

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088184.D
 Acq On : 31 Oct 2025 13:39
 Operator : JC\MD
 Sample : Q3447-03
 Misc : 3.12g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW2-251023-01

Quant Time: Nov 01 00:32:38 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)

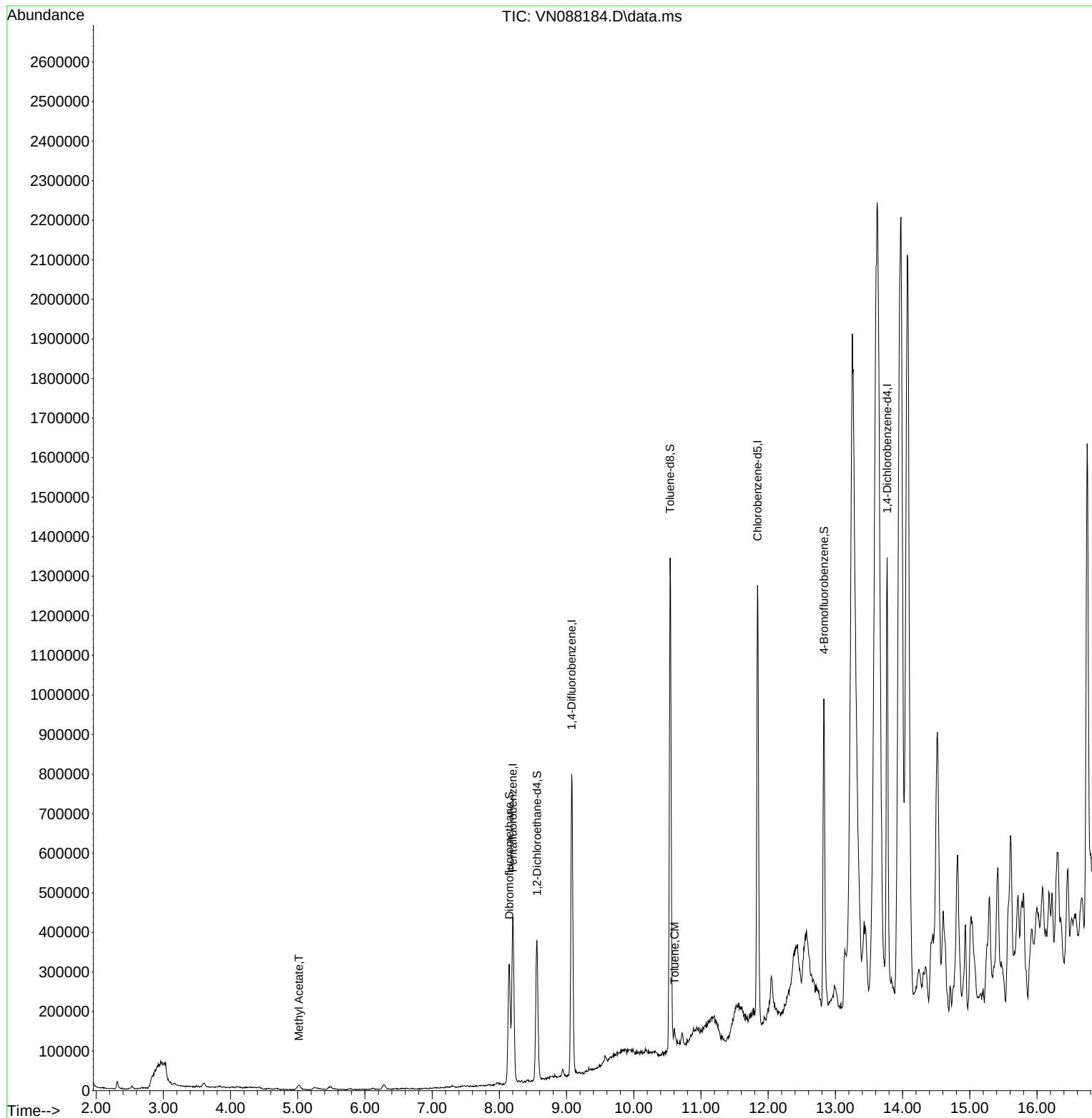
Internal Standards						
1) Pentafluorobenzene	8.200	168	276191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.076	114	636604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	597605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	292293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	303661	63.582	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 127.160%#		
35) Dibromofluoromethane	8.147	113	214820	50.230	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.460%		
50) Toluene-d8	10.541	98	823680	49.984	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.960%		
62) 4-Bromofluorobenzene	12.829	95	333219	57.256	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 114.520%		
Target Compounds						
						Qvalue
18) Methyl Acetate	5.018	43	24611	5.010	ug/l	98
52) Toluene	10.606	92	12993	1.108	ug/l	97

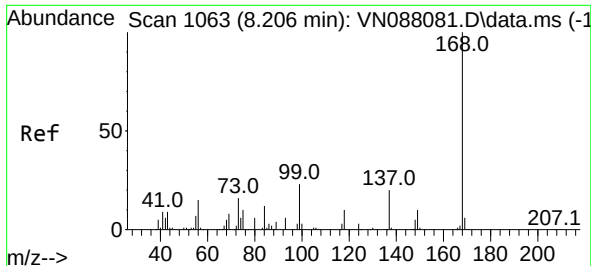
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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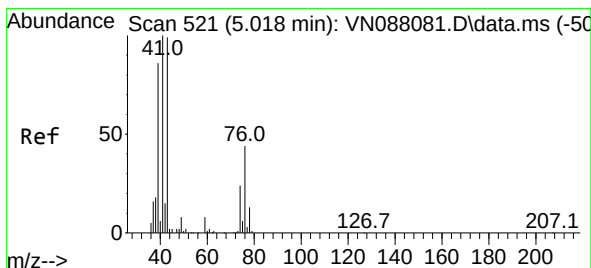
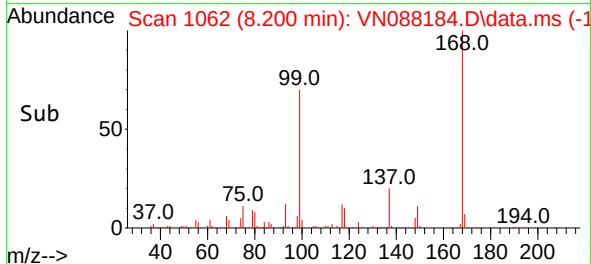
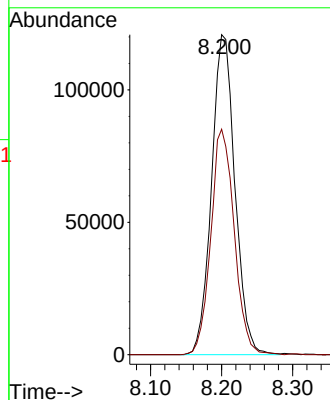
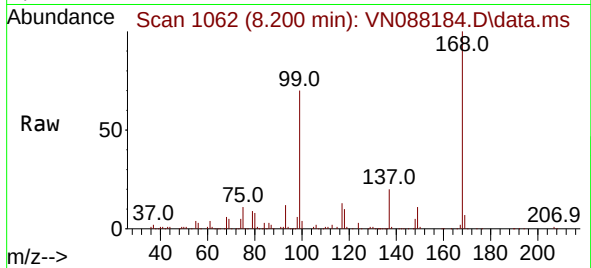




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088184.D
Acq: 31 Oct 2025 13:39

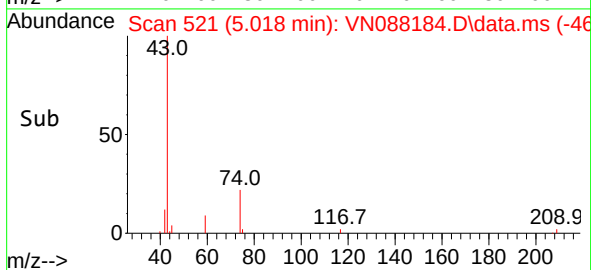
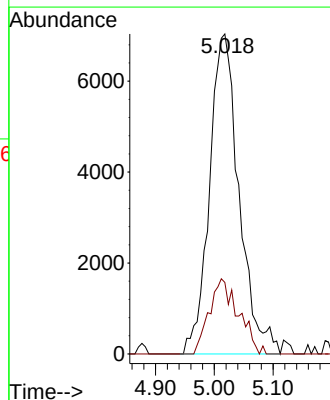
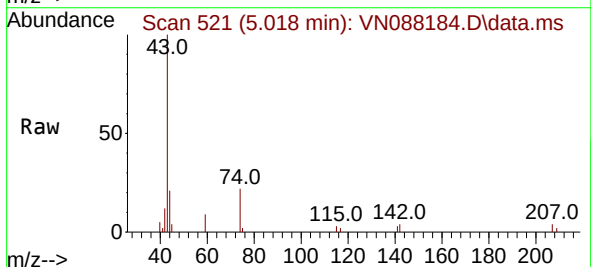
Instrument :
MSVOA_N
ClientSampleId :
P001-TW2-251023-01

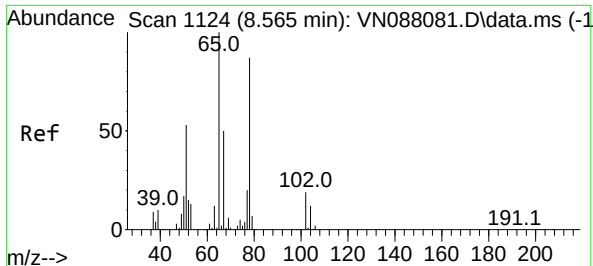
Tgt Ion:168 Resp: 276191
Ion Ratio Lower Upper
168 100
99 70.5 57.2 85.8



#18
Methyl Acetate
Concen: 5.010 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN088184.D
Acq: 31 Oct 2025 13:39

Tgt Ion: 43 Resp: 24611
Ion Ratio Lower Upper
43 100
74 23.1 17.6 26.4





#33

1,2-Dichloroethane-d4

Concen: 63.582 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088184.D

Acq: 31 Oct 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

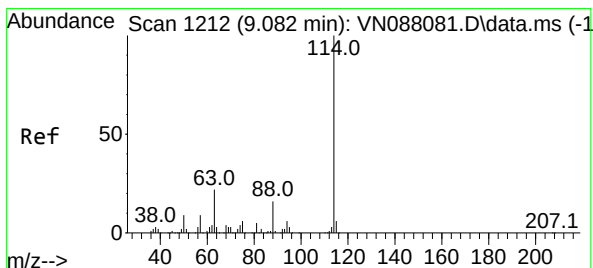
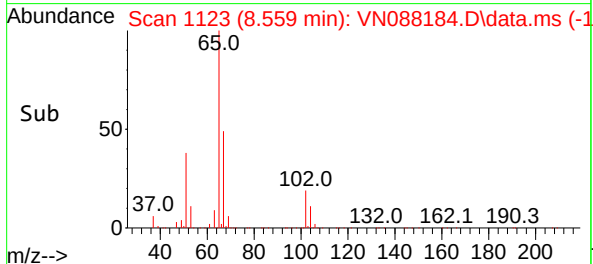
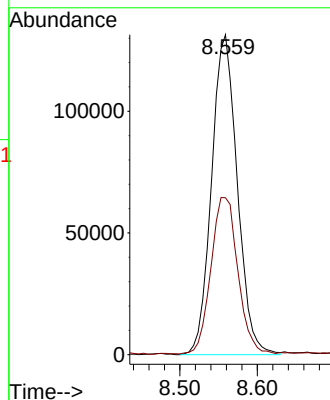
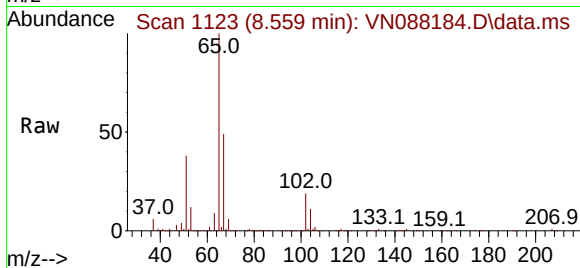
P001-TW2-251023-01

Tgt Ion: 65 Resp: 303661

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.076 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088184.D

Acq: 31 Oct 2025 13:39

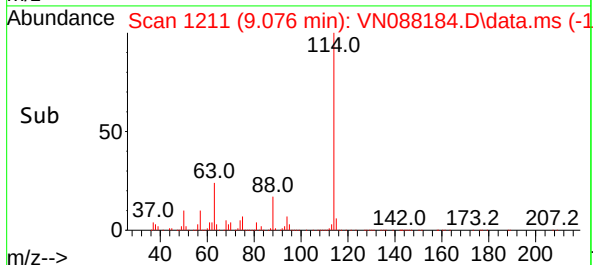
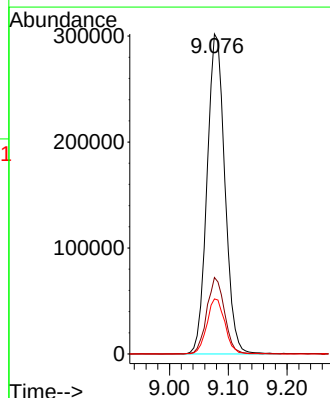
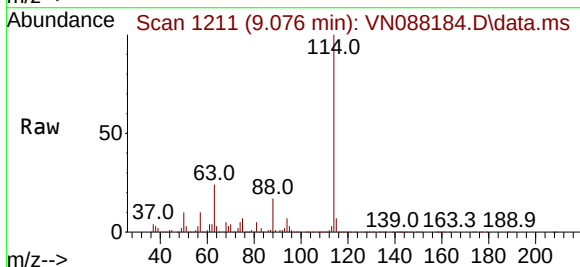
Tgt Ion:114 Resp: 636604

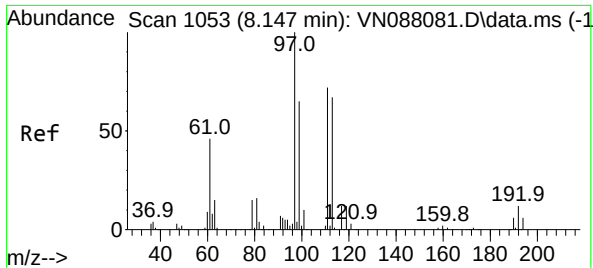
Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.2

88 17.2 0.0 33.4

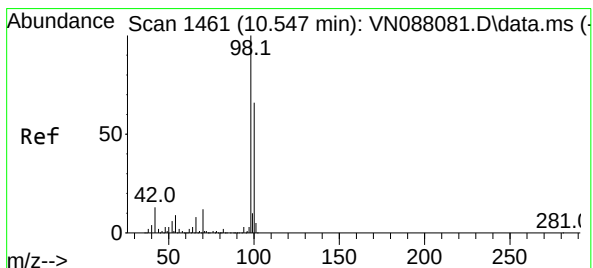
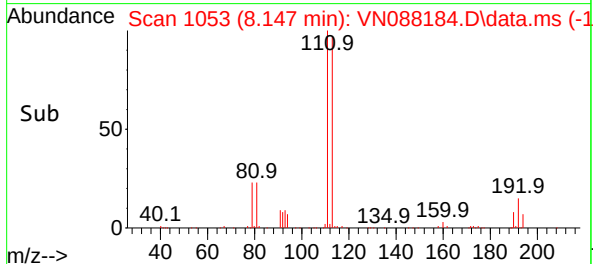
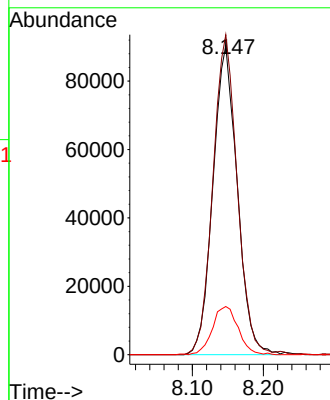
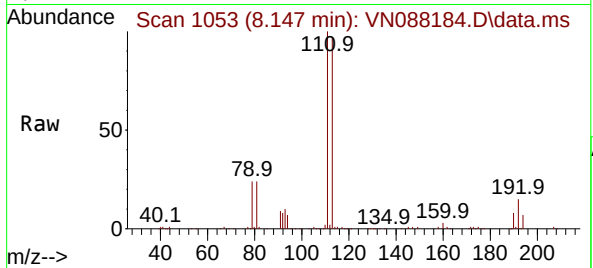




#35
Dibromofluoromethane
Concen: 50.230 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088184.D
Acq: 31 Oct 2025 13:39

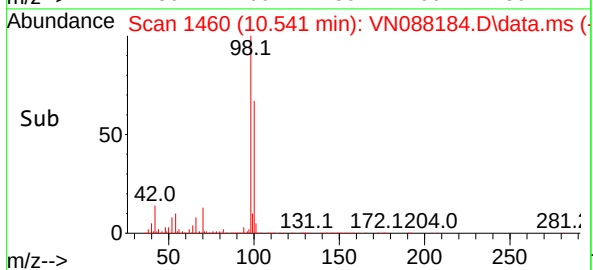
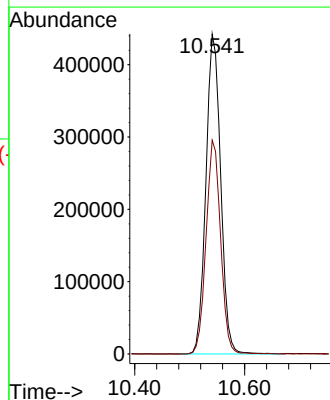
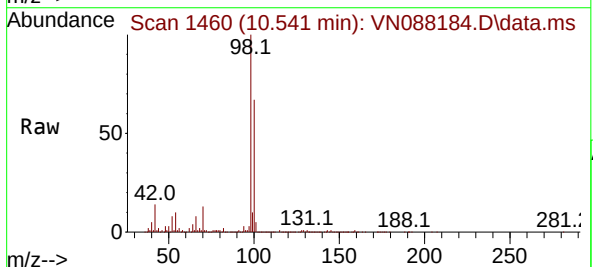
Instrument :
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P001-TW2-251023-01

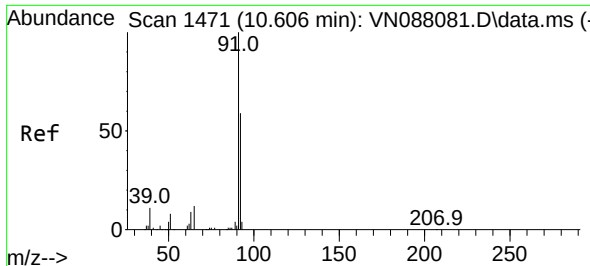
Tgt Ion:113 Resp: 214820
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 16.6 12.8 19.2



#50
Toluene-d8
Concen: 49.984 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088184.D
Acq: 31 Oct 2025 13:39

Tgt Ion: 98 Resp: 823680
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2

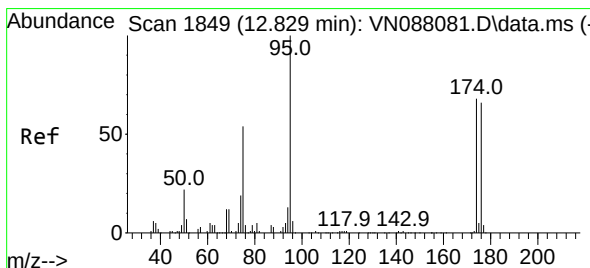
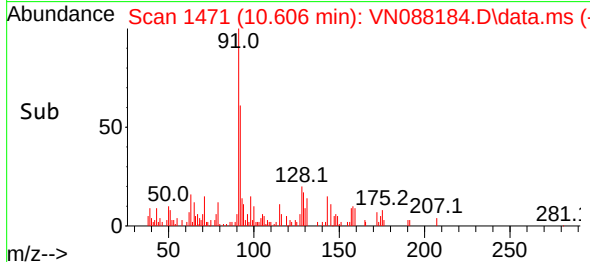
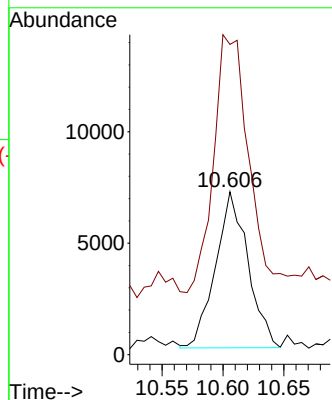
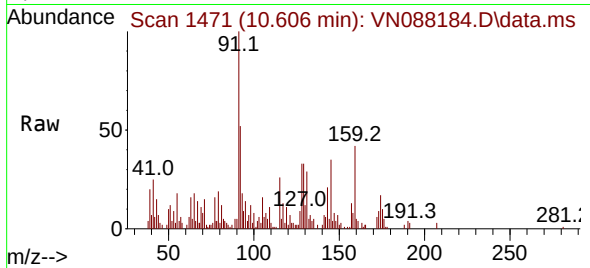




#52
Toluene
Concen: 1.108 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088184.D
Acq: 31 Oct 2025 13:39

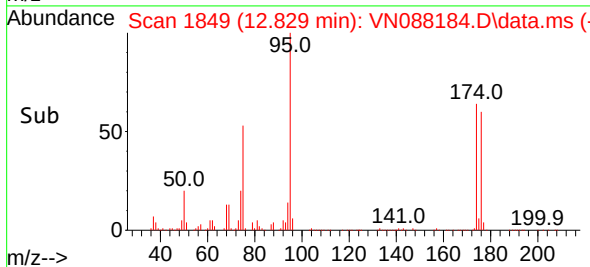
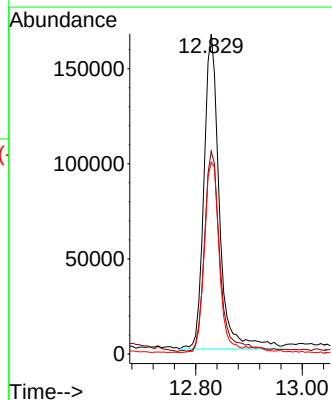
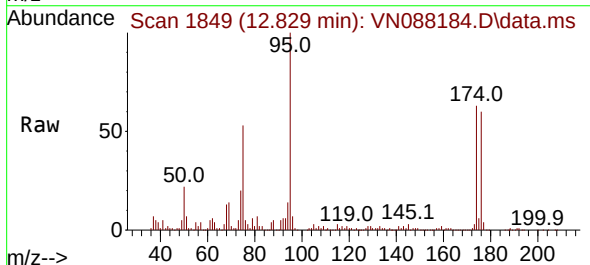
Instrument :
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ClientSampleId :
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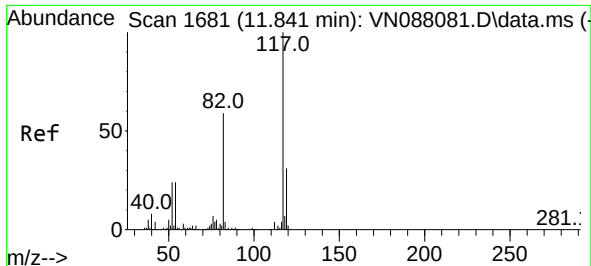
Tgt Ion: 92 Resp: 12993
Ion Ratio Lower Upper
92 100
91 179.8 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 57.256 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088184.D
Acq: 31 Oct 2025 13:39

Tgt Ion: 95 Resp: 333219
Ion Ratio Lower Upper
95 100
174 63.7 0.0 138.4
176 58.6 0.0 132.6

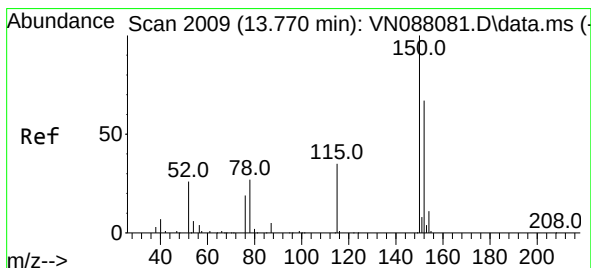
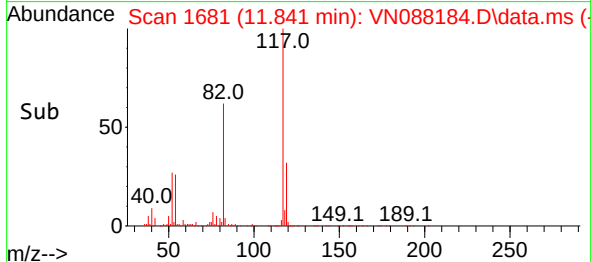
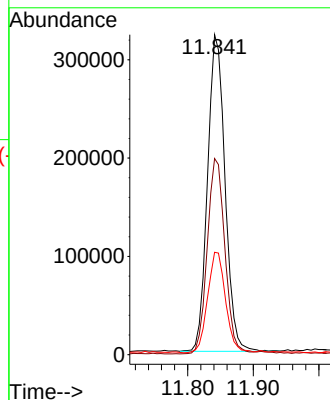
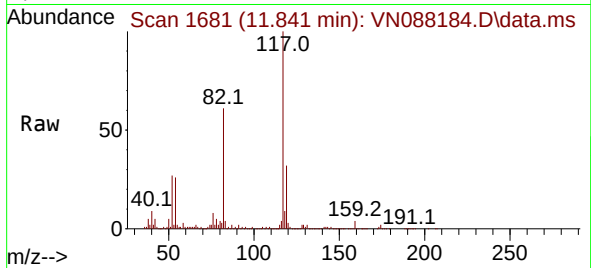




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN088184.D
Acq: 31 Oct 2025 13:39

Instrument :
MSVOA_N
ClientSampleId :
P001-TW2-251023-01

Tgt Ion:117 Resp: 597605
Ion Ratio Lower Upper
117 100
82 61.7 47.4 71.2
119 31.6 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: VN088184.D
Acq: 31 Oct 2025 13:39

Tgt Ion:152 Resp: 292293
Ion Ratio Lower Upper
152 100
115 65.1 32.3 96.8
150 157.7 0.0 351.0

