

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088259.D
 Acq On : 11 Nov 2025 15:47
 Operator : JC\MD
 Sample : Q3601-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Nov 12 01:17:48 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)

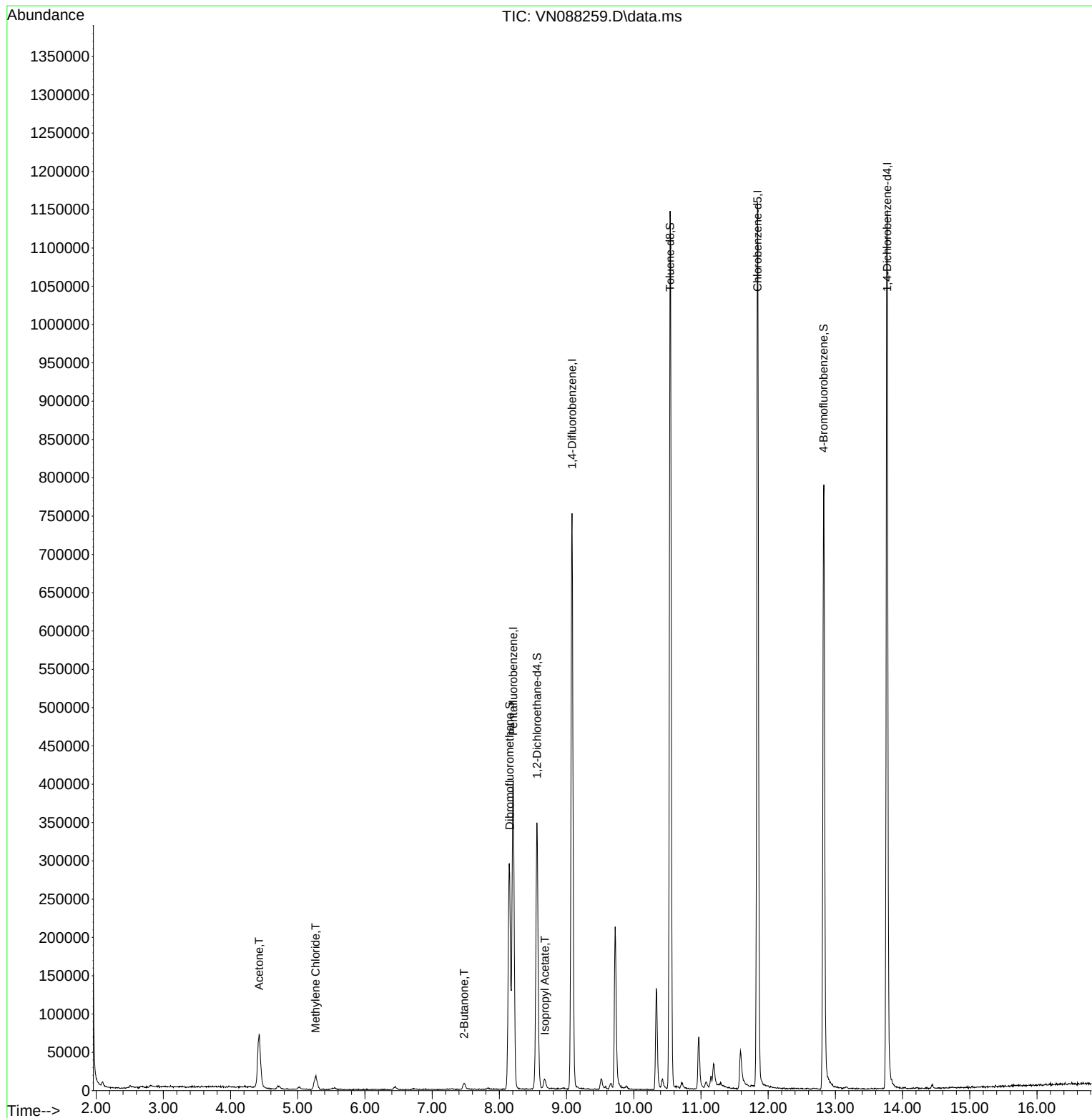
Internal Standards						
1) Pentafluorobenzene	8.206	168	266691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	611385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	618225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	294183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	288204	62.495	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 124.980%		
35) Dibromofluoromethane	8.153	113	208730	50.819	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.640%		
50) Toluene-d8	10.541	98	763629	48.251	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 96.500%		
62) 4-Bromofluorobenzene	12.823	95	297214	53.176	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 106.360%		
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	140628	60.699	ug/l	100
20) Methylene Chloride	5.265	84	12626	3.247	ug/l	96
25) 2-Butanone	7.477	43	15889	5.204	ug/l	95
43) Isopropyl Acetate	8.677	43	15850	1.333	ug/l #	92

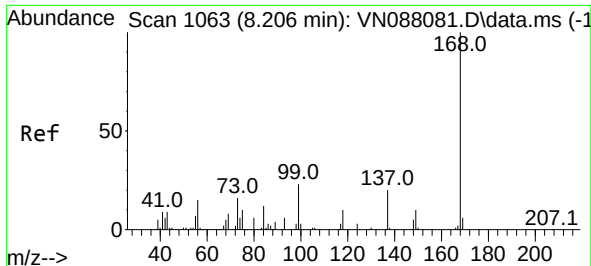
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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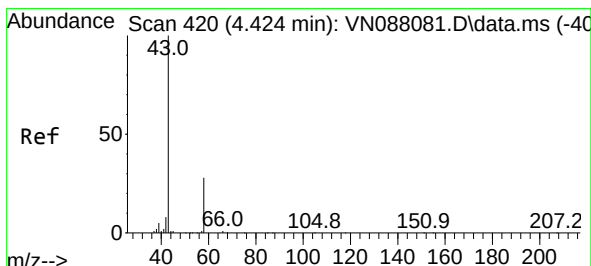
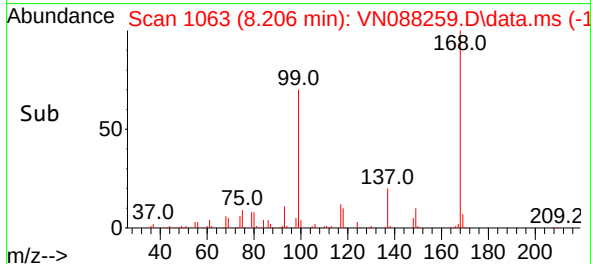
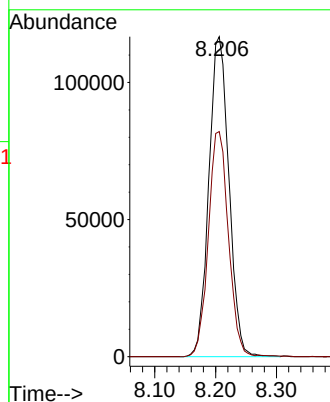
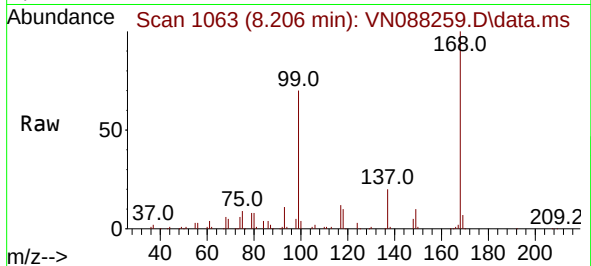




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088259.D
Acq: 11 Nov 2025 15:47

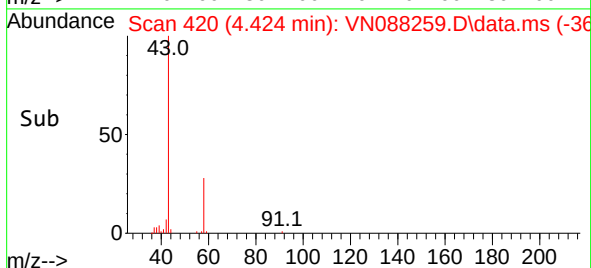
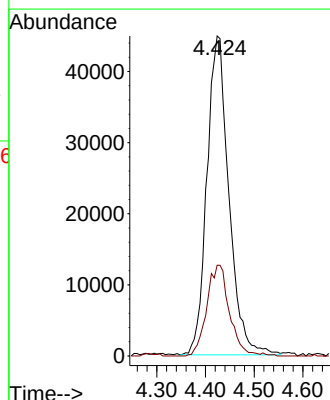
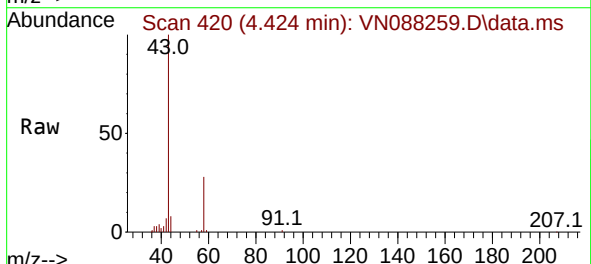
Instrument :
MSVOA_N
ClientSampleId :
TP-4

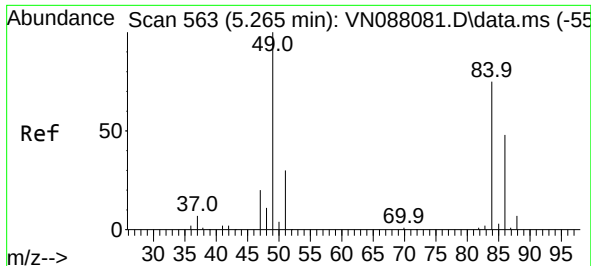
Tgt Ion:168 Resp: 266691
Ion Ratio Lower Upper
168 100
99 70.4 57.2 85.8



#16
Acetone
Concen: 60.699 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088259.D
Acq: 11 Nov 2025 15:47

Tgt Ion: 43 Resp: 140628
Ion Ratio Lower Upper
43 100
58 28.5 22.6 33.8

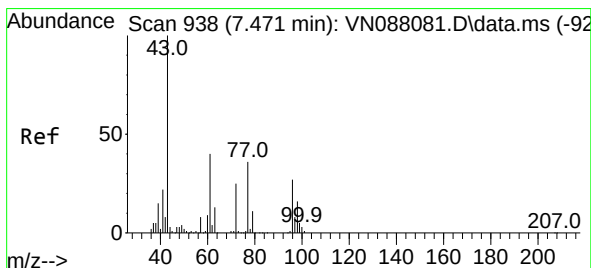
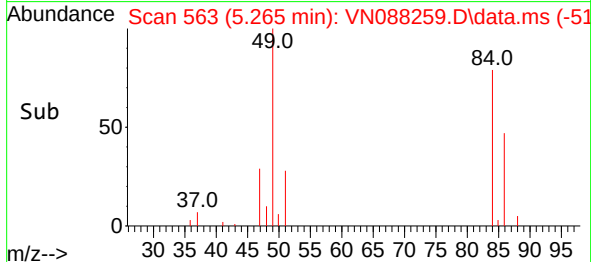
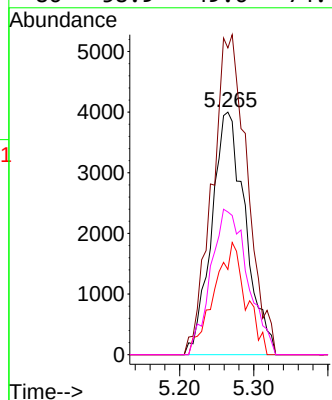
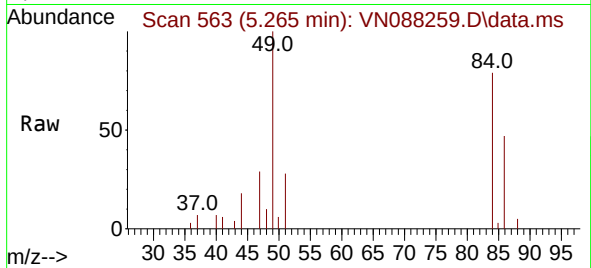




#20
Methylene Chloride
Concen: 3.247 ug/l
RT: 5.265 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN088259.D
Acq: 11 Nov 2025 15:47

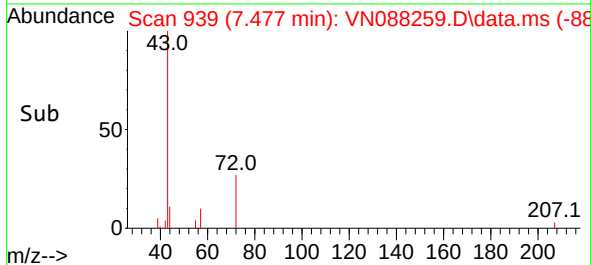
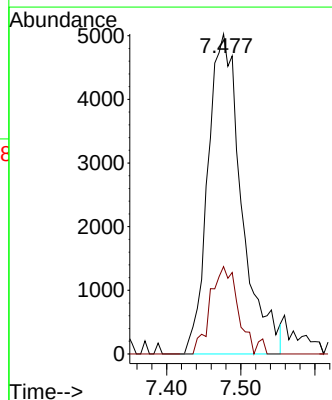
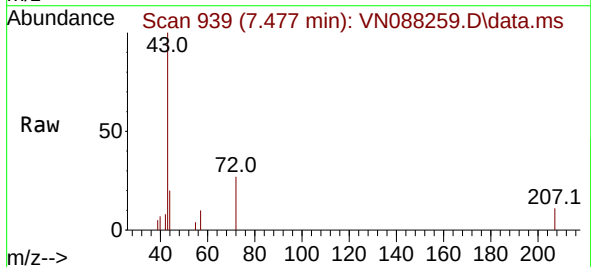
Instrument :
MSVOA_N
ClientSampleId :
TP-4

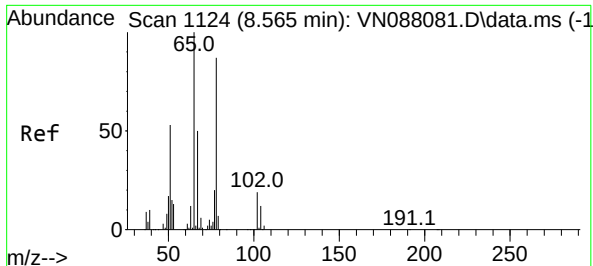
Tgt Ion: 84	Resp: 12626
Ion Ratio	Lower Upper
84 100	
49 126.4	103.4 155.2
51 35.1	33.8 50.8
86 58.9	49.6 74.4



#25
2-Butanone
Concen: 5.204 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088259.D
Acq: 11 Nov 2025 15:47

Tgt Ion: 43	Resp: 15889
Ion Ratio	Lower Upper
43 100	
72 27.3	19.9 29.9

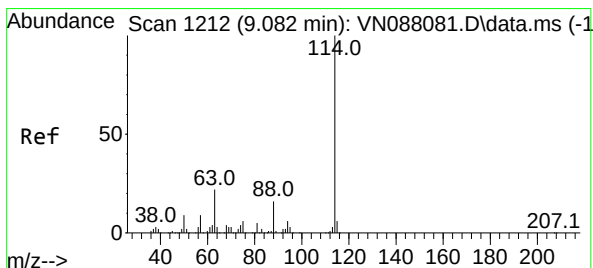
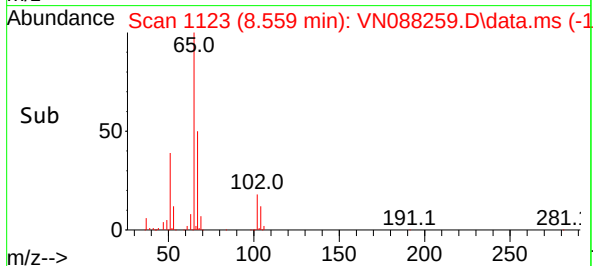
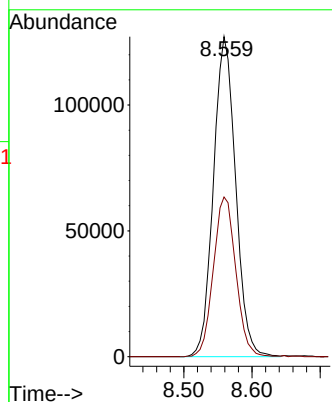
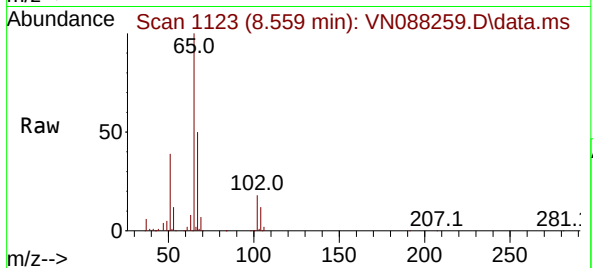




#33
1,2-Dichloroethane-d4
Concen: 62.495 ug/l
RT: 8.559 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN088259.D
Acq: 11 Nov 2025 15:47

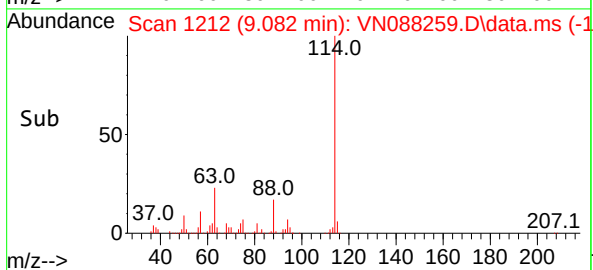
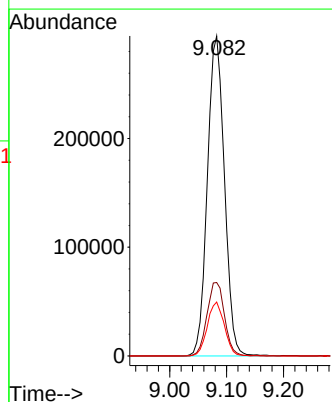
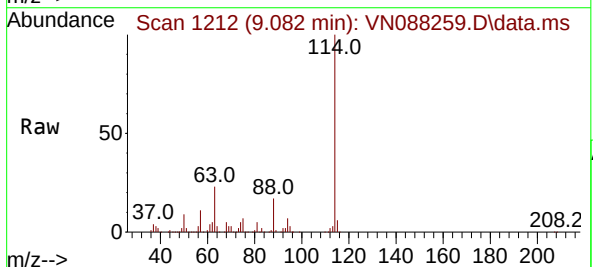
Instrument :
MSVOA_N
ClientSampleId :
TP-4

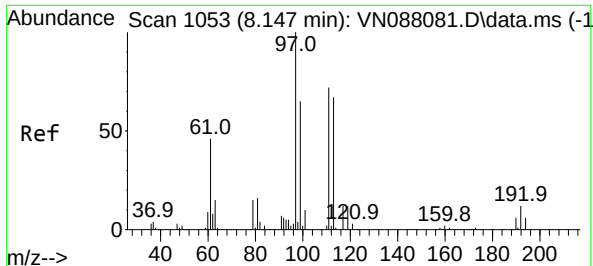
Tgt Ion: 65 Resp: 288204
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088259.D
Acq: 11 Nov 2025 15:47

Tgt Ion: 114 Resp: 611385
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.2
88 16.8 0.0 33.4

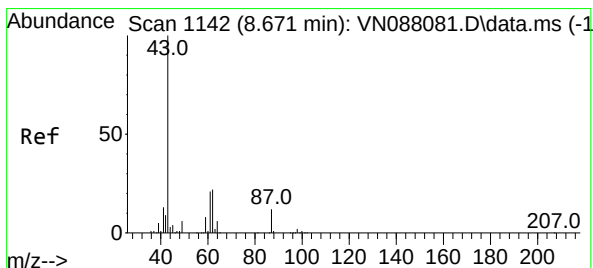
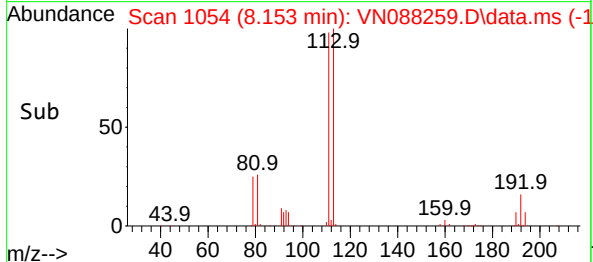
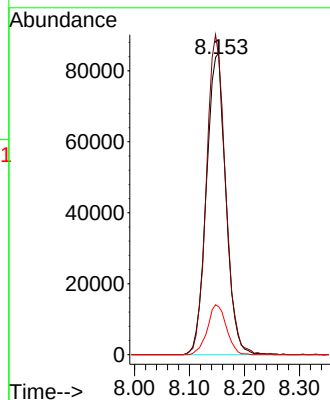
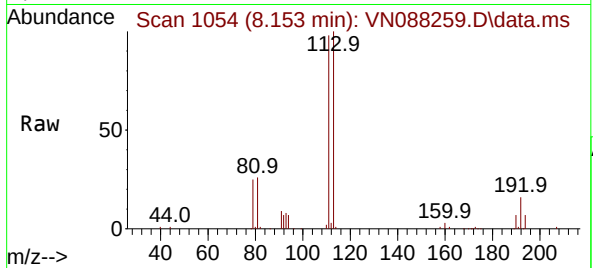




#35
Dibromofluoromethane
Concen: 50.819 ug/l
RT: 8.153 min Scan# 1113
Delta R.T. -0.000 min
Lab File: VN088259.D
Acq: 11 Nov 2025 15:47

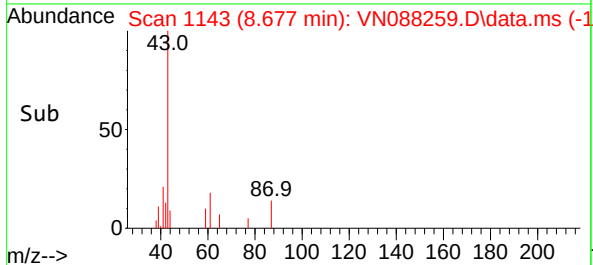
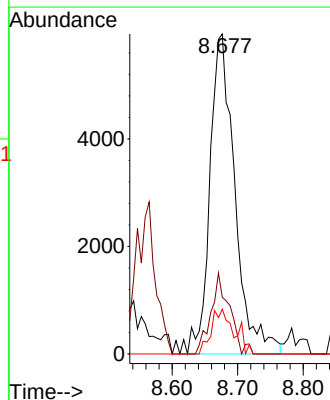
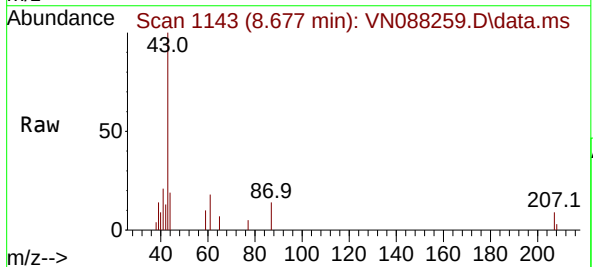
Instrument :
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ClientSampleId :
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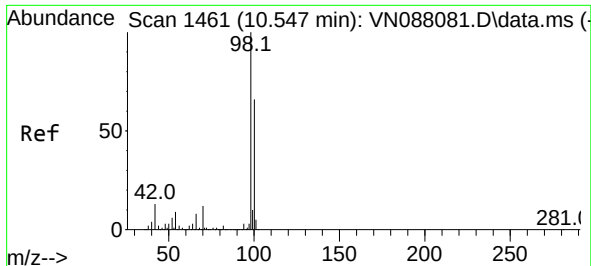
Tgt Ion:113 Resp: 208730
Ion Ratio Lower Upper
113 100
111 103.8 82.8 124.2
192 16.2 12.8 19.2



#43
Isopropyl Acetate
Concen: 1.333 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088259.D
Acq: 11 Nov 2025 15:47

Tgt Ion: 43 Resp: 15850
Ion Ratio Lower Upper
43 100
61 18.1 18.8 28.2#
87 12.7 9.6 14.4

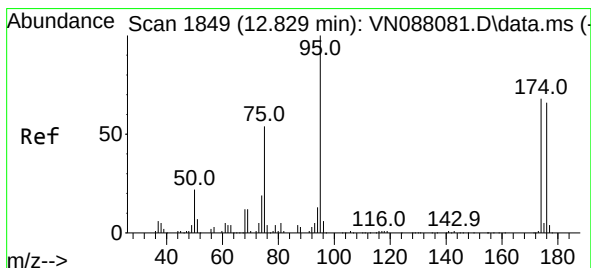
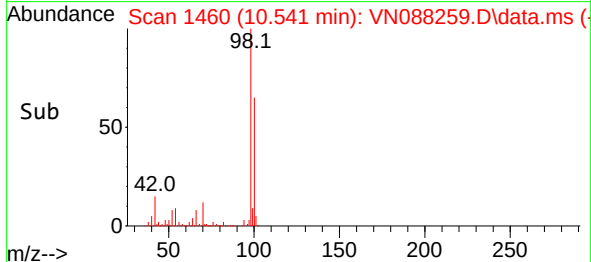
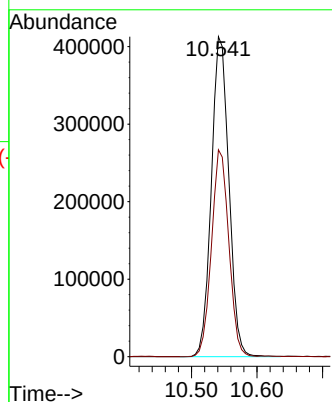
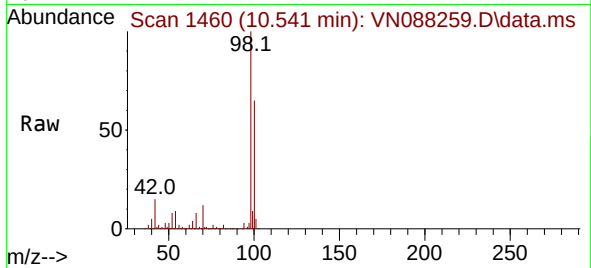




#50
Toluene-d8
Concen: 48.251 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088259.D
Acq: 11 Nov 2025 15:47

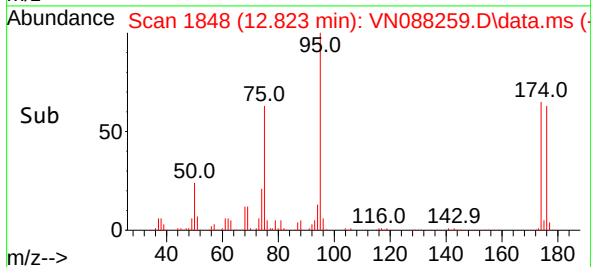
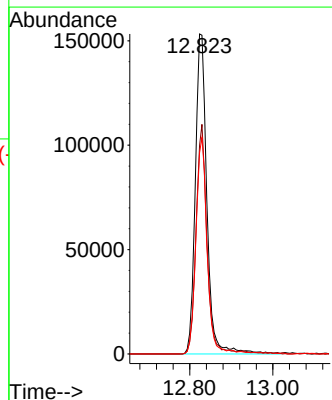
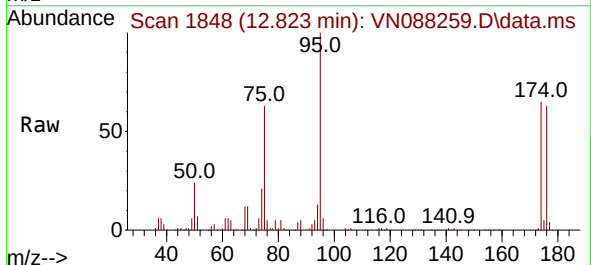
Instrument :
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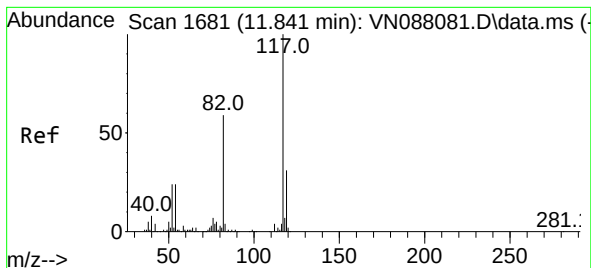
Tgt Ion: 98 Resp: 763629
Ion Ratio Lower Upper
98 100
100 64.1 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 53.176 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088259.D
Acq: 11 Nov 2025 15:47

Tgt Ion: 95 Resp: 297214
Ion Ratio Lower Upper
95 100
174 66.7 0.0 138.4
176 63.9 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: VN088259.D

Acq: 11 Nov 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

TP-4

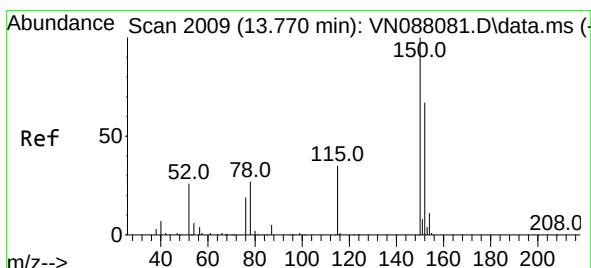
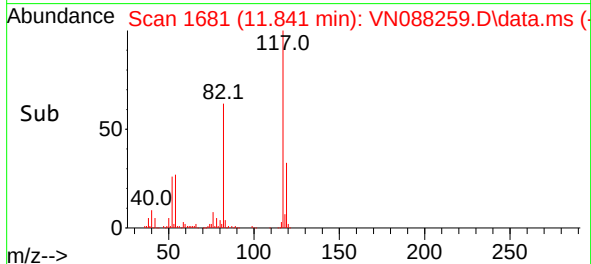
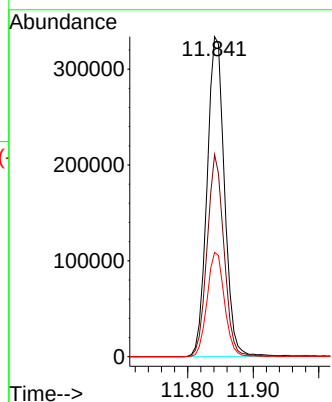
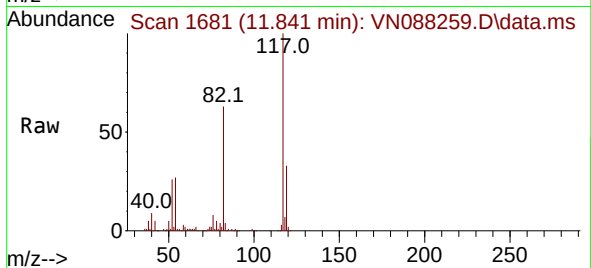
Tgt Ion:117 Resp: 618225

Ion Ratio Lower Upper

117 100

82 63.2 47.4 71.2

119 32.6 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: VN088259.D

Acq: 11 Nov 2025 15:47

Tgt Ion:152 Resp: 294183

Ion Ratio Lower Upper

152 100

115 65.9 32.3 96.8

150 159.1 0.0 351.0

