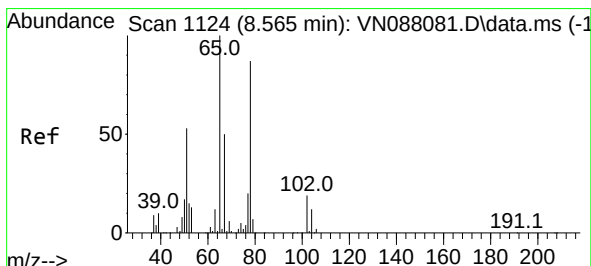
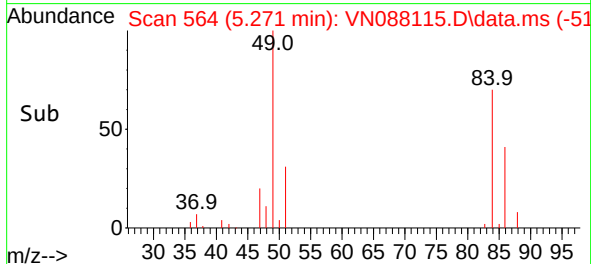
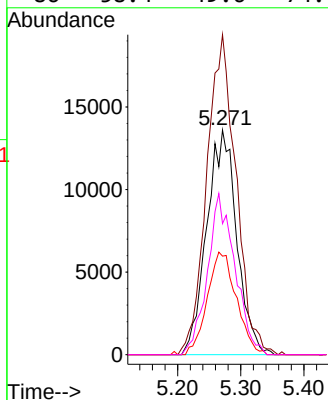
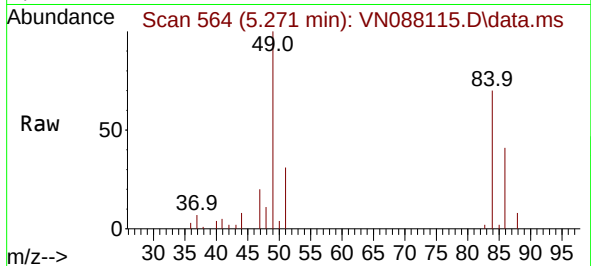


#20
Methylene Chloride
Concen: 14.908 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088115.D
Acq: 27 Oct 2025 15:36

Instrument :
MSVOA_N
ClientSampleId :
TP-11

Tgt Ion: 84 Resp: 44825

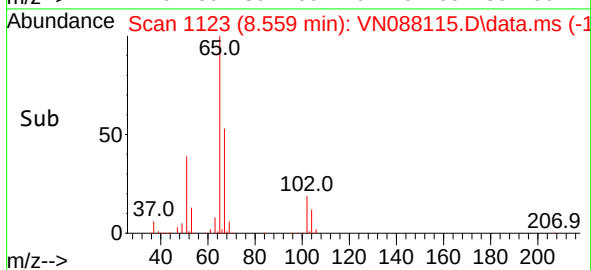
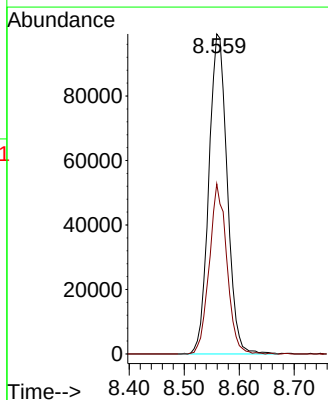
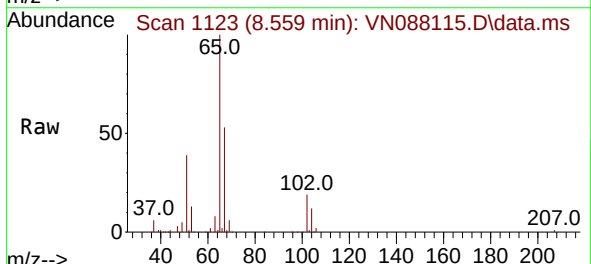
Ion	Ratio	Lower	Upper
84	100		
49	142.5	103.4	155.2
51	43.9	33.8	50.8
86	58.4	49.6	74.4

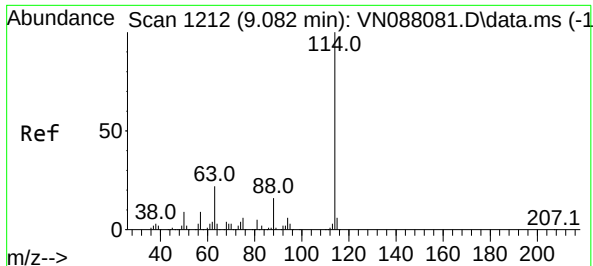


#33
1,2-Dichloroethane-d4
Concen: 57.615 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088115.D
Acq: 27 Oct 2025 15:36

Tgt Ion: 65 Resp: 230052

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088115.D

Acq: 27 Oct 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

TP-11

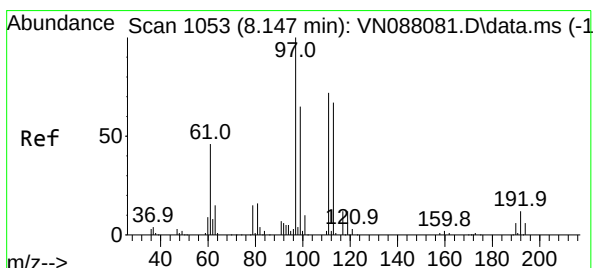
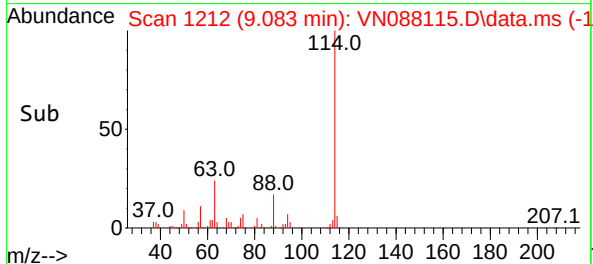
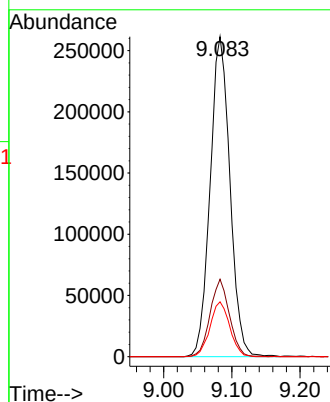
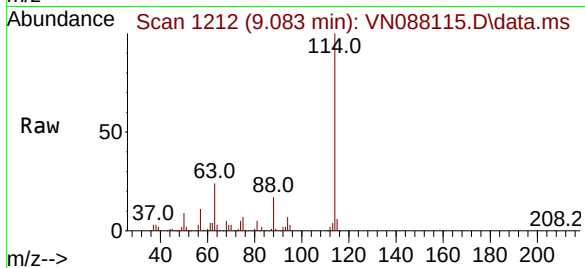
Tgt Ion:114 Resp: 528997

Ion Ratio Lower Upper

114 100

63 24.2 0.0 45.2

88 17.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 47.590 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088115.D

Acq: 27 Oct 2025 15:36

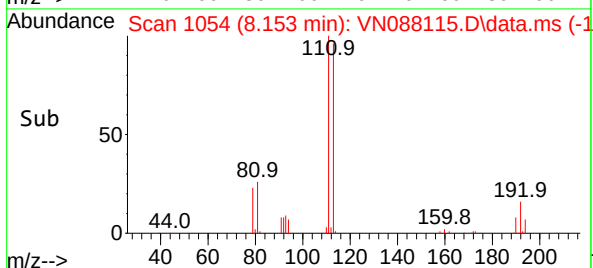
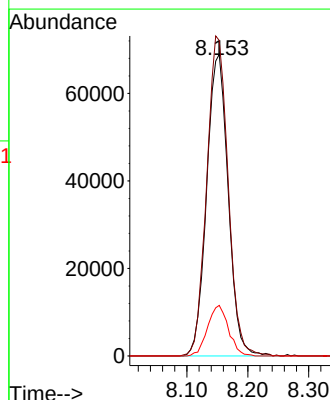
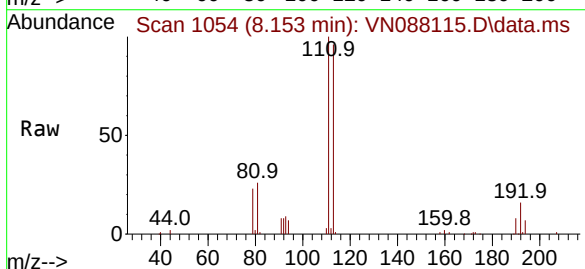
Tgt Ion:113 Resp: 169128

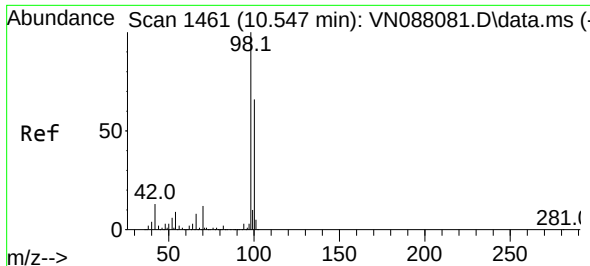
Ion Ratio Lower Upper

113 100

111 105.7 82.8 124.2

192 16.3 12.8 19.2

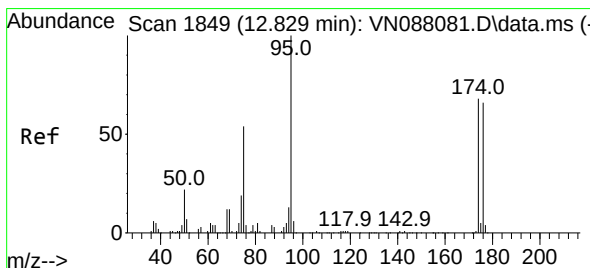
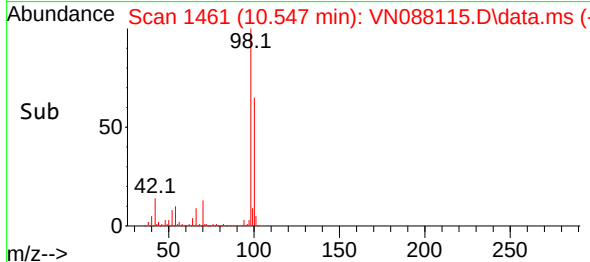
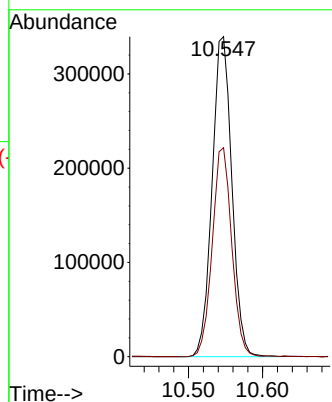
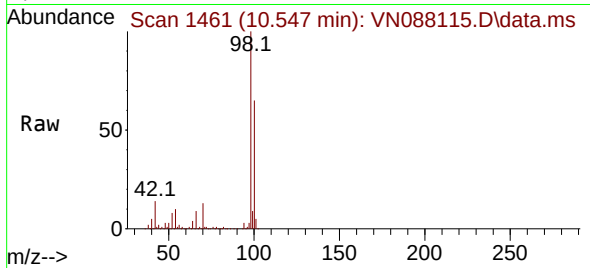




#50
Toluene-d8
Concen: 45.865 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088115.D
Acq: 27 Oct 2025 15:36

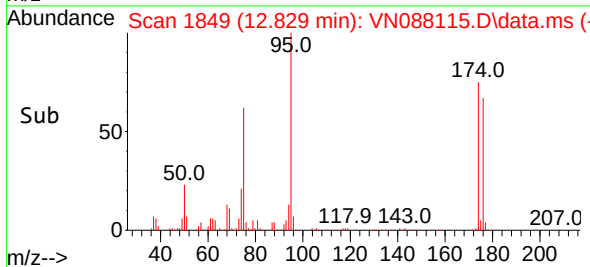
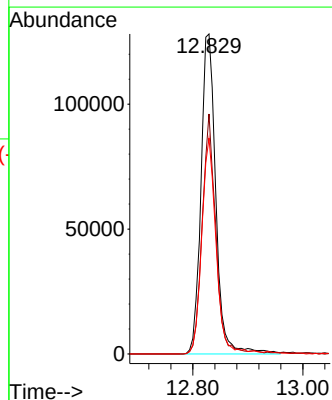
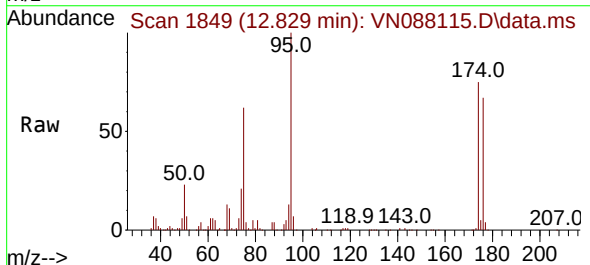
Instrument :
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ClientSampleId :
TP-11

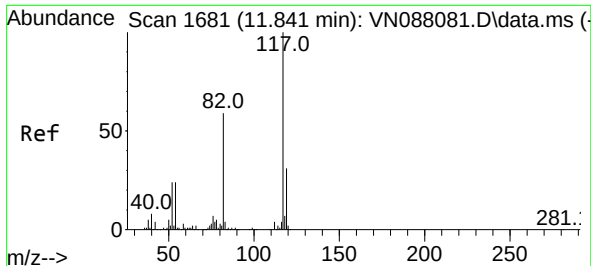
Tgt Ion: 98 Resp: 628054
Ion Ratio Lower Upper
98 100
100 64.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 49.794 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088115.D
Acq: 27 Oct 2025 15:36

Tgt Ion: 95 Resp: 240805
Ion Ratio Lower Upper
95 100
174 68.0 0.0 138.4
176 65.1 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: VN088115.D

Acq: 27 Oct 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

TP-11

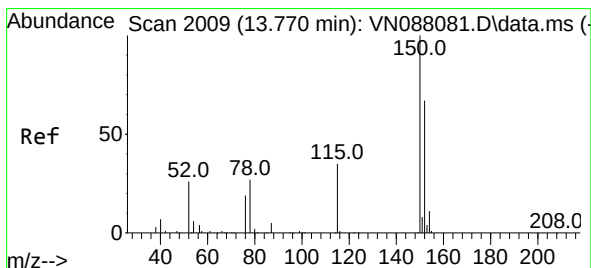
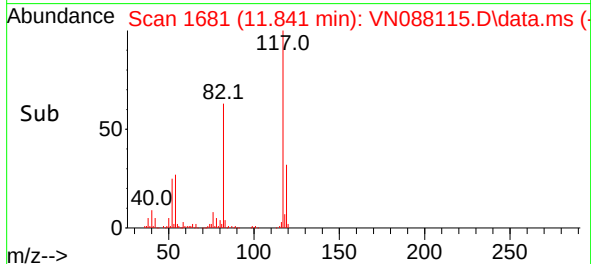
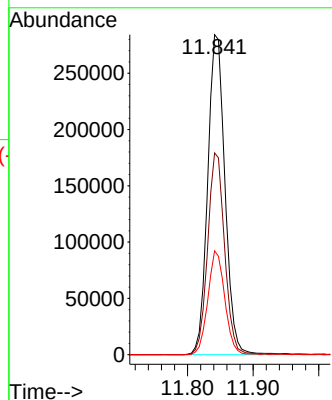
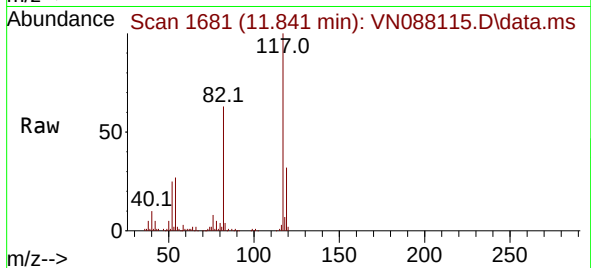
Tgt Ion:117 Resp: 520621

Ion Ratio Lower Upper

117 100

82 63.0 47.4 71.2

119 32.5 24.3 36.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088115.D

Acq: 27 Oct 2025 15:36

Tgt Ion:152 Resp: 245170

Ion Ratio Lower Upper

152 100

115 65.7 32.3 96.8

150 158.7 0.0 351.0

