

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088447.D
 Acq On : 04 Dec 2025 15:47
 Operator : JC\MD
 Sample : Q3756-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Dec 05 00:17:17 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)

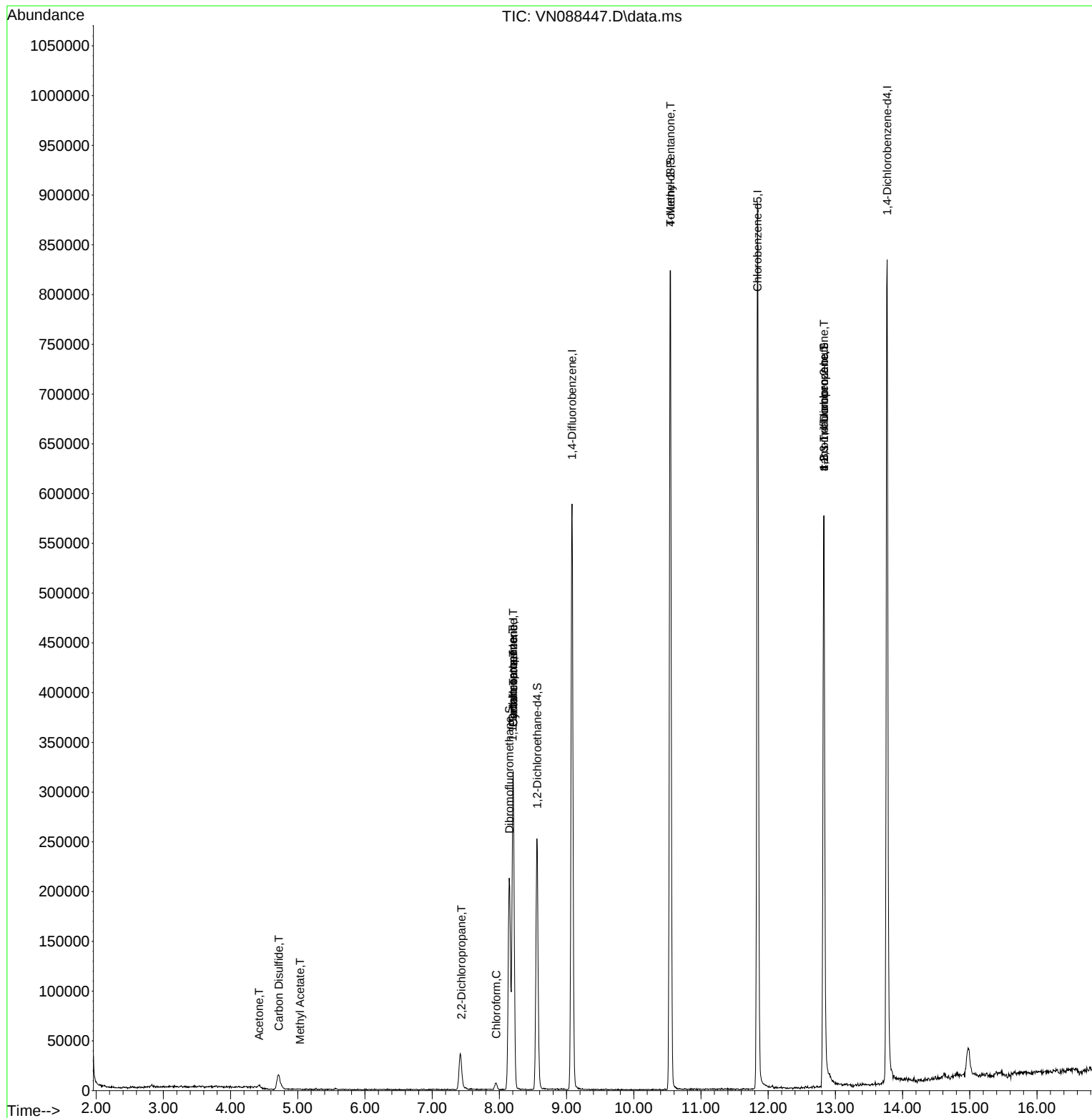
Internal Standards						
1) Pentafluorobenzene	8.206	168	206051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	468908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	455230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	220606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	214160	55.173	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 110.340%		
35) Dibromofluoromethane	8.147	113	153204	47.147	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 94.300%		
50) Toluene-d8	10.547	98	553012	45.739	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 91.480%		
62) 4-Bromofluorobenzene	12.829	95	210748	50.800	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 101.600%		
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	5885	4.192	ug/l #	70
17) Carbon Disulfide	4.718	76	1826	0.222	ug/l #	76
18) Methyl Acetate	5.036	43	879	0.210	ug/l #	72
26) 2,2-Dichloropropane	7.435	77	2601	0.535	ug/l #	56
30) Chloroform	7.953	83	6731	1.216	ug/l	93
31) Cyclohexane	8.206	56	7111	1.393	ug/l #	44
36) 1,1-Dichloropropene	8.200	75	22637	4.514	ug/l #	52
38) Carbon Tetrachloride	8.206	117	25526	5.113	ug/l #	17
51) 4-Methyl-2-Pentanone	10.547	43	3531	0.595	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	130155	25.190	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	130155	71.462	ug/l #	1

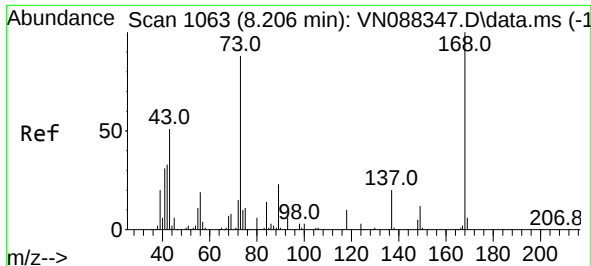
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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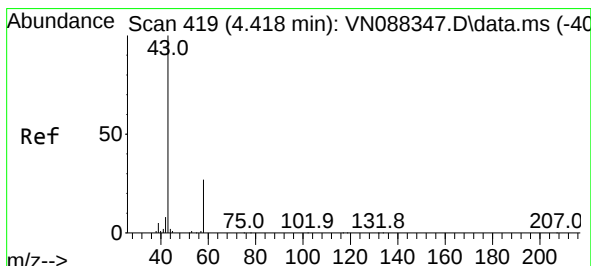
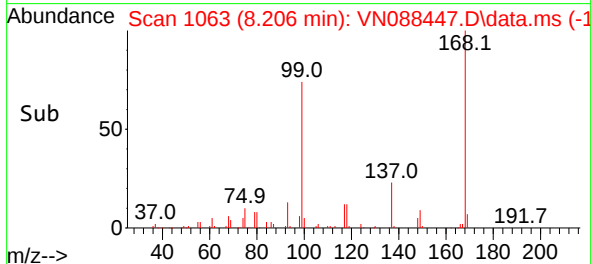
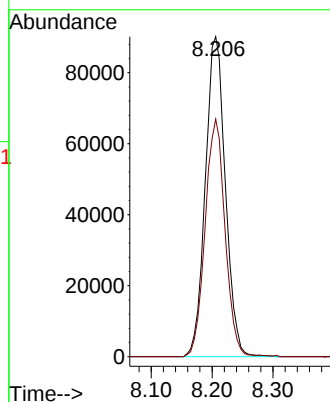
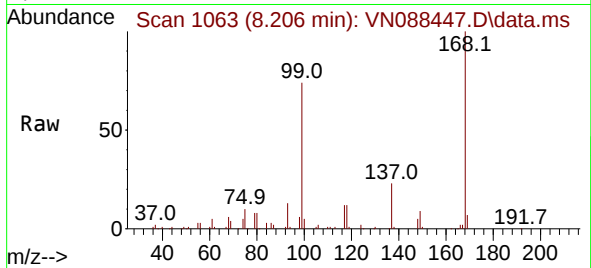




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

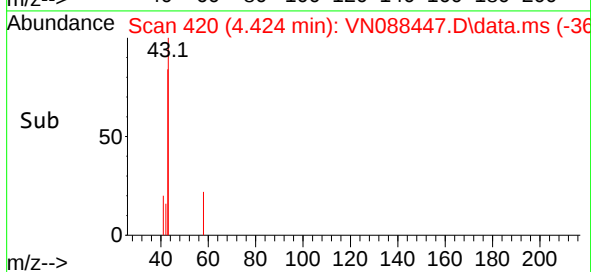
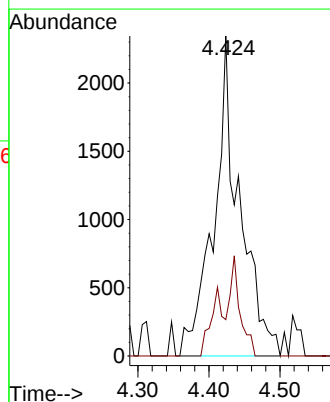
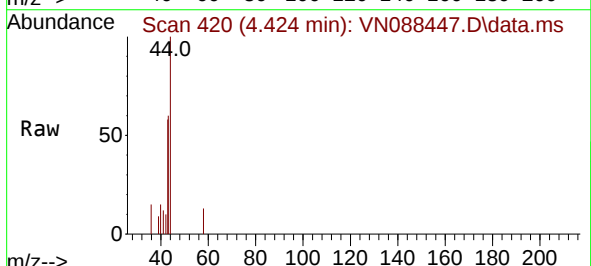
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

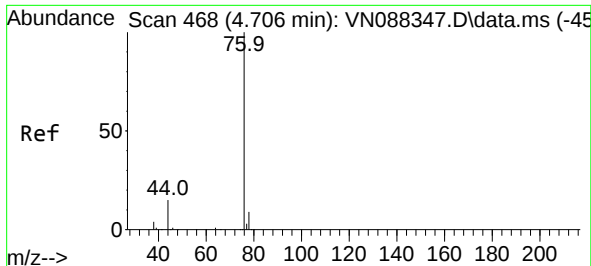
Tgt Ion:168 Resp: 206051
Ion Ratio Lower Upper
168 100
99 74.2 57.1 85.7



#16
Acetone
Concen: 4.192 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

Tgt Ion: 43 Resp: 5885
Ion Ratio Lower Upper
43 100
58 11.4 21.7 32.5#

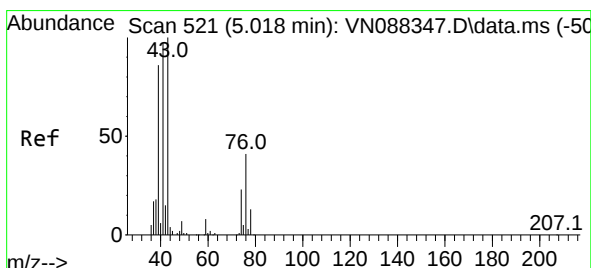
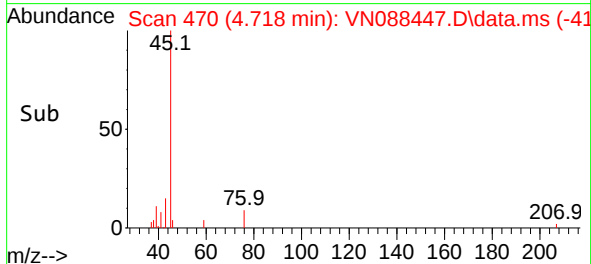
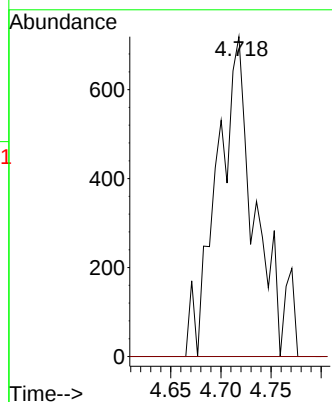
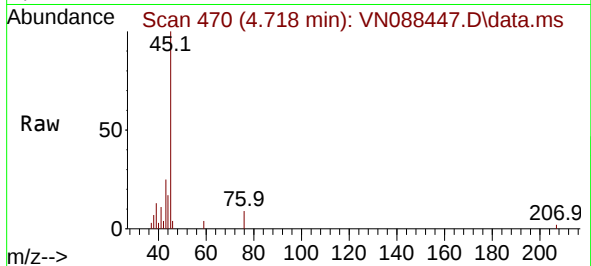




#17
Carbon Disulfide
Concen: 0.222 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

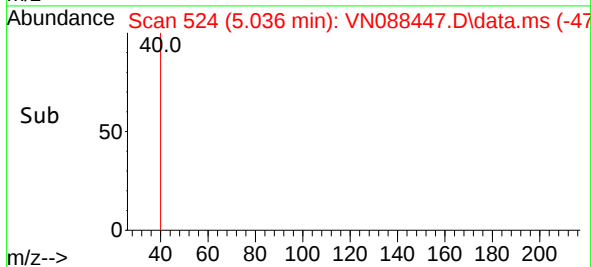
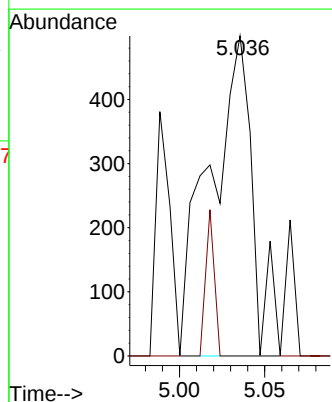
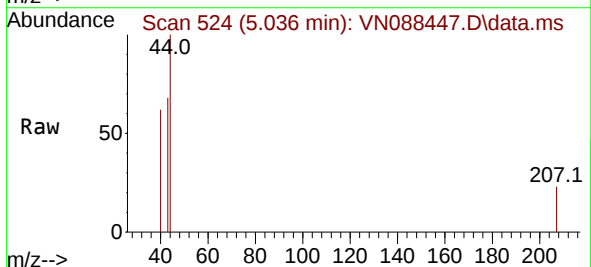
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

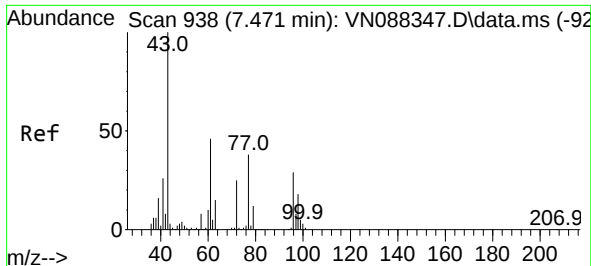
Tgt Ion: 76 Resp: 1826
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 0.210 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

Tgt Ion: 43 Resp: 879
Ion Ratio Lower Upper
43 100
74 9.1 17.9 26.9#

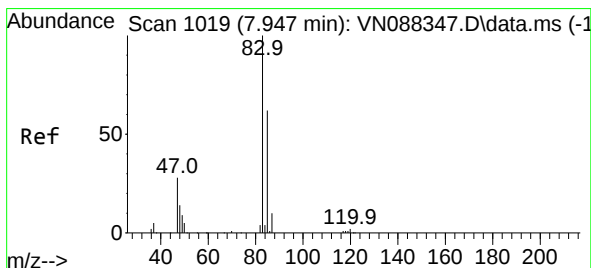
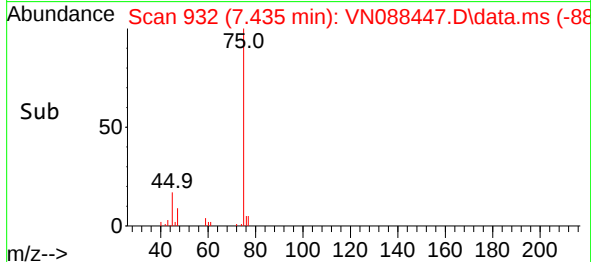
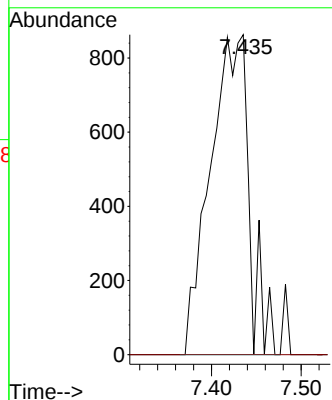
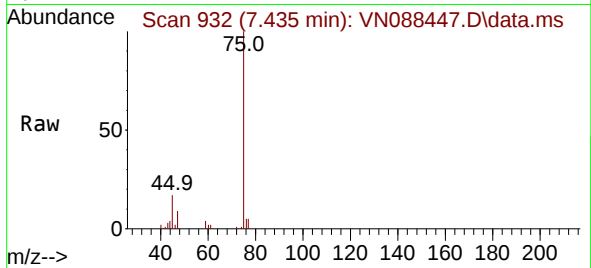




#26
2,2-Dichloropropane
Concen: 0.535 ug/l
RT: 7.435 min Scan# 91
Delta R.T. -0.035 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

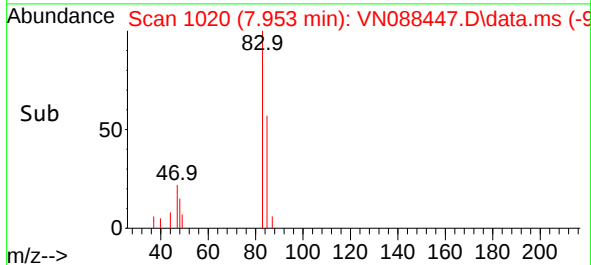
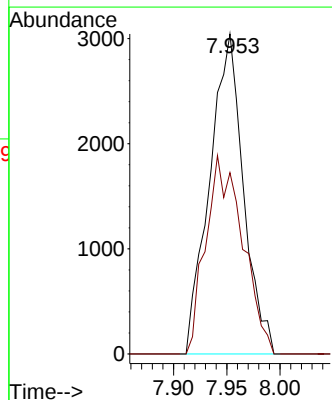
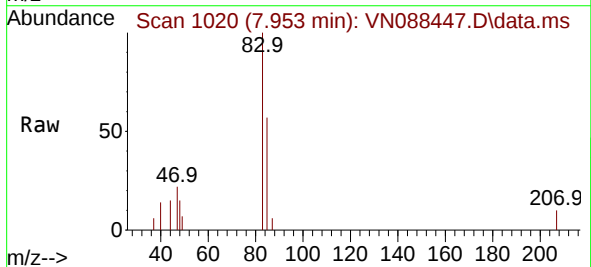
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

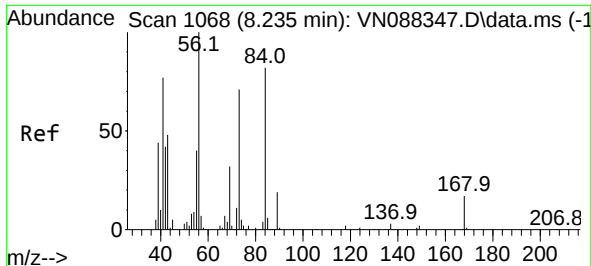
Tgt Ion: 77 Resp: 2601
Ion Ratio Lower Upper
77 100
97 0.0 10.3 30.9#



#30
Chloroform
Concen: 1.216 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

Tgt Ion: 83 Resp: 6731
Ion Ratio Lower Upper
83 100
85 56.6 49.8 74.8

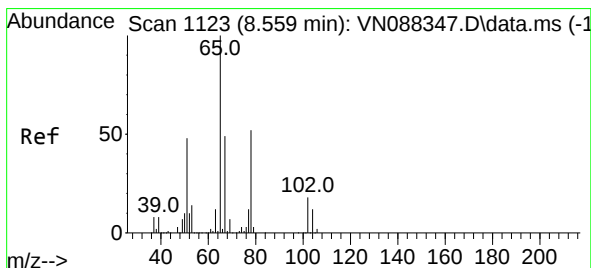
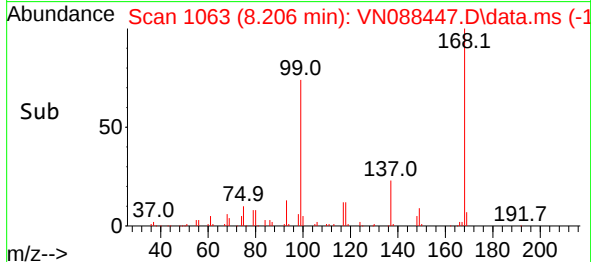
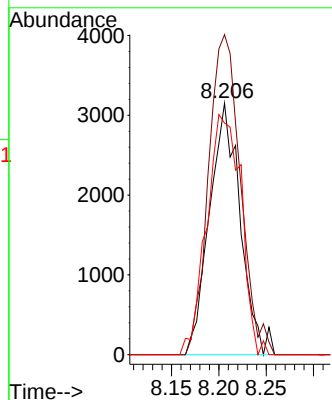
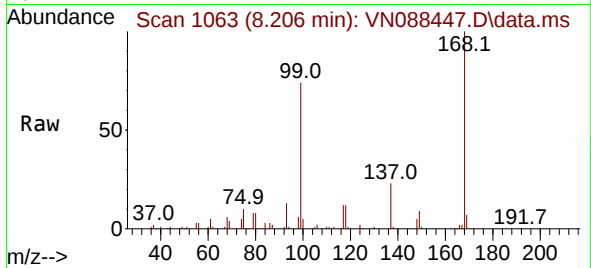




#31
Cyclohexane
Concen: 1.393 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

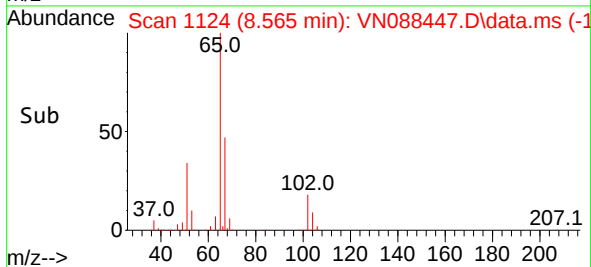
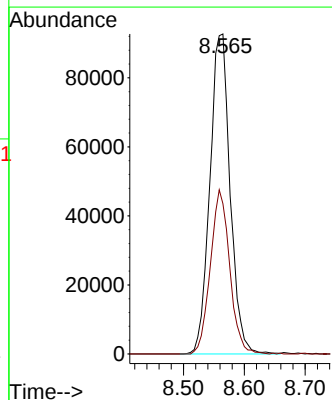
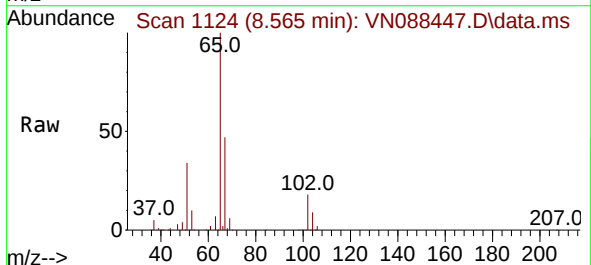
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

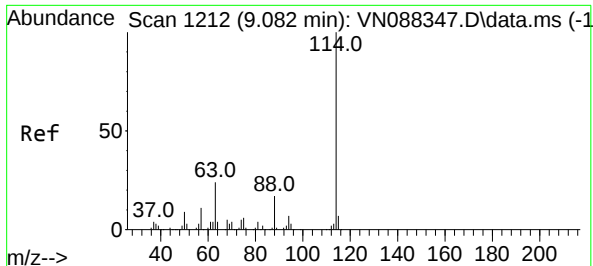
Tgt Ion: 56 Resp: 7111
Ion Ratio Lower Upper
56 100
69 127.2 25.3 37.9#
84 92.1 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 55.173 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

Tgt Ion: 65 Resp: 214160
Ion Ratio Lower Upper
65 100
67 48.9 0.0 100.8

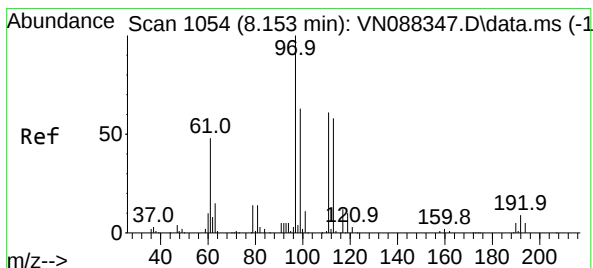
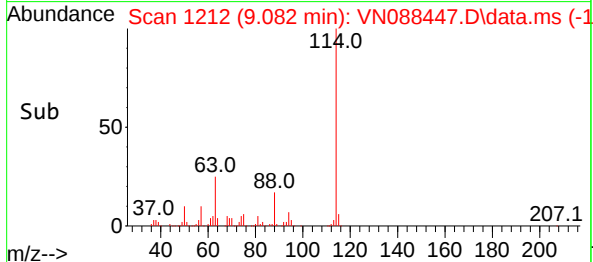
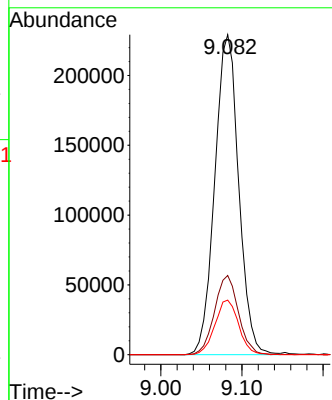
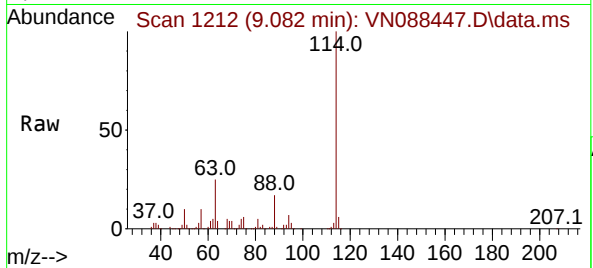




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

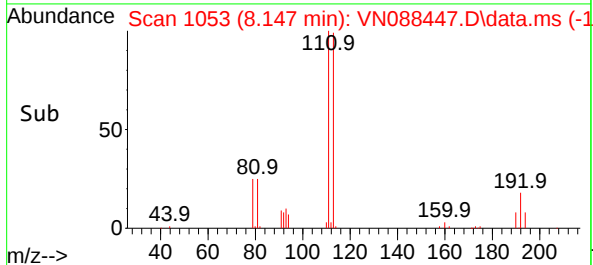
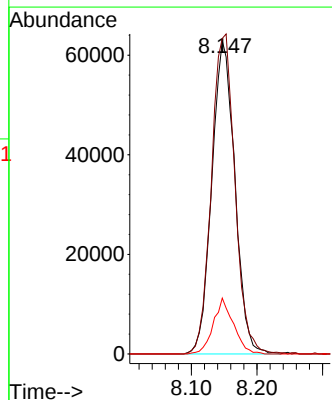
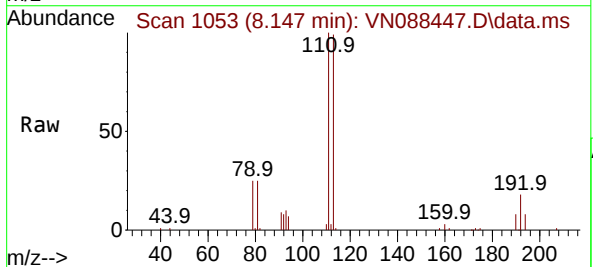
Instrument :
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ClientSampleId :
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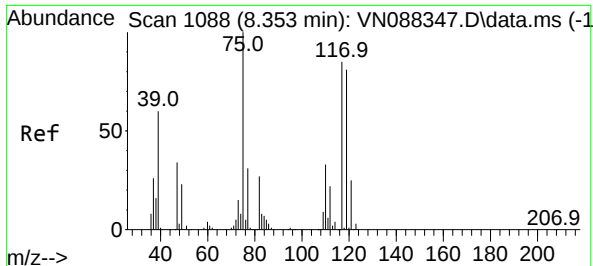
Tgt Ion:114 Resp: 468908
Ion Ratio Lower Upper
114 100
63 24.7 0.0 49.0
88 17.1 0.0 34.0



#35
Dibromofluoromethane
Concen: 47.147 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

Tgt Ion:113 Resp: 153204
Ion Ratio Lower Upper
113 100
111 104.2 82.5 123.7
192 15.7 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.514 ug/l

RT: 8.200 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN088447.D

Acq: 04 Dec 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

MW-04-12-120225

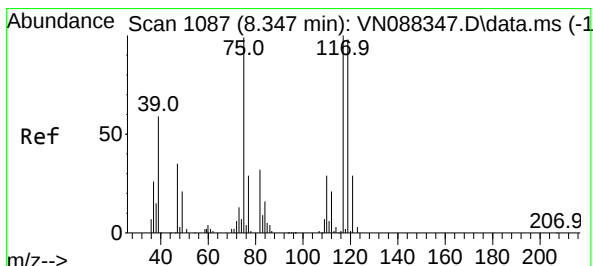
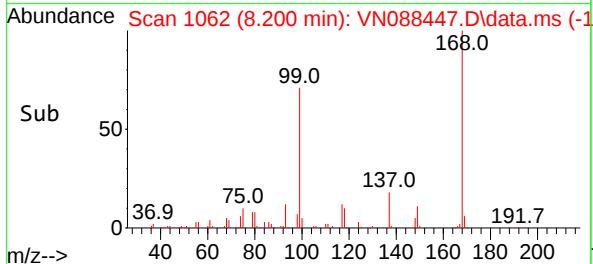
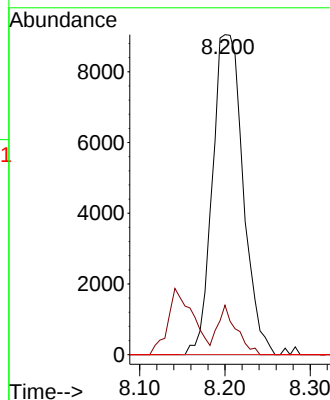
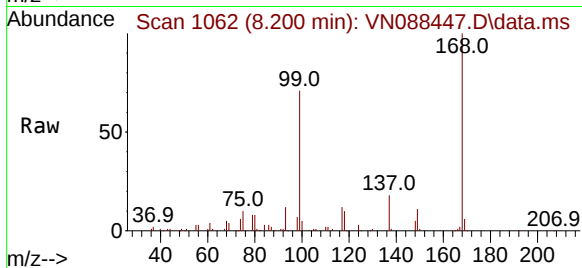
Tgt Ion: 75 Resp: 22637

Ion Ratio Lower Upper

75 100

110 9.4 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.113 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088447.D

Acq: 04 Dec 2025 15:47

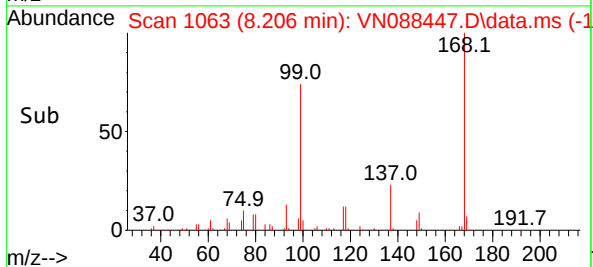
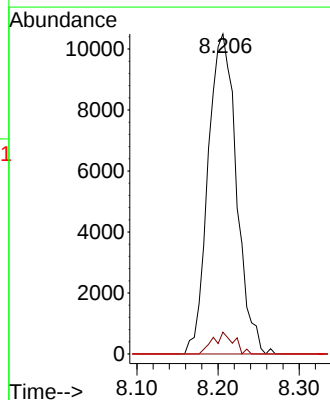
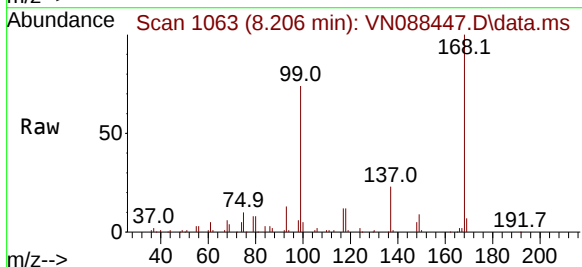
Tgt Ion: 117 Resp: 25526

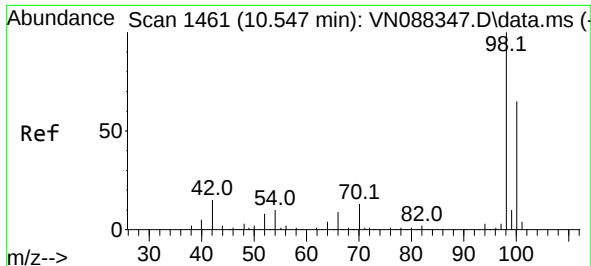
Ion Ratio Lower Upper

117 100

119 6.8 78.2 117.4#

121 0.0 23.4 35.2#

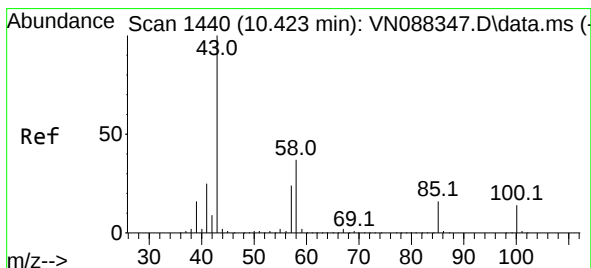
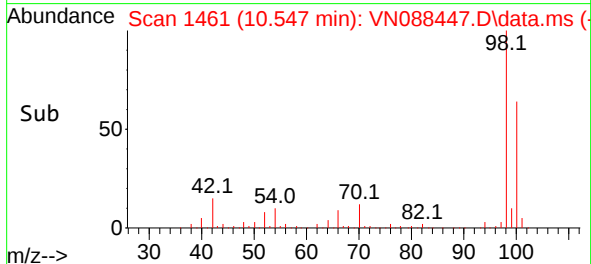
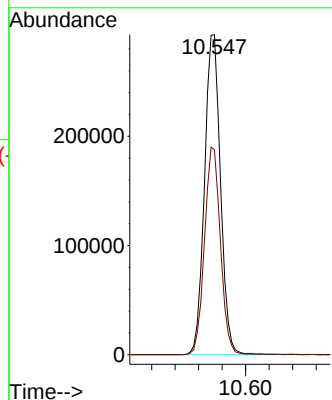
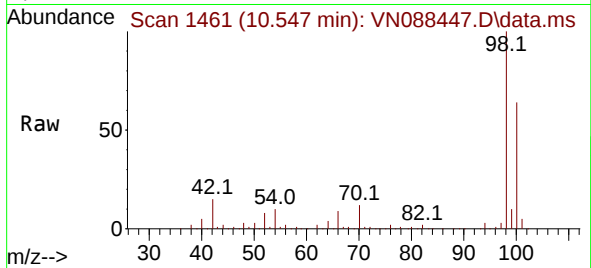




#50
Toluene-d8
Concen: 45.739 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

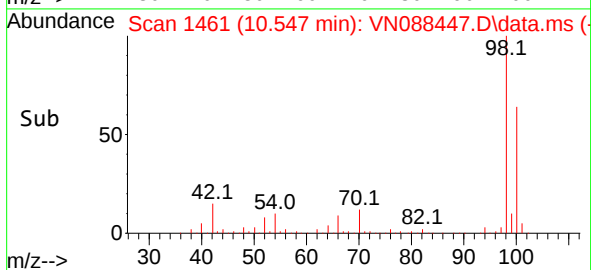
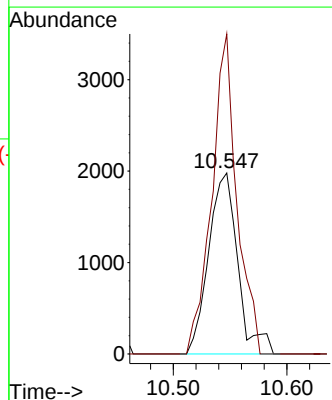
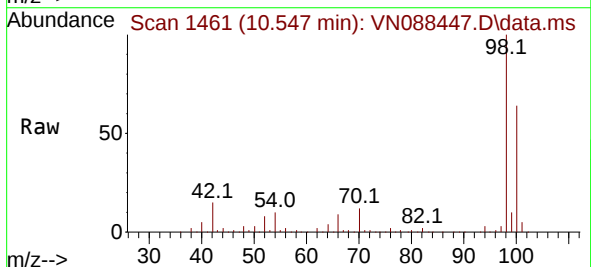
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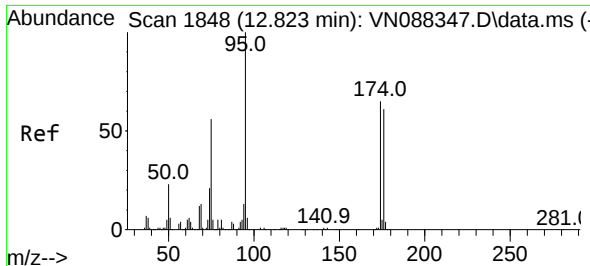
Tgt Ion: 98 Resp: 553012
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.595 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.123 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

Tgt Ion: 43 Resp: 3531
Ion Ratio Lower Upper
43 100
58 152.2 29.1 43.7#

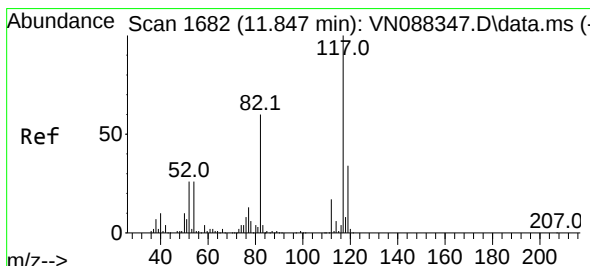
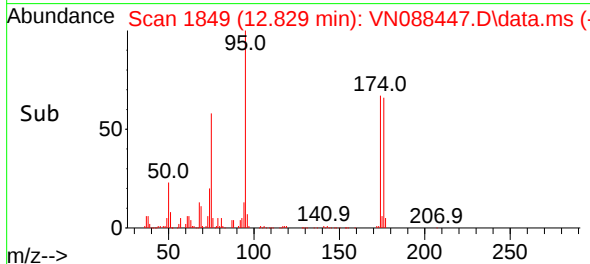
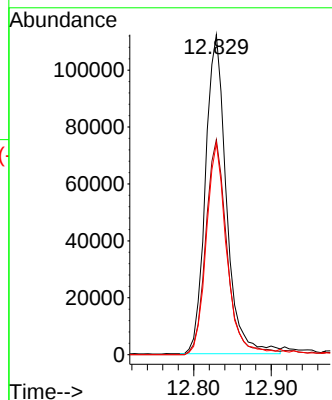
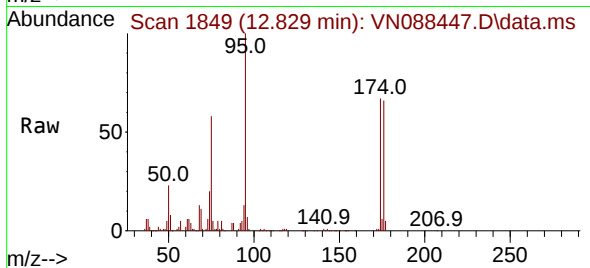




#62
4-Bromofluorobenzene
Concen: 50.800 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

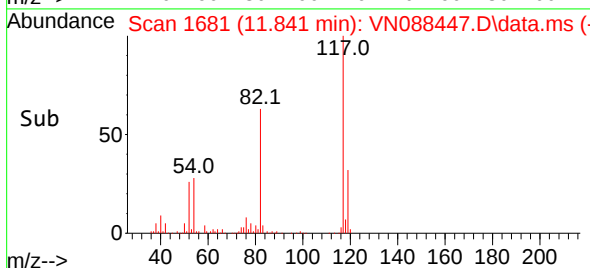
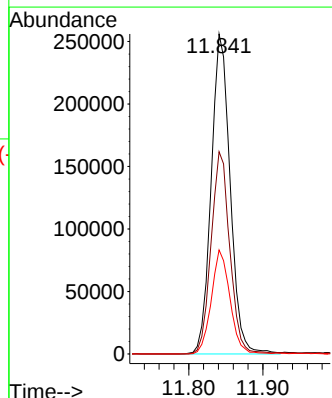
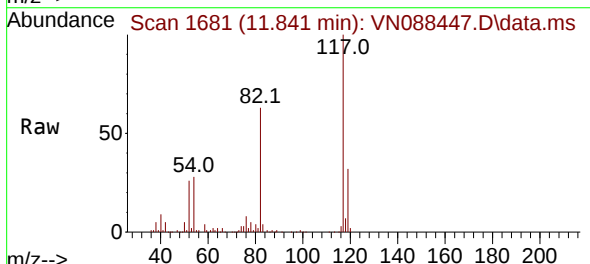
Instrument :
MSVOA_N
ClientSampleId :
MW-04-12-120225

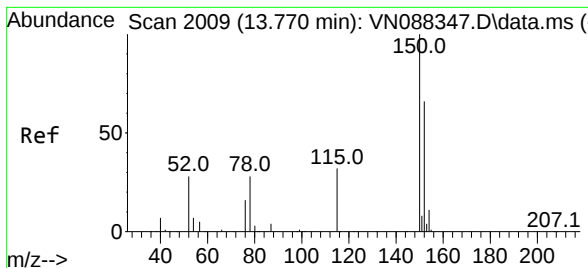
Tgt Ion: 95 Resp: 210748
Ion Ratio Lower Upper
95 100
174 68.2 0.0 139.0
176 64.7 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088447.D
Acq: 04 Dec 2025 15:47

Tgt Ion: 117 Resp: 455230
Ion Ratio Lower Upper
117 100
82 63.2 47.8 71.8
119 32.5 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: VN088447.D

Acq: 04 Dec 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

MW-04-12-120225

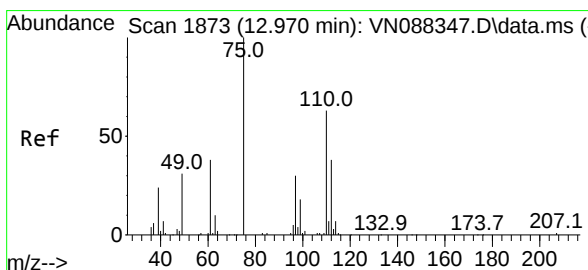
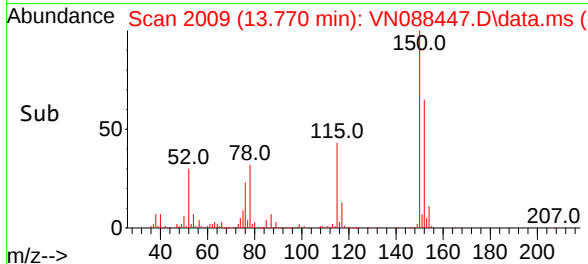
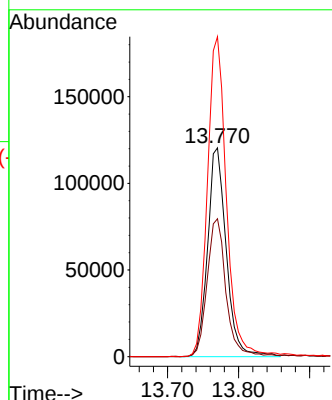
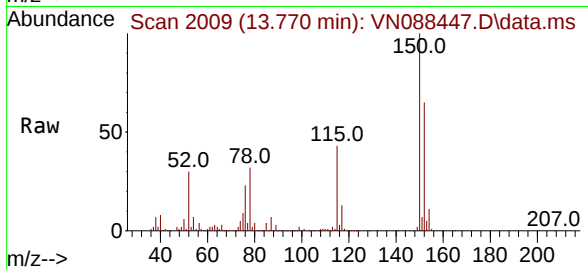
Tgt Ion:152 Resp: 220606

Ion Ratio Lower Upper

152 100

115 66.9 33.0 98.9

150 157.2 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 25.190 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088447.D

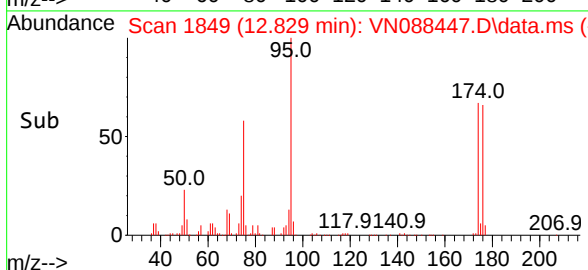
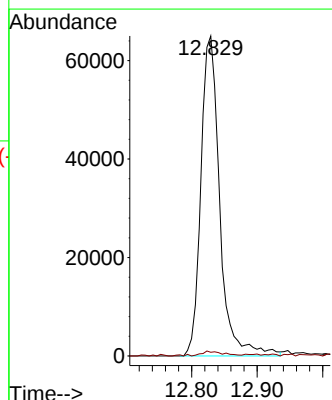
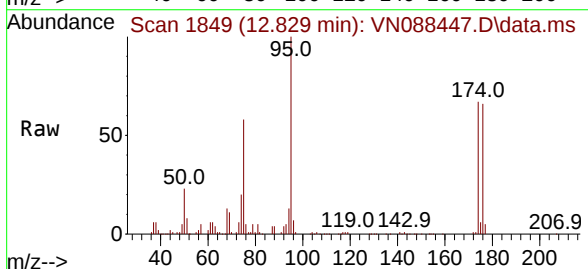
Acq: 04 Dec 2025 15:47

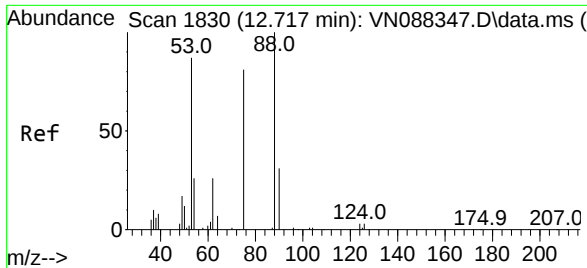
Tgt Ion: 75 Resp: 130155

Ion Ratio Lower Upper

75 100

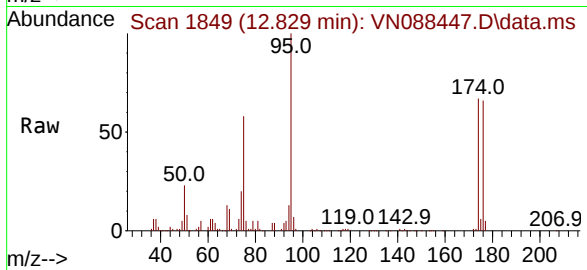
77 1.7 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.462 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN088447.D
 Acq: 04 Dec 2025 15:47

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



Tgt Ion: 75 Resp: 130155
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.0 0.0 0.0

