

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088531.D
 Acq On : 16 Dec 2025 16:07
 Operator : JC\MD
 Sample : Q3852-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TK 9&10 12"

Quant Time: Dec 17 01:44:28 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)

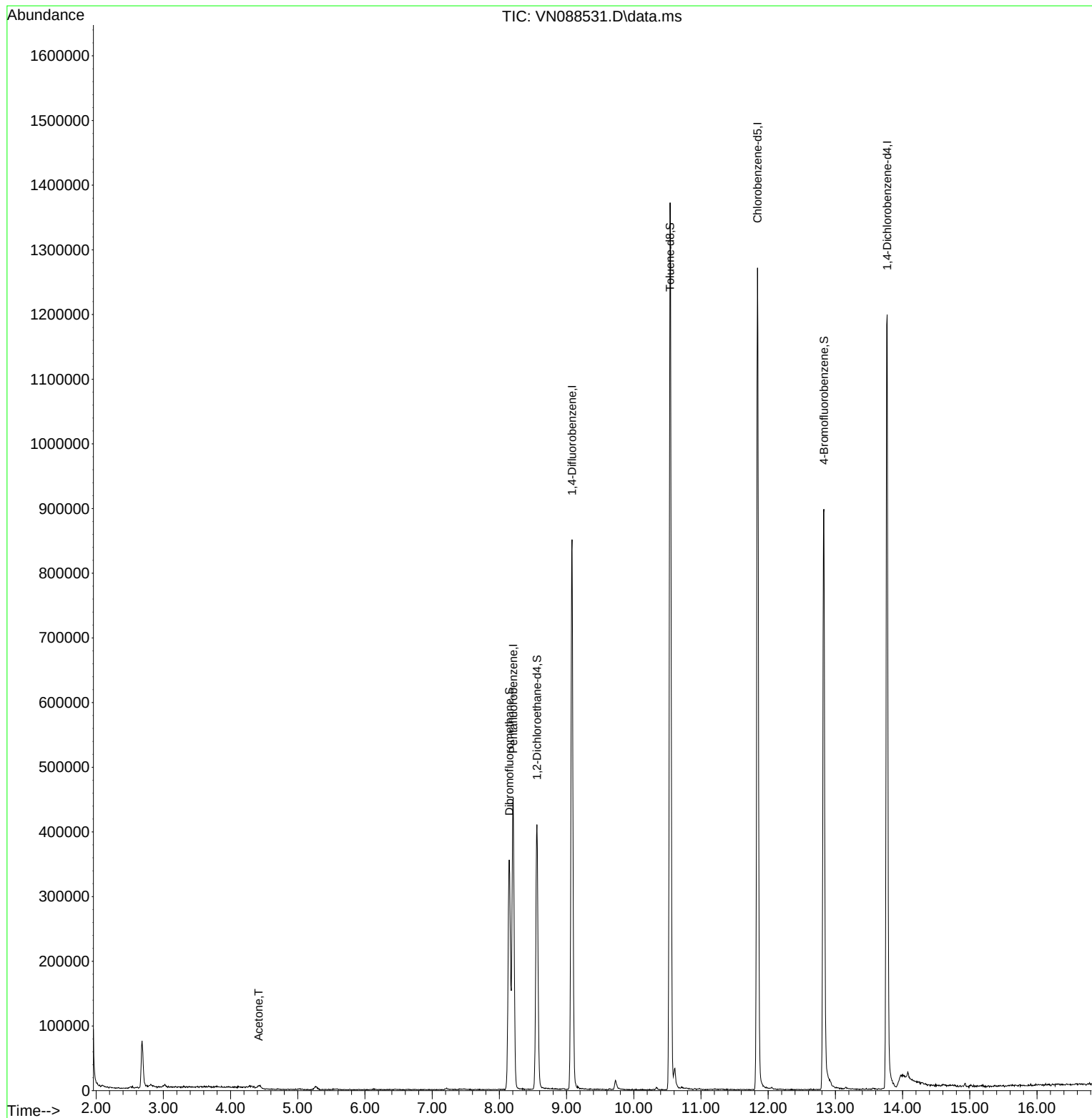
Internal Standards						
1) Pentafluorobenzene	8.206	168	300923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	700237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	708093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	340309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	350784	61.880	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 123.760%		
35) Dibromofluoromethane	8.147	113	262505	54.096	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 108.200%		
50) Toluene-d8	10.541	98	922343	51.084	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.160%		
62) 4-Bromofluorobenzene	12.829	95	355347	57.359	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 114.720%		
Target Compounds						
16) Acetone	4.418	43	10804	5.270	ug/l	Qvalue 94

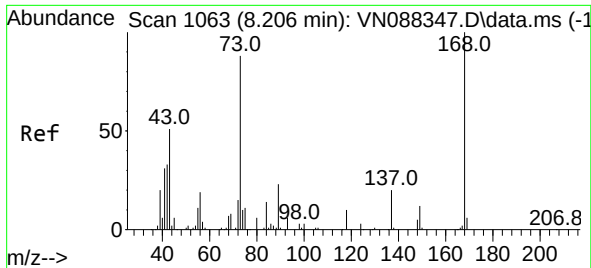
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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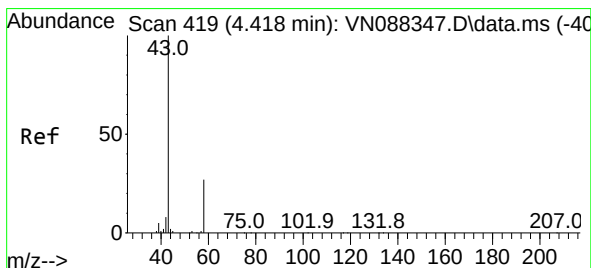
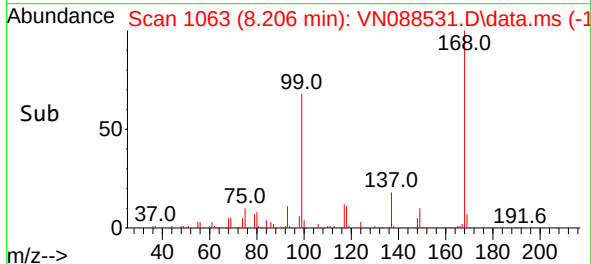
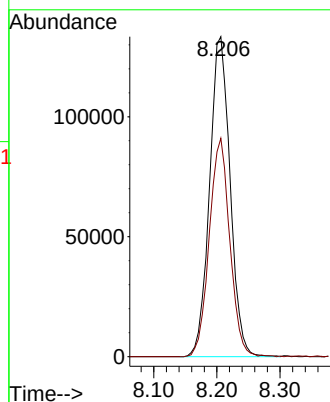
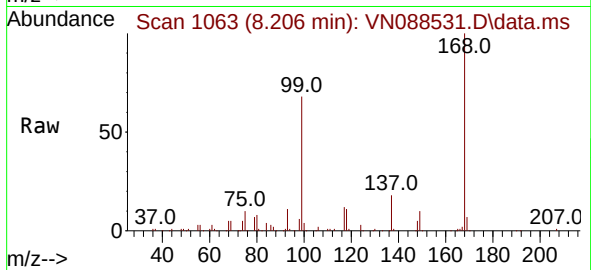




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

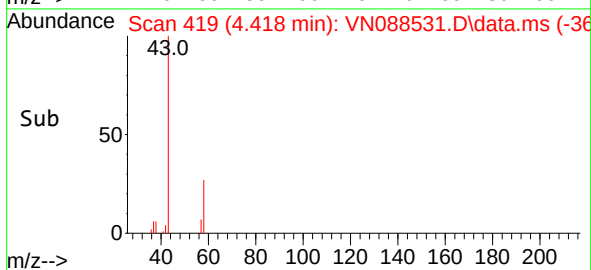
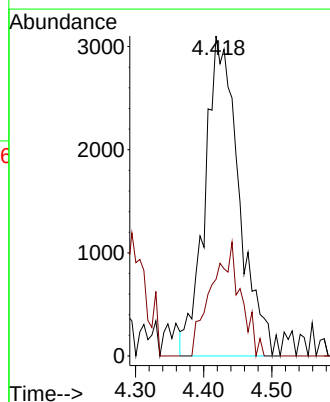
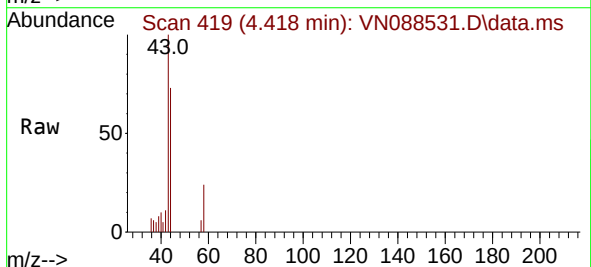
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 12"

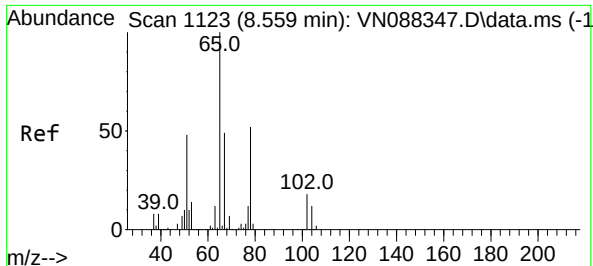
Tgt Ion:168 Resp: 300923
Ion Ratio Lower Upper
168 100
99 68.2 57.1 85.7



#16
Acetone
Concen: 5.270 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

Tgt Ion: 43 Resp: 10804
Ion Ratio Lower Upper
43 100
58 24.0 21.7 32.5





#33

1,2-Dichloroethane-d4

Concen: 61.880 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088531.D

Acq: 16 Dec 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

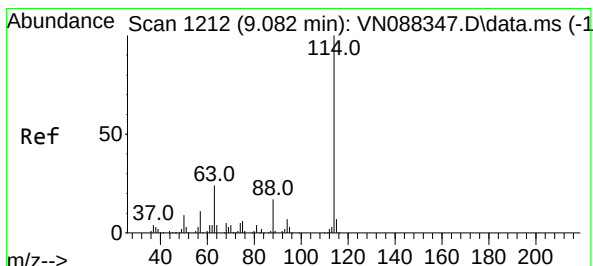
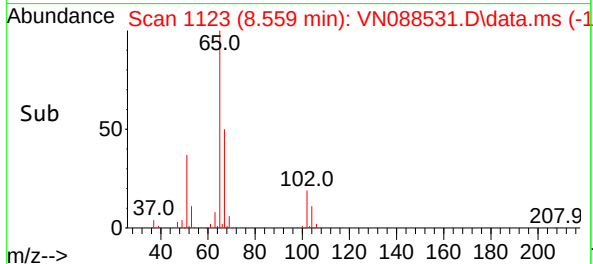
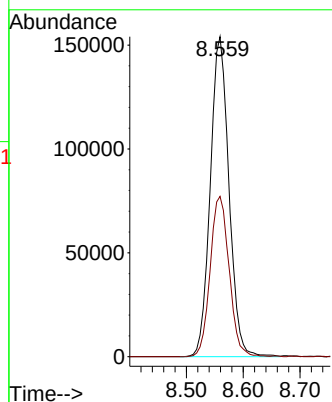
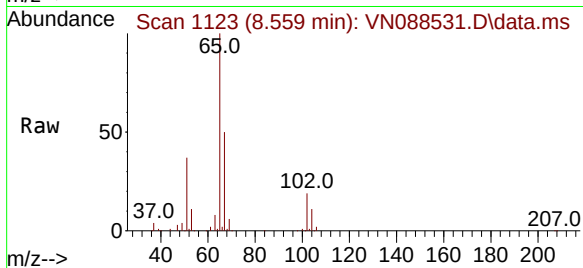
TK 9&10 12"

Tgt Ion: 65 Resp: 350784

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088531.D

Acq: 16 Dec 2025 16:07

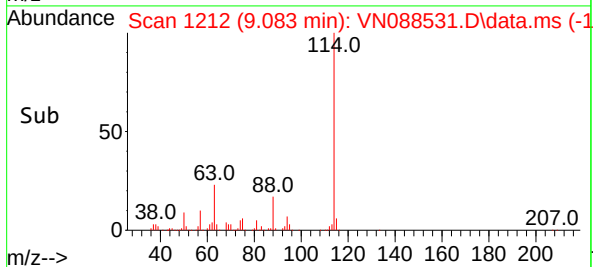
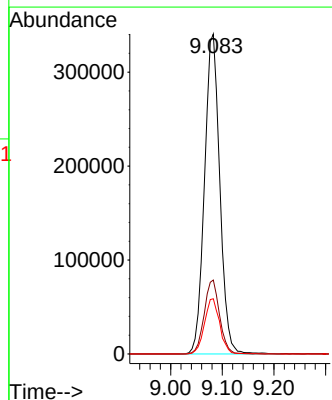
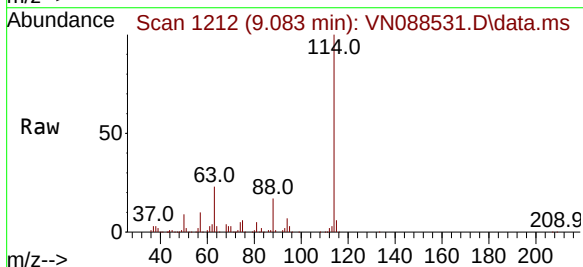
Tgt Ion: 114 Resp: 700237

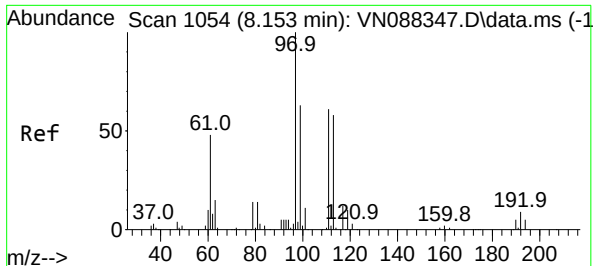
Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.0

88 17.3 0.0 34.0

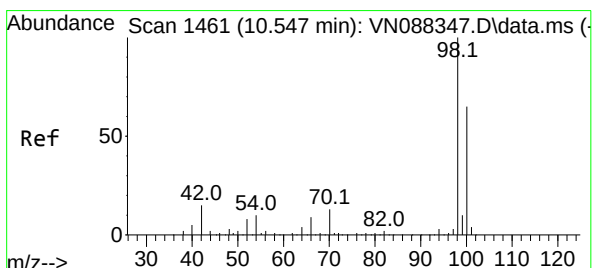
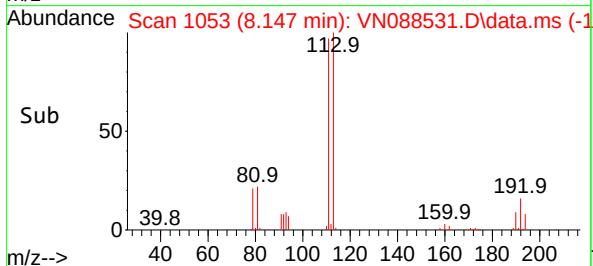
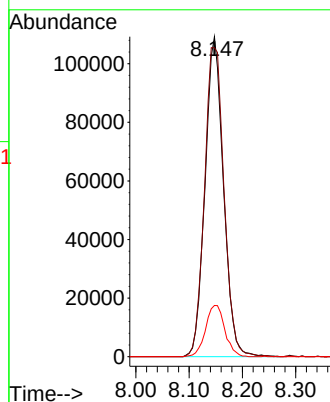
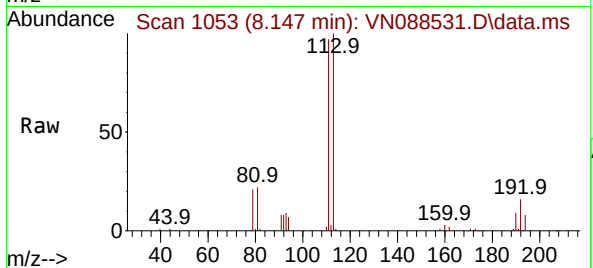




#35
Dibromofluoromethane
Concen: 54.096 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

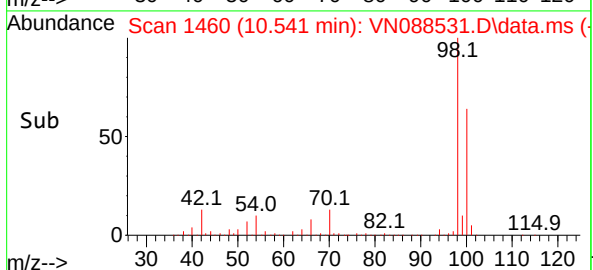
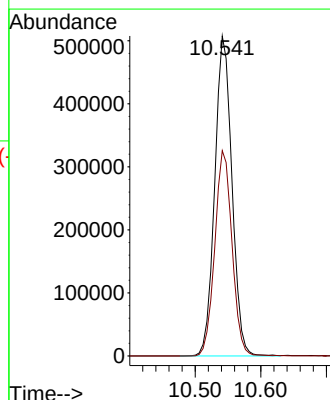
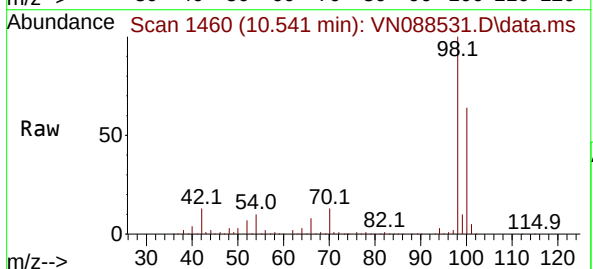
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 12"

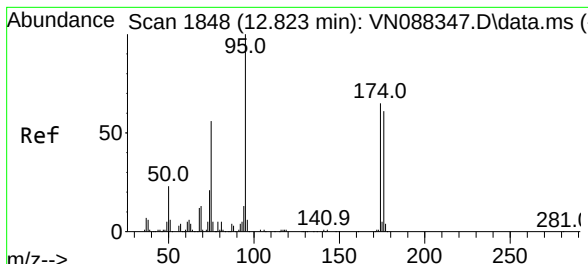
Tgt Ion:113 Resp: 262505
Ion Ratio Lower Upper
113 100
111 102.8 82.5 123.7
192 16.8 12.8 19.2



#50
Toluene-d8
Concen: 51.084 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

Tgt Ion: 98 Resp: 922343
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2

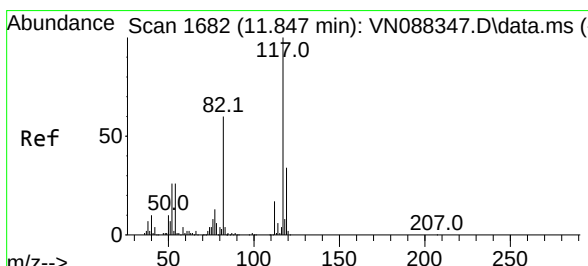
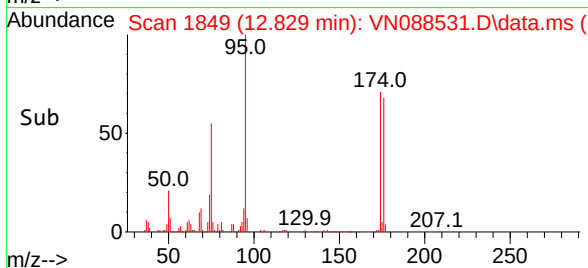
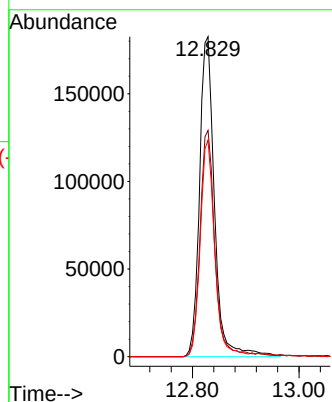
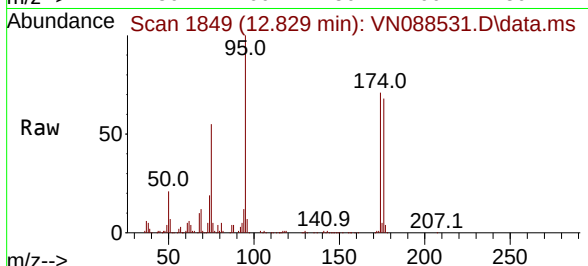




#62
4-Bromofluorobenzene
Concen: 57.359 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

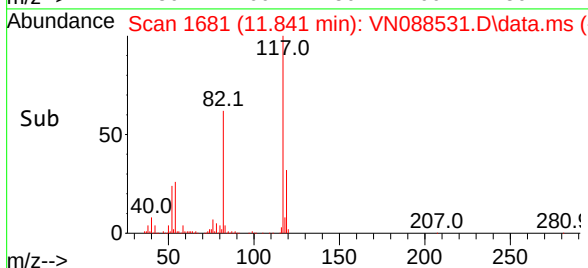
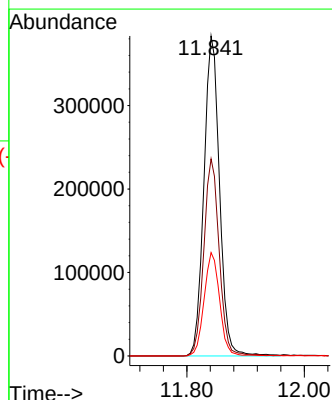
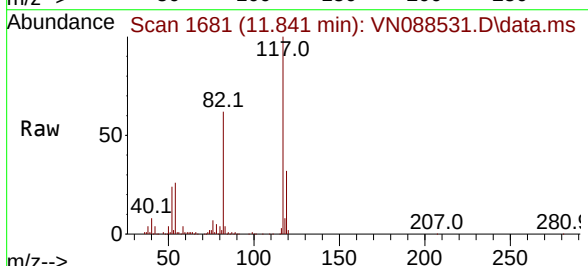
Instrument :
MSVOA_N
ClientSampleId :
TK 9&10 12"

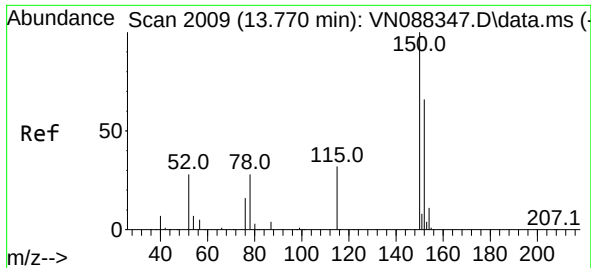
Tgt Ion: 95 Resp: 355347
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.0
176 65.2 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088531.D
Acq: 16 Dec 2025 16:07

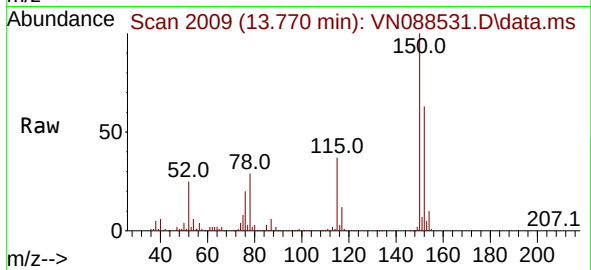
Tgt Ion: 117 Resp: 708093
Ion Ratio Lower Upper
117 100
82 61.6 47.8 71.8
119 32.3 26.9 40.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN088531.D
 Acq: 16 Dec 2025 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 TK 9&10 12"



Tgt Ion:152 Resp: 340309
 Ion Ratio Lower Upper
 152 100
 115 62.1 33.0 98.9
 150 157.2 0.0 349.0

