

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088189.D
 Acq On : 31 Oct 2025 15:23
 Operator : JC\MD
 Sample : Q3501-01
 Misc : 2.56g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 461

Quant Time: Nov 01 00:35:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

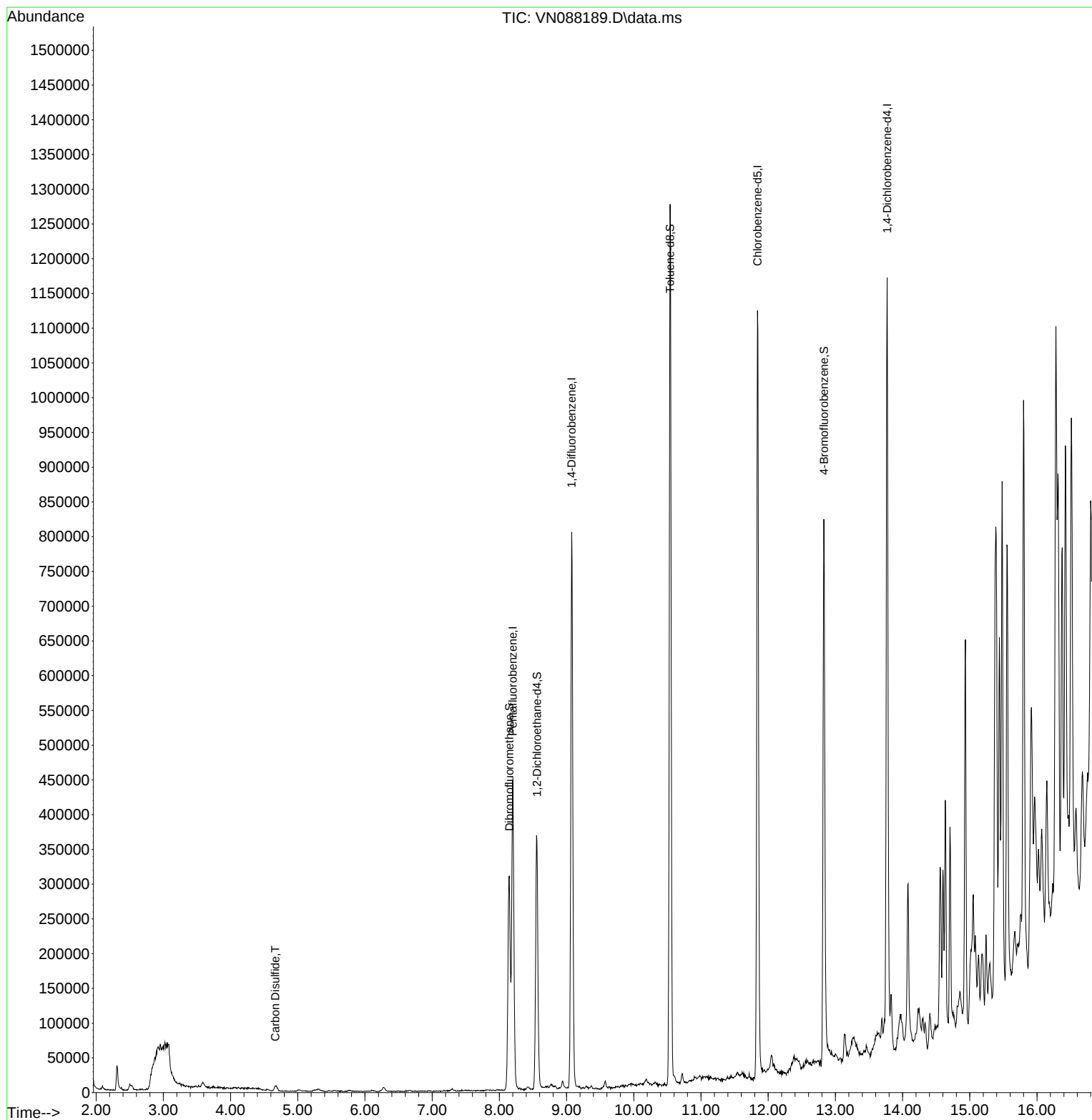
Internal Standards						
1) Pentafluorobenzene	8.200	168	291593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	667986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	607135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	279970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	310303	61.541	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 123.080%	
35) Dibromofluoromethane	8.147	113	226191	50.404	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.800%	
50) Toluene-d8	10.541	98	853731	49.373	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.740%	
62) 4-Bromofluorobenzene	12.829	95	311164	50.955	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.900%	
Target Compounds						
17) Carbon Disulfide	4.665	76	17818	1.599	ug/l	Qvalue 97

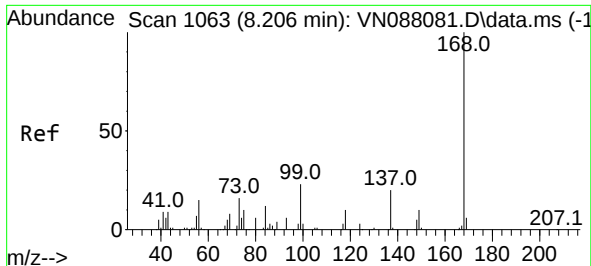
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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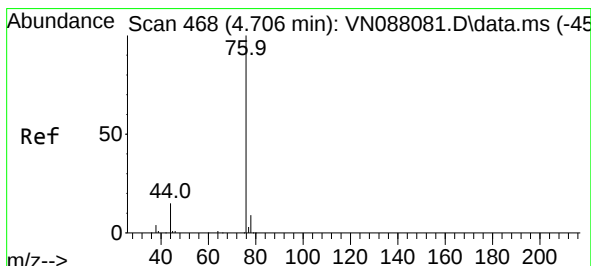
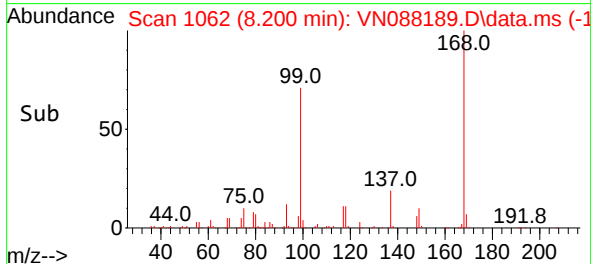
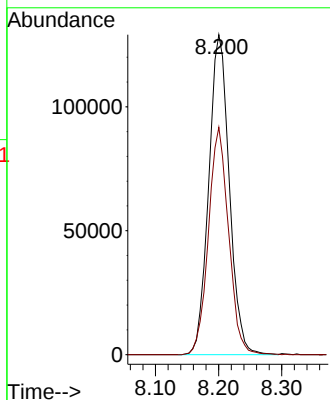
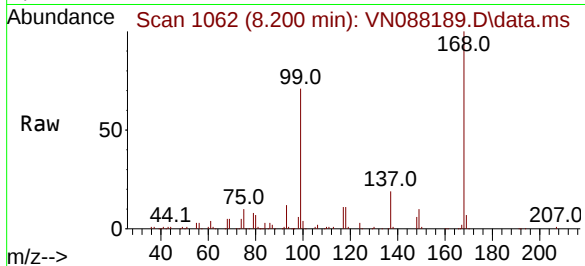




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088189.D
Acq: 31 Oct 2025 15:23

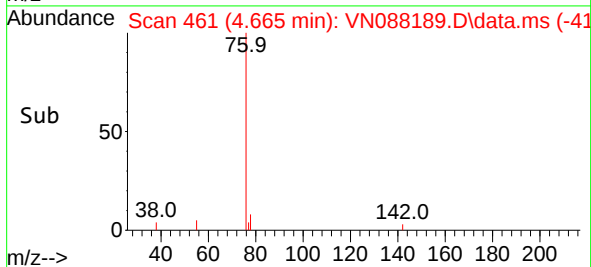
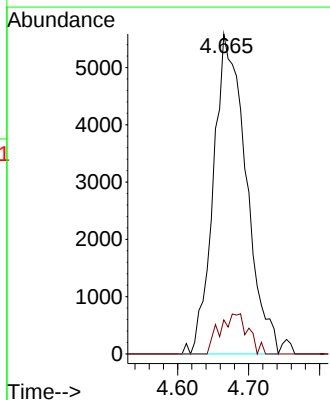
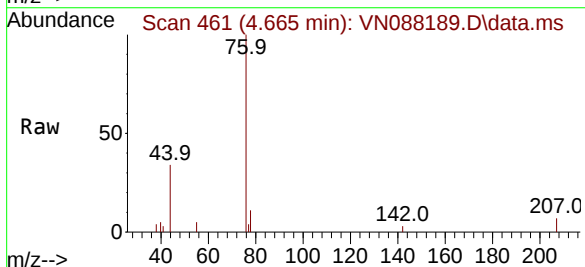
Instrument :
MSVOA_N
ClientSampleId :
461

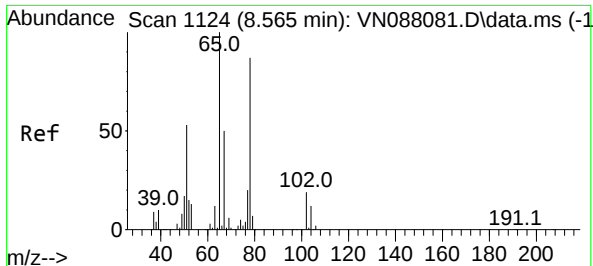
Tgt Ion:168 Resp: 291593
Ion Ratio Lower Upper
168 100
99 71.0 57.2 85.8



#17
Carbon Disulfide
Concen: 1.599 ug/l
RT: 4.665 min Scan# 461
Delta R.T. -0.035 min
Lab File: VN088189.D
Acq: 31 Oct 2025 15:23

Tgt Ion: 76 Resp: 17818
Ion Ratio Lower Upper
76 100
78 10.7 7.6 11.4





#33

1,2-Dichloroethane-d4

Concen: 61.541 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088189.D

Acq: 31 Oct 2025 15:23

Instrument :

MSVOA_N

ClientSampleId :

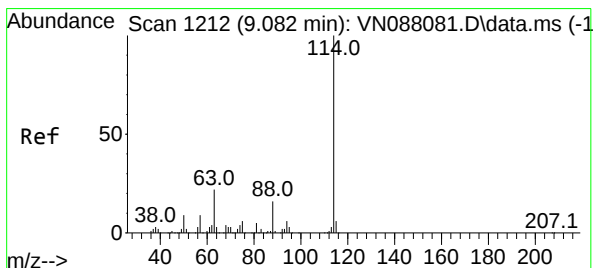
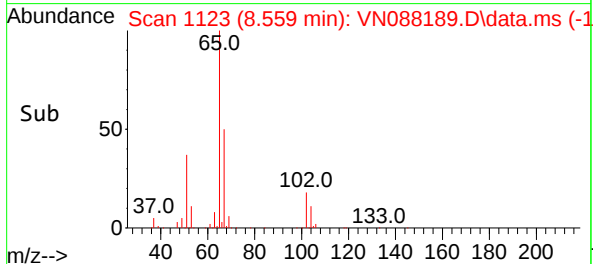
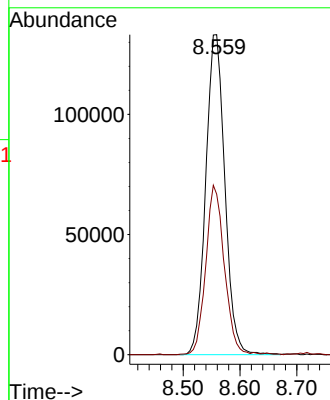
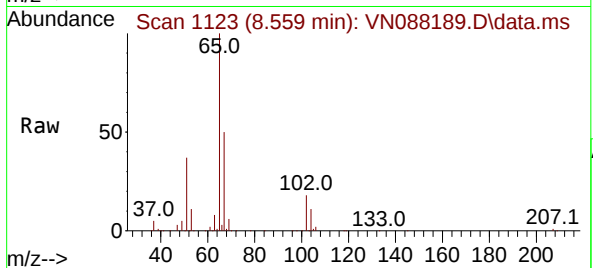
461

Tgt Ion: 65 Resp: 310303

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088189.D

Acq: 31 Oct 2025 15:23

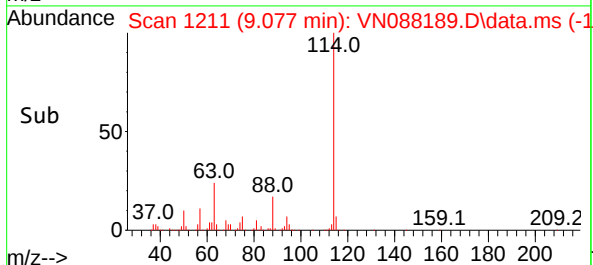
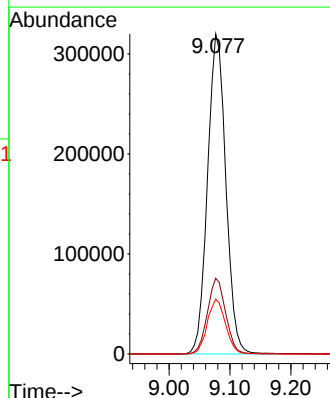
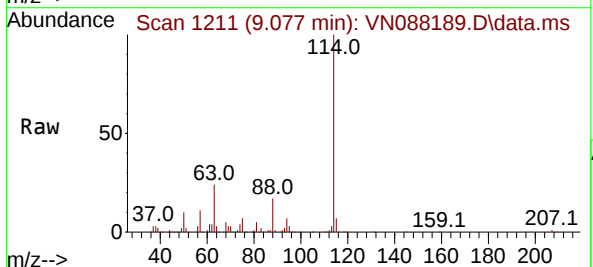
Tgt Ion: 114 Resp: 667986

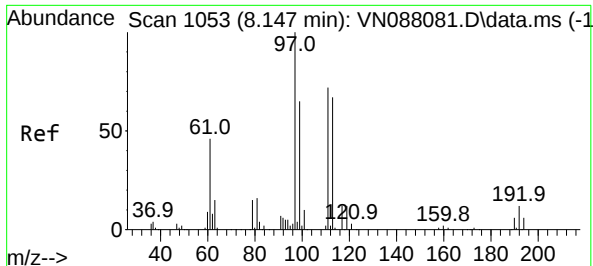
Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.2

88 17.1 0.0 33.4

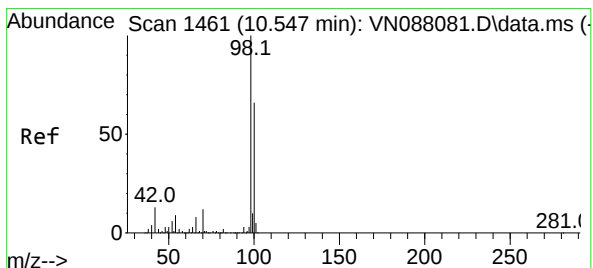
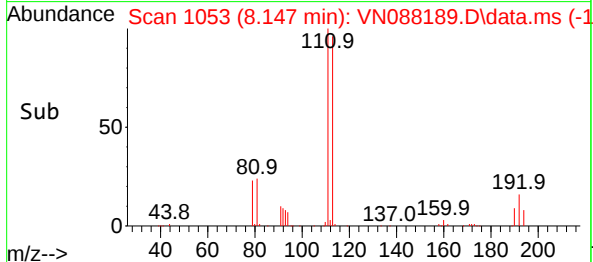
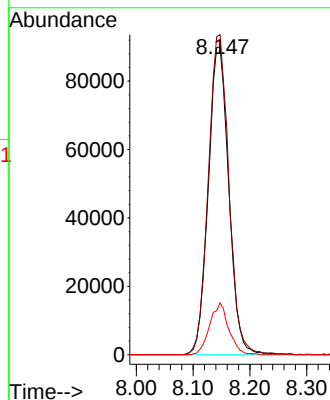
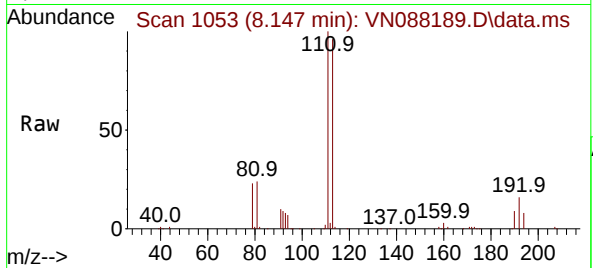




#35
Dibromofluoromethane
Concen: 50.404 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088189.D
Acq: 31 Oct 2025 15:23

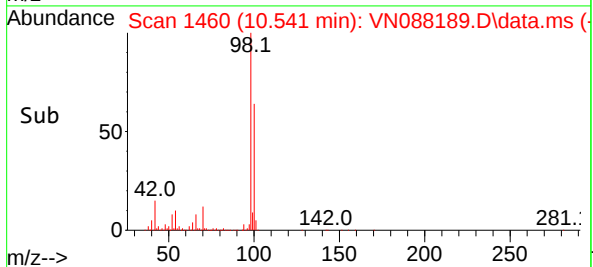
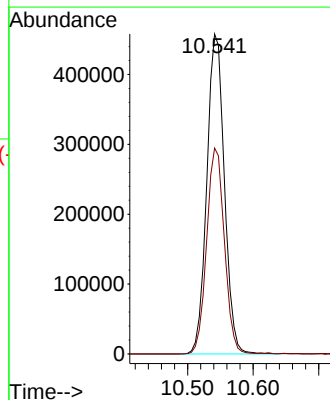
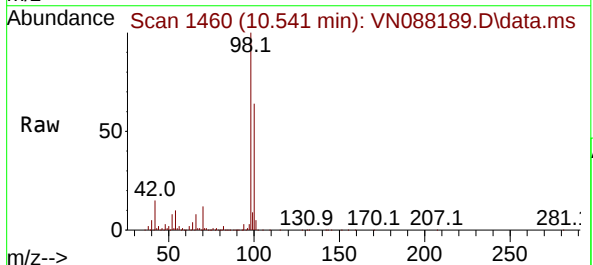
Instrument :
MSVOA_N
ClientSampleId :
461

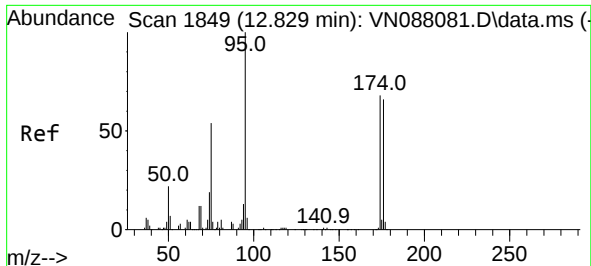
Tgt Ion:113 Resp: 226191
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 15.5 12.8 19.2



#50
Toluene-d8
Concen: 49.373 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088189.D
Acq: 31 Oct 2025 15:23

Tgt Ion: 98 Resp: 853731
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2

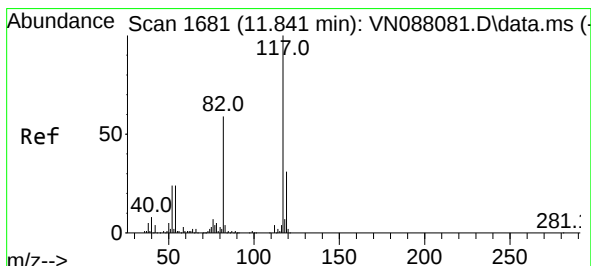
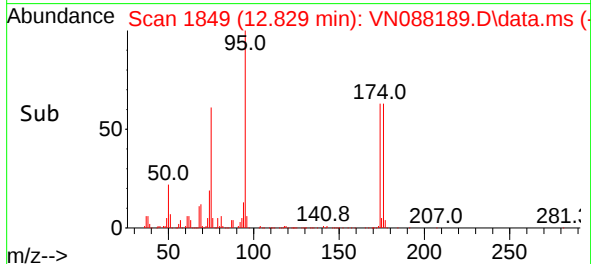
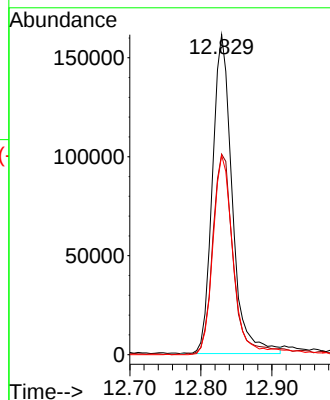
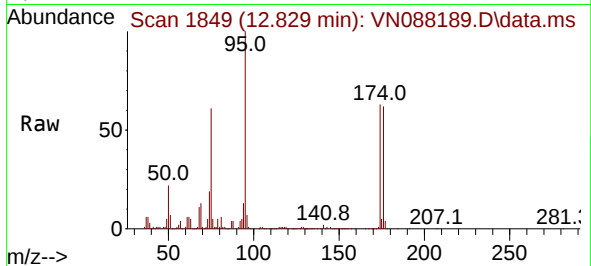




#62
4-Bromofluorobenzene
Concen: 50.955 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088189.D
Acq: 31 Oct 2025 15:23

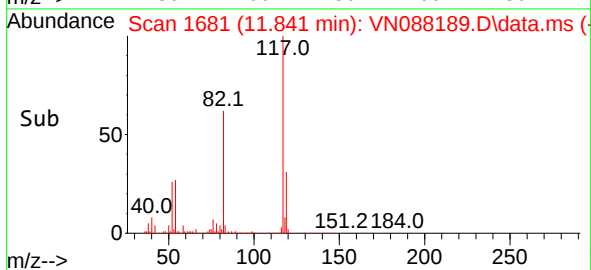
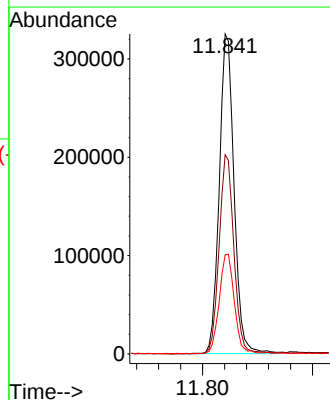
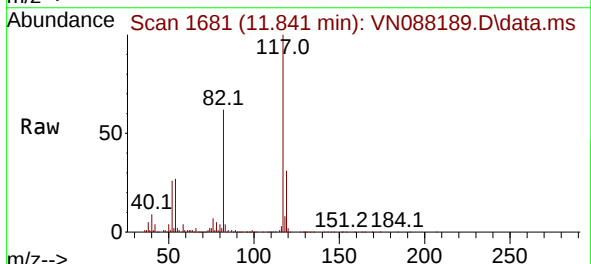
Instrument :
MSVOA_N
ClientSampleId :
461

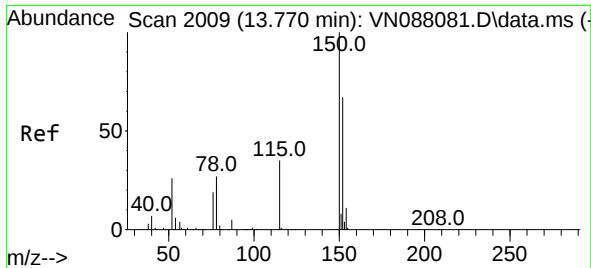
Tgt Ion: 95 Resp: 311164
Ion Ratio Lower Upper
95 100
174 66.4 0.0 138.4
176 65.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088189.D
Acq: 31 Oct 2025 15:23

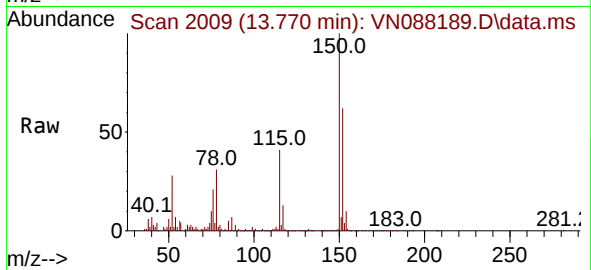
Tgt Ion: 117 Resp: 607135
Ion Ratio Lower Upper
117 100
82 62.3 47.4 71.2
119 30.9 24.3 36.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN088189.D
 Acq: 31 Oct 2025 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 461



Tgt Ion:152 Resp: 279970

Ion	Ratio	Lower	Upper
152	100		
115	67.6	32.3	96.8
150	162.2	0.0	351.0

