

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111825\
 Data File : VN088311.D
 Acq On : 18 Nov 2025 12:16
 Operator : JC\MD
 Sample : Q3659-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Nov 19 03:33:14 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	202456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	464299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	461775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	221071	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204210	58.331	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.660%
35) Dibromofluoromethane	8.147	113	154736	49.608	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.220%
50) Toluene-d8	10.547	98	541322	45.040	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.080%
62) 4-Bromofluorobenzene	12.829	95	201215	47.405	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.820%

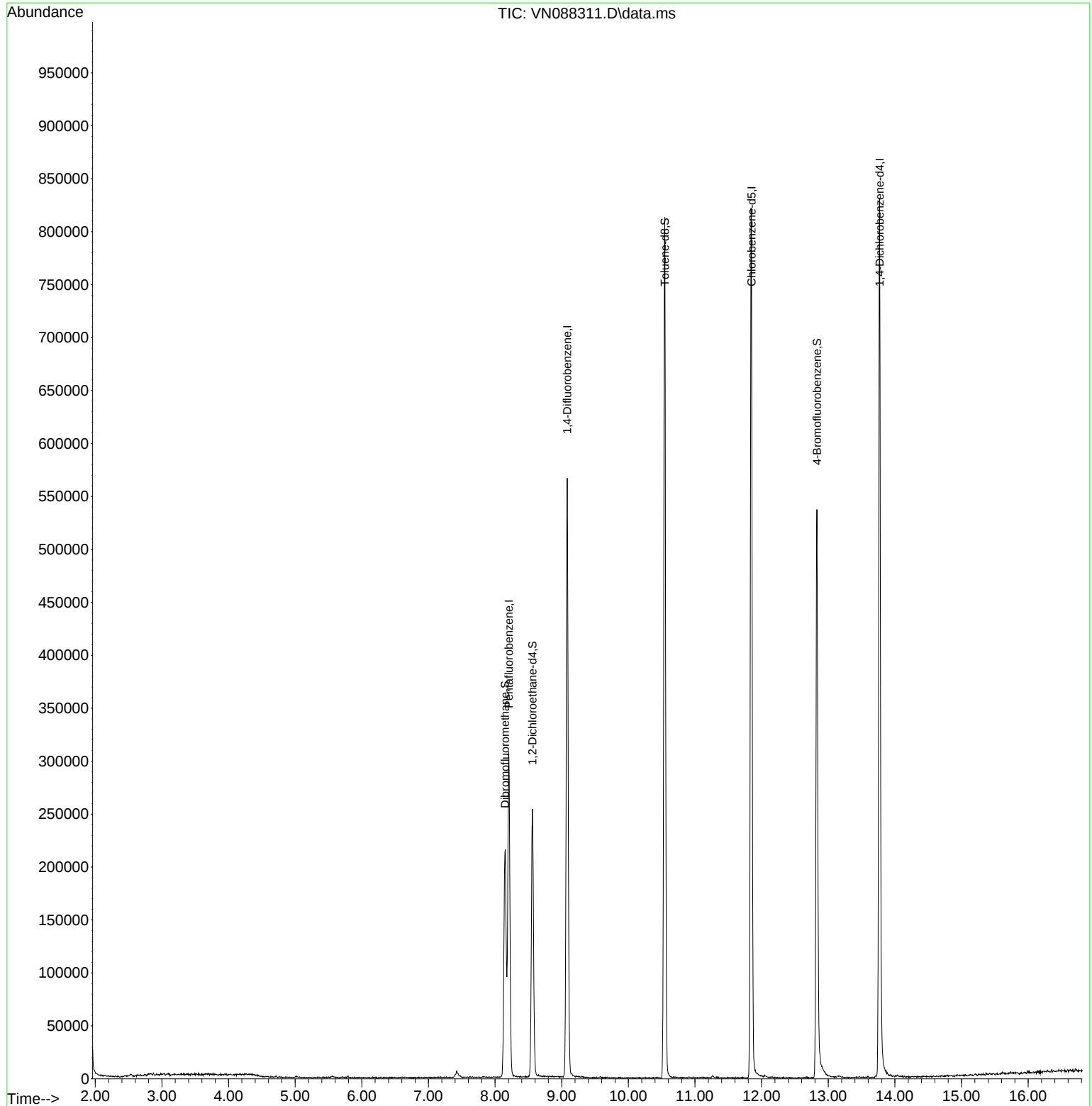
Target Compounds	Qvalue

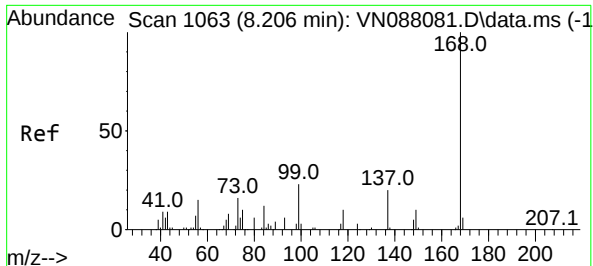
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111825\
Data File : VN088311.D
Acq On : 18 Nov 2025 12:16
Operator : JC\MD
Sample : Q3659-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB

Quant Time: Nov 19 03:33:14 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

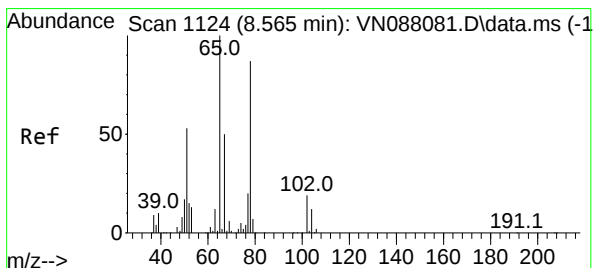
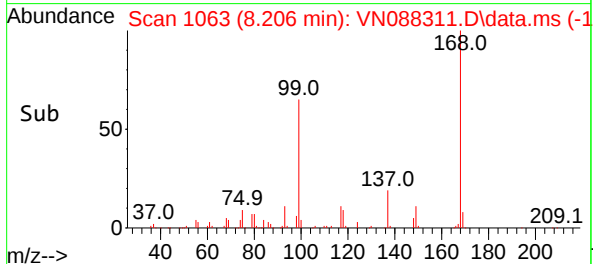
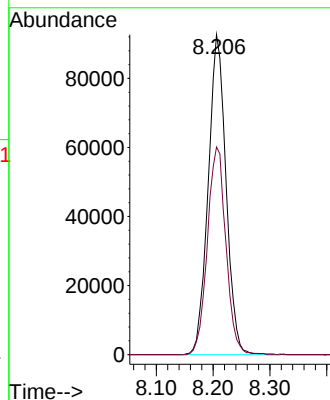
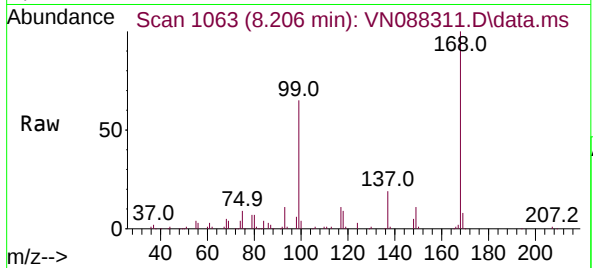




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088311.D
Acq: 18 Nov 2025 12:16

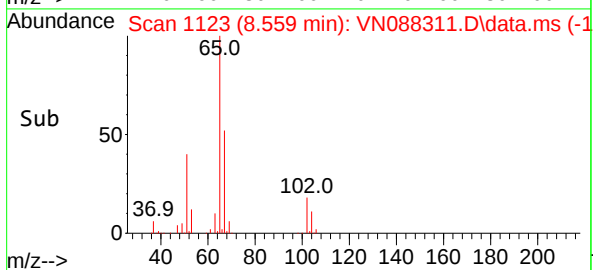
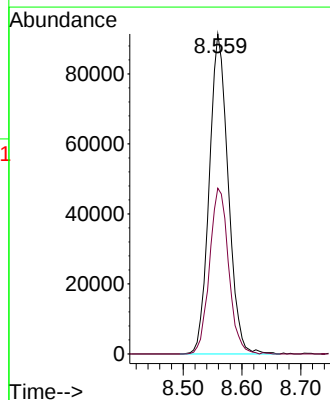
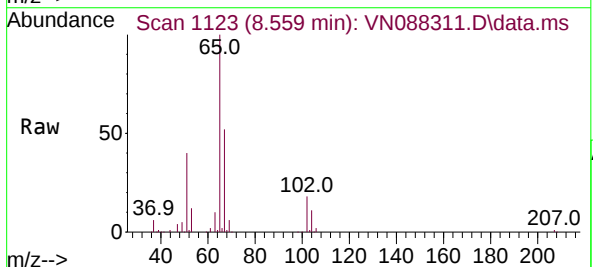
Instrument :
MSVOA_N
ClientSampleId :
TB

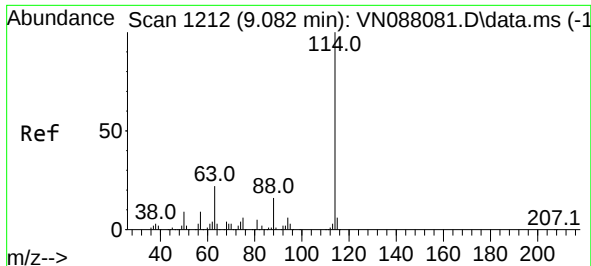
Tgt Ion:168 Resp: 202456
Ion Ratio Lower Upper
168 100
99 64.9 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 58.331 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088311.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 65 Resp: 204210
Ion Ratio Lower Upper
65 100
67 52.1 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088311.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_N

ClientSampleId :

TB

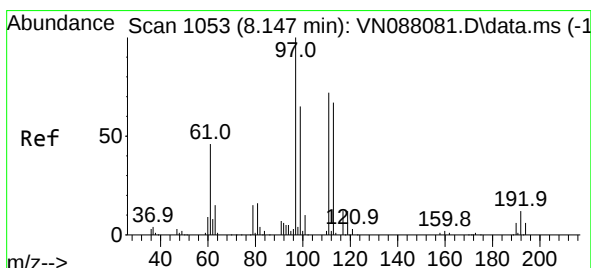
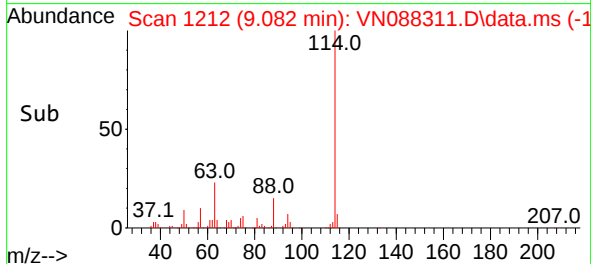
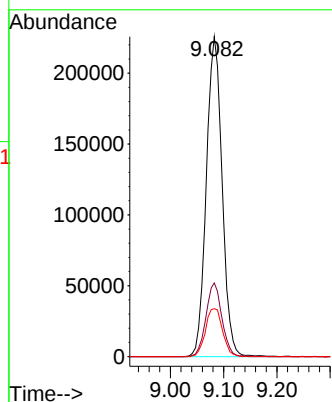
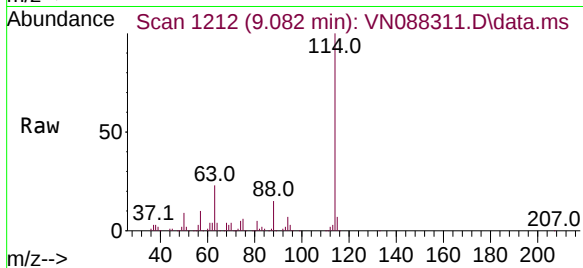
Tgt Ion:114 Resp: 464299

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 15.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.608 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088311.D

Acq: 18 Nov 2025 12:16

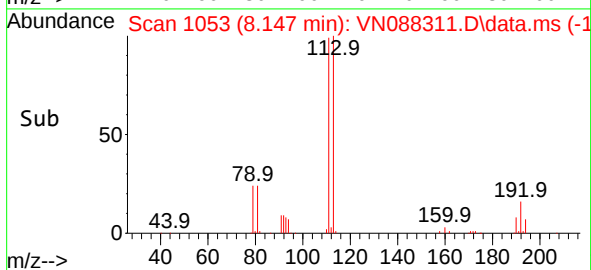
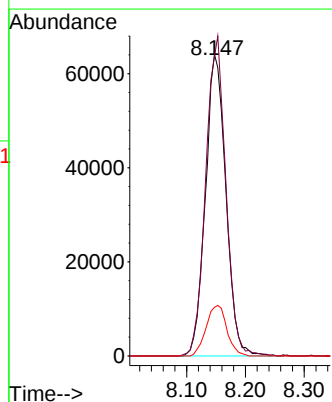
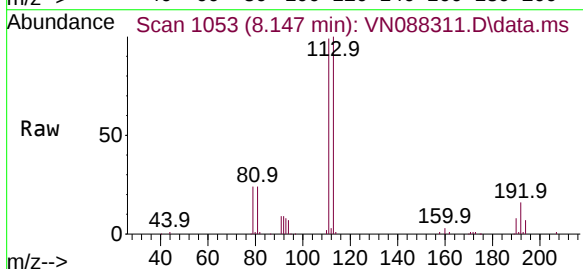
Tgt Ion:113 Resp: 154736

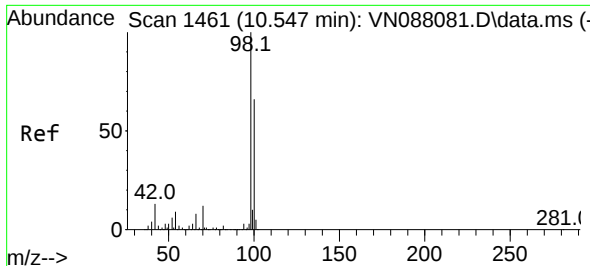
Ion Ratio Lower Upper

113 100

111 104.5 82.8 124.2

192 17.0 12.8 19.2

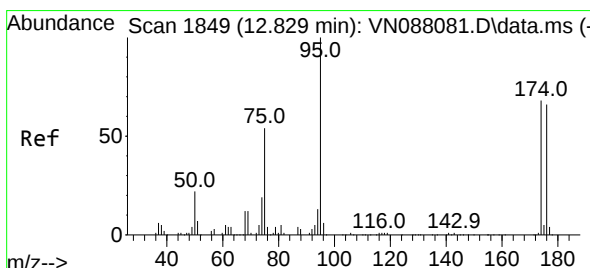
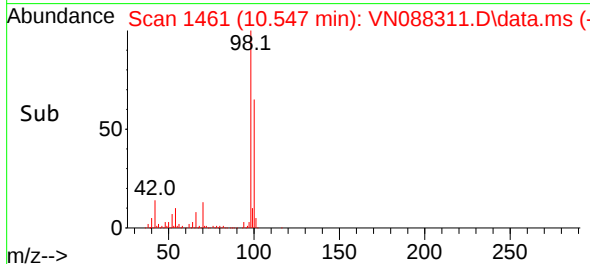
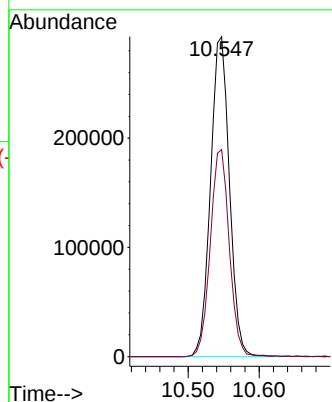
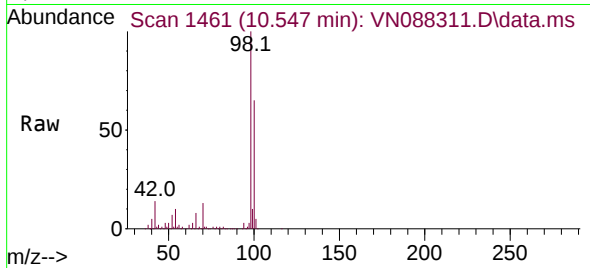




#50
Toluene-d8
Concen: 45.040 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088311.D
Acq: 18 Nov 2025 12:16

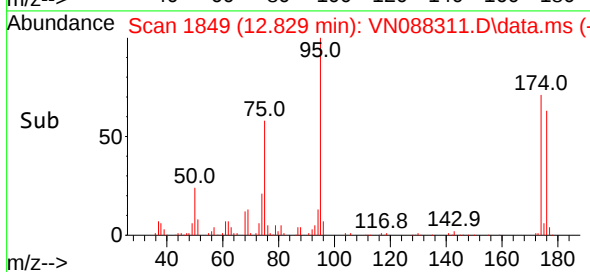
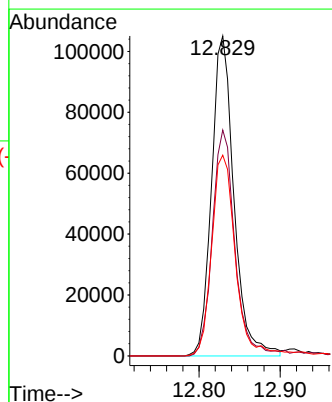
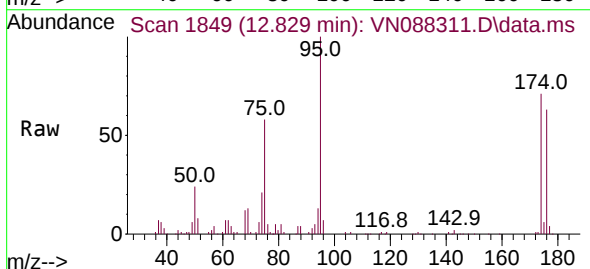
Instrument :
MSVOA_N
ClientSampleId :
TB

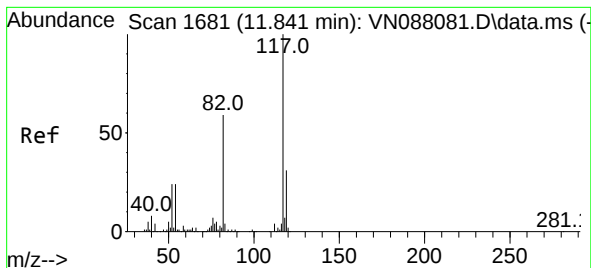
Tgt Ion: 98 Resp: 541322
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.405 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088311.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 95 Resp: 201215
Ion Ratio Lower Upper
95 100
174 71.2 0.0 138.4
176 67.2 0.0 132.6

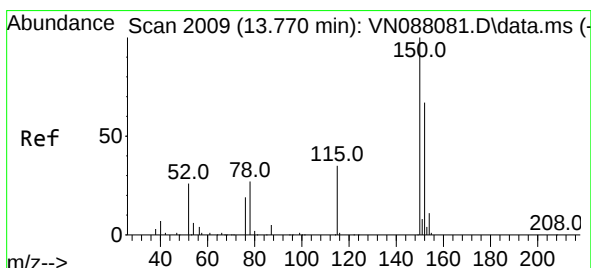
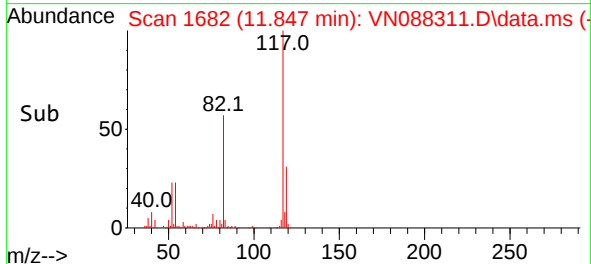
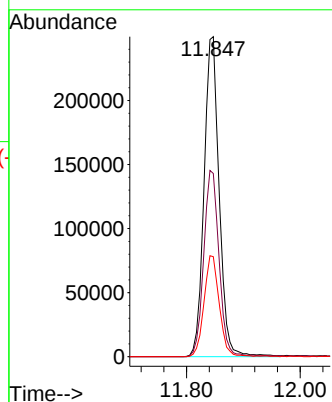
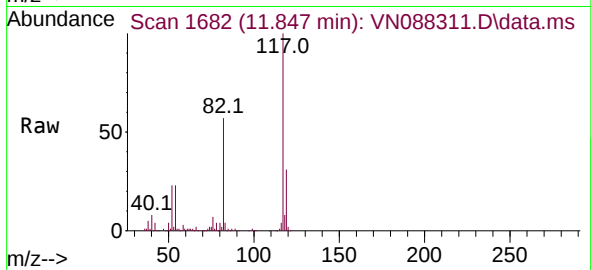




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1681
Delta R.T. 0.006 min
Lab File: VN088311.D
Acq: 18 Nov 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
TB

Tgt Ion:117 Resp: 461775
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 31.2 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: VN088311.D
Acq: 18 Nov 2025 12:16

Tgt Ion:152 Resp: 221071
Ion Ratio Lower Upper
152 100
115 63.4 32.3 96.8
150 158.5 0.0 351.0

