

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088426.D
 Acq On : 03 Dec 2025 14:13
 Operator : JC\MD
 Sample : Q3756-05 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04-12-120225

Quant Time: Dec 04 00:18:54 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)

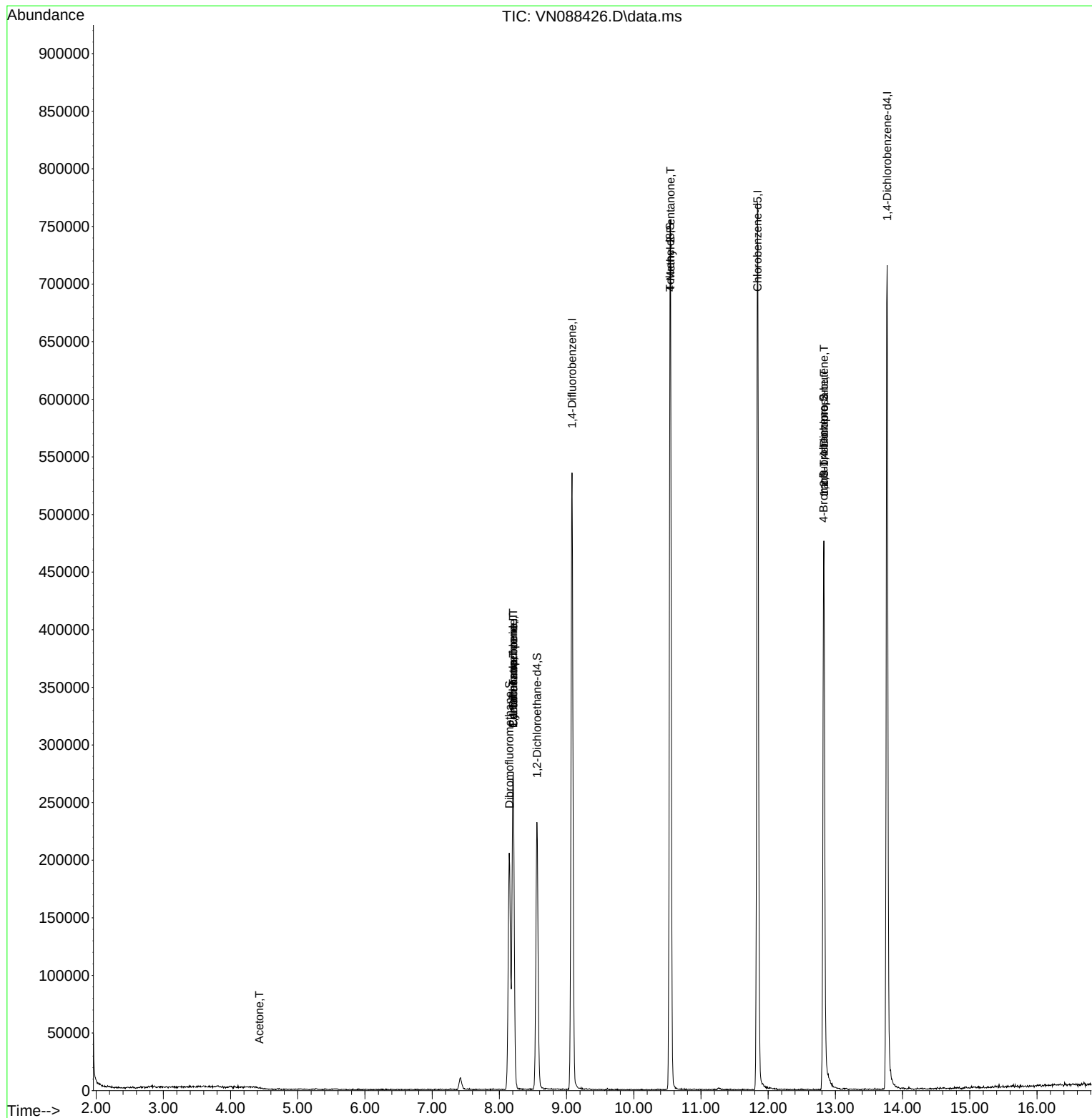
Internal Standards						
1) Pentafluorobenzene	8.206	168	180593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	420062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	409897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	190705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	197019	57.913	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 115.820%		
35) Dibromofluoromethane	8.147	113	146440	50.306	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.620%		
50) Toluene-d8	10.541	98	497377	45.921	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 91.840%		
62) 4-Bromofluorobenzene	12.823	95	171799	46.227	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 92.460%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	834	0.678	ug/l #	48
31) Cyclohexane	8.206	56	5475	1.224	ug/l #	21
36) 1,1-Dichloropropene	8.206	75	19620	4.367	ug/l #	52
38) Carbon Tetrachloride	8.206	117	22577	5.048	ug/l #	18
51) 4-Methyl-2-Pentanone	10.547	43	2941	0.553	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	105472	23.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	105472	66.989	ug/l #	1

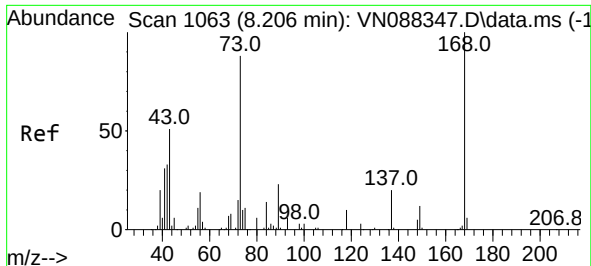
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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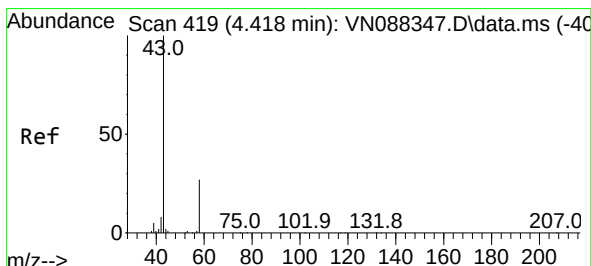
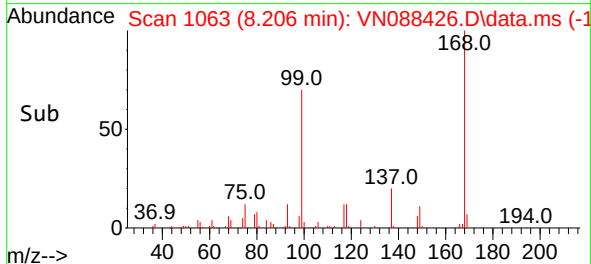
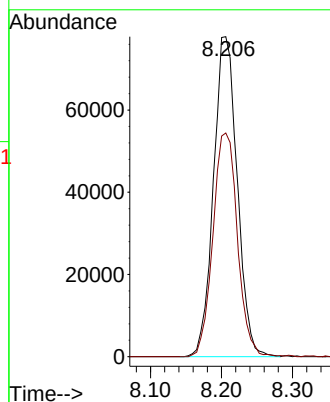
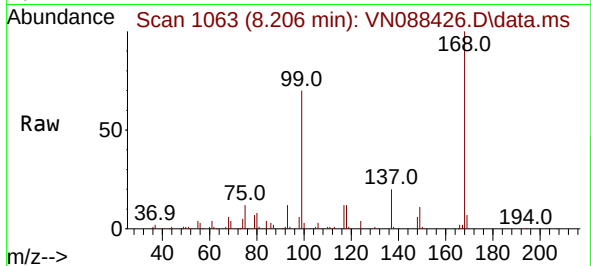




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

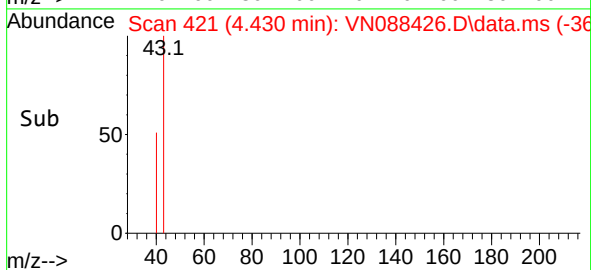
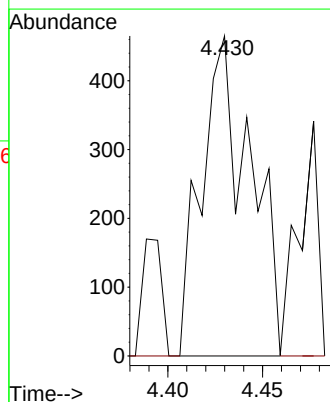
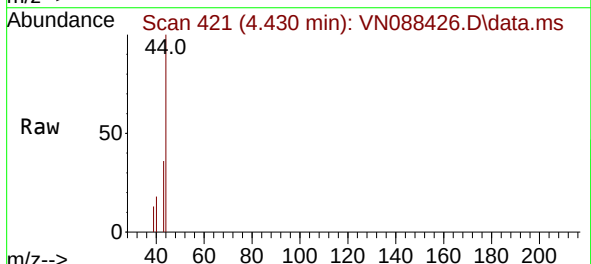
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

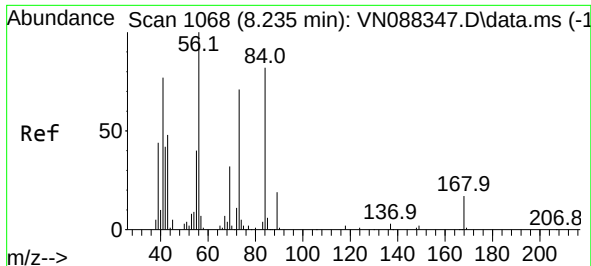
Tgt Ion:168 Resp: 180593
Ion Ratio Lower Upper
168 100
99 69.9 57.1 85.7



#16
Acetone
Concen: 0.678 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#

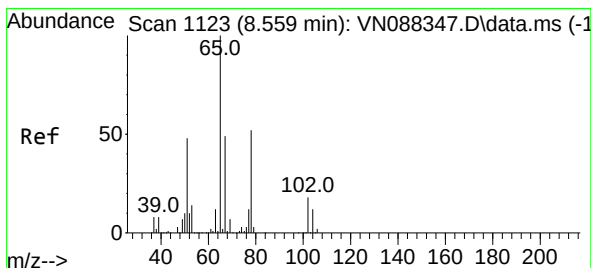
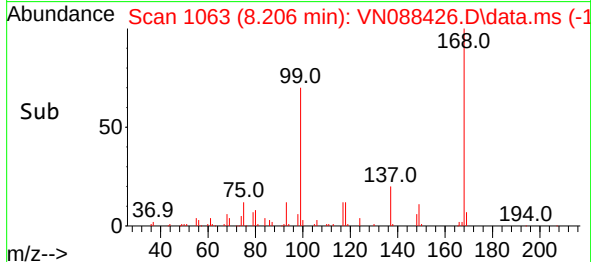
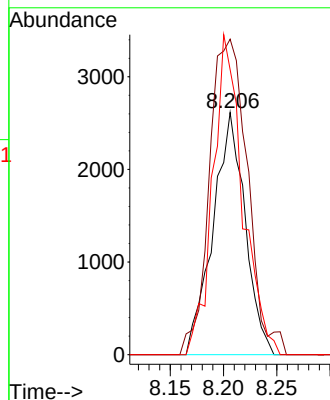
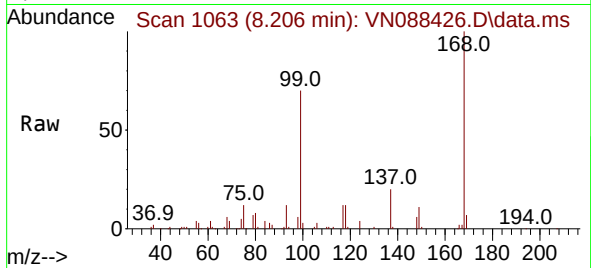




#31
Cyclohexane
Concen: 1.224 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

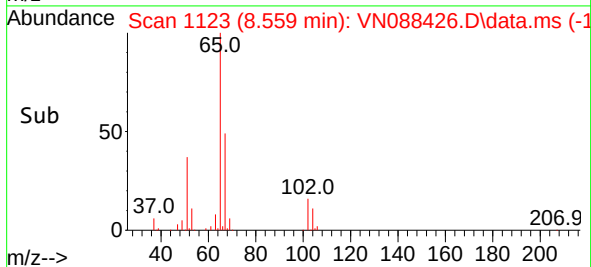
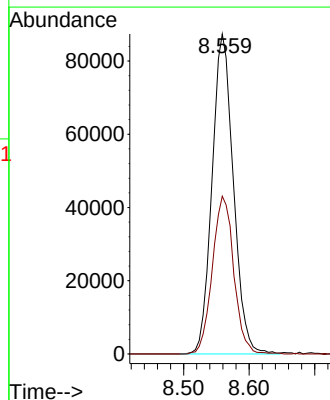
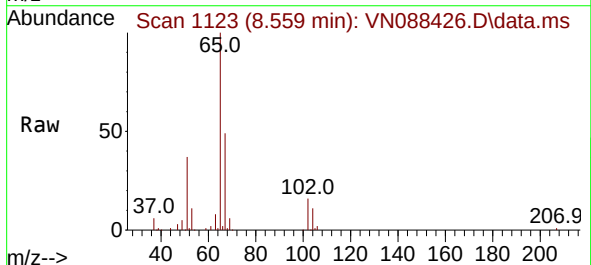
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

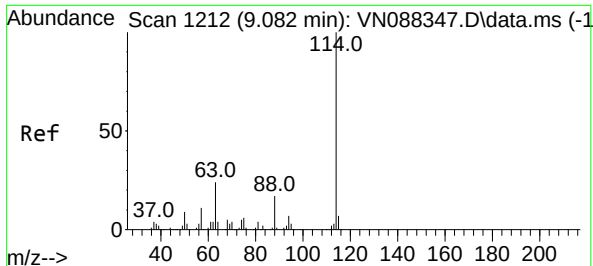
Tgt Ion: 56 Resp: 5475
Ion Ratio Lower Upper
56 100
69 130.2 25.3 37.9#
84 117.7 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 57.913 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

Tgt Ion: 65 Resp: 197019
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088426.D

Acq: 03 Dec 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

MW-04-12-120225

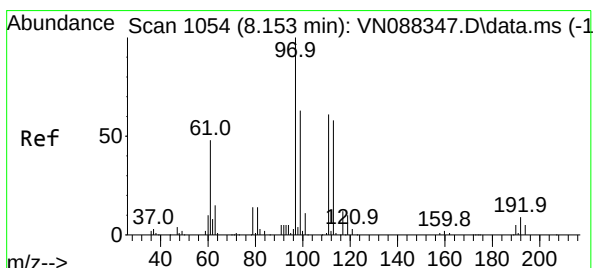
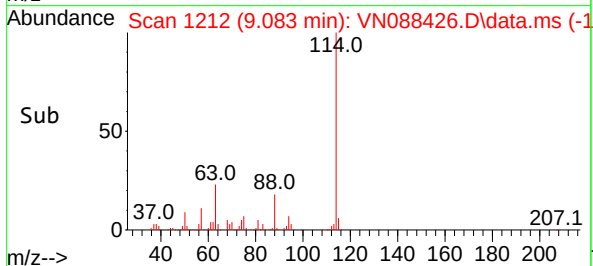
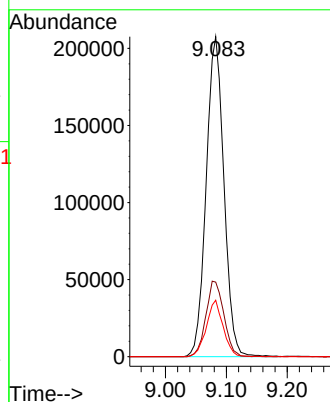
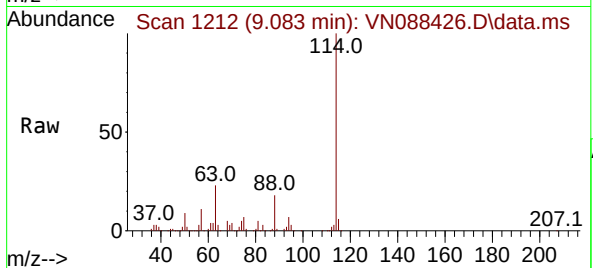
Tgt Ion:114 Resp: 420062

Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.0

88 17.6 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.306 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088426.D

Acq: 03 Dec 2025 14:13

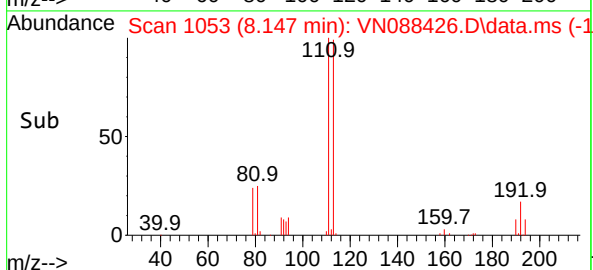
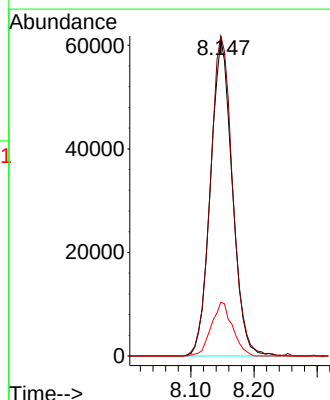
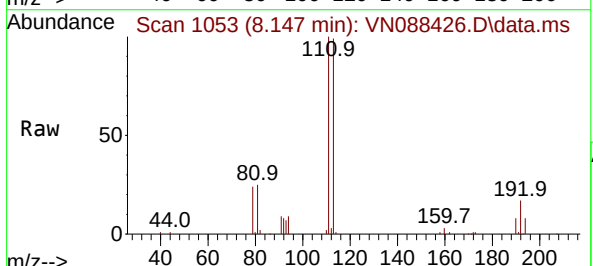
Tgt Ion:113 Resp: 146440

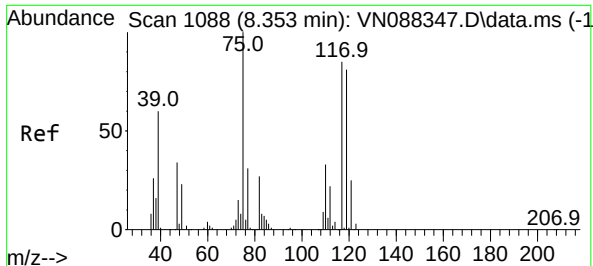
Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 16.4 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.367 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088426.D

Acq: 03 Dec 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

MW-04-12-120225

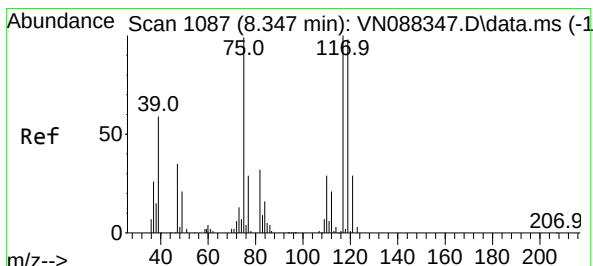
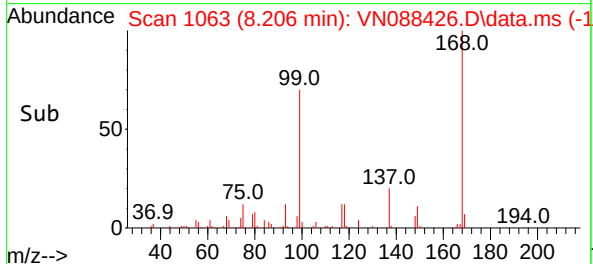
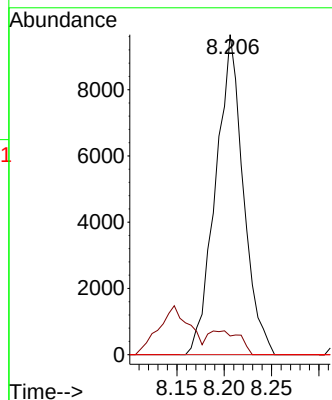
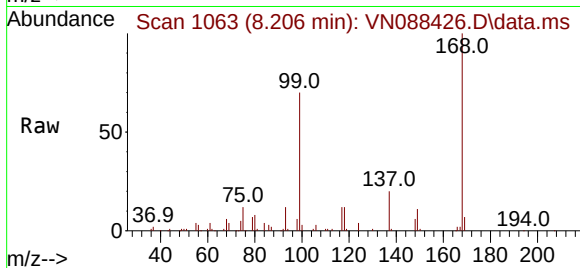
Tgt Ion: 75 Resp: 19620

Ion Ratio Lower Upper

75 100

110 8.5 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.048 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088426.D

Acq: 03 Dec 2025 14:13

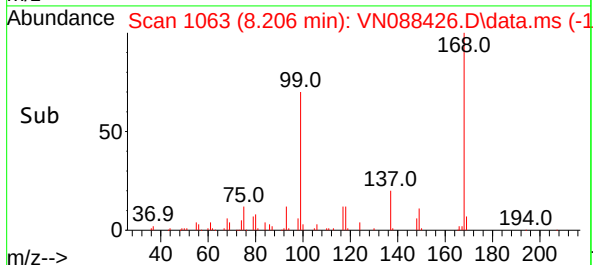
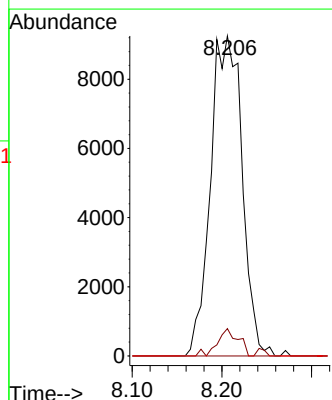
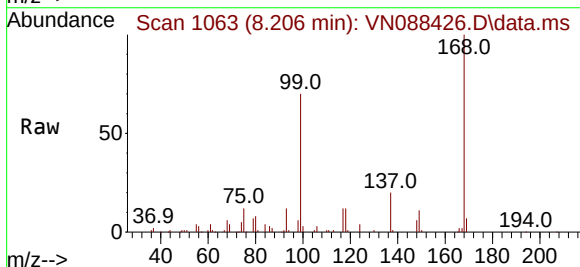
Tgt Ion: 117 Resp: 22577

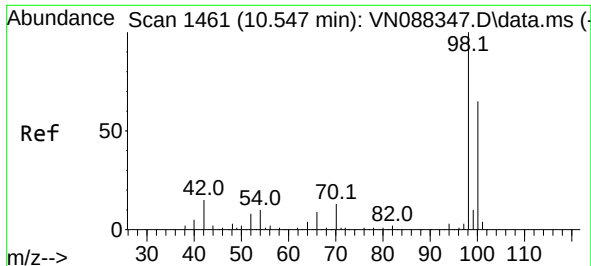
Ion Ratio Lower Upper

117 100

119 8.5 78.2 117.4#

121 0.0 23.4 35.2#

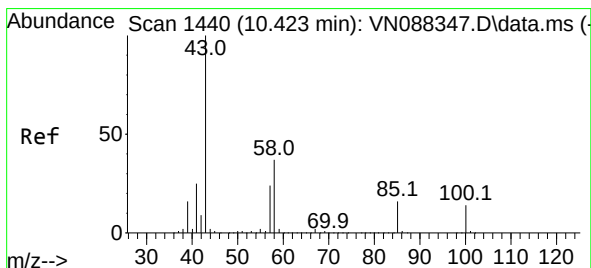
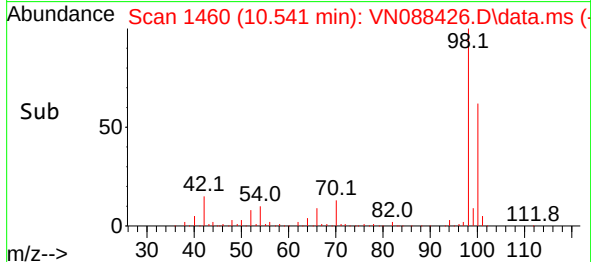
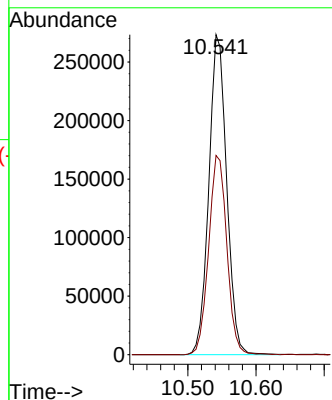
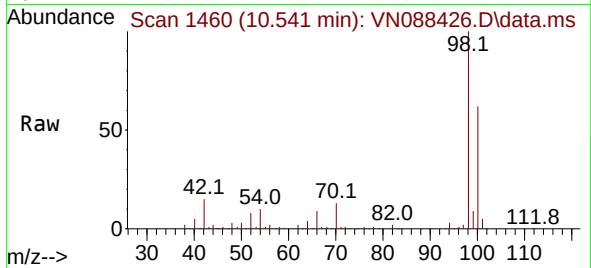




#50
Toluene-d8
Concen: 45.921 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

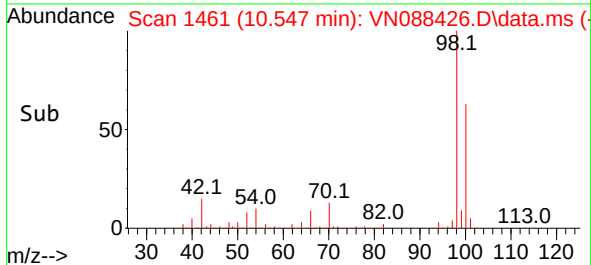
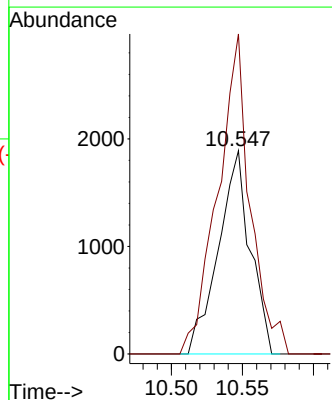
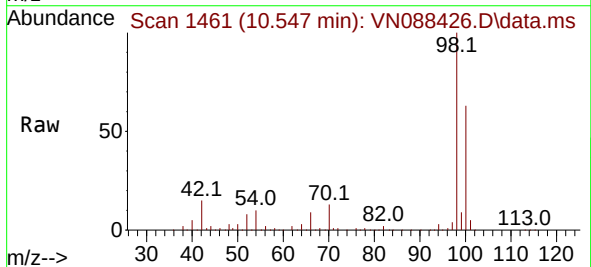
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

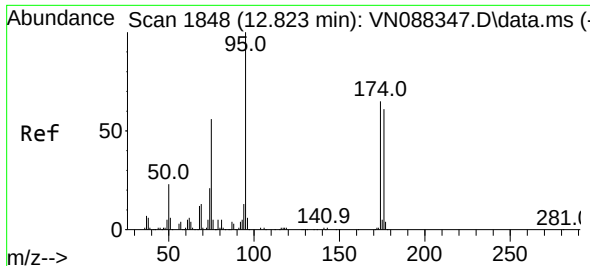
Tgt Ion: 98 Resp: 497377
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.553 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.124 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

Tgt Ion: 43 Resp: 2941
Ion Ratio Lower Upper
43 100
58 160.6 29.1 43.7#

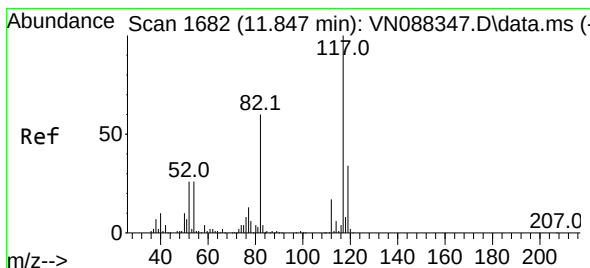
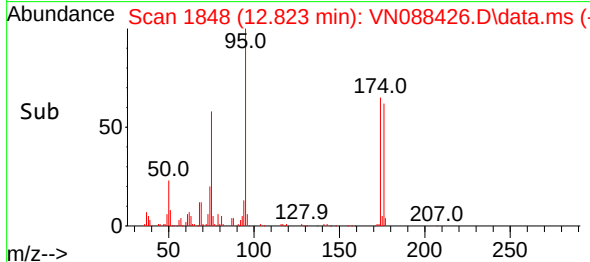
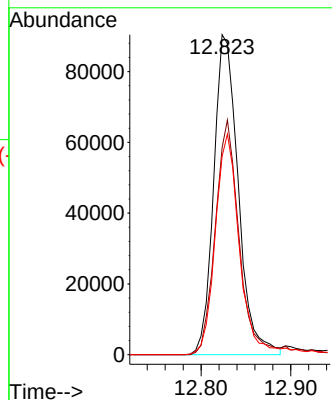
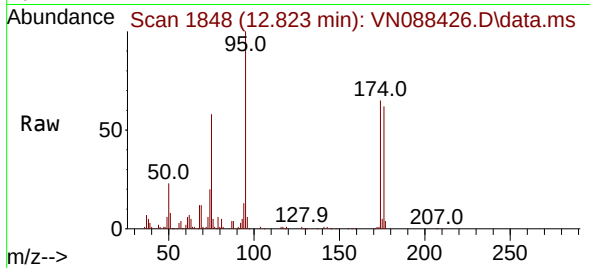




#62
4-Bromofluorobenzene
Concen: 46.227 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

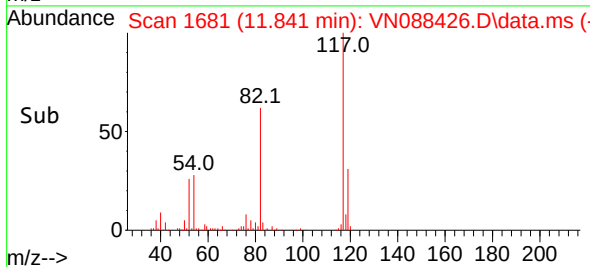
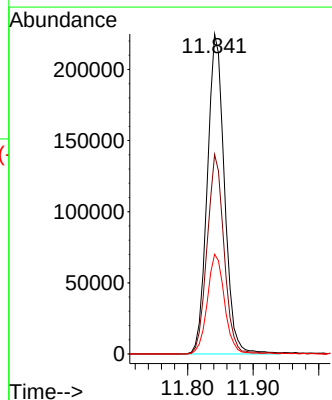
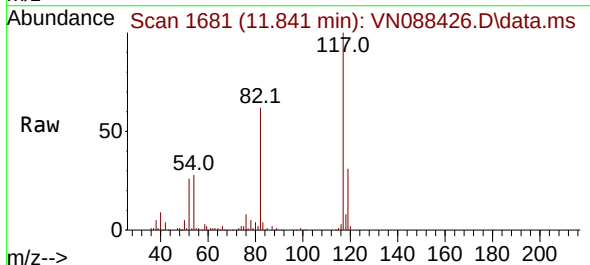
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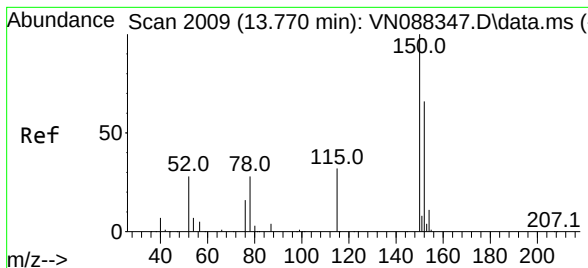
Tgt Ion: 95 Resp: 171799
Ion Ratio Lower Upper
95 100
174 73.0 0.0 139.0
176 69.5 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088426.D
Acq: 03 Dec 2025 14:13

Tgt Ion: 117 Resp: 409897
Ion Ratio Lower Upper
117 100
82 62.3 47.8 71.8
119 31.1 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: VN088426.D

Acq: 03 Dec 2025 14:13

Instrument :

MSVOA_N

ClientSampleId :

MW-04-12-120225

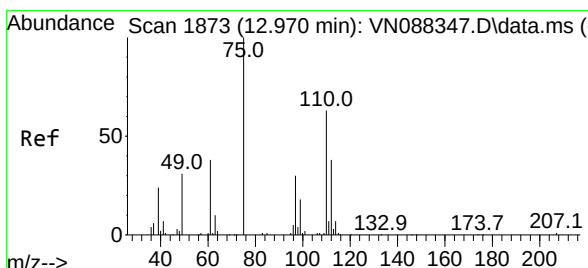
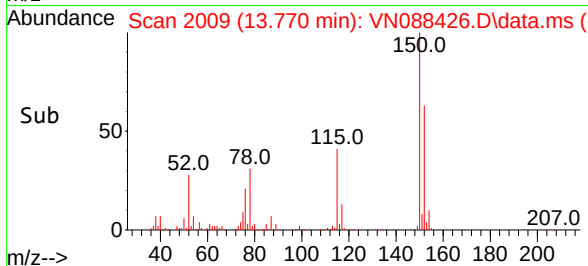
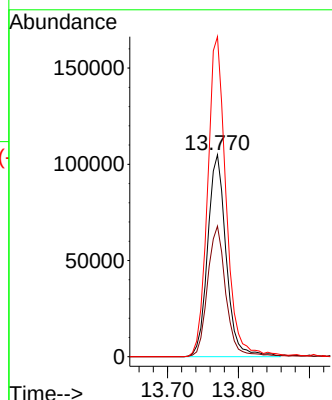
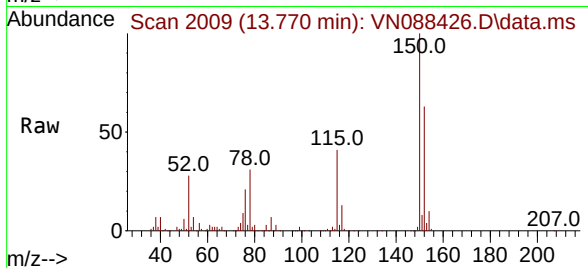
Tgt Ion:152 Resp: 190705

Ion Ratio Lower Upper

152 100

115 64.3 33.0 98.9

150 157.9 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 23.613 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088426.D

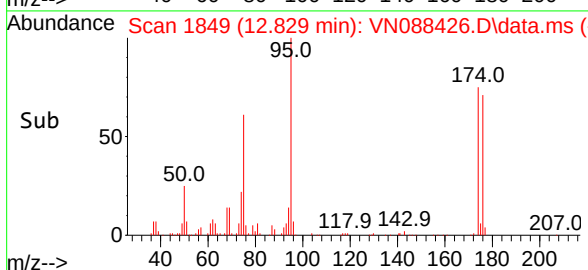
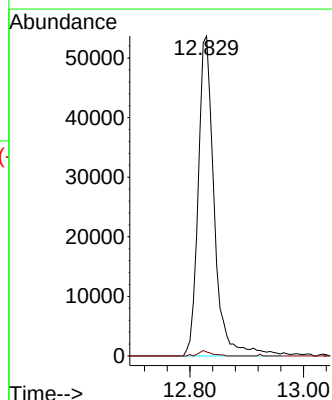
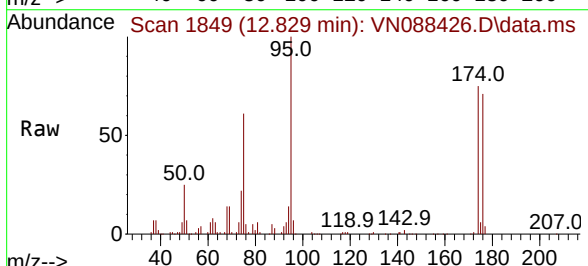
Acq: 03 Dec 2025 14:13

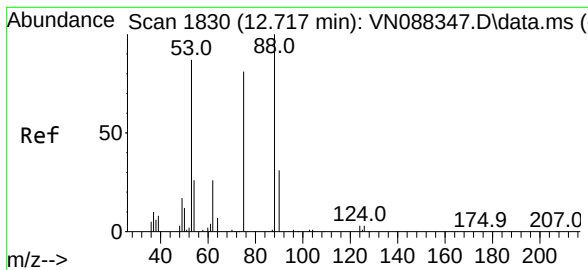
Tgt Ion: 75 Resp: 105472

Ion Ratio Lower Upper

75 100

77 1.4 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.989 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088426.D
 Acq: 03 Dec 2025 14:13

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-04-12-120225

Tgt Ion: 75 Resp: 105472
 Ion Ratio Lower Upper
 75 100
 53 0.3 92.2 138.4#
 89 0.0 0.0 0.0

