

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088453.D
 Acq On : 04 Dec 2025 17:50
 Operator : JC\MD
 Sample : Q3757-05 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14B-46-120325

Quant Time: Dec 05 00:19:09 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

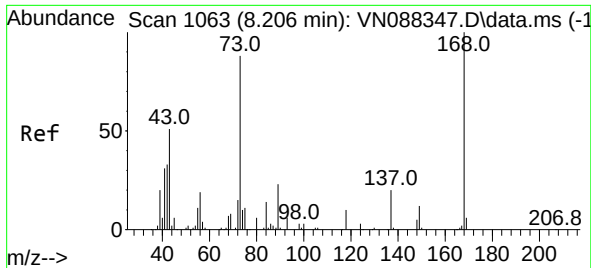
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	203620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	472882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	450898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	213888	55.761	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	111.520%	
35) Dibromofluoromethane	8.147	113	154039	47.005	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.020%	
50) Toluene-d8	10.541	98	542411	44.485	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	88.960%	
62) 4-Bromofluorobenzene	12.829	95	208527	49.843	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	99.680%	
Target Compounds						
					Qvalue	
16) Acetone	4.412	43	583	0.420	ug/l #	48
31) Cyclohexane	8.206	56	6568	1.302	ug/l #	31
36) 1,1-Dichloropropene	8.206	75	22140	4.378	ug/l #	50
38) Carbon Tetrachloride	8.206	117	25364	5.038	ug/l #	16
51) 4-Methyl-2-Pentanone	10.541	43	3038	0.507	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	119145	23.596	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	119145	66.940	ug/l #	1

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

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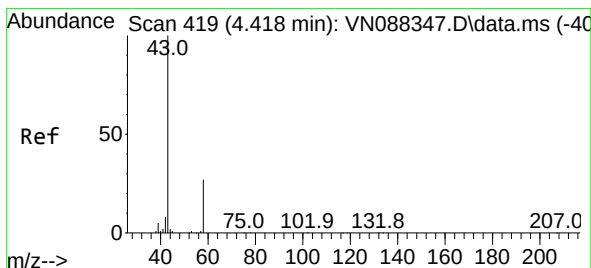
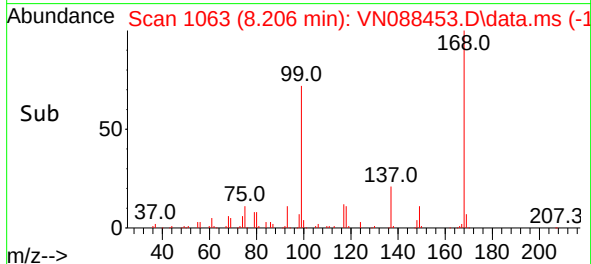
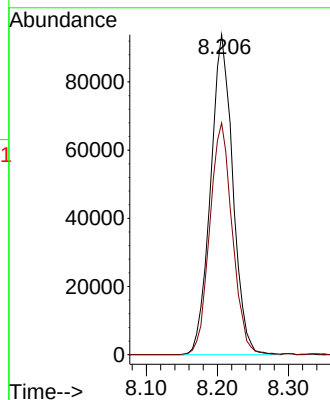
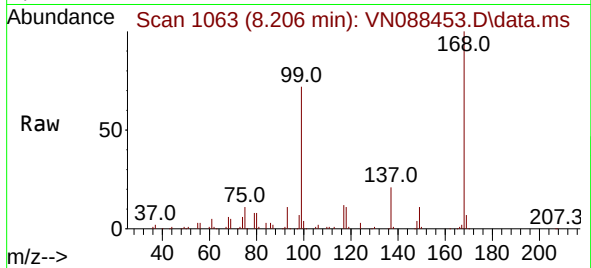




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

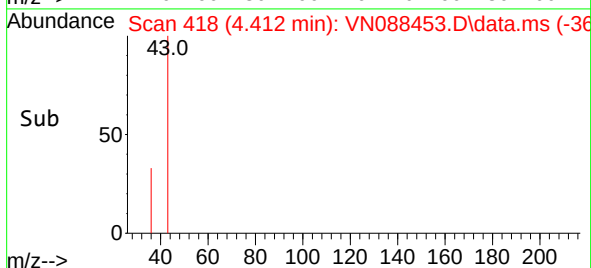
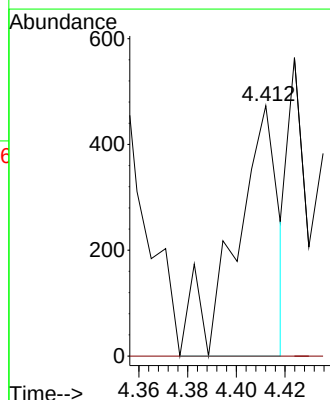
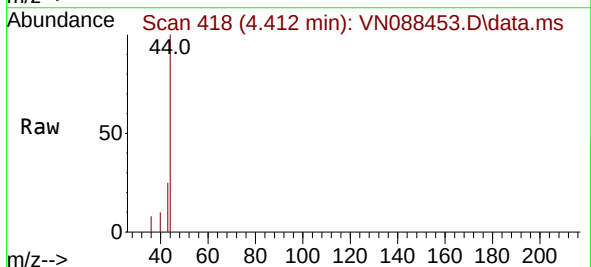
Instrument :
MSVOA_N
ClientSampleId :
MW-14B-46-120325

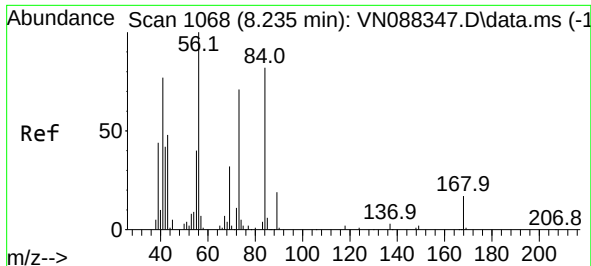
Tgt Ion:168 Resp: 203620
Ion Ratio Lower Upper
168 100
99 72.4 57.1 85.7



#16
Acetone
Concen: 0.420 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#

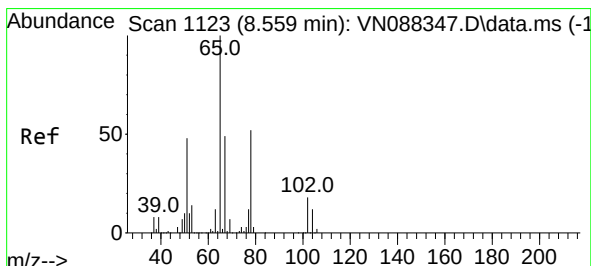
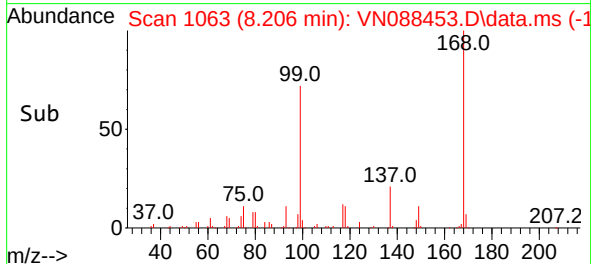
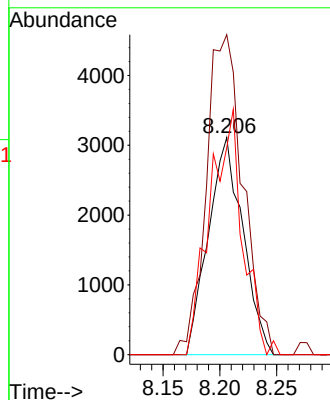
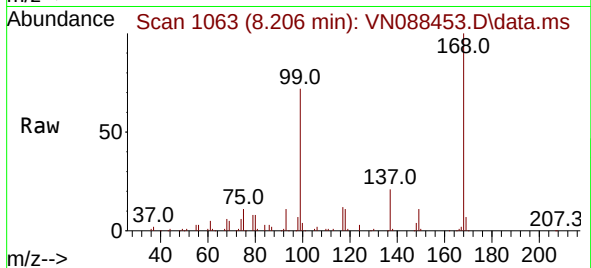




#31
Cyclohexane
Concen: 1.302 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

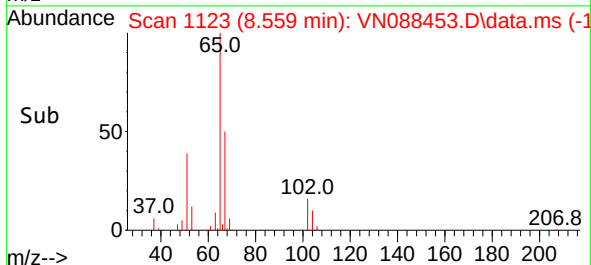
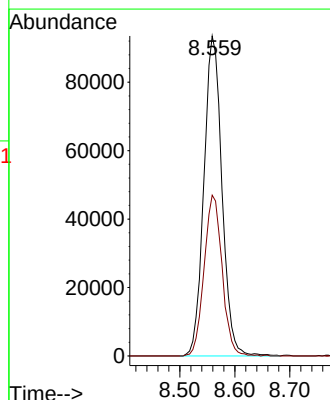
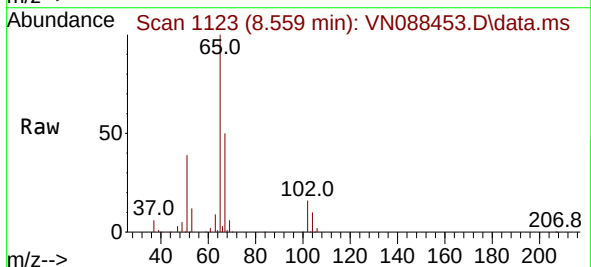
Instrument :
MSVOA_N
ClientSampleId :
MW-14B-46-120325

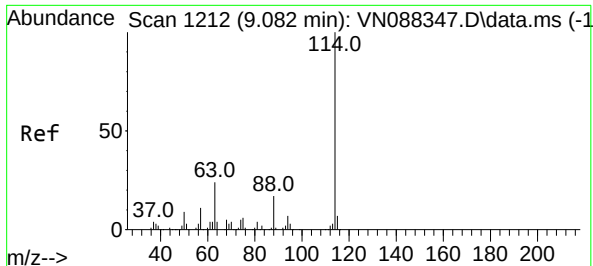
Tgt Ion: 56 Resp: 6568
Ion Ratio Lower Upper
56 100
69 147.4 25.3 37.9#
84 95.3 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 55.761 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

Tgt Ion: 65 Resp: 213888
Ion Ratio Lower Upper
65 100
67 49.9 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: VN088453.D

Acq: 04 Dec 2025 17:50

Instrument :

MSVOA_N

ClientSampleId :

MW-14B-46-120325

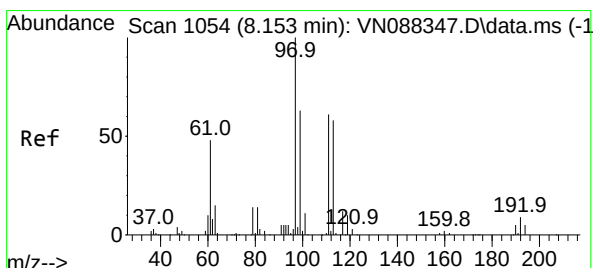
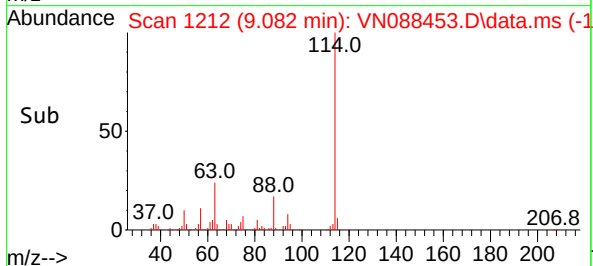
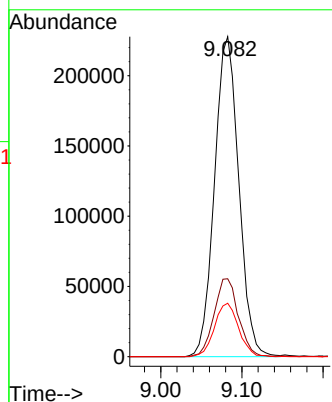
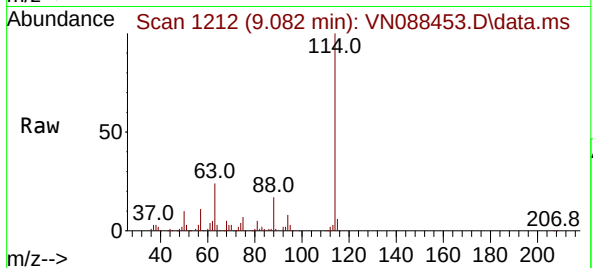
Tgt Ion:114 Resp: 472882

Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.0

88 16.7 0.0 34.0



#35

Dibromofluoromethane

Concen: 47.005 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088453.D

Acq: 04 Dec 2025 17:50

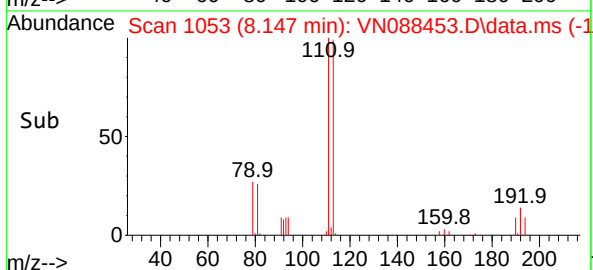
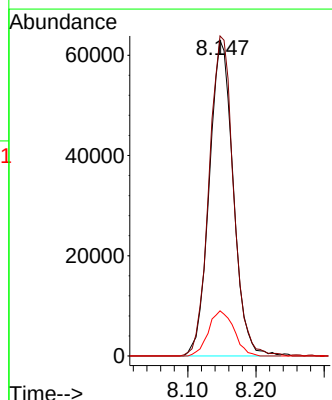
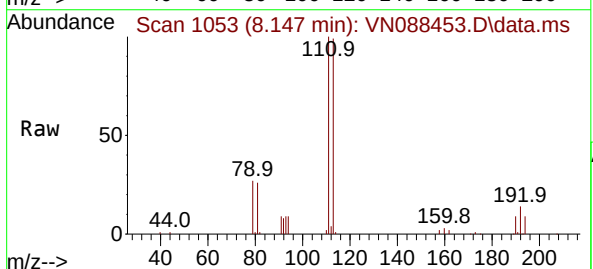
Tgt Ion:113 Resp: 154039

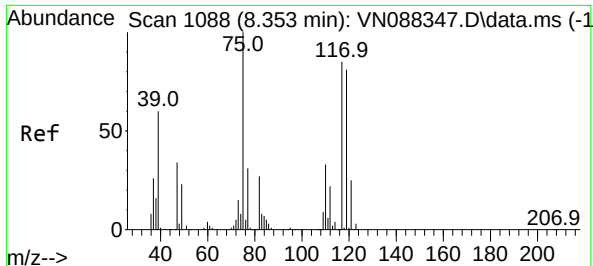
Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 15.2 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.378 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088453.D

Acq: 04 Dec 2025 17:50

Instrument :

MSVOA_N

ClientSampleId :

MW-14B-46-120325

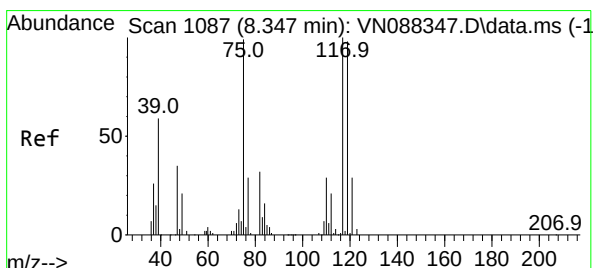
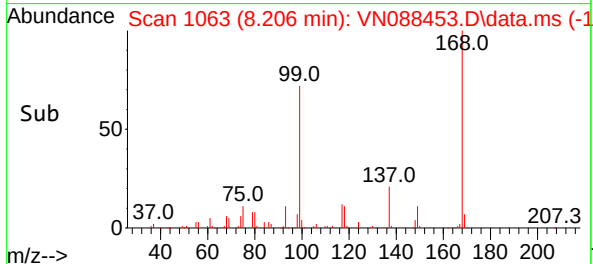
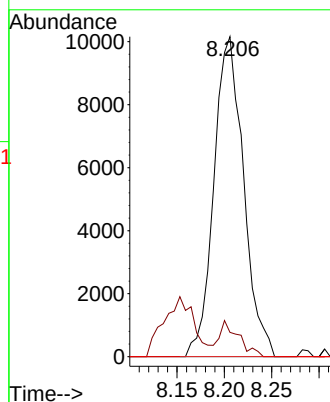
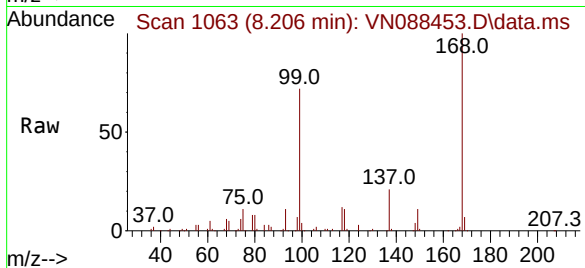
Tgt Ion: 75 Resp: 22140

Ion Ratio Lower Upper

75 100

110 7.2 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.038 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088453.D

Acq: 04 Dec 2025 17:50

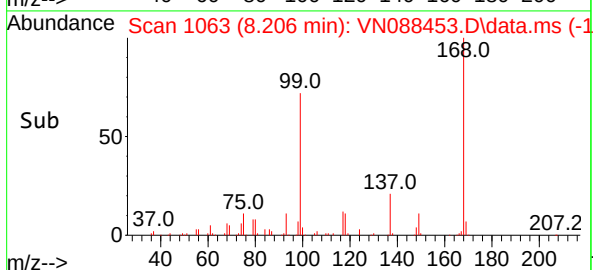
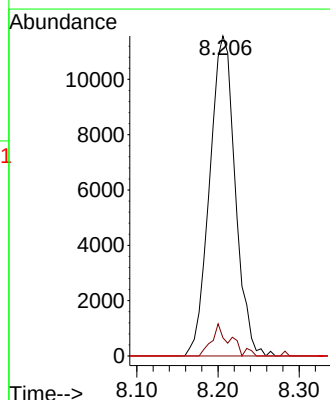
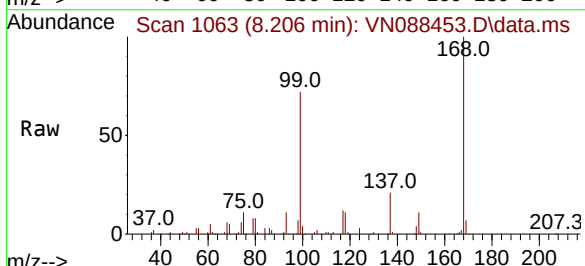
Tgt Ion: 117 Resp: 25364

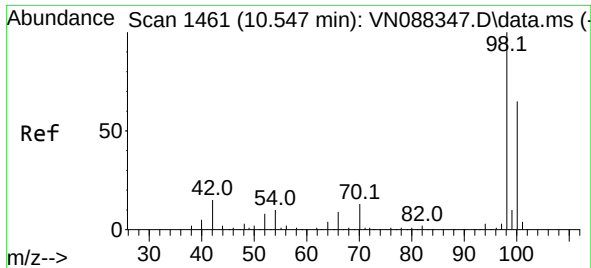
Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.4#

121 0.0 23.4 35.2#

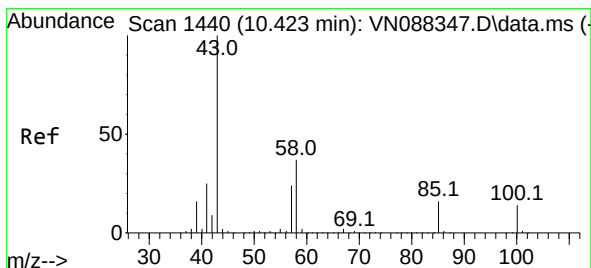
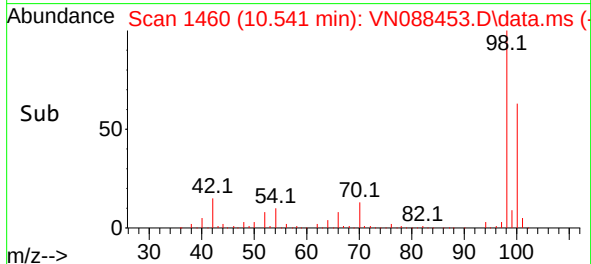
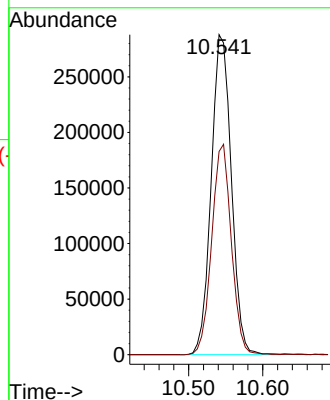
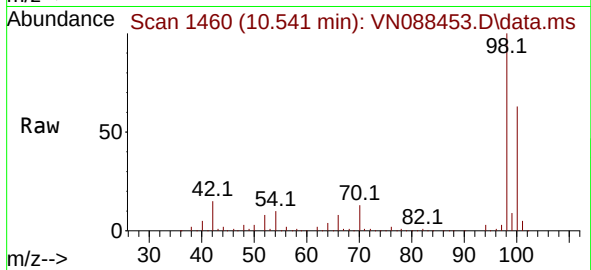




#50
Toluene-d8
Concen: 44.485 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

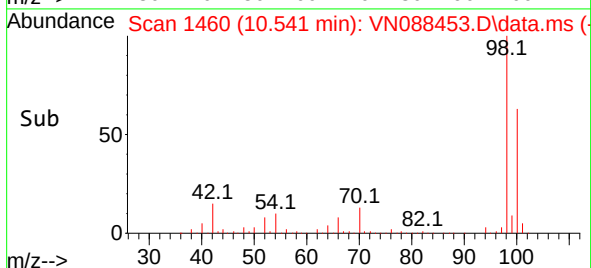
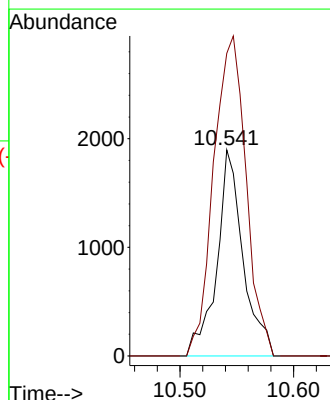
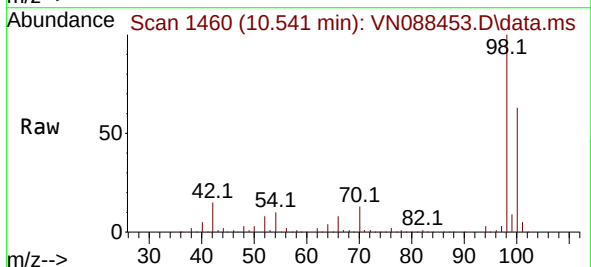
Instrument :
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MW-14B-46-120325

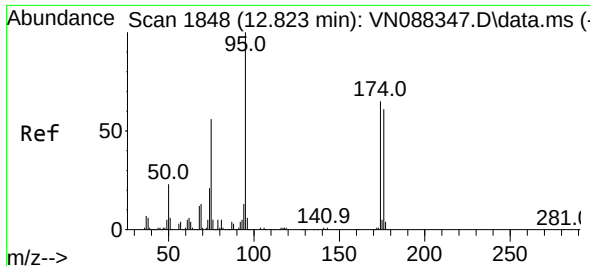
Tgt Ion: 98 Resp: 542411
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.507 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. 0.118 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

Tgt Ion: 43 Resp: 3038
Ion Ratio Lower Upper
43 100
58 191.8 29.1 43.7#

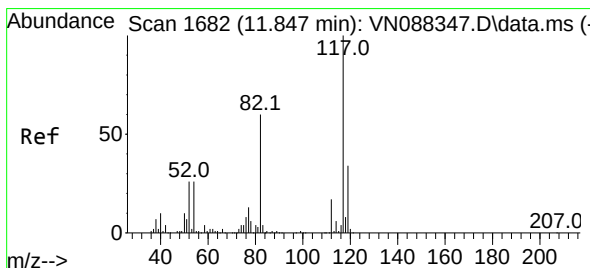
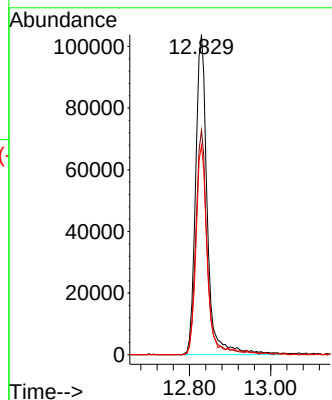
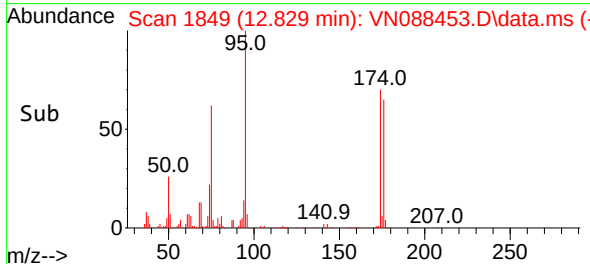
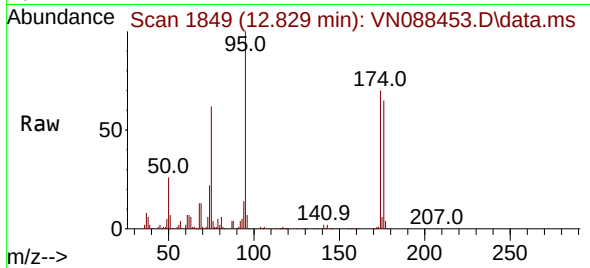




#62
4-Bromofluorobenzene
Concen: 49.843 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

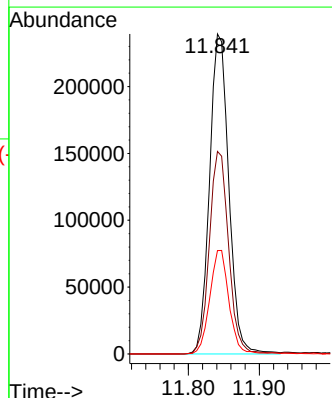
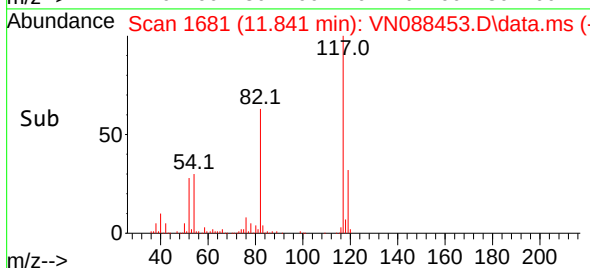
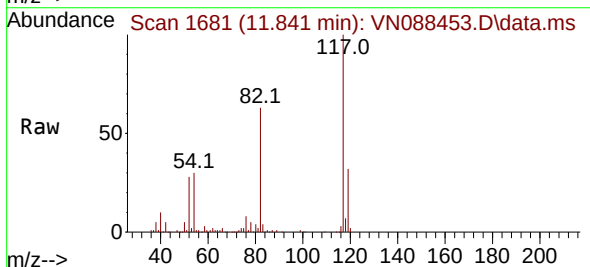
Instrument :
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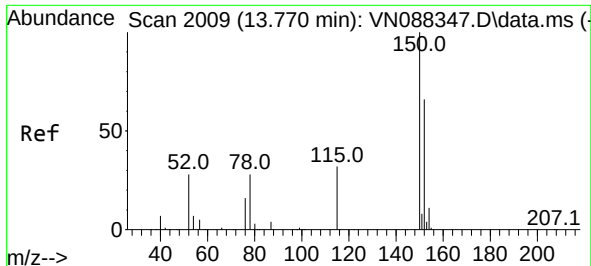
Tgt Ion: 95 Resp: 208527
Ion Ratio Lower Upper
95 100
174 67.1 0.0 139.0
176 63.3 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

Tgt Ion: 117 Resp: 450898
Ion Ratio Lower Upper
117 100
82 63.3 47.8 71.8
119 32.3 26.9 40.3

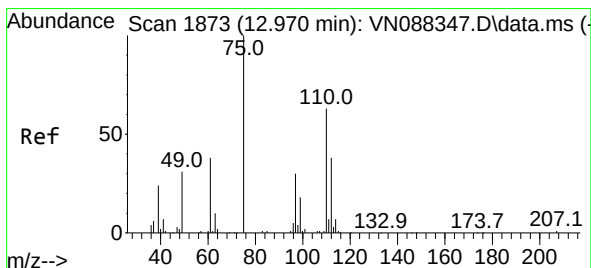
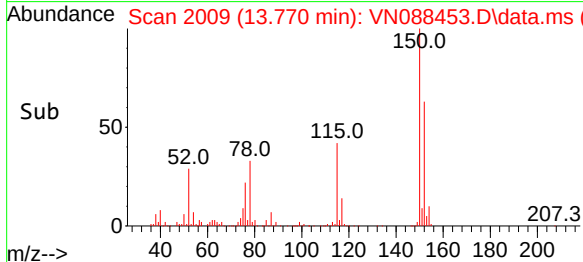
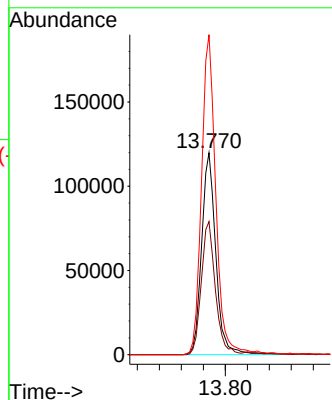
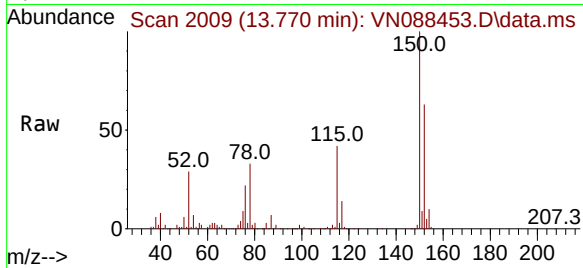




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088453.D
 Acq: 04 Dec 2025 17:50

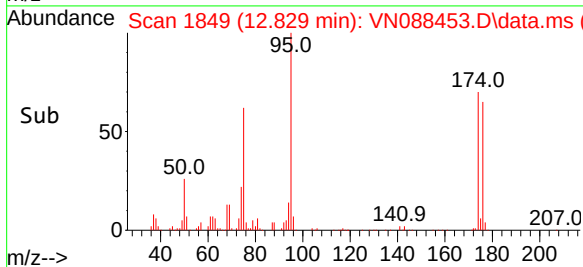
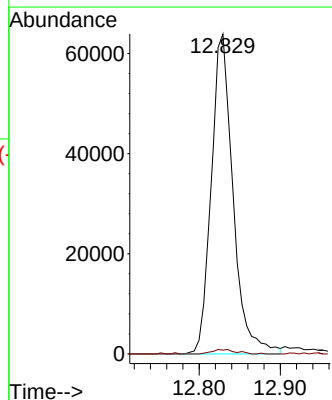
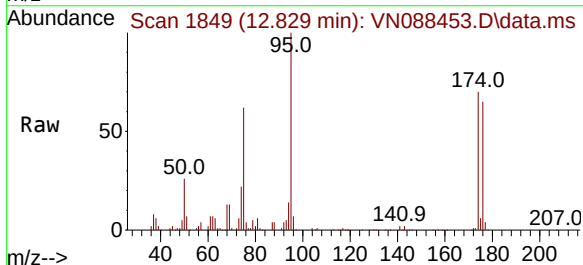
Instrument :
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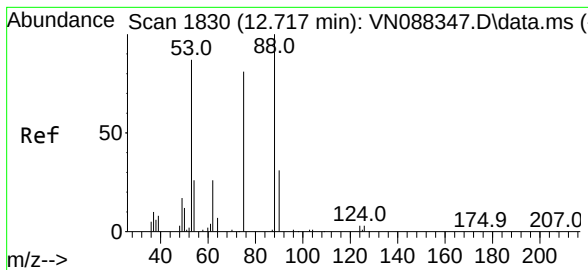
Tgt Ion:152 Resp: 215587
 Ion Ratio Lower Upper
 152 100
 115 65.0 33.0 98.9
 150 159.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.596 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088453.D
 Acq: 04 Dec 2025 17:50

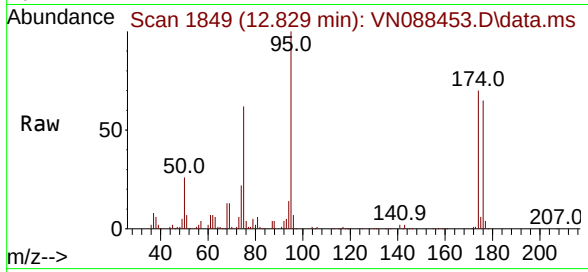
Tgt Ion: 75 Resp: 119145
 Ion Ratio Lower Upper
 75 100
 77 1.5 87.2 261.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.940 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN088453.D
Acq: 04 Dec 2025 17:50

Instrument :
MSVOA_N
ClientSampleId :
MW-14B-46-120325



Tgt Ion: 75 Resp: 119145
Ion Ratio Lower Upper
75 100
53 0.1 92.2 138.4#
89 0.1 0.0 0.0#

