

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088529.D
 Acq On : 16 Dec 2025 15:27
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Dec 17 01:43:49 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)

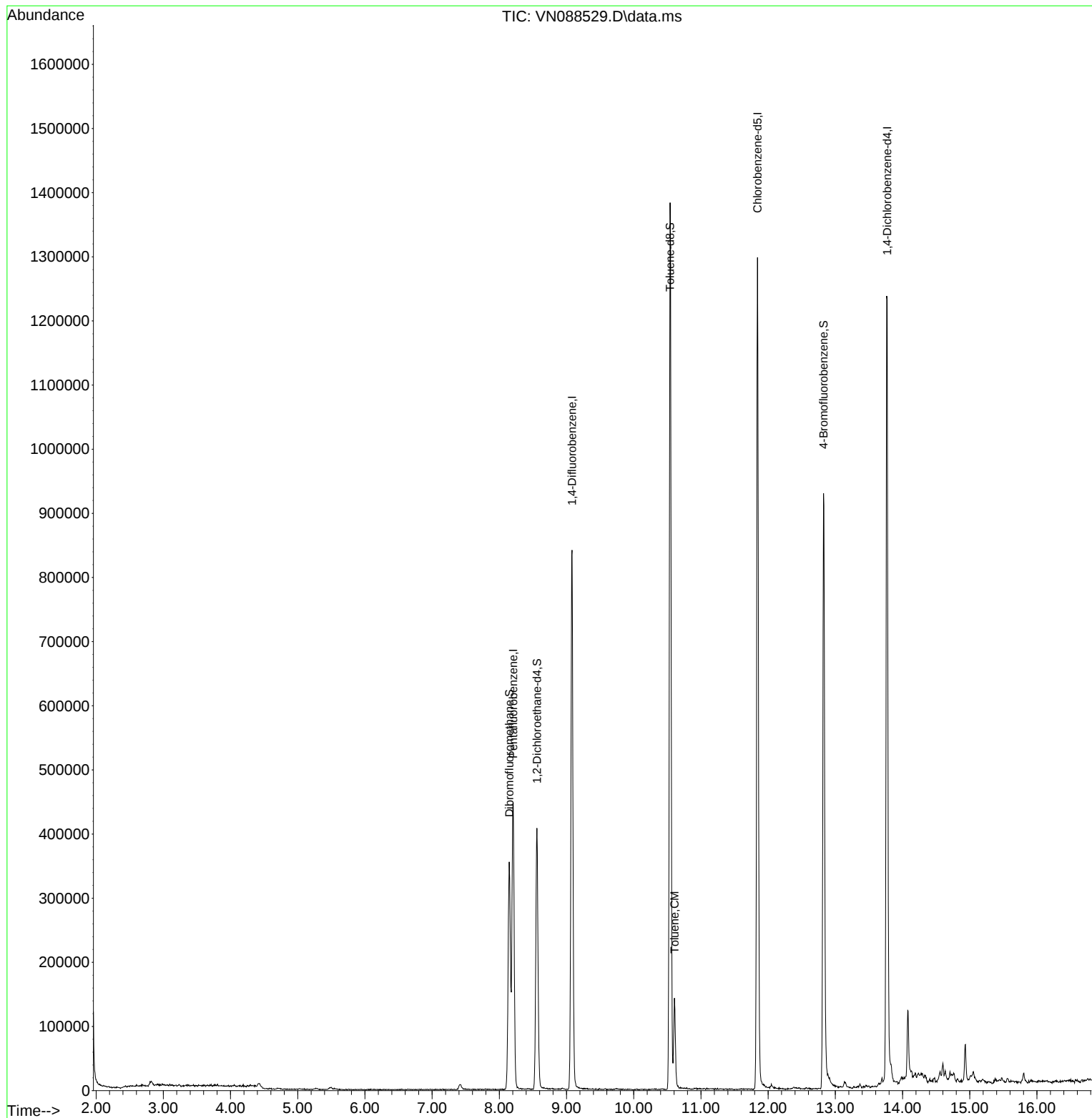
Internal Standards						
1) Pentafluorobenzene	8.206	168	307100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	698293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	713140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	343043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	351638	60.783	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 121.560%		
35) Dibromofluoromethane	8.147	113	257117	53.133	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.260%		
50) Toluene-d8	10.541	98	921453	51.177	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.360%		
62) 4-Bromofluorobenzene	12.823	95	358201	57.980	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 115.960%		
Target Compounds						Qvalue
52) Toluene	10.606	92	57372	4.533	ug/l	100

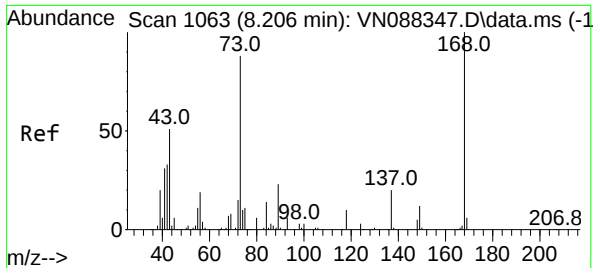
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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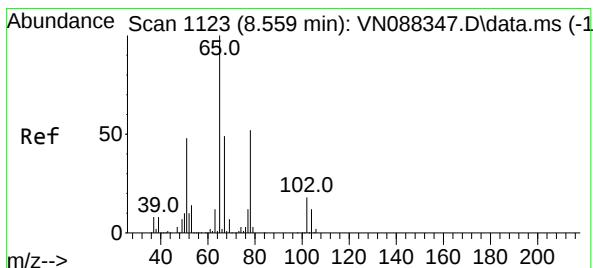
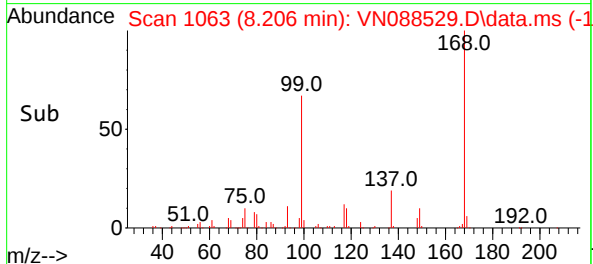
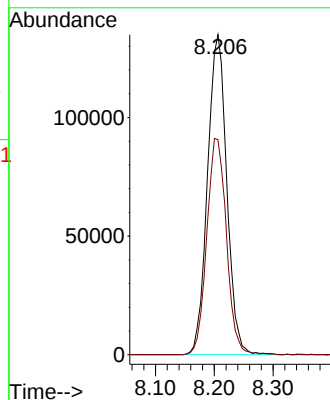
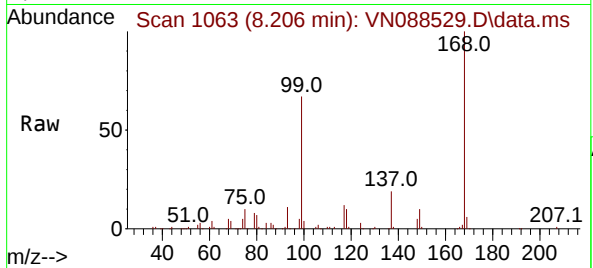




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

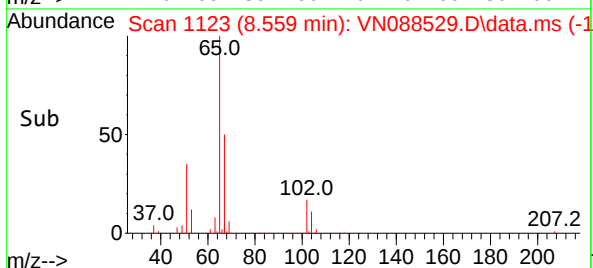
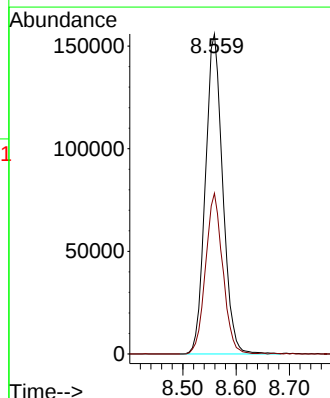
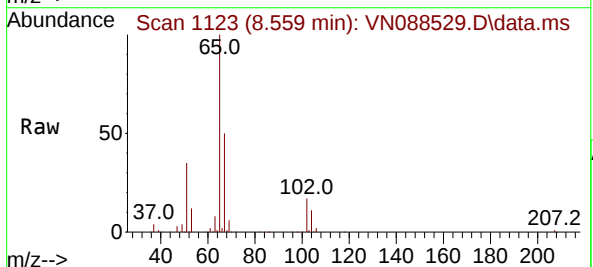
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

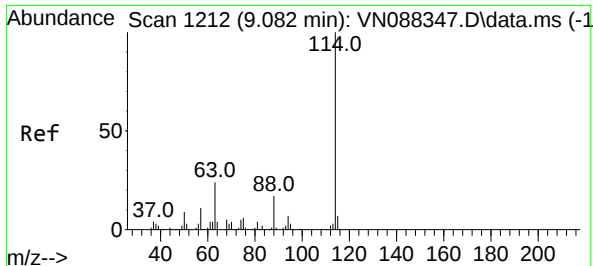
Tgt Ion:168 Resp: 307100
Ion Ratio Lower Upper
168 100
99 67.2 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 60.783 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

Tgt Ion: 65 Resp: 351638
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088529.D

Acq: 16 Dec 2025 15:27

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

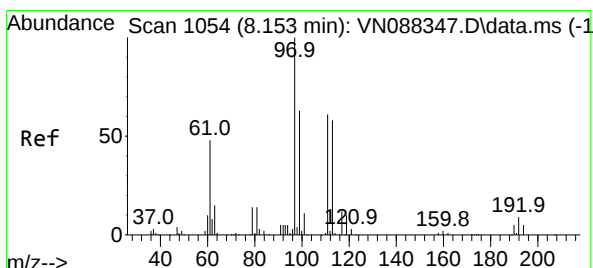
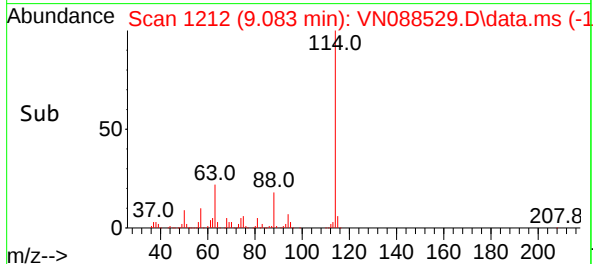
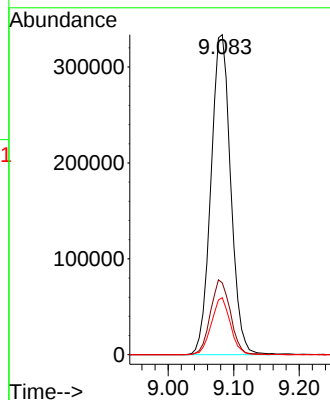
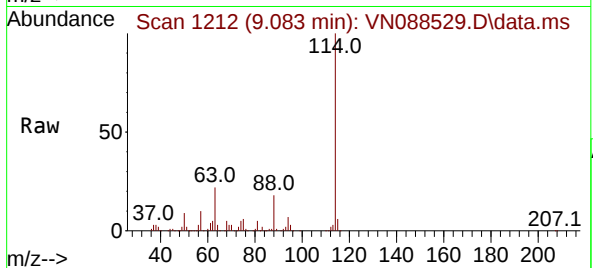
Tgt Ion:114 Resp: 698293

Ion Ratio Lower Upper

114 100

63 22.5 0.0 49.0

88 17.8 0.0 34.0



#35

Dibromofluoromethane

Concen: 53.133 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088529.D

Acq: 16 Dec 2025 15:27

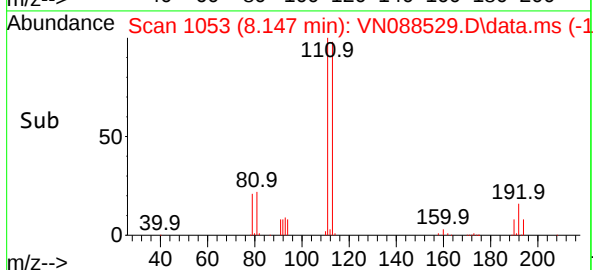
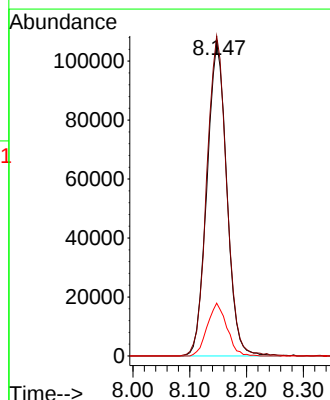
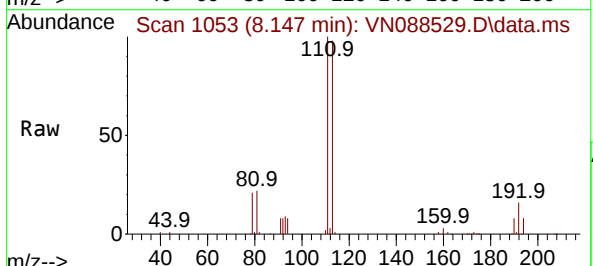
Tgt Ion:113 Resp: 257117

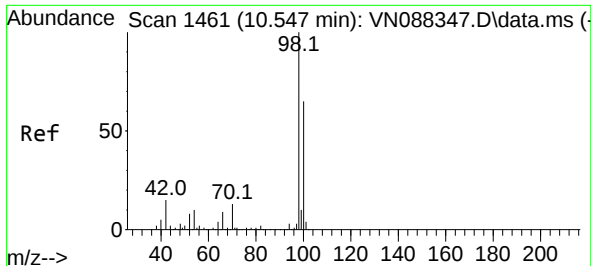
Ion Ratio Lower Upper

113 100

111 102.3 82.5 123.7

192 16.6 12.8 19.2

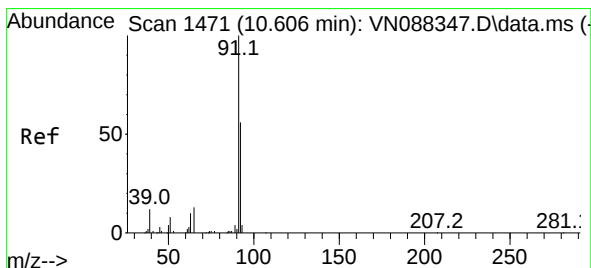
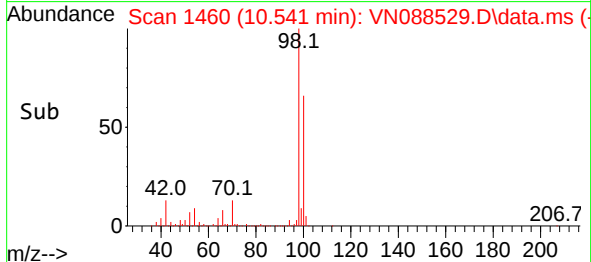
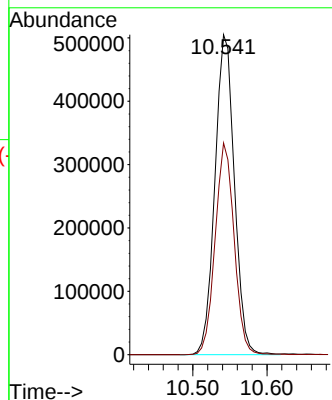
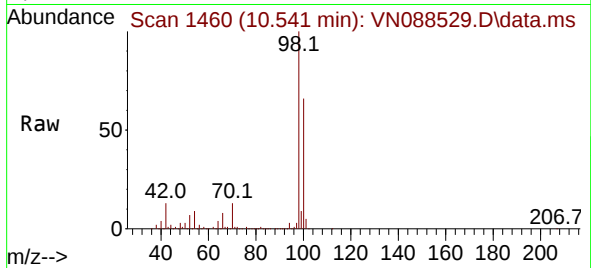




#50
Toluene-d8
Concen: 51.177 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

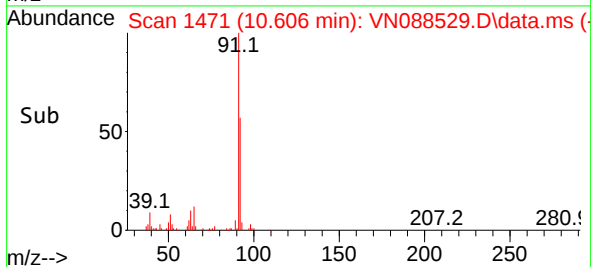
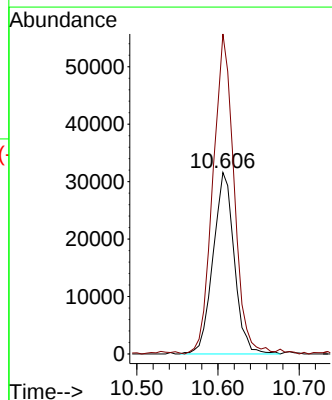
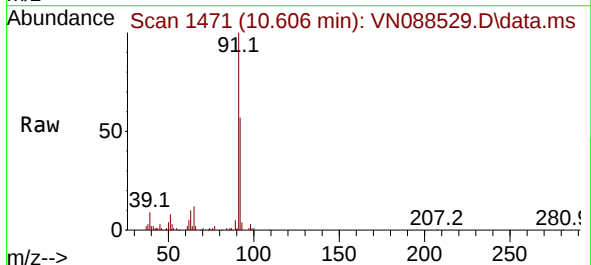
Instrument :
MSVOA_N
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VIBLK

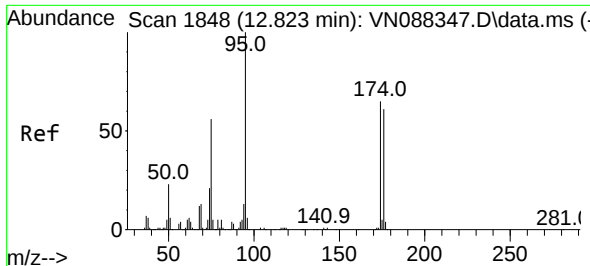
Tgt Ion: 98 Resp: 921453
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#52
Toluene
Concen: 4.533 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

Tgt Ion: 92 Resp: 57372
Ion Ratio Lower Upper
92 100
91 175.5 140.2 210.2

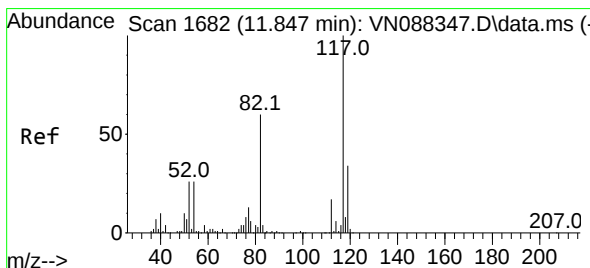
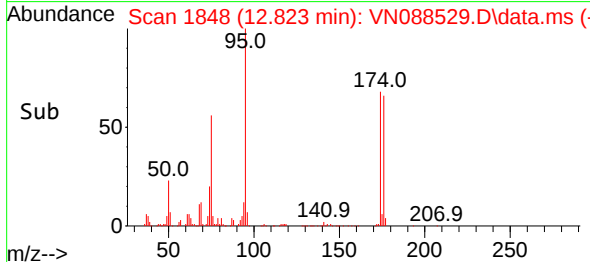
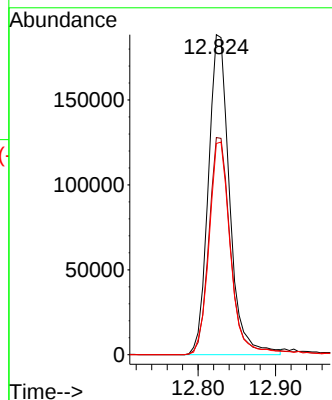
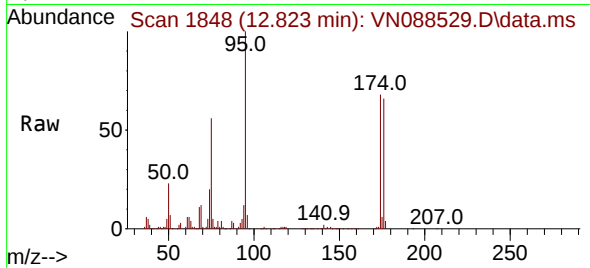




#62
4-Bromofluorobenzene
Concen: 57.980 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

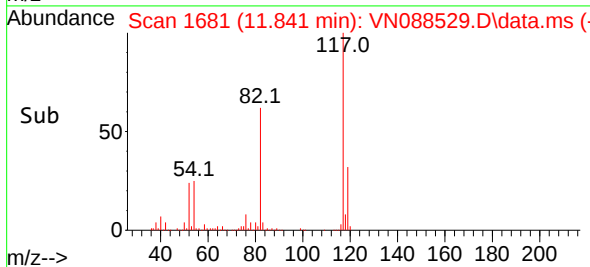
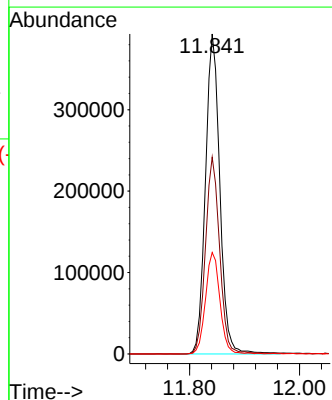
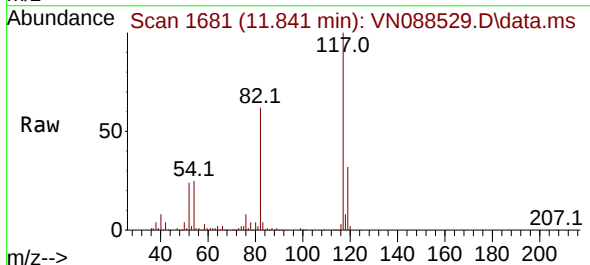
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

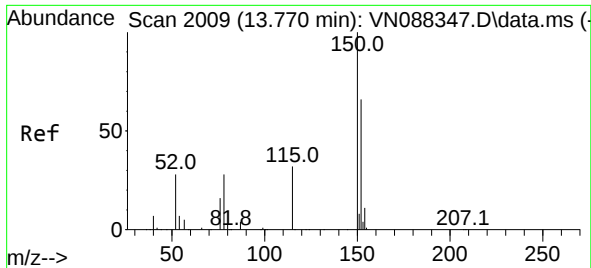
Tgt Ion: 95 Resp: 358201
Ion Ratio Lower Upper
95 100
174 71.0 0.0 139.0
176 68.4 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088529.D
Acq: 16 Dec 2025 15:27

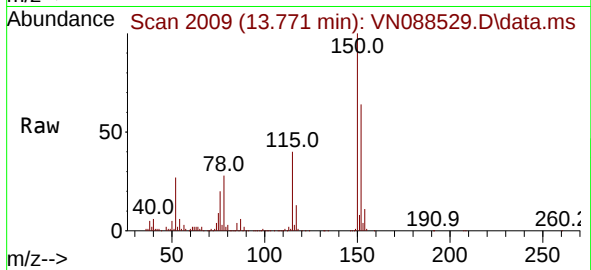
Tgt Ion: 117 Resp: 713140
Ion Ratio Lower Upper
117 100
82 61.5 47.8 71.8
119 31.7 26.9 40.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088529.D
 Acq: 16 Dec 2025 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK



Tgt Ion:152 Resp: 343043
 Ion Ratio Lower Upper
 152 100
 115 64.3 33.0 98.9
 150 159.5 0.0 349.0

