

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087588.D
 Acq On : 15 Aug 2025 17:29
 Operator : JC\MD
 Sample : Q2844-11
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0228

Quant Time: Aug 18 05:48:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

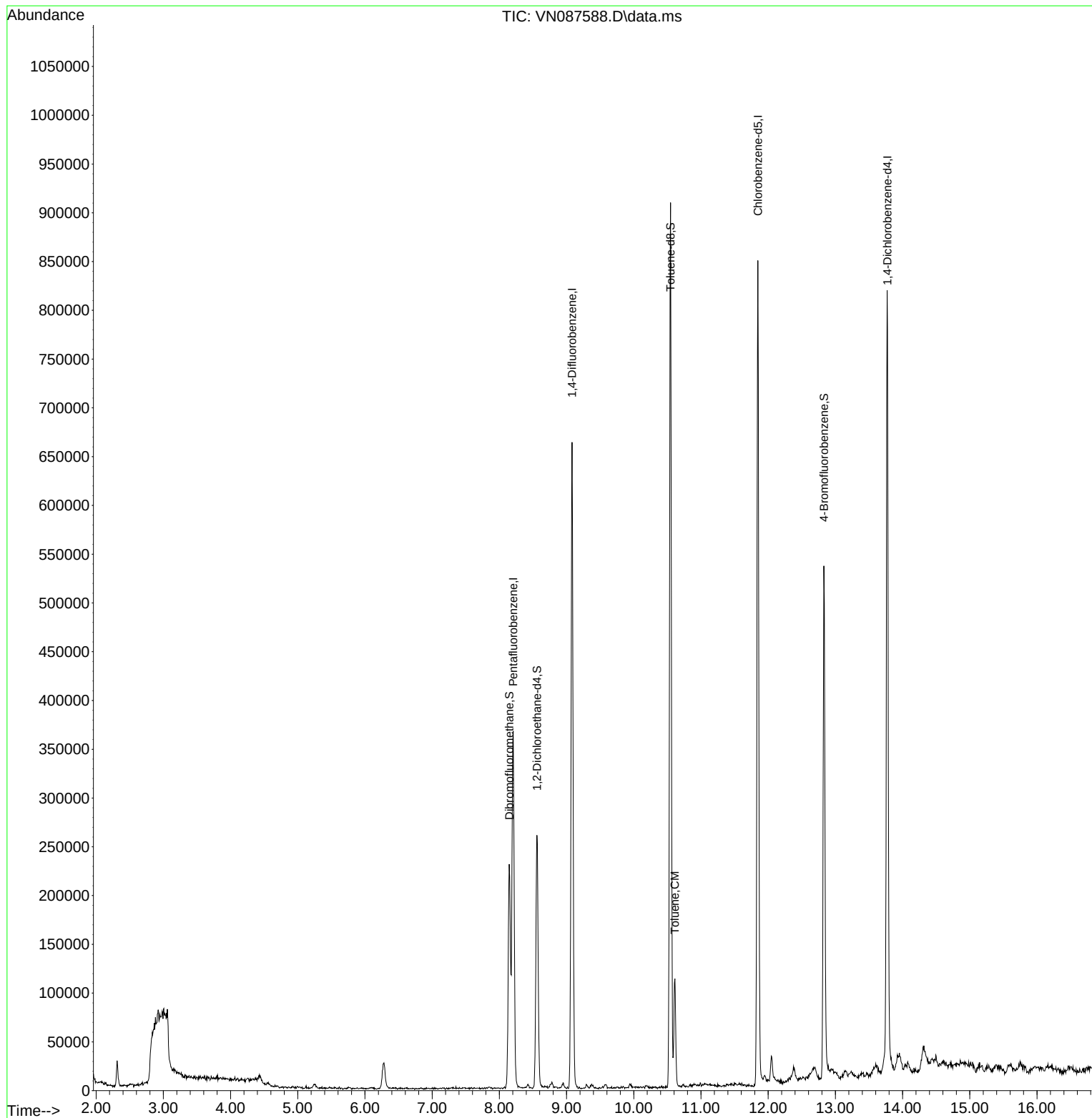
Internal Standards						
1) Pentafluorobenzene	8.206	168	247646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	548462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	463252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.776	152	209456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	220599	52.498	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	105.000%	
35) Dibromofluoromethane	8.147	113	163312	43.167	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	86.340%	
50) Toluene-d8	10.547	98	601560	44.575	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	89.160%	
62) 4-Bromofluorobenzene	12.829	95	190375	38.182	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	76.360%#	
Target Compounds						
52) Toluene	10.612	92	45018	4.585	ug/l	Qvalue 93

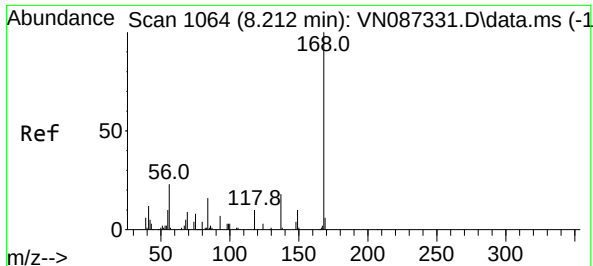
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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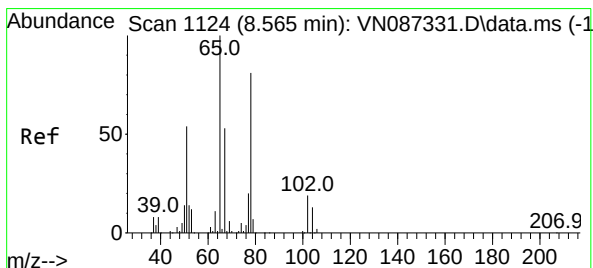
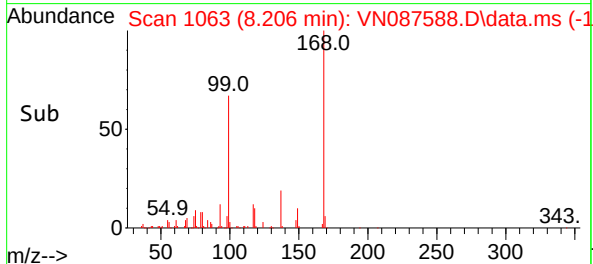
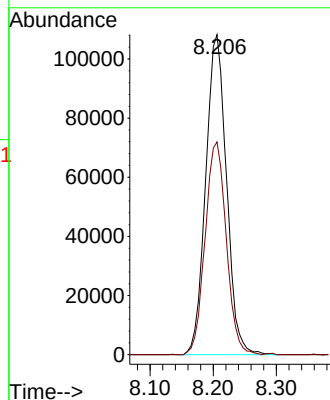
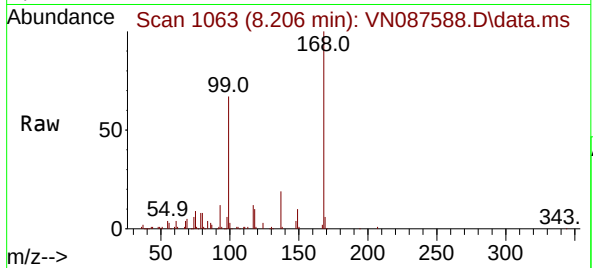




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

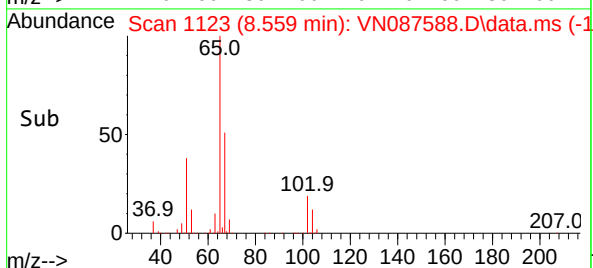
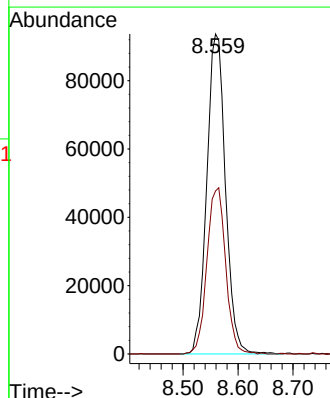
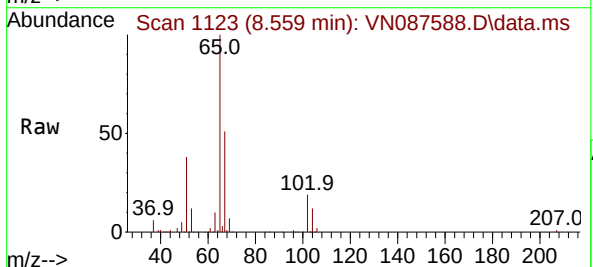
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0228

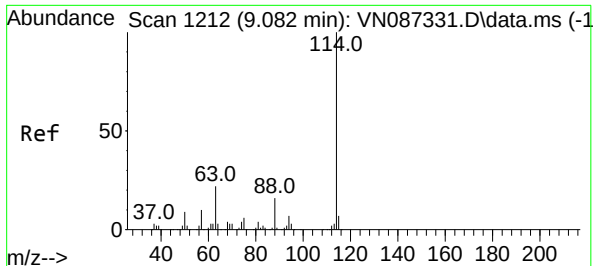
Tgt Ion:168 Resp: 247646
Ion Ratio Lower Upper
168 100
99 66.5 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 52.498 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Tgt Ion: 65 Resp: 220599
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087588.D

Acq: 15 Aug 2025 17:29

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0228

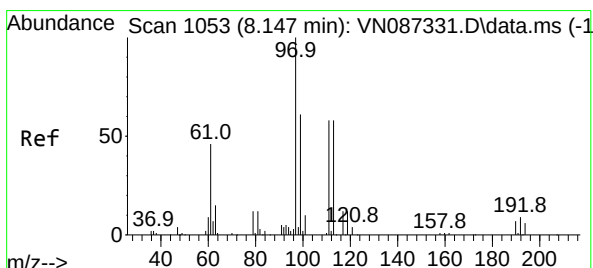
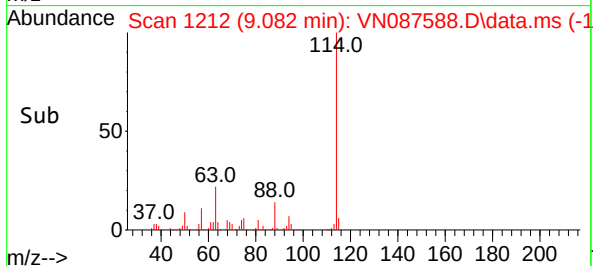
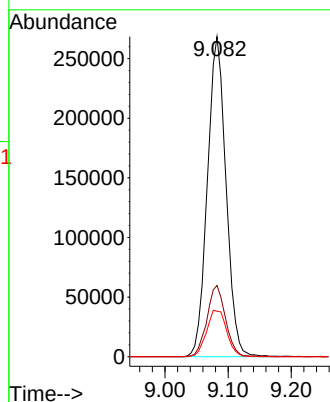
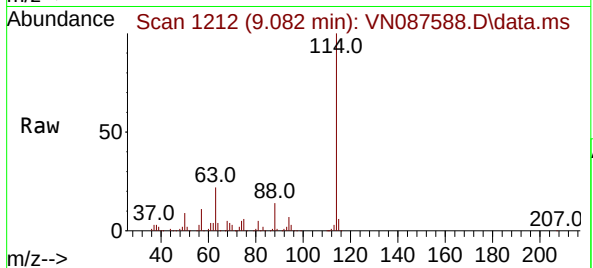
Tgt Ion:114 Resp: 548462

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.6

88 14.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 43.167 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087588.D

Acq: 15 Aug 2025 17:29

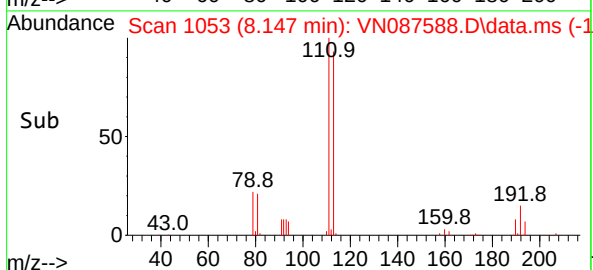
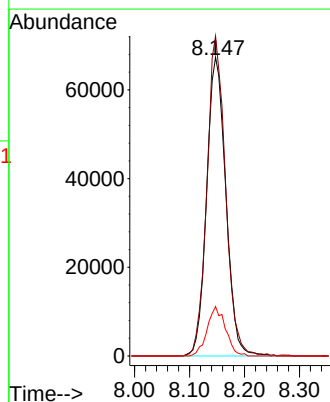
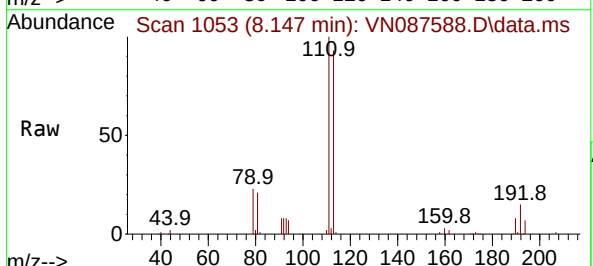
Tgt Ion:113 Resp: 163312

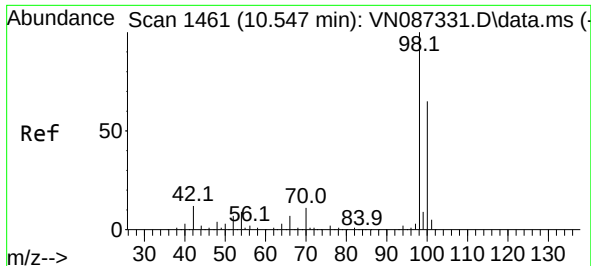
Ion Ratio Lower Upper

113 100

111 103.9 82.5 123.7

192 15.8 13.7 20.5

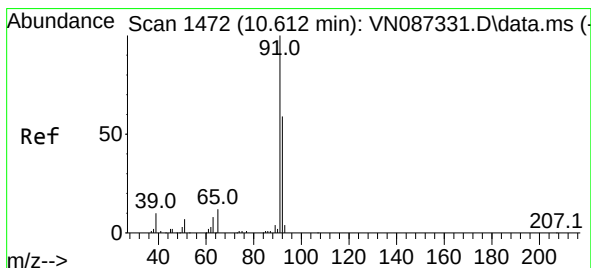
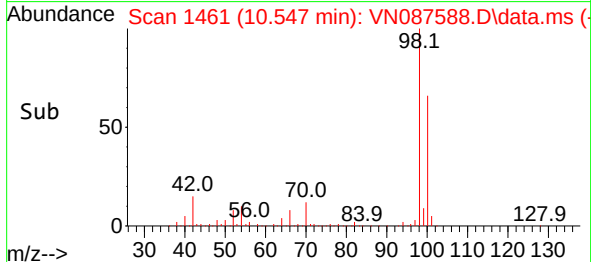
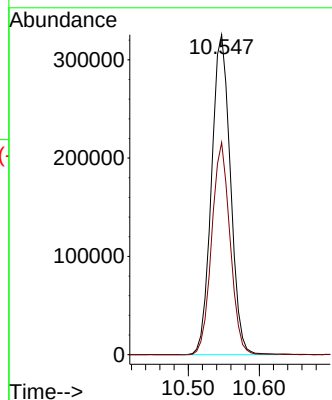
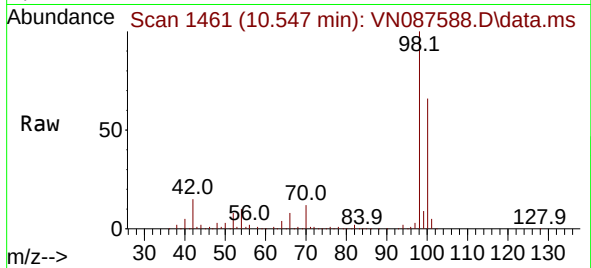




#50
Toluene-d8
Concen: 44.575 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

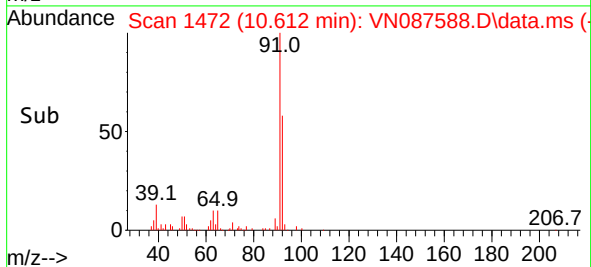
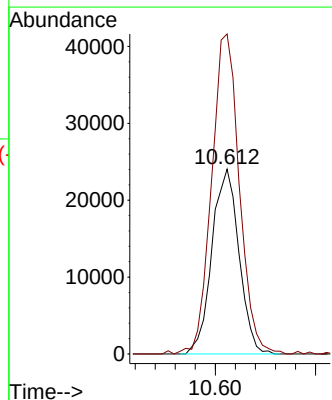
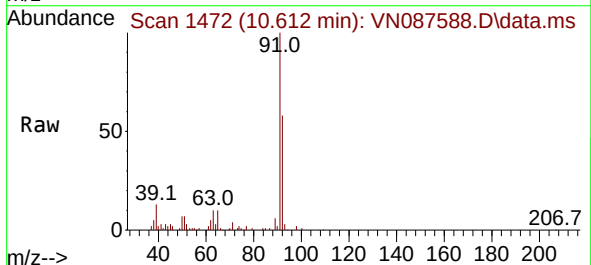
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0228

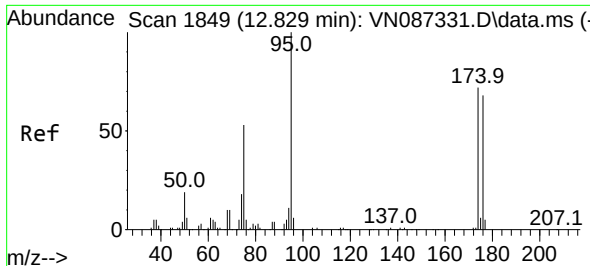
Tgt Ion: 98 Resp: 601560
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#52
Toluene
Concen: 4.585 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

Tgt Ion: 92 Resp: 45018
Ion Ratio Lower Upper
92 100
91 177.9 135.1 202.7

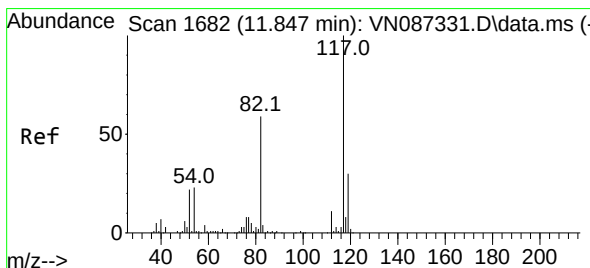
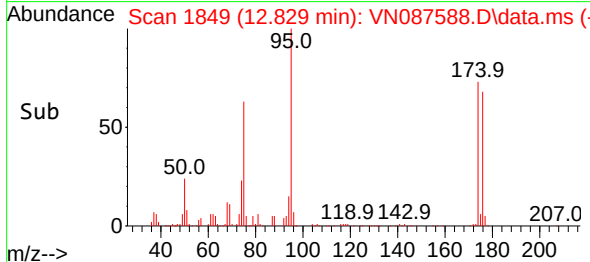
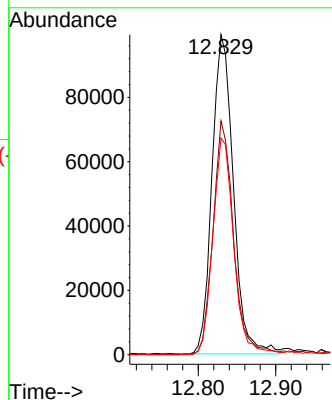
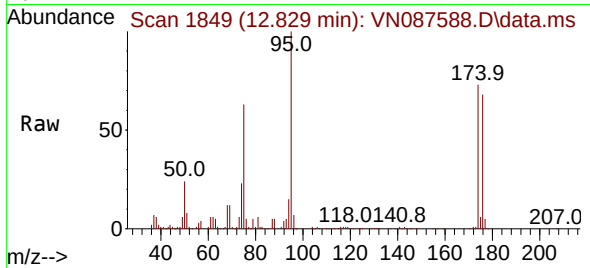




#62
4-Bromofluorobenzene
Concen: 38.182 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

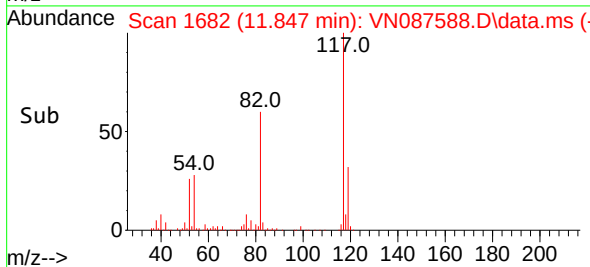
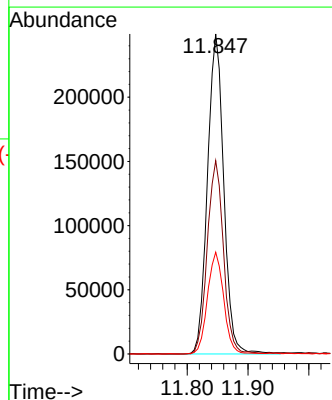
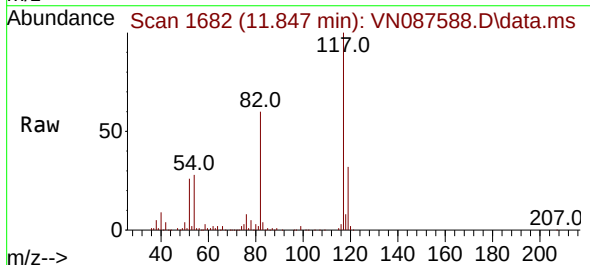
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0228

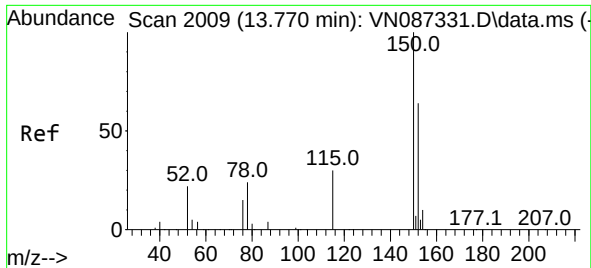
Tgt Ion: 95 Resp: 190375
Ion Ratio Lower Upper
95 100
174 70.7 0.0 149.4
176 66.3 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087588.D
Acq: 15 Aug 2025 17:29

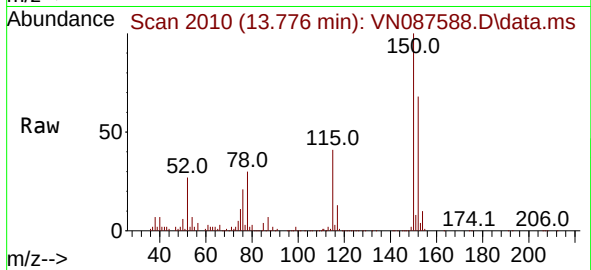
Tgt Ion: 117 Resp: 463252
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 31.8 23.8 35.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.776 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087588.D
 Acq: 15 Aug 2025 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0228



Tgt Ion:152 Resp: 209456
 Ion Ratio Lower Upper
 152 100
 115 64.5 31.1 93.5
 150 159.4 0.0 349.0

