

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088530.D
 Acq On : 16 Dec 2025 15:47
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Dec 17 01:44:09 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	283840	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	645368	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	645352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	298393	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	316042	59.107	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.220%
35) Dibromofluoromethane	8.147	113	241276	53.948	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.900%
50) Toluene-d8	10.541	98	845561	50.813	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.620%
62) 4-Bromofluorobenzene	12.829	95	315649	55.283	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.560%

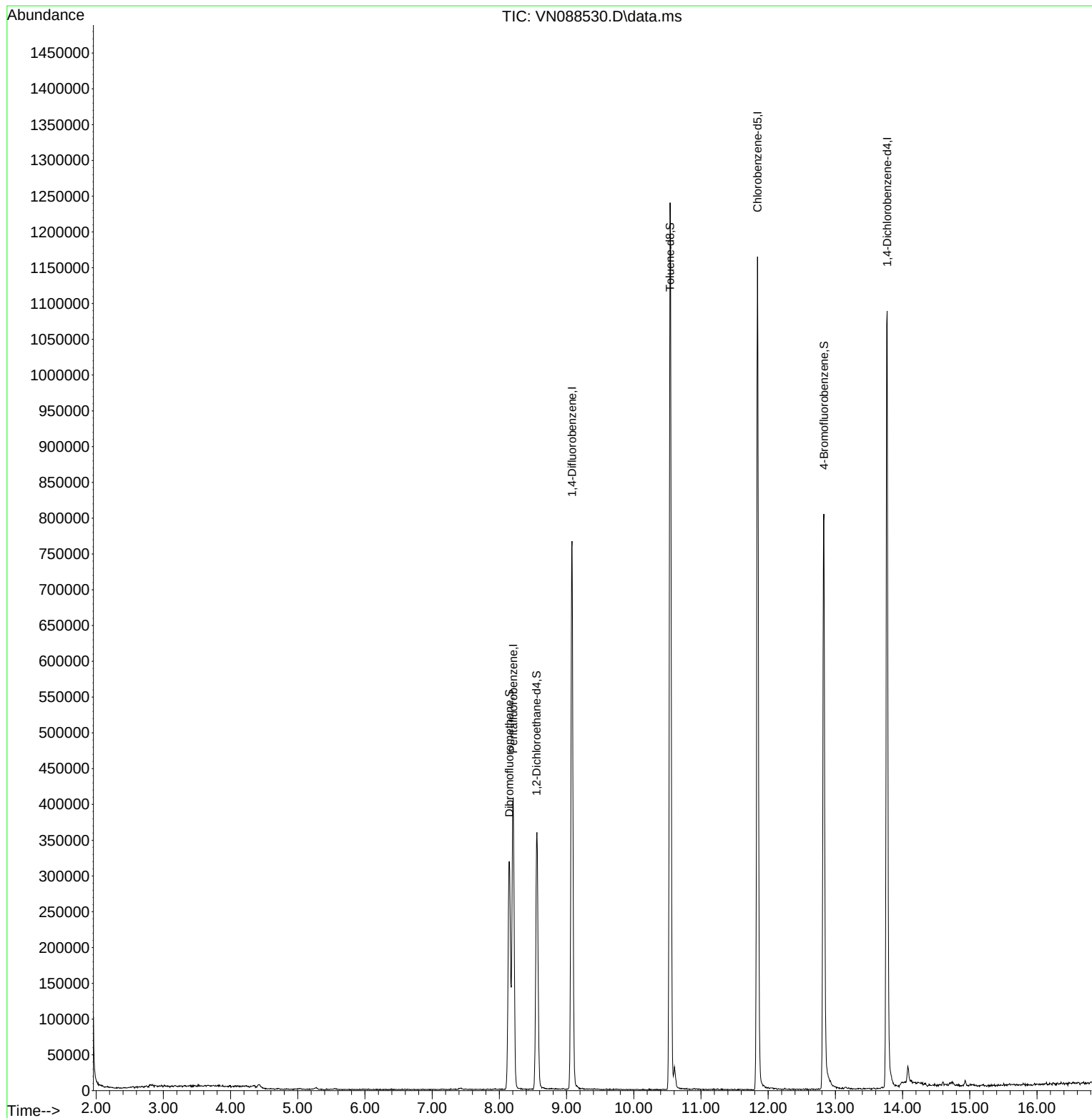
Target Compounds	Qvalue

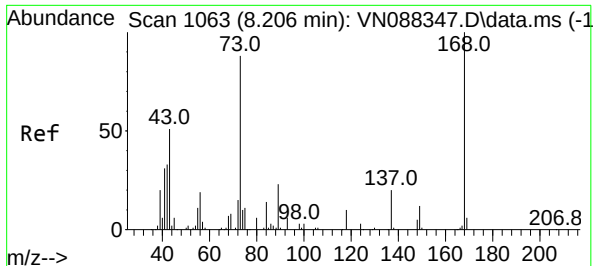
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
Data File : VN088530.D
Acq On : 16 Dec 2025 15:47
Operator : JC\MD
Sample : VIBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Quant Time: Dec 17 01:44:09 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

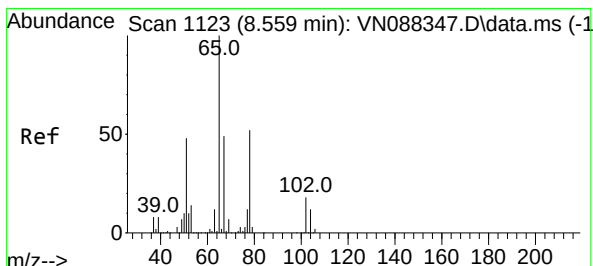
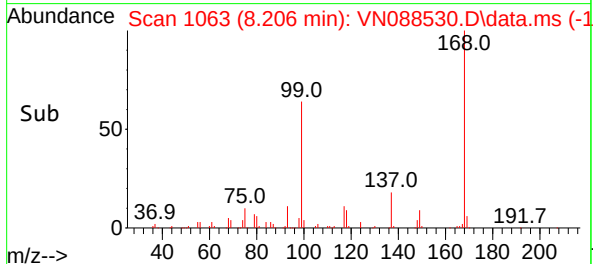
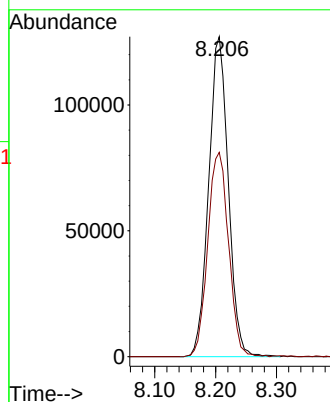
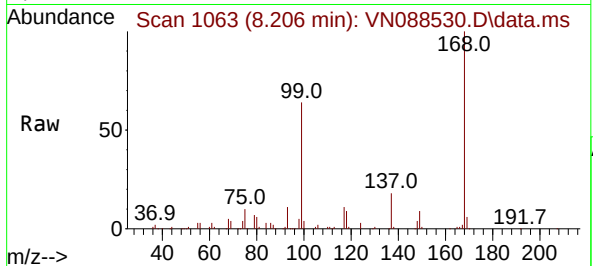




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

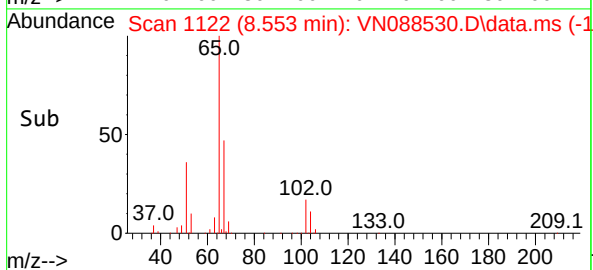
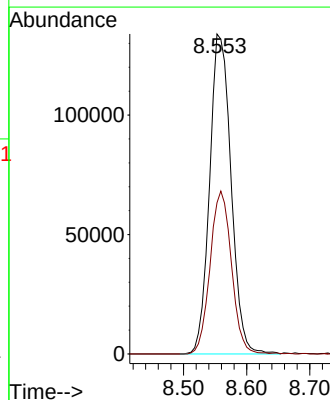
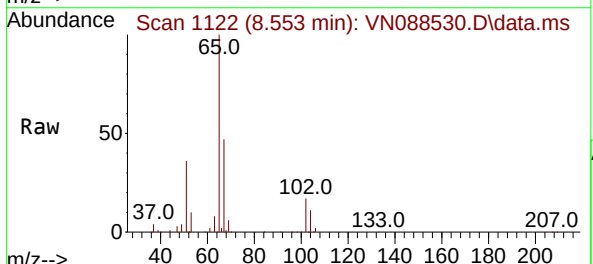
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

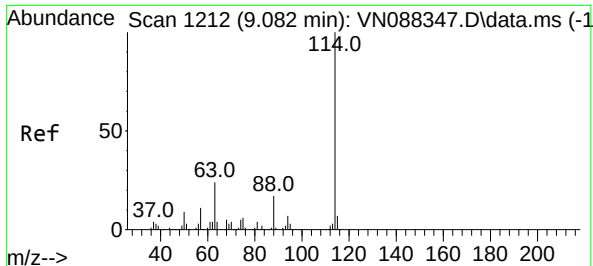
Tgt Ion:168 Resp: 283840
Ion Ratio Lower Upper
168 100
99 63.8 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 59.107 ug/l
RT: 8.553 min Scan# 1122
Delta R.T. -0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion: 65 Resp: 316042
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088530.D

Acq: 16 Dec 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

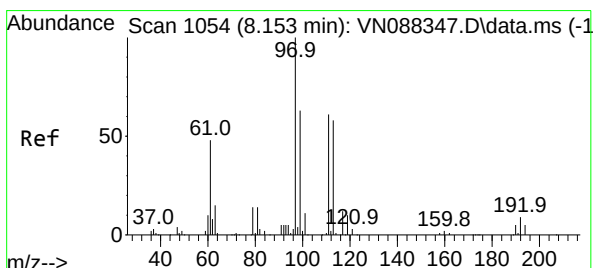
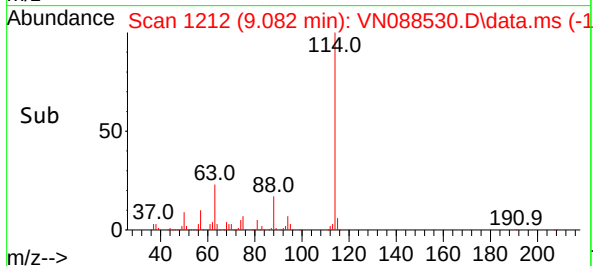
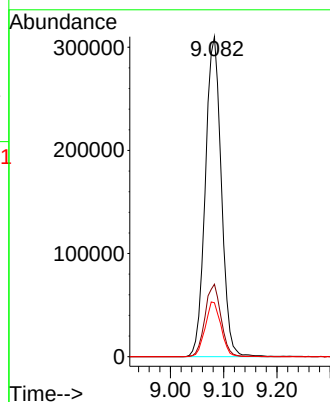
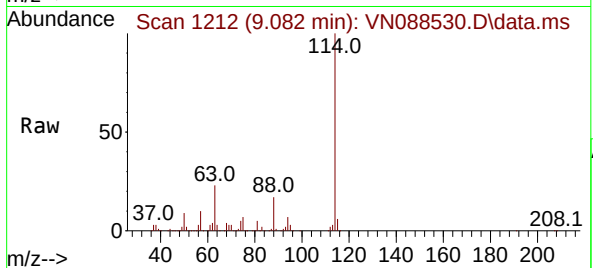
Tgt Ion:114 Resp: 645368

Ion Ratio Lower Upper

114 100

63 22.6 0.0 49.0

88 16.9 0.0 34.0



#35

Dibromofluoromethane

Concen: 53.948 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088530.D

Acq: 16 Dec 2025 15:47

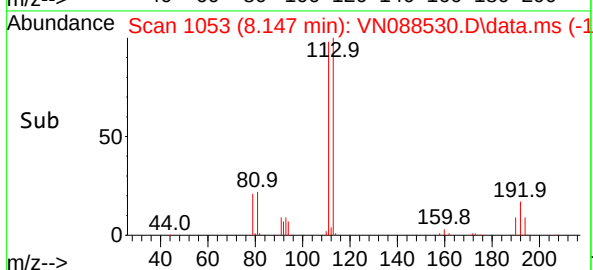
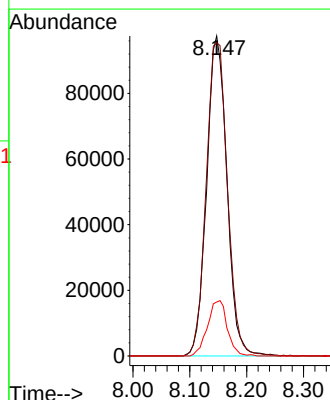
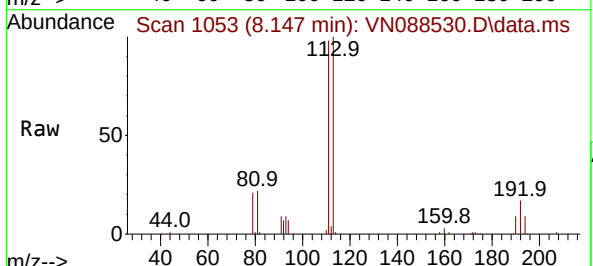
Tgt Ion:113 Resp: 241276

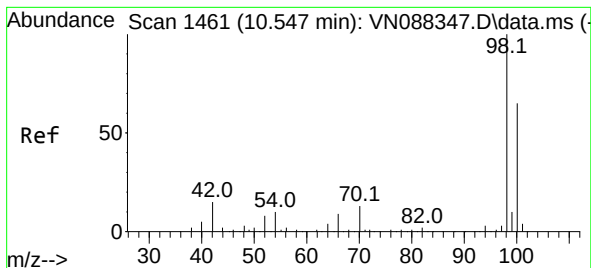
Ion Ratio Lower Upper

113 100

111 102.6 82.5 123.7

192 16.9 12.8 19.2

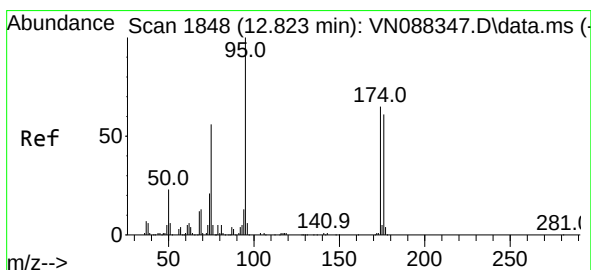
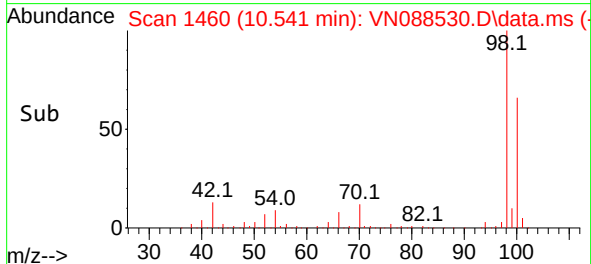
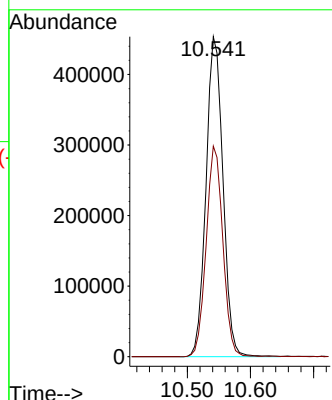
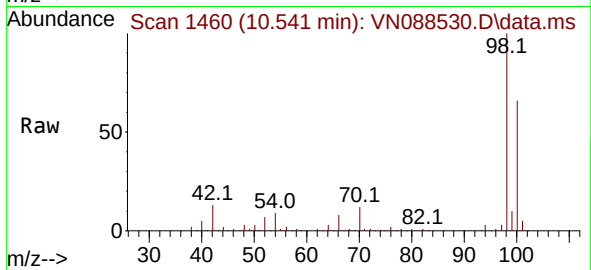




#50
Toluene-d8
Concen: 50.813 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

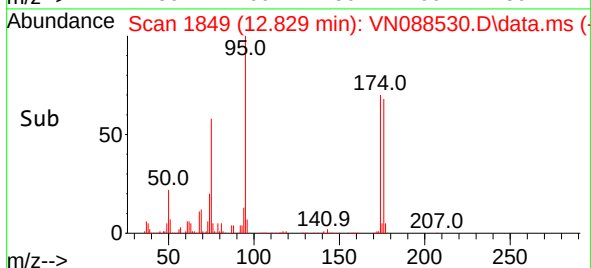
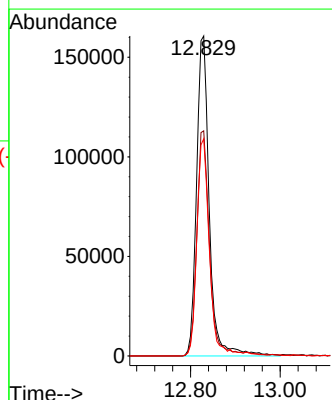
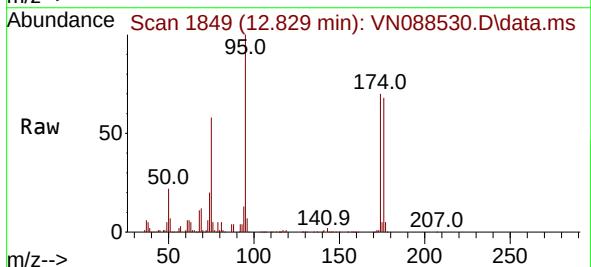
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

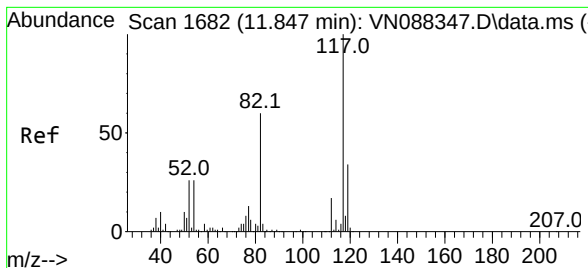
Tgt Ion: 98 Resp: 845561
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 55.283 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion: 95 Resp: 315649
Ion Ratio Lower Upper
95 100
174 69.5 0.0 139.0
176 67.8 0.0 132.4

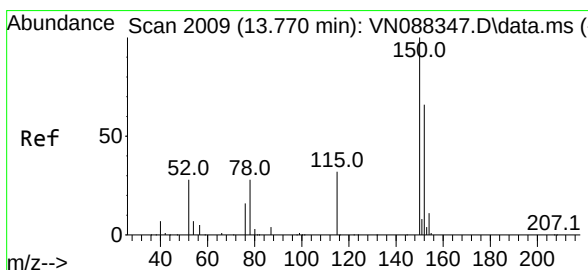
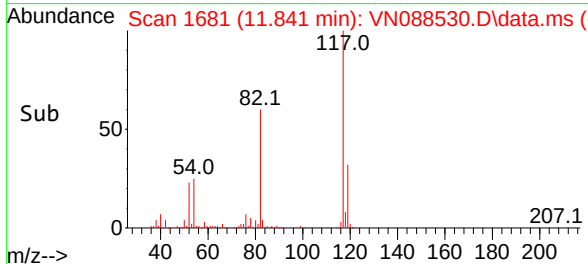
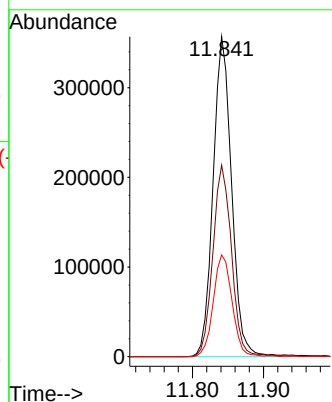
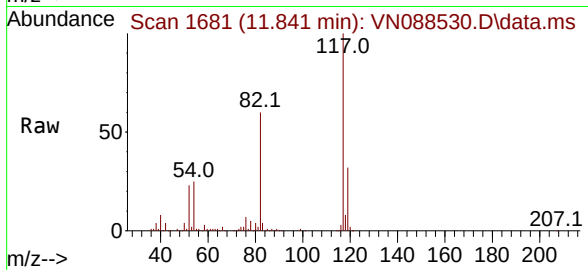




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 645352
Ion Ratio Lower Upper
117 100
82 59.8 47.8 71.8
119 31.8 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088530.D
Acq: 16 Dec 2025 15:47

Tgt Ion:152 Resp: 298393
Ion Ratio Lower Upper
152 100
115 65.1 33.0 98.9
150 157.5 0.0 349.0

