

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088532.D
 Acq On : 16 Dec 2025 16:28
 Operator : JC\MD
 Sample : Q3852-04 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TK 9&10 20"

Quant Time: Dec 17 01:44:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

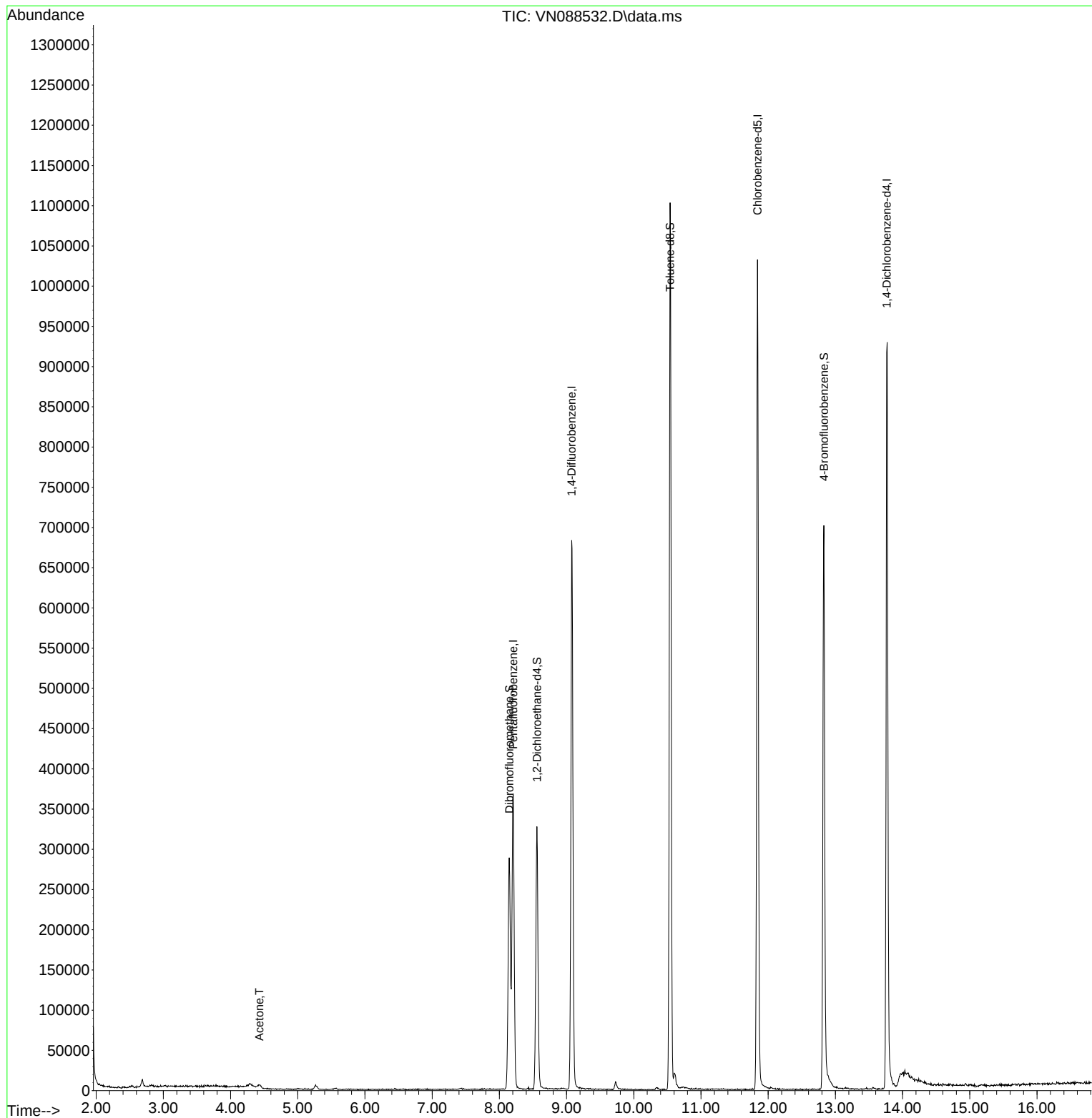
Internal Standards						
1) Pentafluorobenzene	8.206	168	247435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	574222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	565287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	259809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	277671	59.571	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 119.140%		
35) Dibromofluoromethane	8.147	113	211134	53.058	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.120%		
50) Toluene-d8	10.541	98	748811	50.574	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 101.140%		
62) 4-Bromofluorobenzene	12.829	95	269001	52.950	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 105.900%		
Target Compounds						
16) Acetone	4.430	43	10135	6.012	ug/l	Qvalue 94

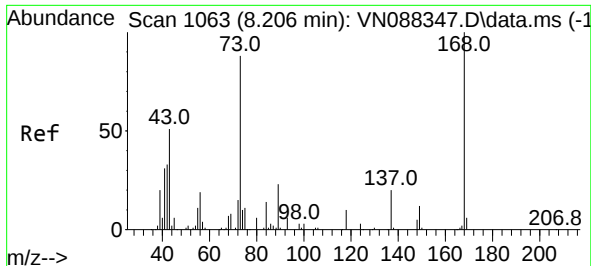
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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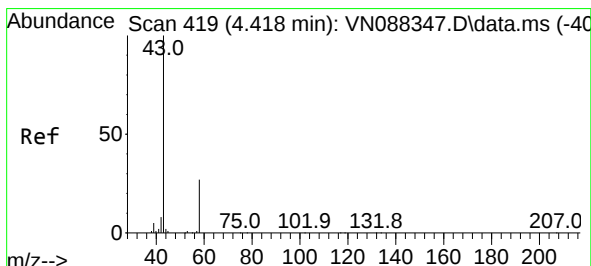
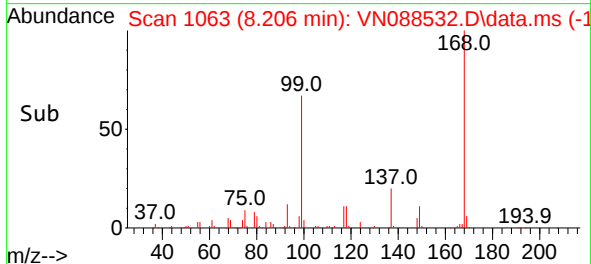
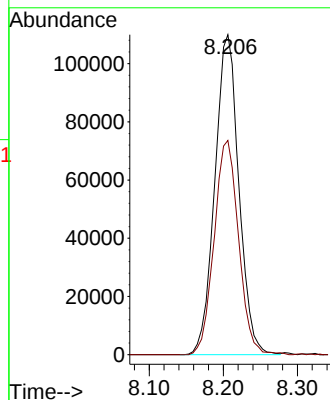
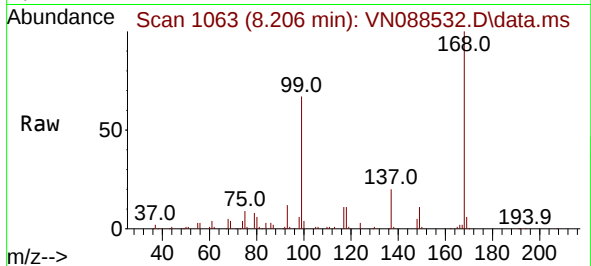




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

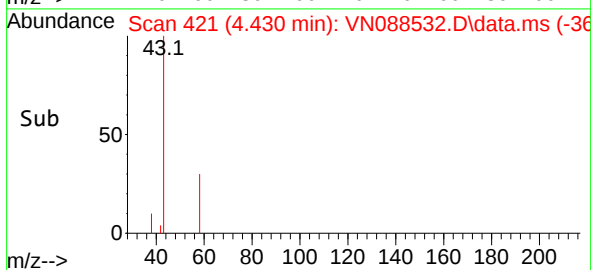
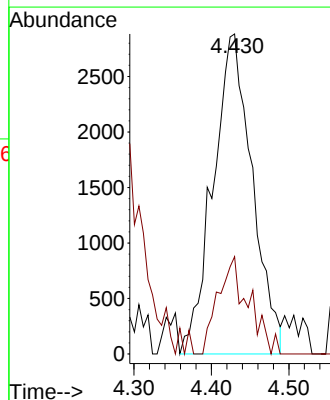
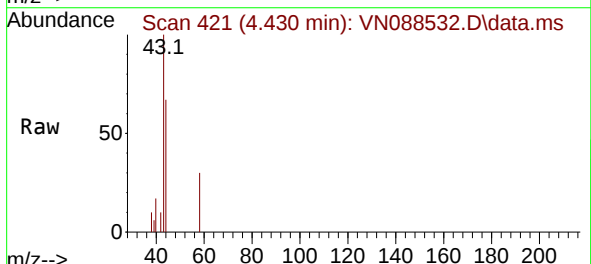
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 20"

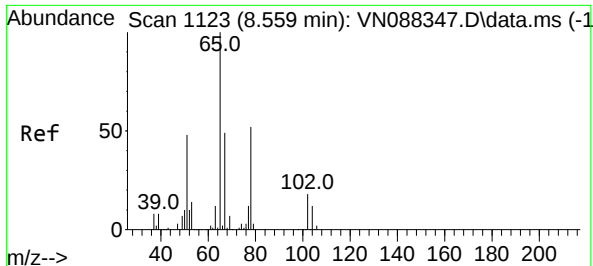
Tgt Ion:168 Resp: 247435
Ion Ratio Lower Upper
168 100
99 66.9 57.1 85.7



#16
Acetone
Concen: 6.012 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

Tgt Ion: 43 Resp: 10135
Ion Ratio Lower Upper
43 100
58 30.4 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 59.571 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088532.D

Acq: 16 Dec 2025 16:28

Instrument :

MSVOA_N

ClientSampleId :

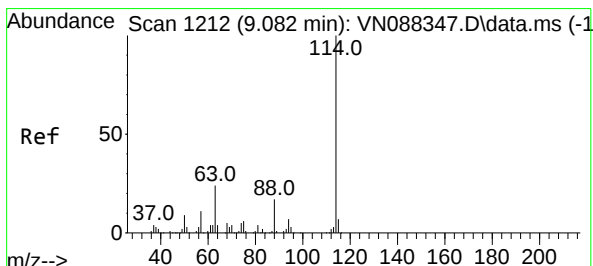
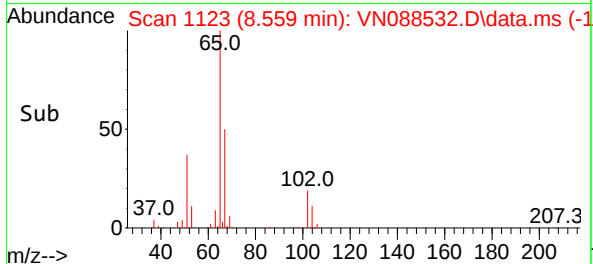
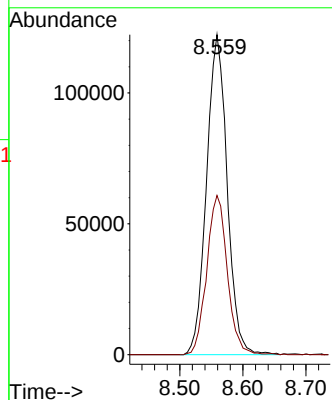
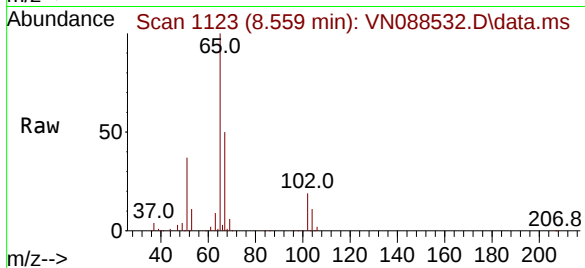
TK 9&10 20"

Tgt Ion: 65 Resp: 277671

Ion Ratio Lower Upper

65 100

67 49.5 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088532.D

Acq: 16 Dec 2025 16:28

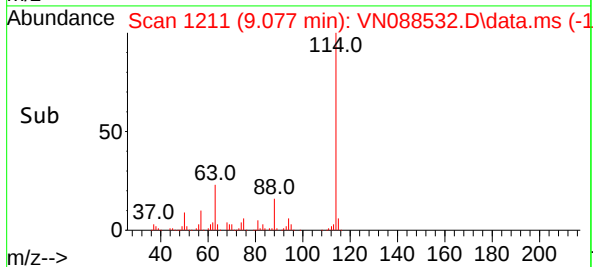
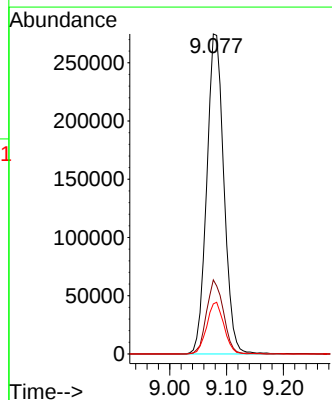
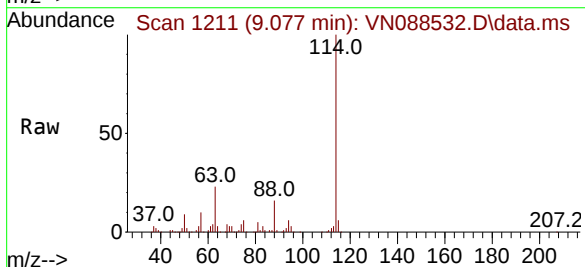
Tgt Ion: 114 Resp: 574222

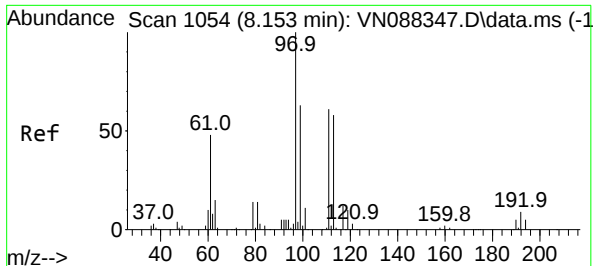
Ion Ratio Lower Upper

114 100

63 23.2 0.0 49.0

88 15.7 0.0 34.0

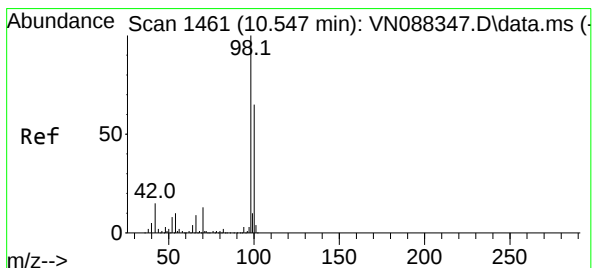
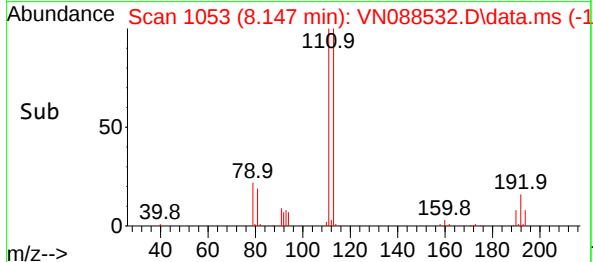
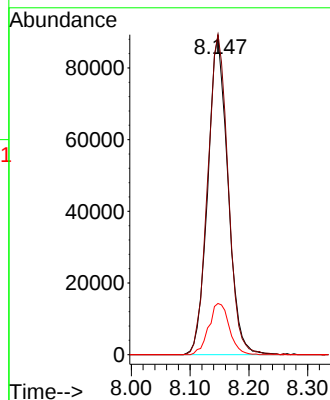
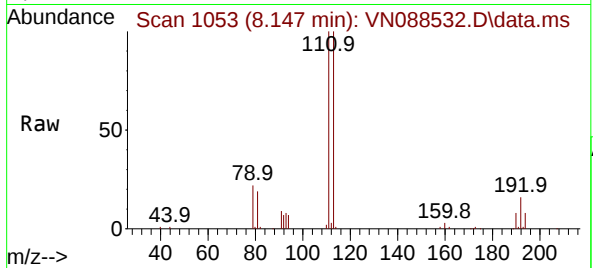




#35
Dibromofluoromethane
Concen: 53.058 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

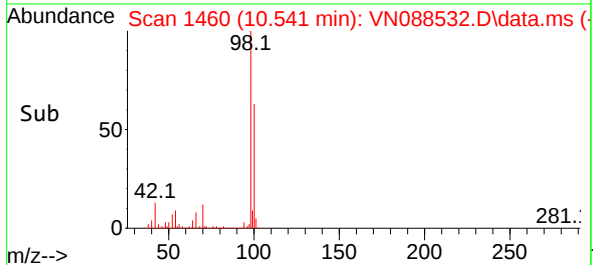
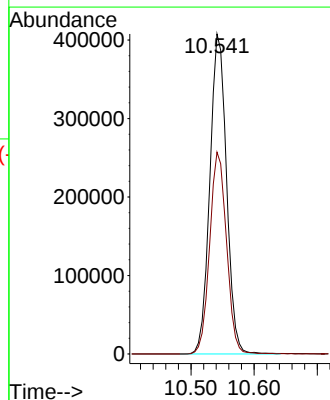
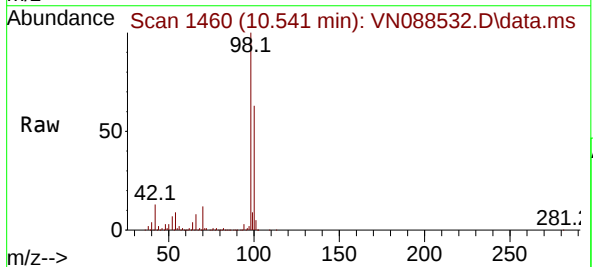
Instrument :
MSVOA_N
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TK 9&10 20"

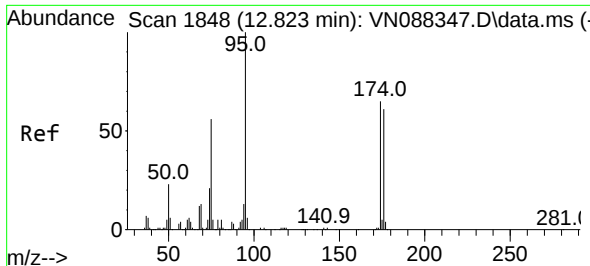
Tgt Ion:113 Resp: 211134
Ion Ratio Lower Upper
113 100
111 102.0 82.5 123.7
192 16.4 12.8 19.2



#50
Toluene-d8
Concen: 50.574 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

Tgt Ion: 98 Resp: 748811
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.2

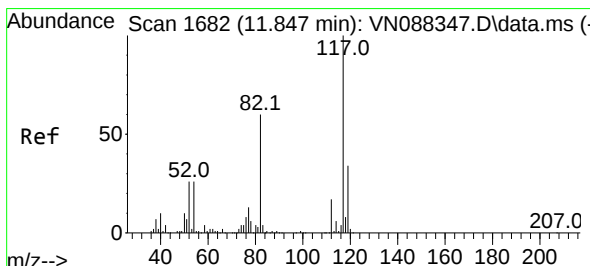
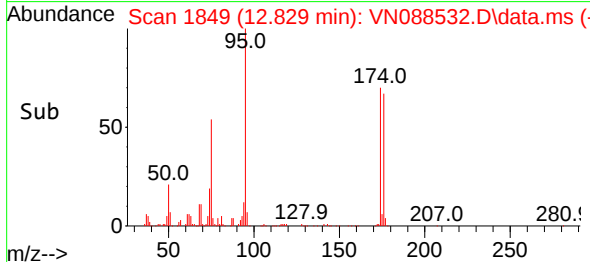
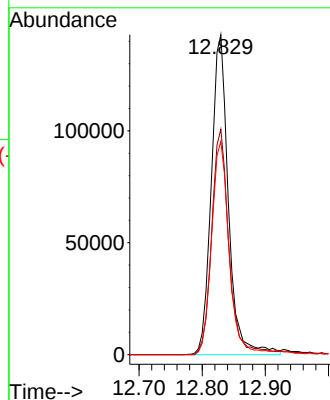
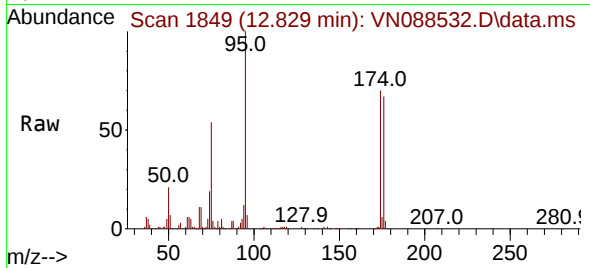




#62
4-Bromofluorobenzene
Concen: 52.950 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

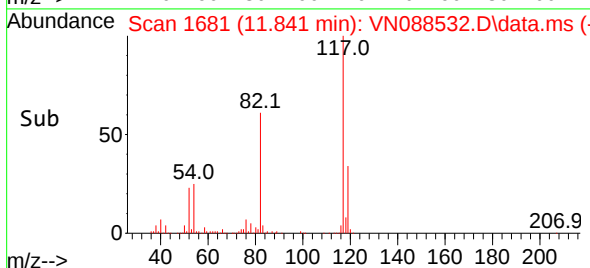
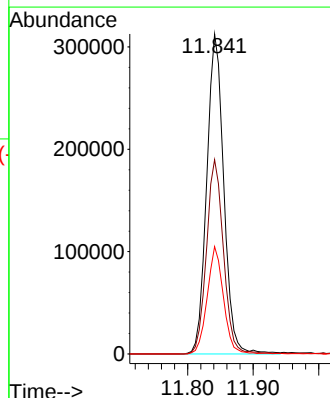
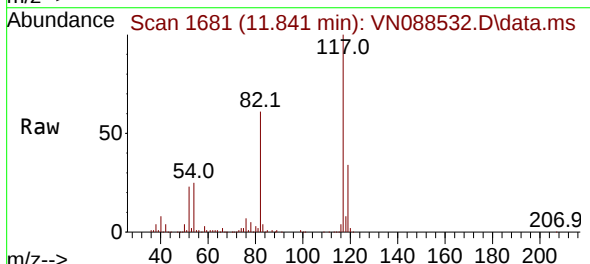
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 20"

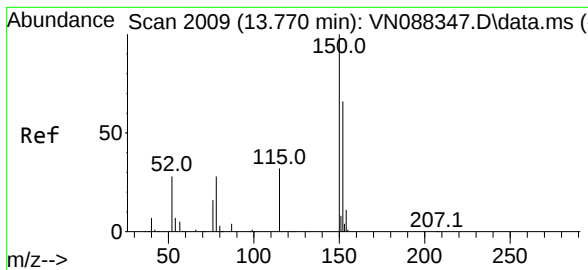
Tgt Ion: 95 Resp: 269001
Ion Ratio Lower Upper
95 100
174 70.8 0.0 139.0
176 68.2 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

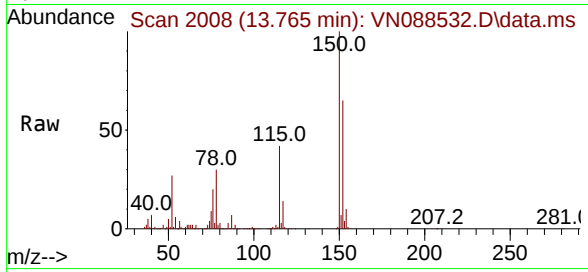
Tgt Ion: 117 Resp: 565287
Ion Ratio Lower Upper
117 100
82 60.7 47.8 71.8
119 33.6 26.9 40.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.765 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN088532.D
Acq: 16 Dec 2025 16:28

Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 20"



Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	33.0	98.9
150	159.2	0.0	349.0

