

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088451.D
 Acq On : 04 Dec 2025 17:09
 Operator : JC\MD
 Sample : Q3757-01 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14A-17.5-120325

Quant Time: Dec 05 00:18:28 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	203888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	466381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	458828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216202	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	210028	54.683	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.360%
35) Dibromofluoromethane	8.153	113	146713	45.394	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.780%
50) Toluene-d8	10.541	98	532452	44.277	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.560%
62) 4-Bromofluorobenzene	12.829	95	199907	48.448	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.900%

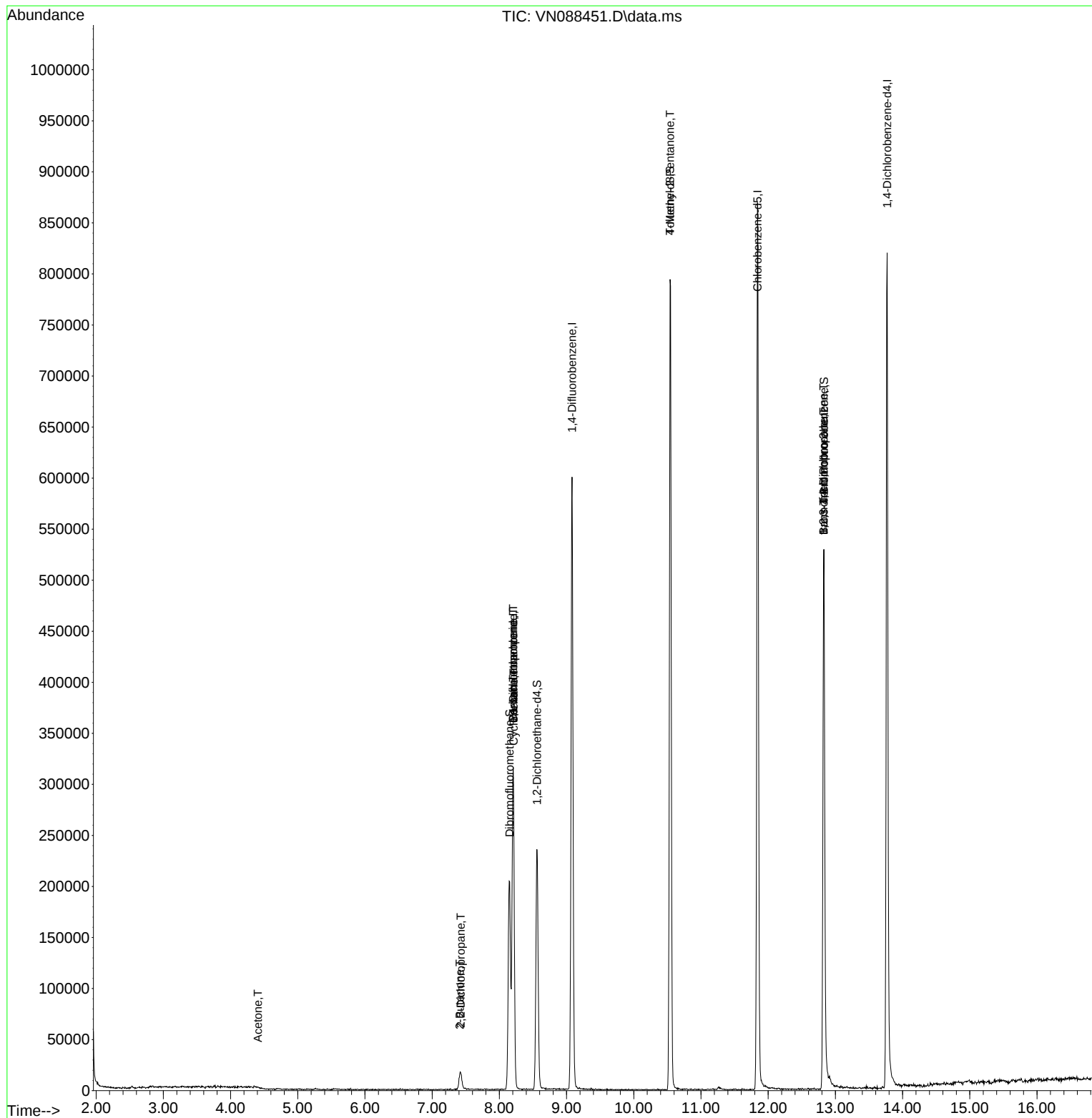
Target Compounds					Qvalue	
16) Acetone	4.406	43	665	0.479	ug/l #	48
25) 2-Butanone	7.412	43	1009	0.452	ug/l #	49
26) 2,2-Dichloropropane	7.424	77	1462	0.304	ug/l #	56
31) Cyclohexane	8.212	56	6732	1.333	ug/l #	29
36) 1,1-Dichloropropene	8.206	75	23095	4.630	ug/l #	51
38) Carbon Tetrachloride	8.206	117	24797	4.994	ug/l #	16
51) 4-Methyl-2-Pentanone	10.541	43	2643	0.447	ug/l #	1
71) Bromoform	12.823	173	1320	0.518	ug/l #	1
76) 1,2,3-Trichloropropane	12.823	75	118413	23.384	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	118413	66.339	ug/l #	1

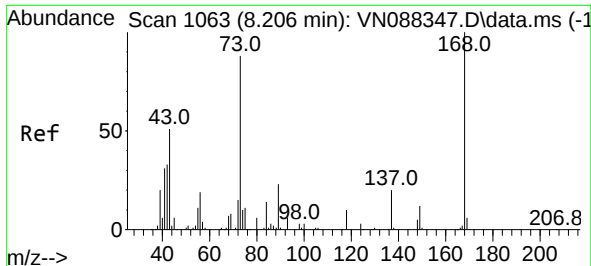
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
Data File : VN088451.D
Acq On : 04 Dec 2025 17:09
Operator : JC\MD
Sample : Q3757-01 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-14A-17.5-120325

Quant Time: Dec 05 00:18:28 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

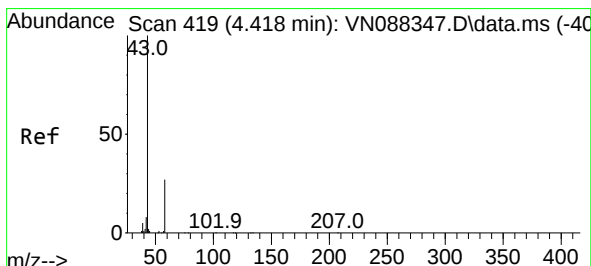
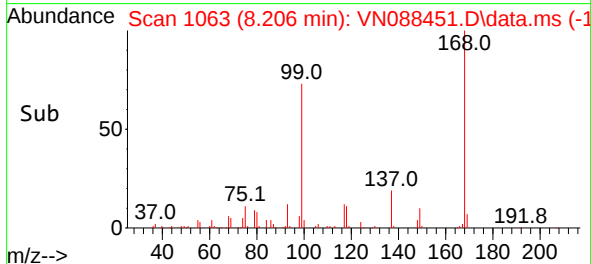
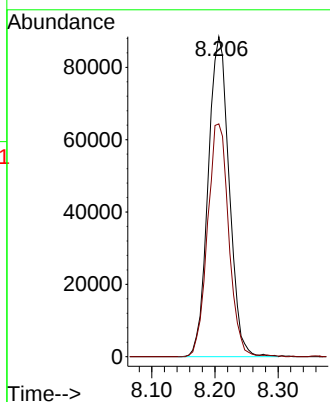
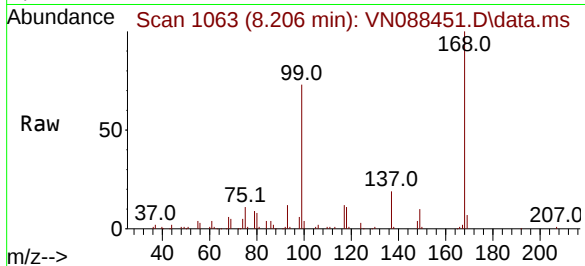




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

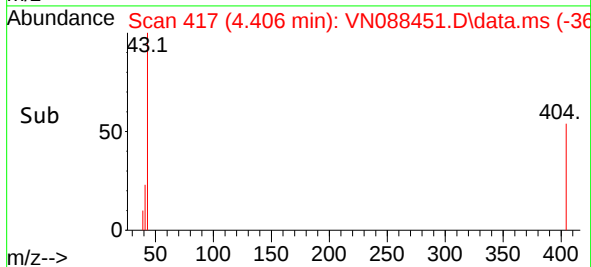
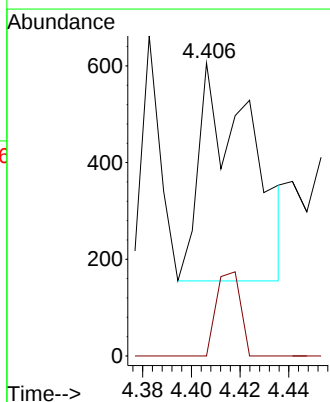
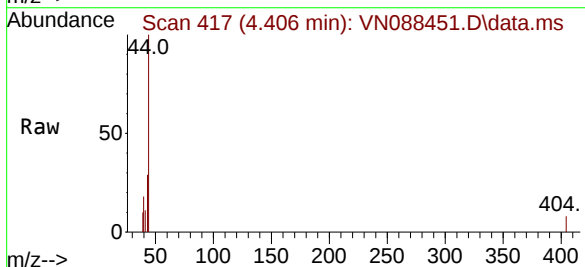
Instrument :
MSVOA_N
ClientSampleId :
MW-14A-17.5-120325

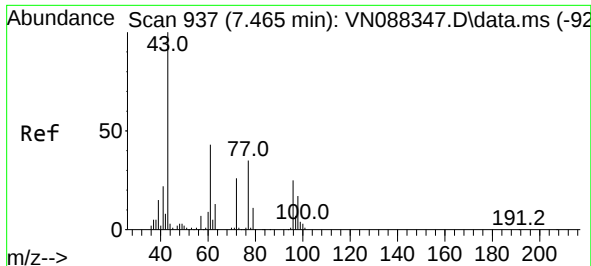
Tgt Ion:168 Resp: 203888
Ion Ratio Lower Upper
168 100
99 72.7 57.1 85.7



#16
Acetone
Concen: 0.479 ug/l
RT: 4.406 min Scan# 417
Delta R.T. -0.012 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#

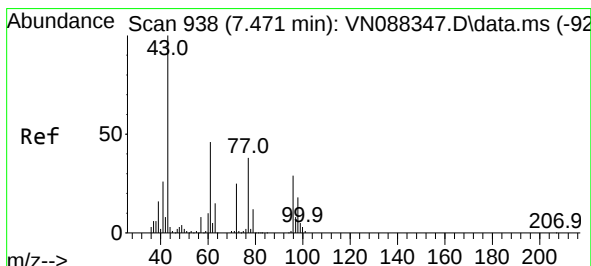
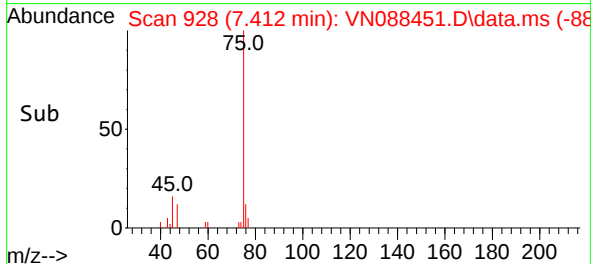
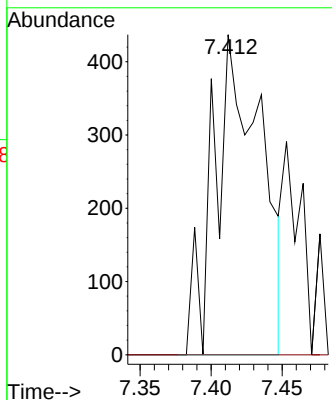
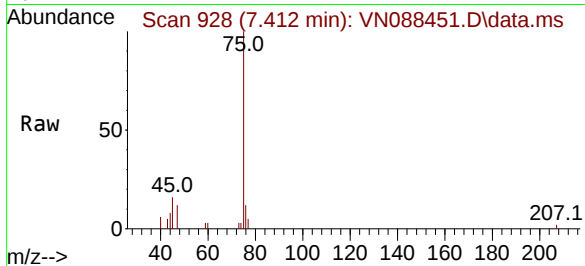




#25
2-Butanone
Concen: 0.452 ug/l
RT: 7.412 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

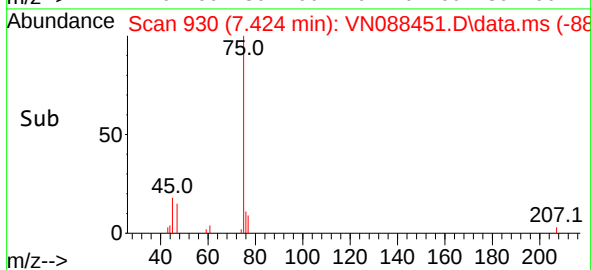
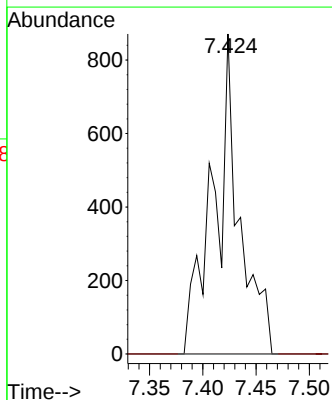
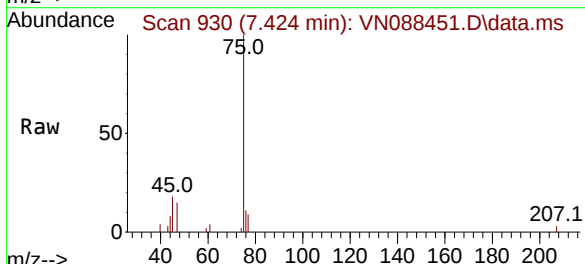
Instrument :
MSVOA_N
ClientSampleId :
MW-14A-17.5-120325

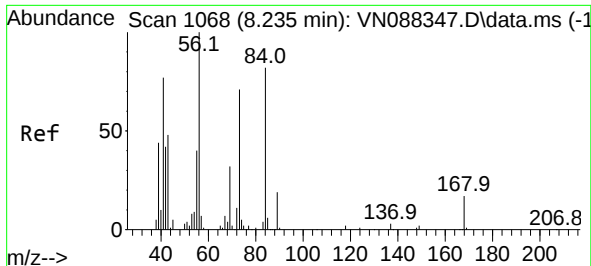
Tgt Ion: 43 Resp: 1009
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 0.304 ug/l
RT: 7.424 min Scan# 930
Delta R.T. -0.047 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

Tgt Ion: 77 Resp: 1462
Ion Ratio Lower Upper
77 100
97 0.0 10.3 30.9#

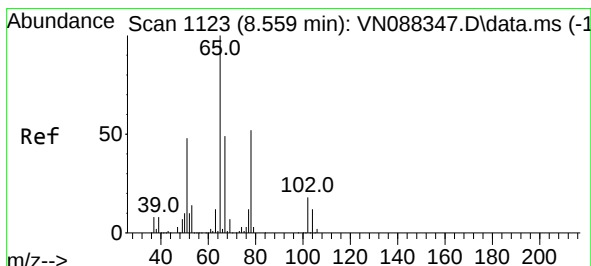
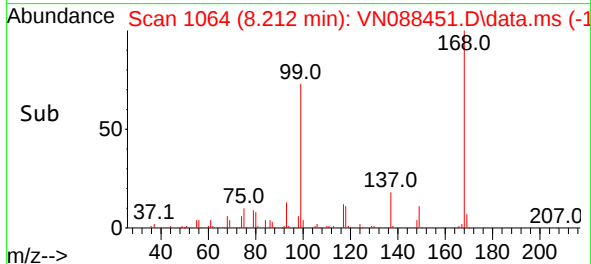
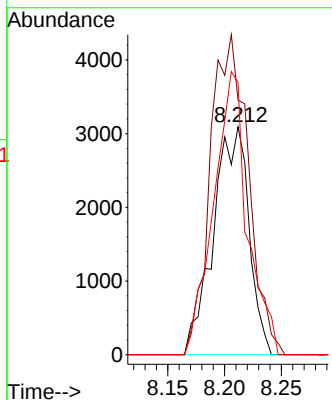
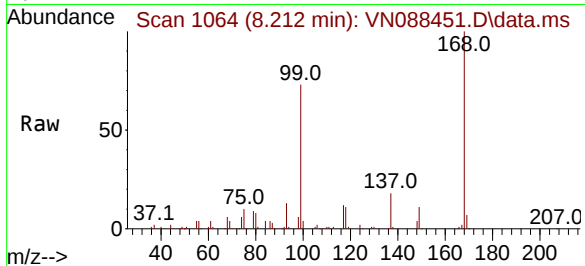




#31
Cyclohexane
Concen: 1.333 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

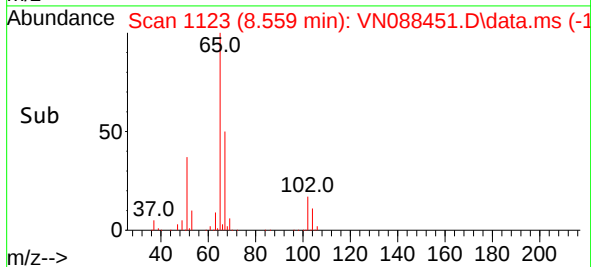
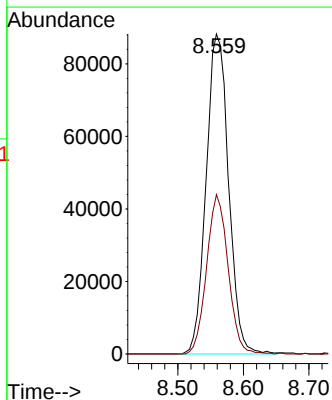
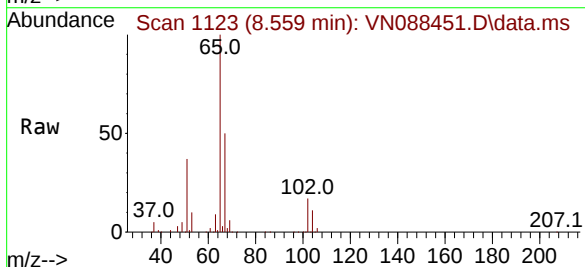
Instrument :
MSVOA_N
ClientSampleId :
MW-14A-17.5-120325

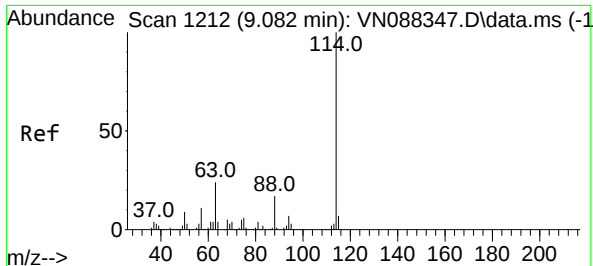
Tgt Ion: 56 Resp: 6732
Ion Ratio Lower Upper
56 100
69 111.7 25.3 37.9#
84 119.4 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 54.683 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

Tgt Ion: 65 Resp: 210028
Ion Ratio Lower Upper
65 100
67 47.7 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088451.D

Acq: 04 Dec 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-14A-17.5-120325

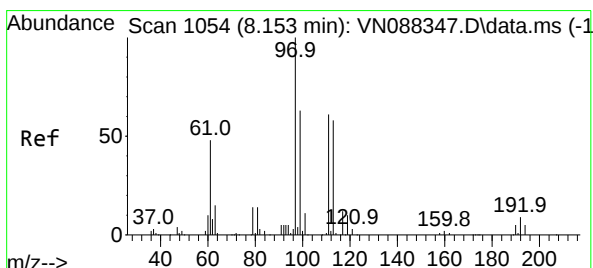
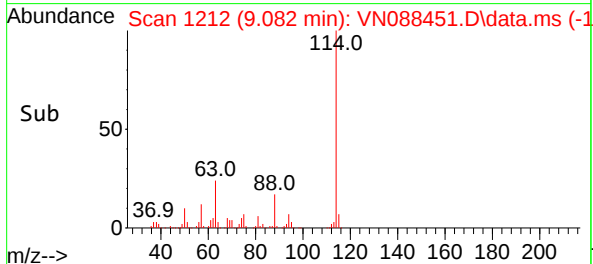
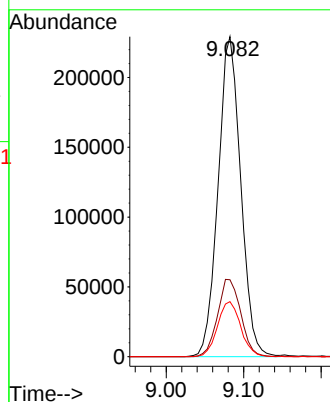
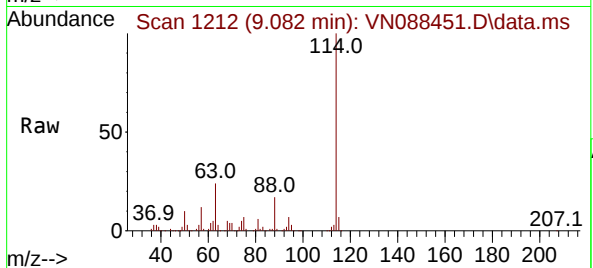
Tgt Ion:114 Resp: 466381

Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.0

88 17.2 0.0 34.0



#35

Dibromofluoromethane

Concen: 45.394 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088451.D

Acq: 04 Dec 2025 17:09

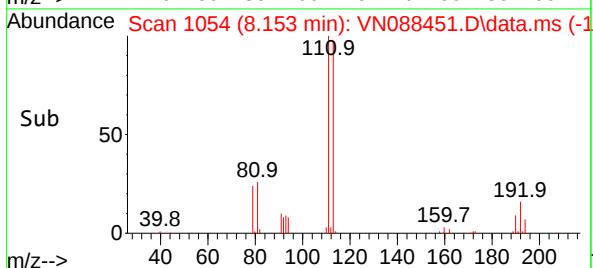
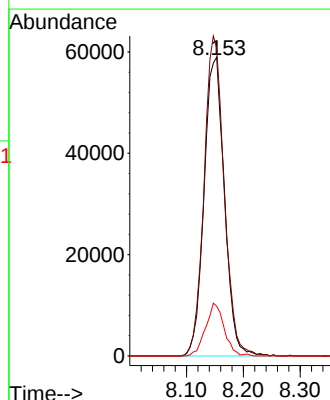
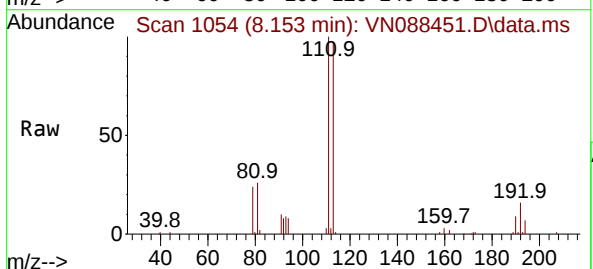
Tgt Ion:113 Resp: 146713

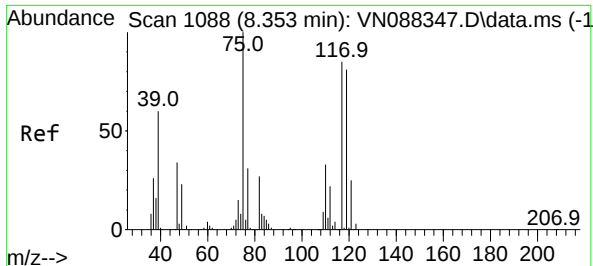
Ion Ratio Lower Upper

113 100

111 105.1 82.5 123.7

192 16.1 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.630 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088451.D

Acq: 04 Dec 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-14A-17.5-120325

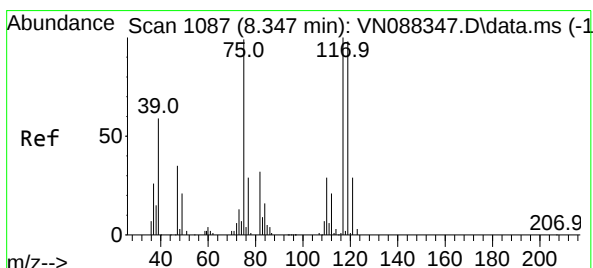
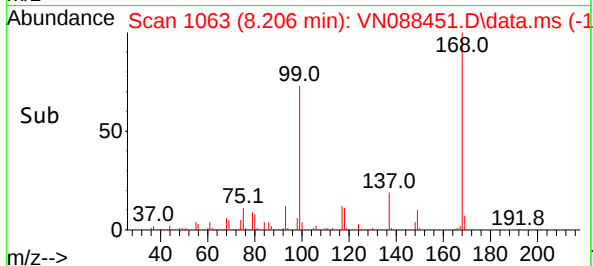
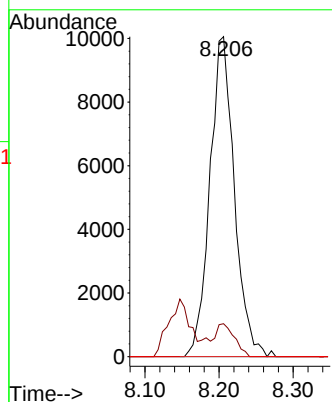
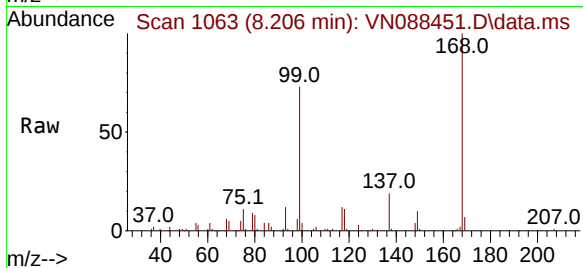
Tgt Ion: 75 Resp: 23095

Ion Ratio Lower Upper

75 100

110 7.9 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.994 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088451.D

Acq: 04 Dec 2025 17:09

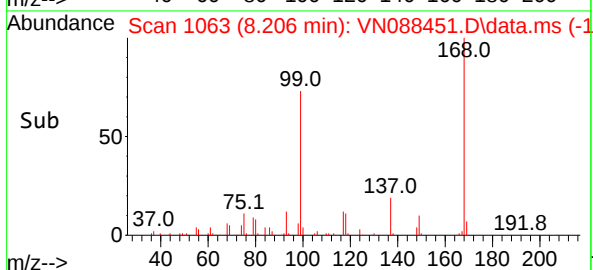
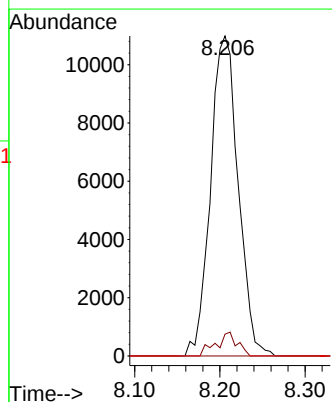
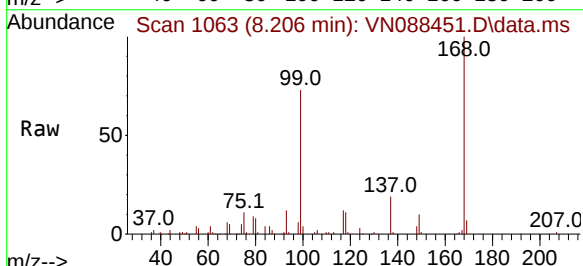
Tgt Ion: 117 Resp: 24797

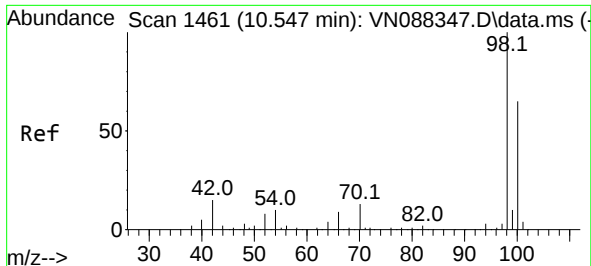
Ion Ratio Lower Upper

117 100

119 6.8 78.2 117.4#

121 0.0 23.4 35.2#

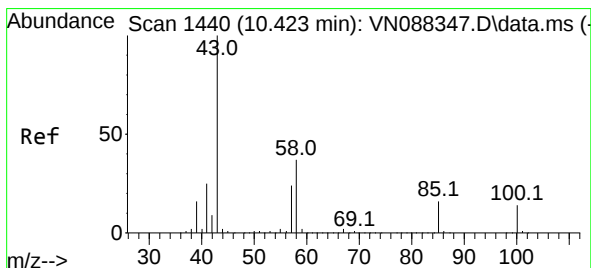
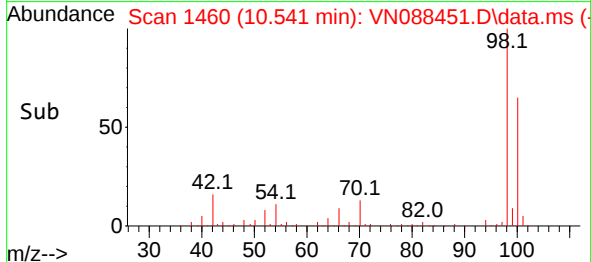
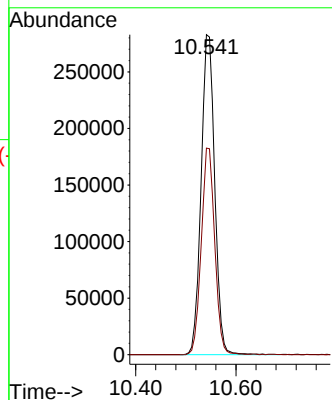
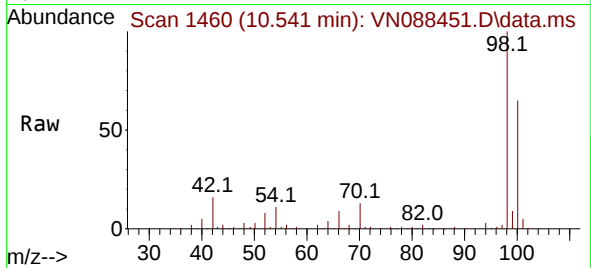




#50
Toluene-d8
Concen: 44.277 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

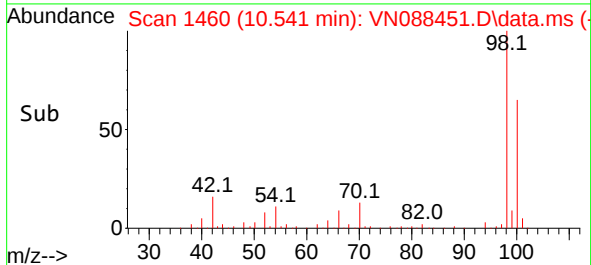
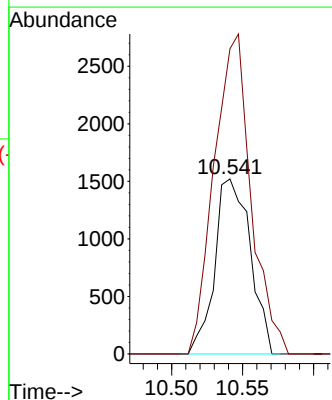
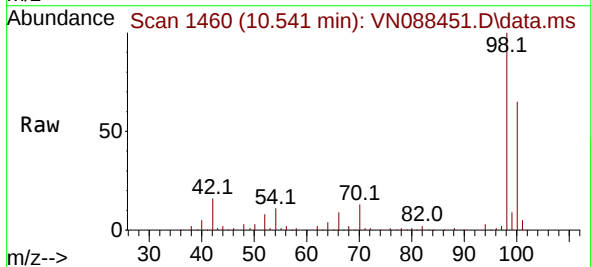
Instrument :
MSVOA_N
ClientSampleId :
MW-14A-17.5-120325

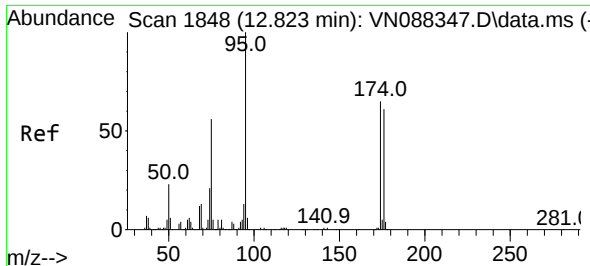
Tgt Ion: 98 Resp: 532452
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.447 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. 0.118 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

Tgt Ion: 43 Resp: 2643
Ion Ratio Lower Upper
43 100
58 189.8 29.1 43.7#

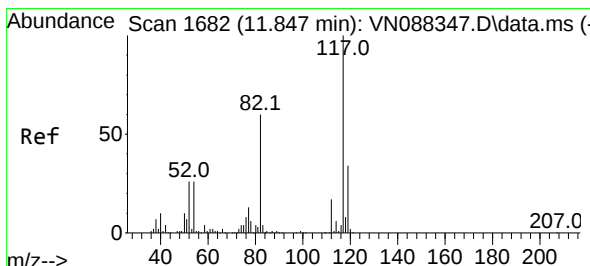
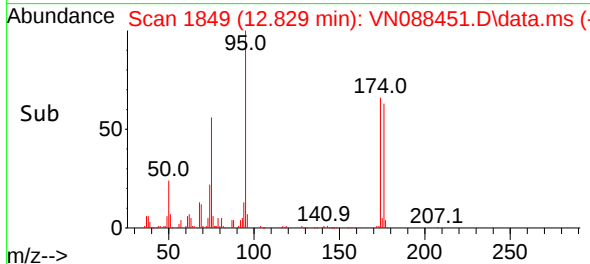
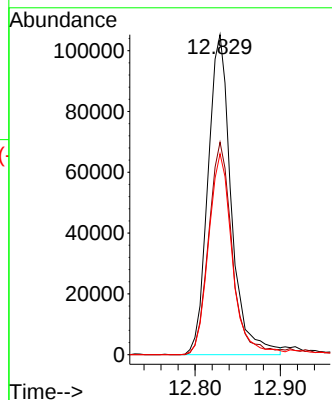
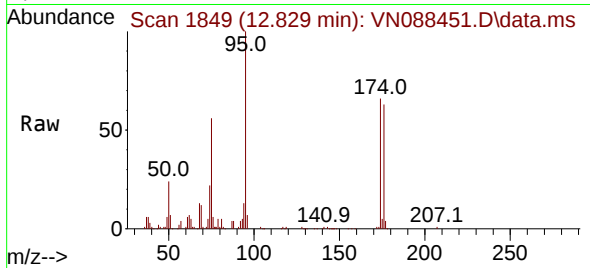




#62
4-Bromofluorobenzene
Concen: 48.448 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

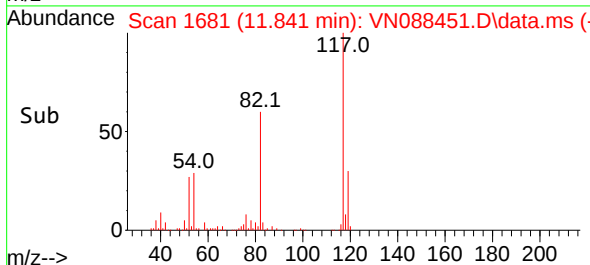
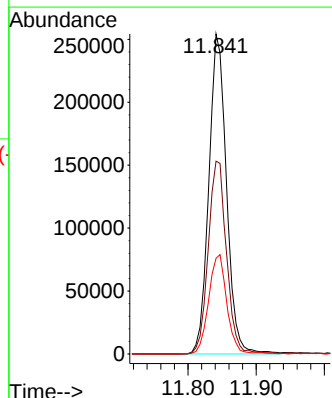
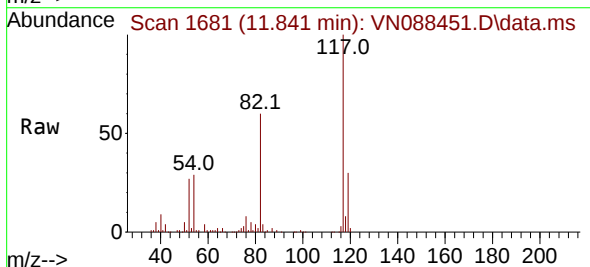
Instrument :
MSVOA_N
ClientSampleId :
MW-14A-17.5-120325

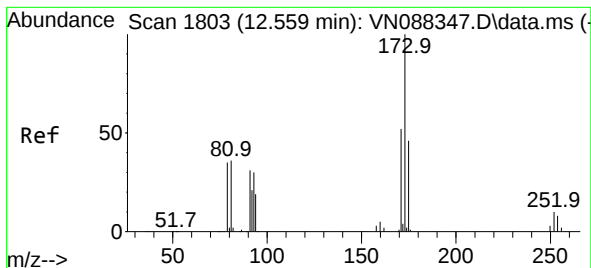
Tgt Ion: 95 Resp: 199907
Ion Ratio Lower Upper
95 100
174 68.2 0.0 139.0
176 64.0 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088451.D
Acq: 04 Dec 2025 17:09

Tgt Ion: 117 Resp: 458828
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 29.9 26.9 40.3





#71

Bromoform

Concen: 0.518 ug/l

RT: 12.823 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN088451.D

Acq: 04 Dec 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-14A-17.5-120325

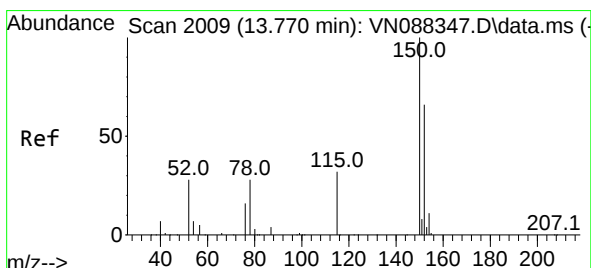
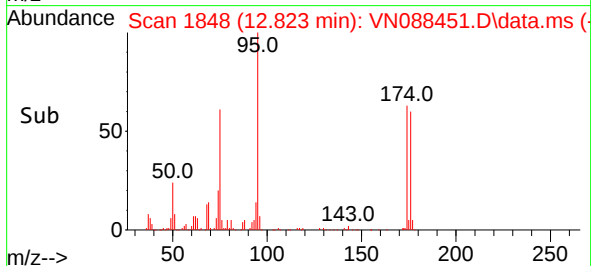
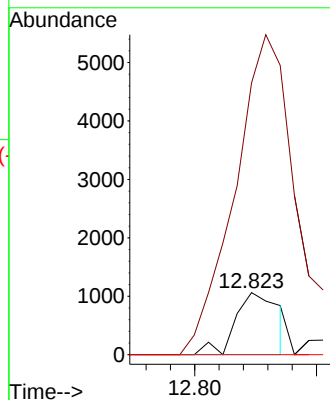
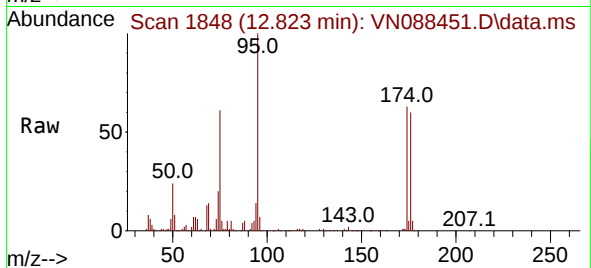
Tgt Ion:173 Resp: 1320

Ion Ratio Lower Upper

173 100

175 569.1 23.9 71.8#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. -0.000 min

Lab File: VN088451.D

Acq: 04 Dec 2025 17:09

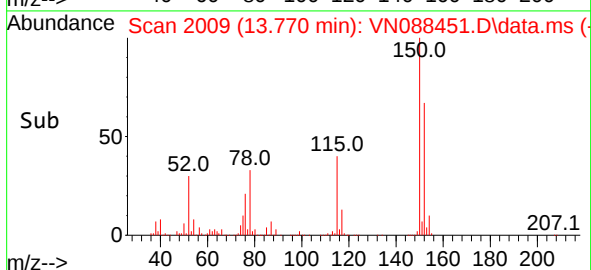
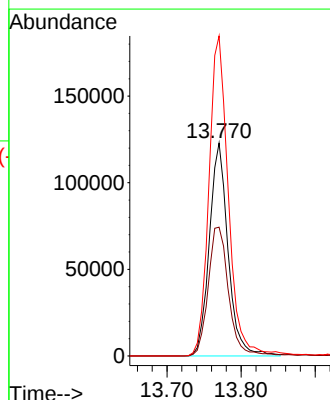
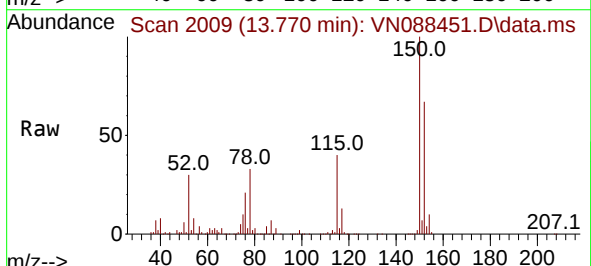
Tgt Ion:152 Resp: 216202

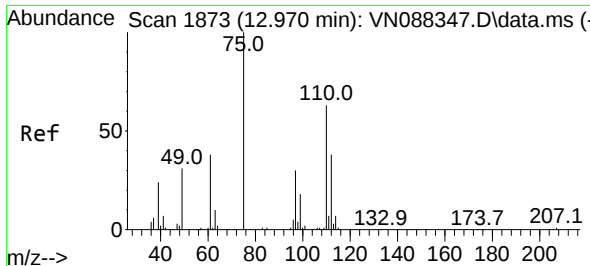
Ion Ratio Lower Upper

152 100

115 66.1 33.0 98.9

150 156.2 0.0 349.0

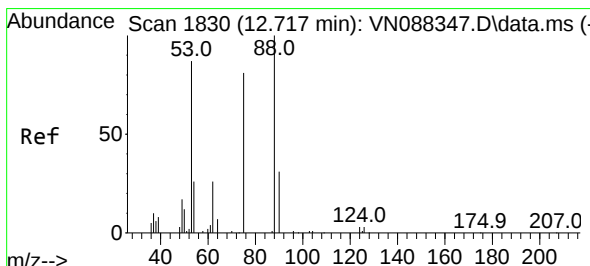
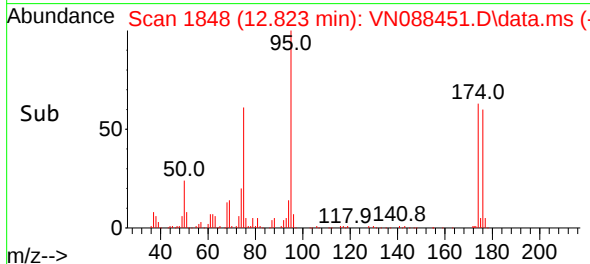
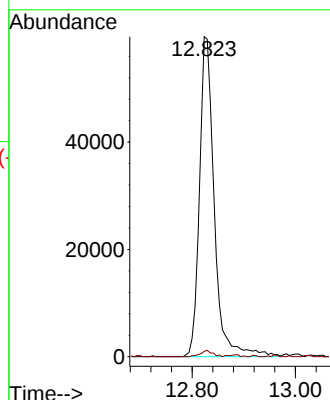
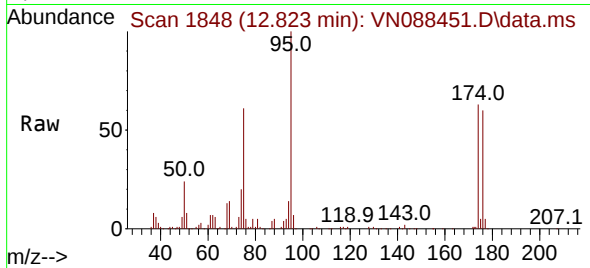




#76
 1,2,3-Trichloropropane
 Concen: 23.384 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN088451.D
 Acq: 04 Dec 2025 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14A-17.5-120325

Tgt Ion: 75 Resp: 118413
 Ion Ratio Lower Upper
 75 100
 77 1.6 87.2 261.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.339 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. 0.106 min
 Lab File: VN088451.D
 Acq: 04 Dec 2025 17:09

Tgt Ion: 75 Resp: 118413
 Ion Ratio Lower Upper
 75 100
 53 0.2 92.2 138.4#
 89 0.1 0.0 0.0#

