

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121625\
 Data File : VN088518.D
 Acq On : 16 Dec 2025 11:24
 Operator : JC\MD
 Sample : VN1216WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216MBL01

Quant Time: Dec 17 01:36:56 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)

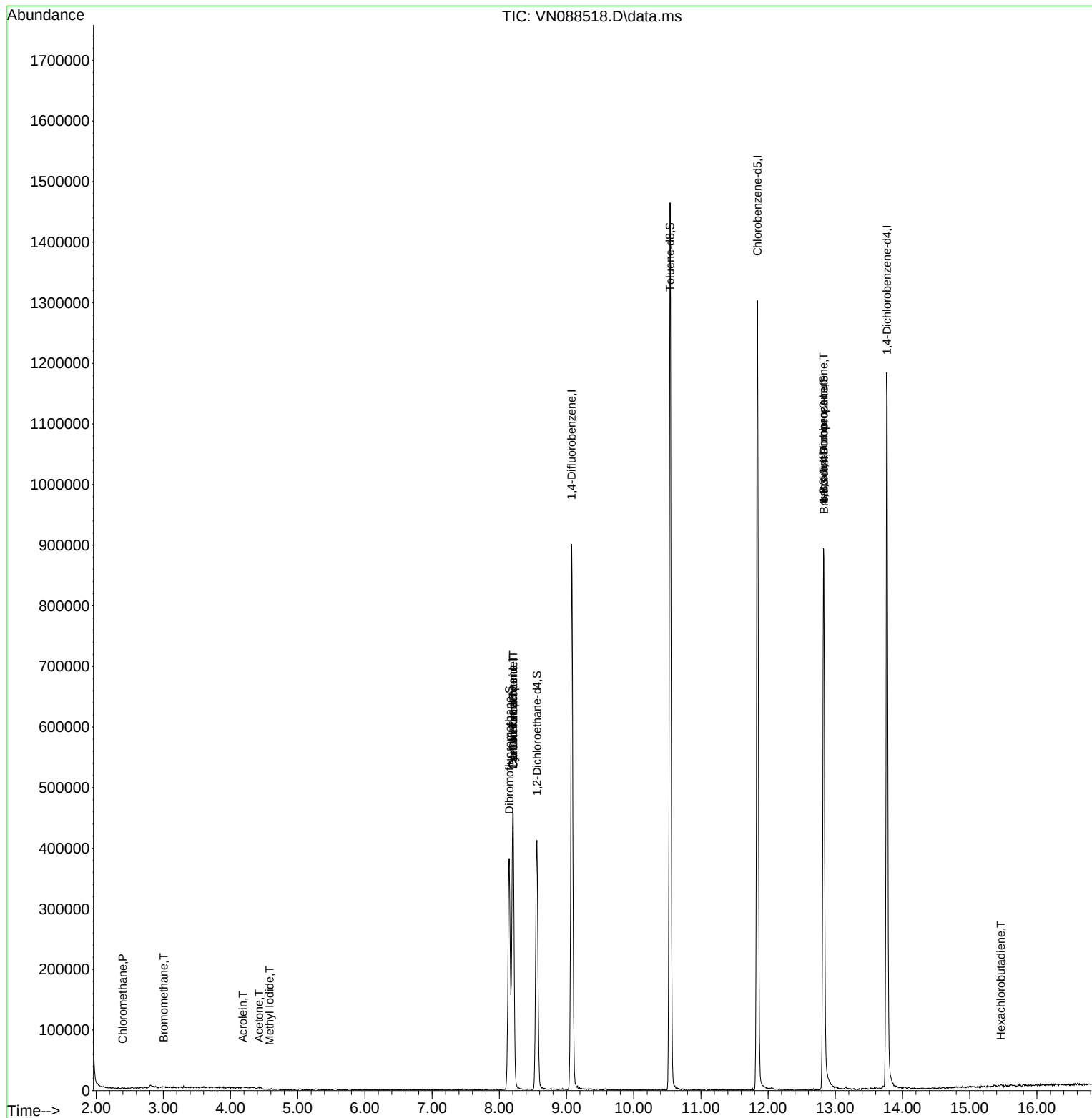
Internal Standards						
1) Pentafluorobenzene	8.200	168	321084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	733315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	721892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	325495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	359665	59.463	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.920%			
35) Dibromofluoromethane	8.147	113	274763	54.068	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.140%			
50) Toluene-d8	10.541	98	968922	51.243	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.824	95	344643	53.122	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.240%			
Target Compounds			Qvalue			
3) Chloromethane	2.395	50	1221	0.236	ug/l #	50
5) Bromomethane	3.007	94	1533	0.604	ug/l #	46
10) Methyl Iodide	4.583	142	1445	0.370	ug/l #	89
13) Acrolein	4.183	56	330	0.357	ug/l #	74
16) Acetone	4.424	43	1539	0.704	ug/l #	48
31) Cyclohexane	8.206	56	9506	1.195	ug/l #	42
36) 1,1-Dichloropropene	8.206	75	31726	4.045	ug/l #	51
38) Carbon Tetrachloride	8.206	117	35211	4.510	ug/l #	15
71) Bromoform	12.829	173	2718	0.679	ug/l #	1
76) 1,2,3-Trichloropropane	12.824	75	192138	25.203	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.824	75	192138	71.499	ug/l #	1
94) Hexachlorobutadiene	15.465	225	673	0.312	ug/l #	62

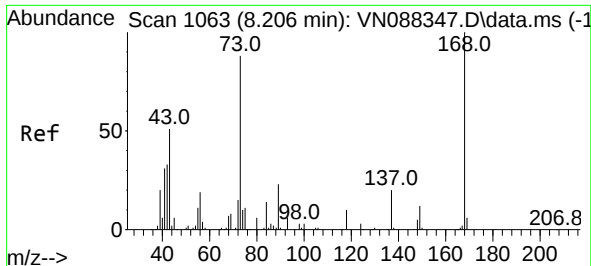
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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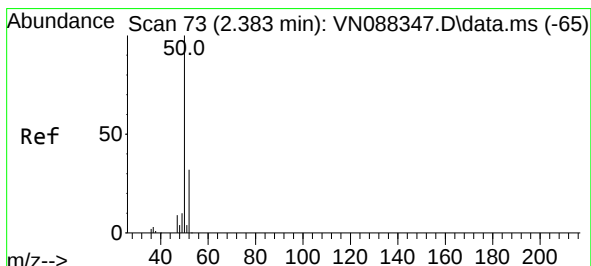
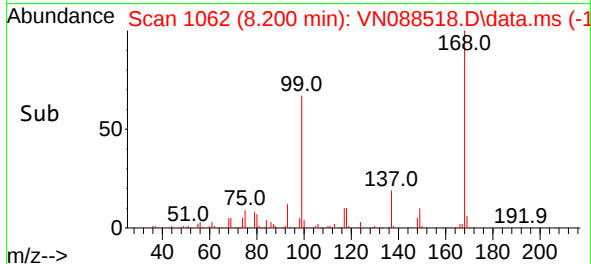
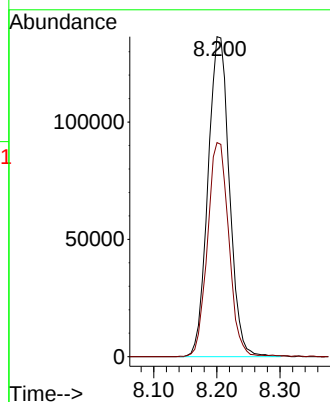
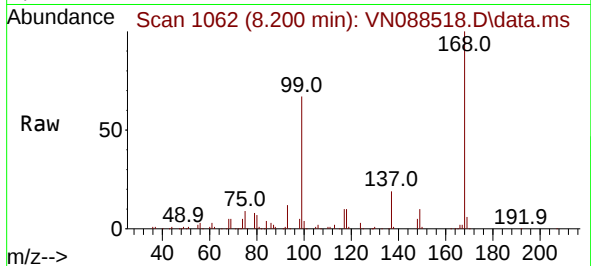




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

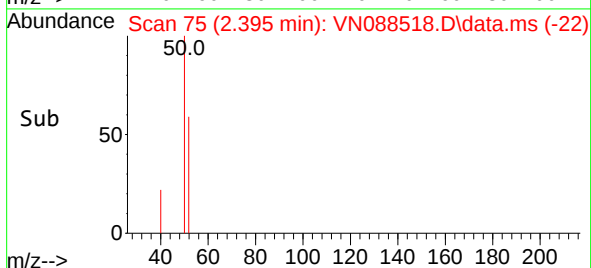
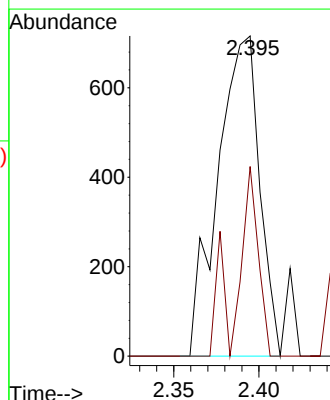
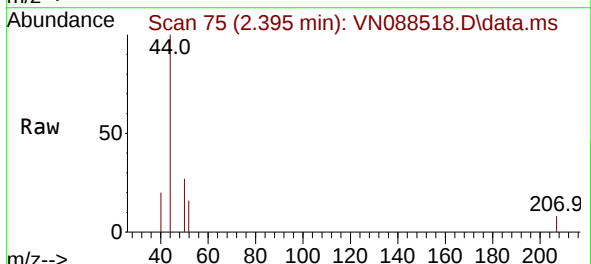
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

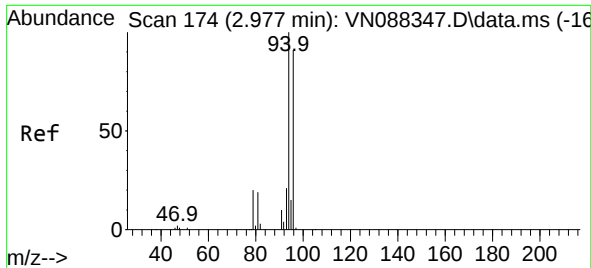
Tgt Ion:168 Resp: 321084
Ion Ratio Lower Upper
168 100
99 66.7 57.1 85.7



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.395 min Scan# 75
Delta R.T. 0.012 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

Tgt Ion: 50 Resp: 1221
Ion Ratio Lower Upper
50 100
52 59.2 25.2 37.8#

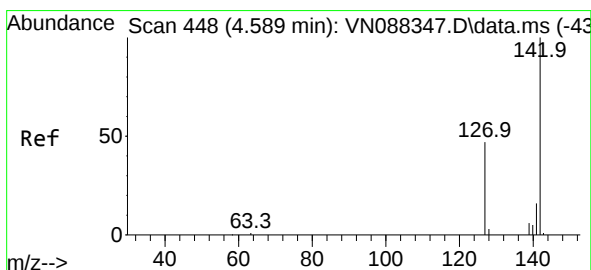
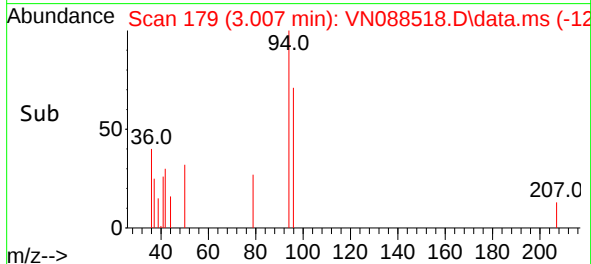
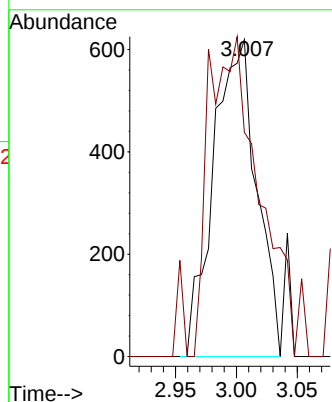
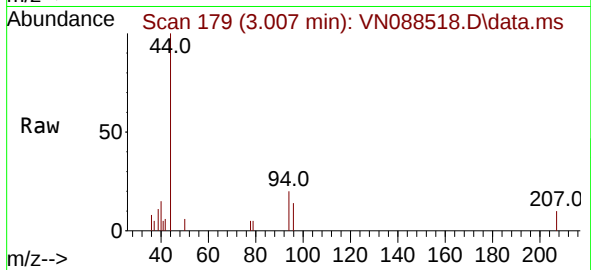




#5
Bromomethane
Concen: 0.604 ug/l
RT: 3.007 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

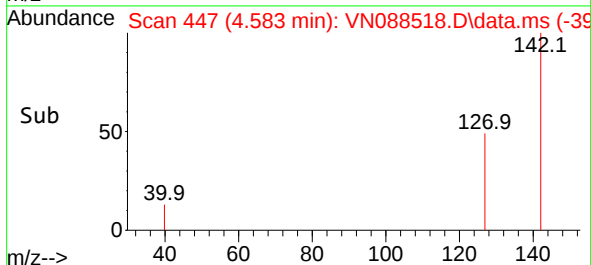
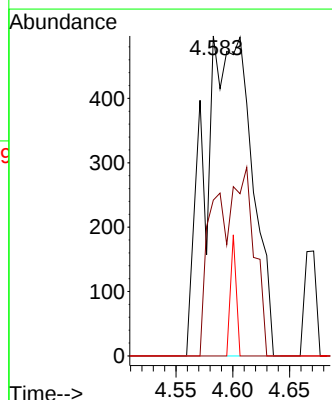
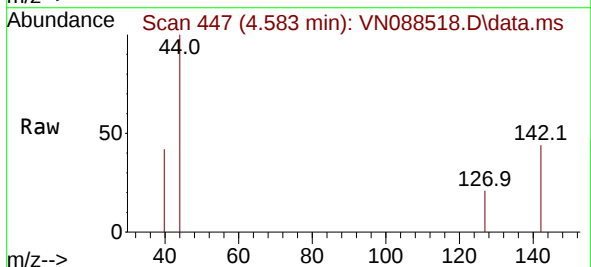
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

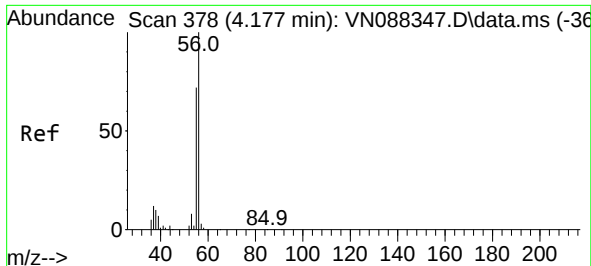
Tgt Ion: 94 Resp: 1533
Ion Ratio Lower Upper
94 100
96 40.4 73.2 109.8#



#10
Methyl Iodide
Concen: 0.370 ug/l
RT: 4.583 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

Tgt Ion:142 Resp: 1445
Ion Ratio Lower Upper
142 100
127 48.7 37.9 56.9
141 0.0 12.4 18.6#

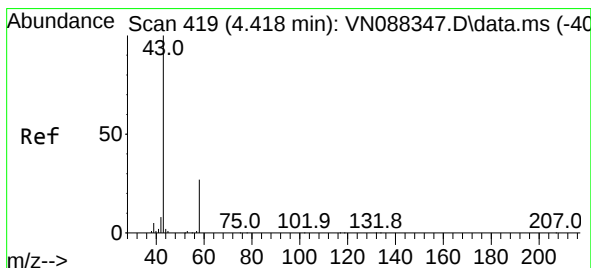
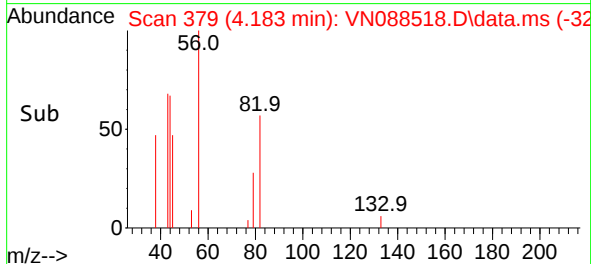
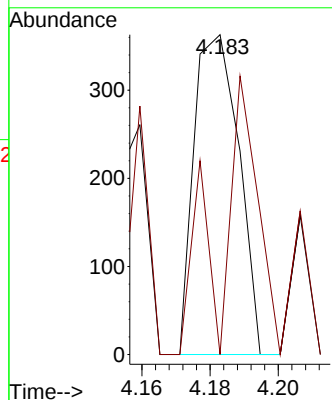
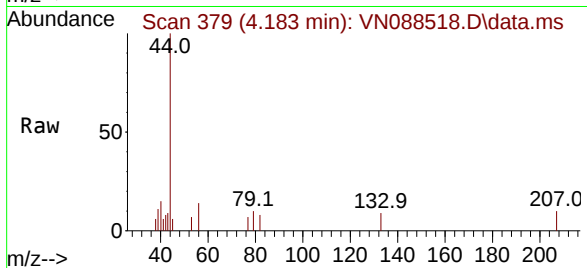




#13
Acrolein
Concen: 0.357 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

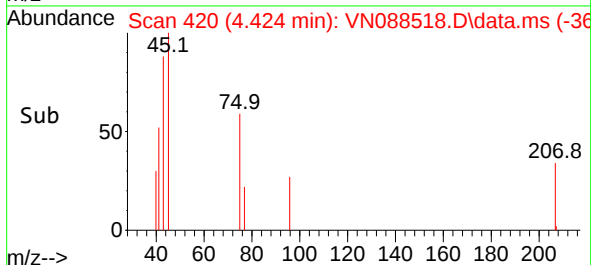
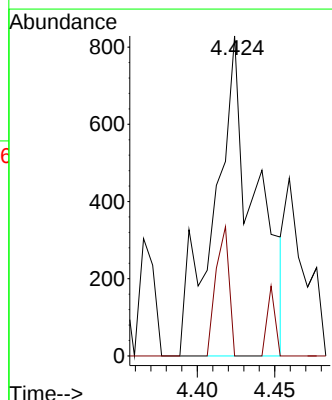
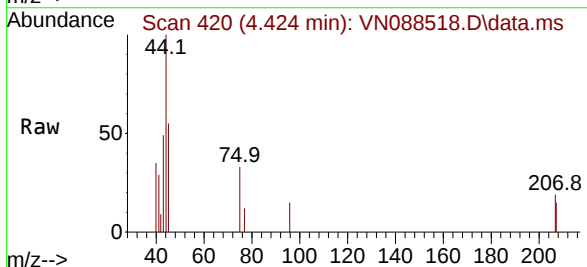
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

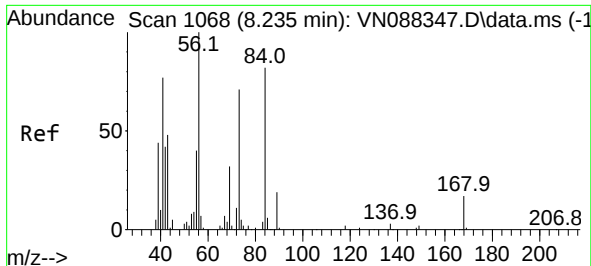
Tgt Ion: 56 Resp: 330
Ion Ratio Lower Upper
56 100
55 92.1 56.3 84.5#



#16
Acetone
Concen: 0.704 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

Tgt Ion: 43 Resp: 1539
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#

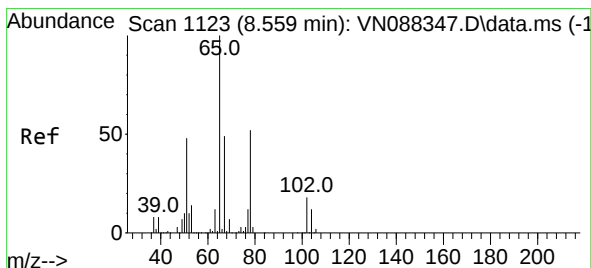
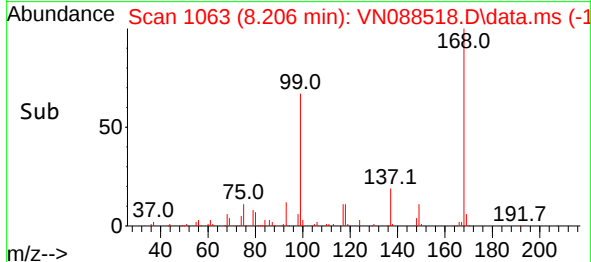
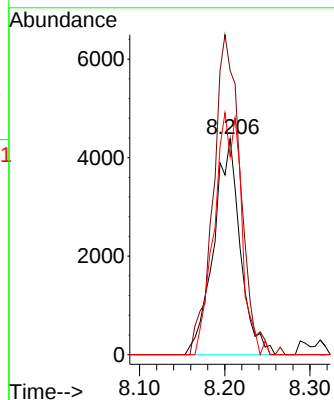
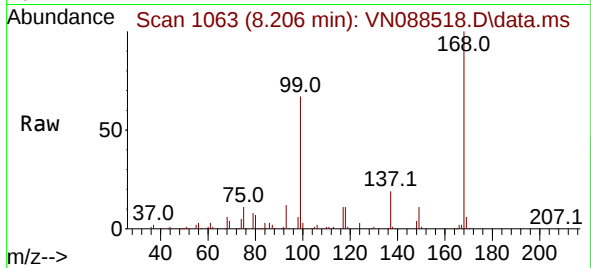




#31
Cyclohexane
Concen: 1.195 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

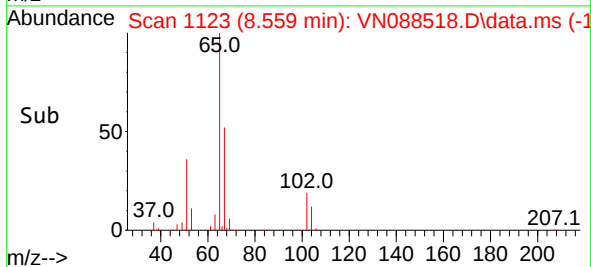
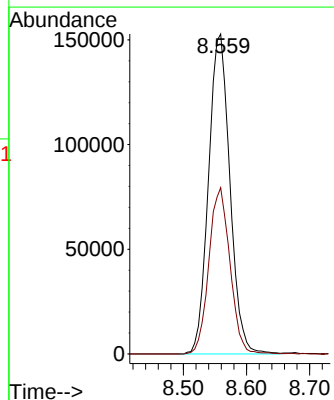
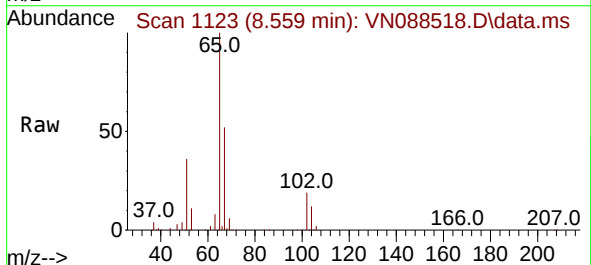
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

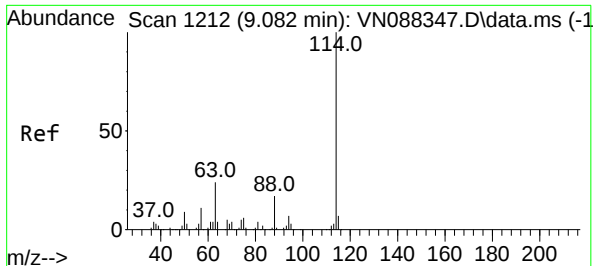
Tgt Ion: 56 Resp: 9506
Ion Ratio Lower Upper
56 100
69 131.5 25.3 37.9#
84 91.7 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 59.463 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

Tgt Ion: 65 Resp: 359665
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088518.D

Acq: 16 Dec 2025 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

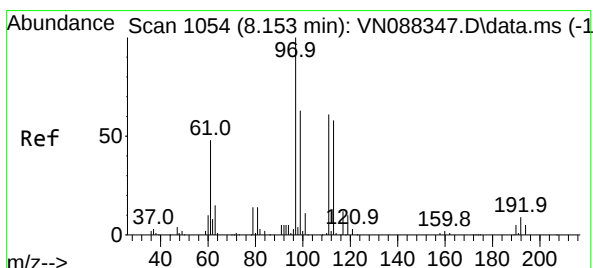
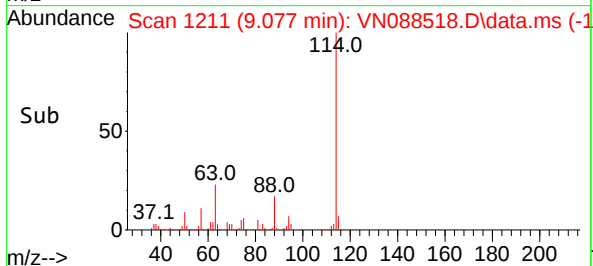
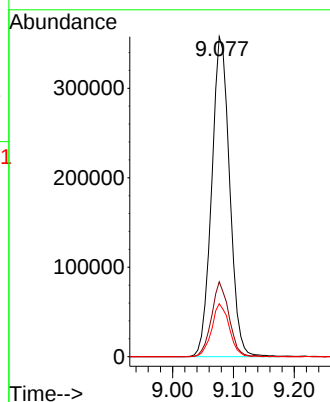
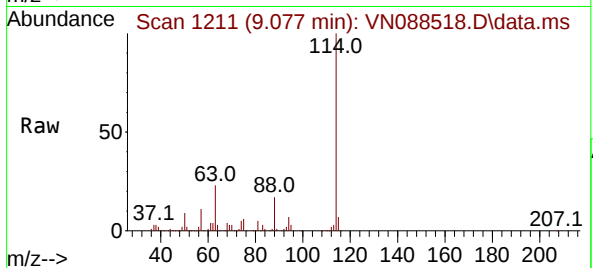
Tgt Ion:114 Resp: 733315

Ion Ratio Lower Upper

114 100

63 23.4 0.0 49.0

88 16.6 0.0 34.0



#35

Dibromofluoromethane

Concen: 54.068 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088518.D

Acq: 16 Dec 2025 11:24

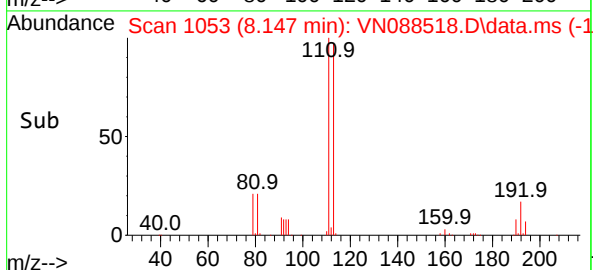
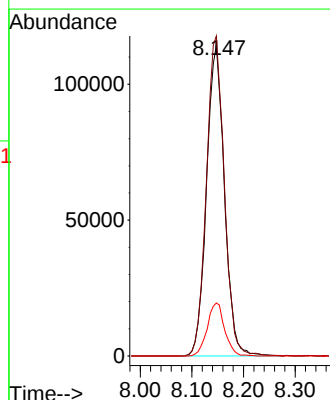
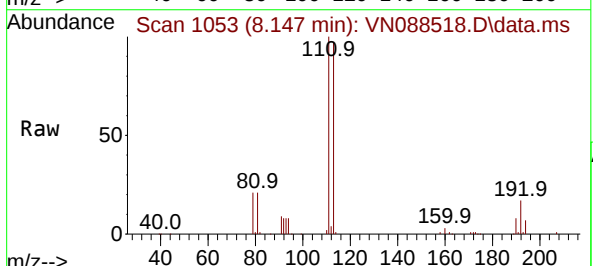
Tgt Ion:113 Resp: 274763

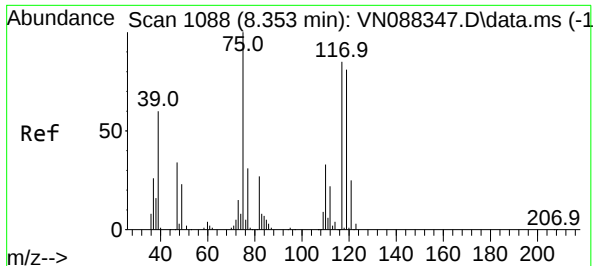
Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 16.6 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.045 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088518.D

Acq: 16 Dec 2025 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

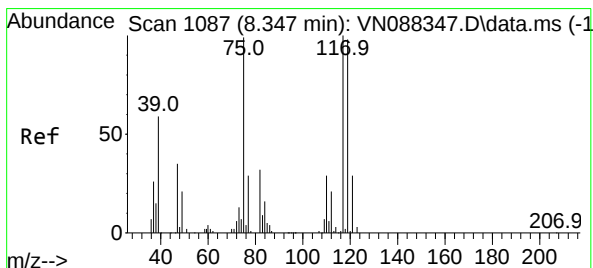
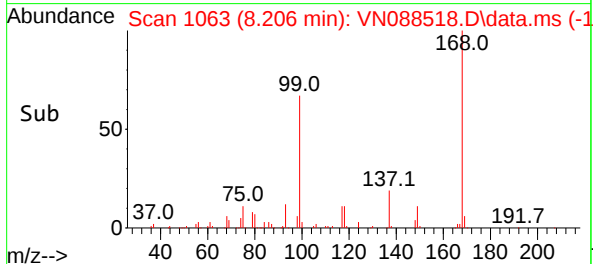
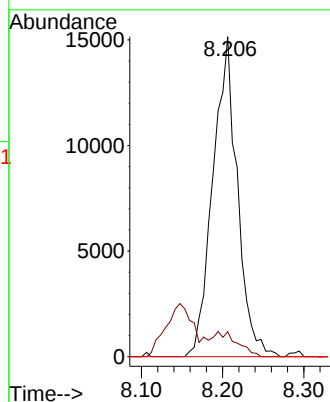
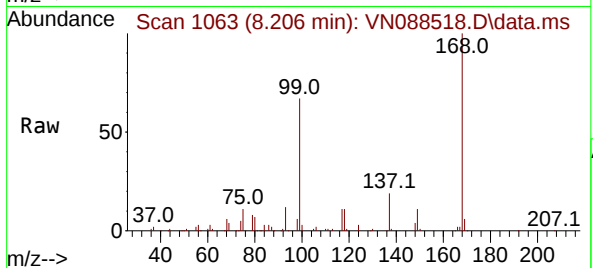
Tgt Ion: 75 Resp: 31726

Ion Ratio Lower Upper

75 100

110 7.7 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.510 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088518.D

Acq: 16 Dec 2025 11:24

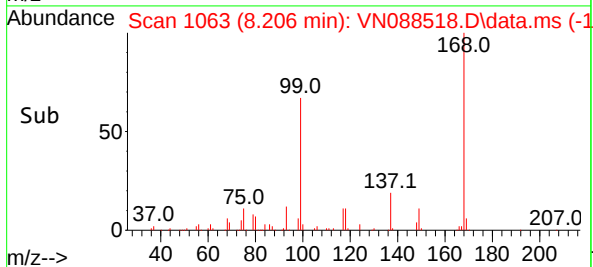
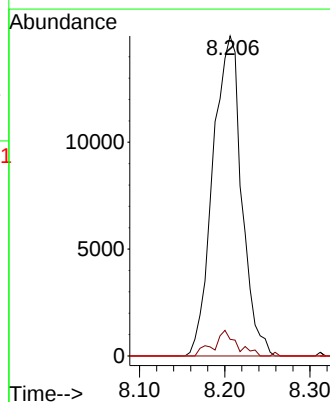
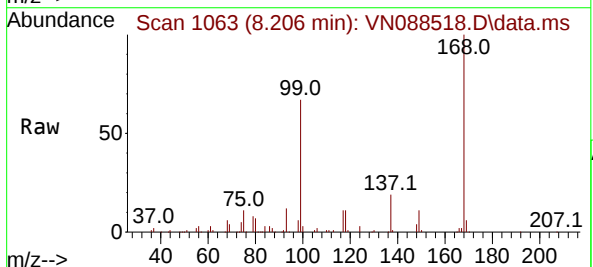
Tgt Ion: 117 Resp: 35211

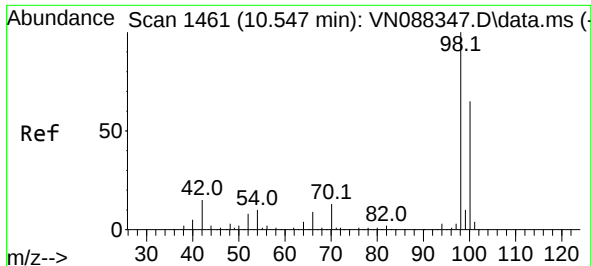
Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.4#

121 0.0 23.4 35.2#

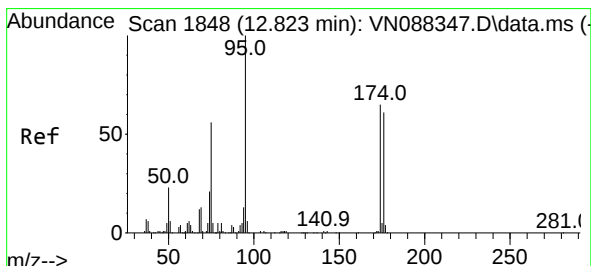
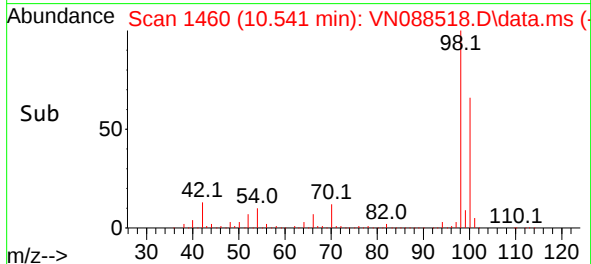
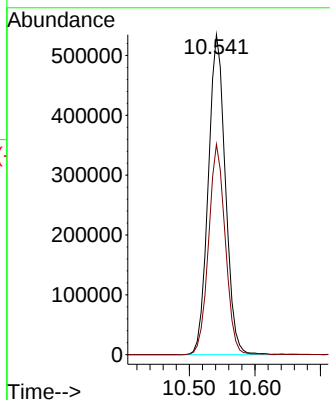
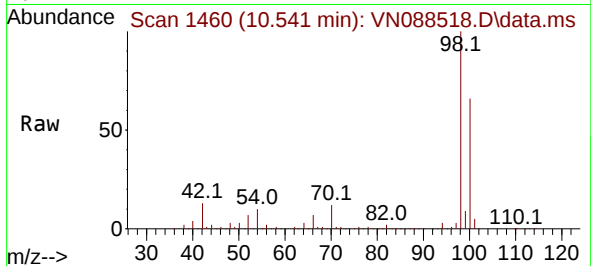




#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

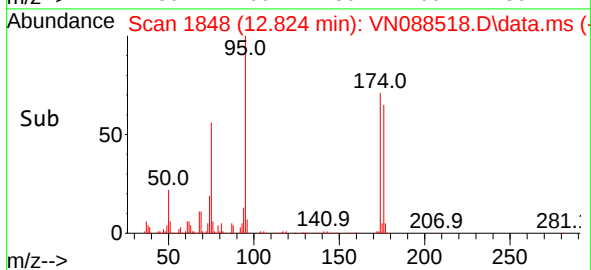
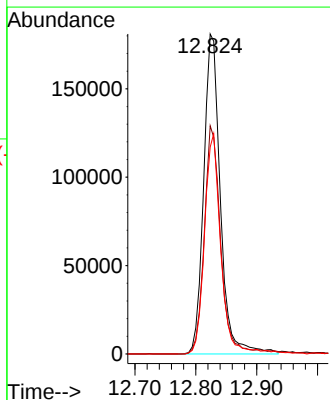
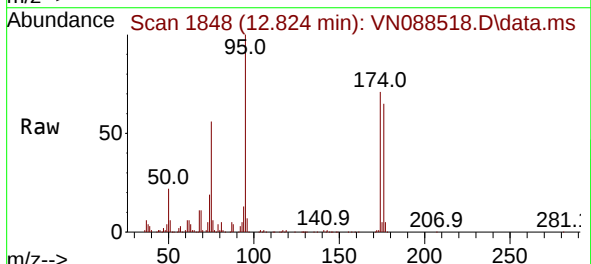
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

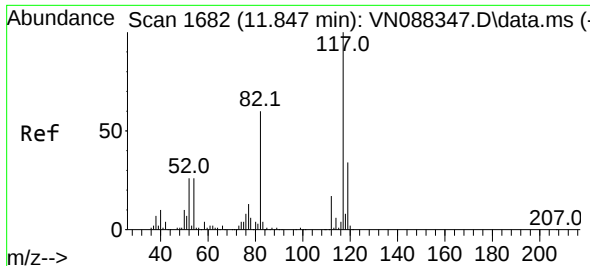
Tgt Ion: 98 Resp: 968922
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 53.122 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

Tgt Ion: 95 Resp: 344643
Ion Ratio Lower Upper
95 100
174 71.3 0.0 139.0
176 67.7 0.0 132.4

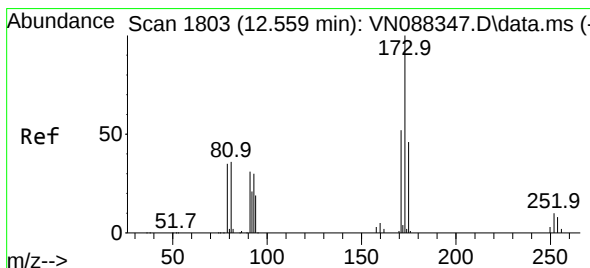
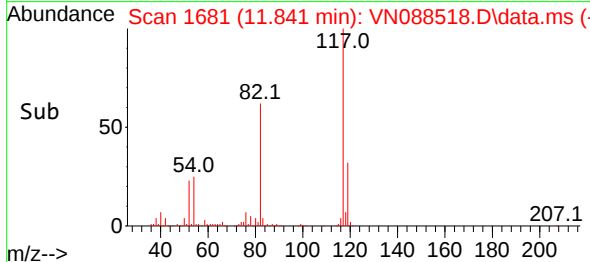
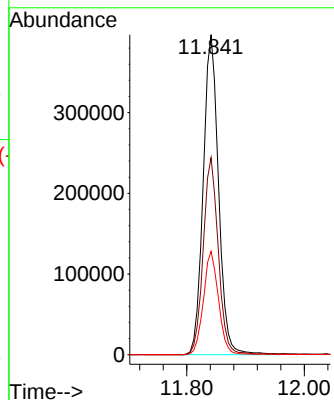
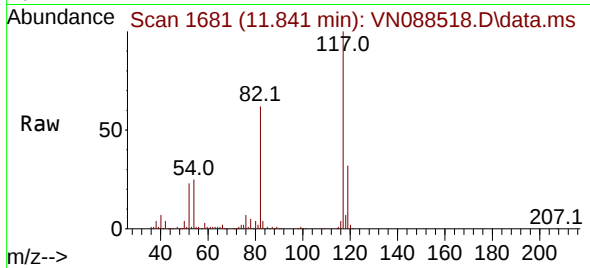




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

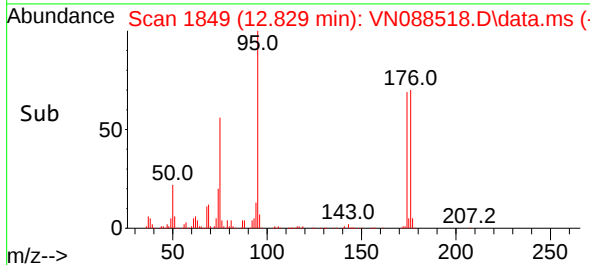
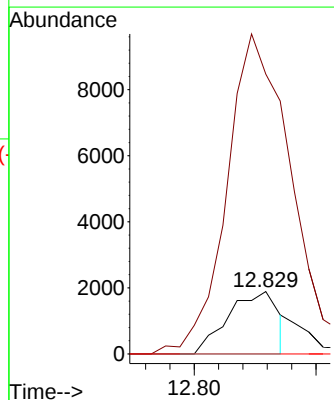
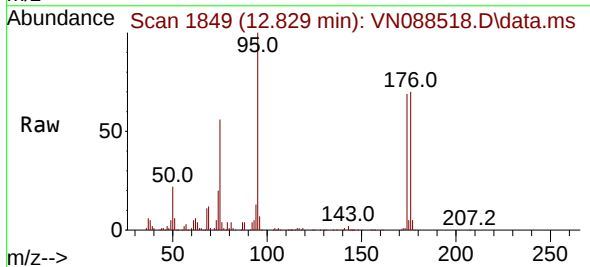
Instrument :
MSVOA_N
ClientSampleId :
VN1216MBL01

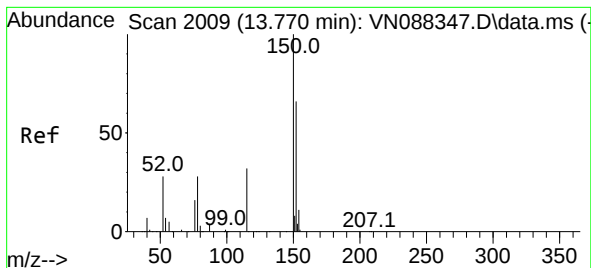
Tgt Ion:117 Resp: 721892
Ion Ratio Lower Upper
117 100
82 61.6 47.8 71.8
119 32.3 26.9 40.3



#71
Bromoform
Concen: 0.679 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN088518.D
Acq: 16 Dec 2025 11:24

Tgt Ion:173 Resp: 2718
Ion Ratio Lower Upper
173 100
175 527.8 23.9 71.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN088518.D

Acq: 16 Dec 2025 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN1216MBL01

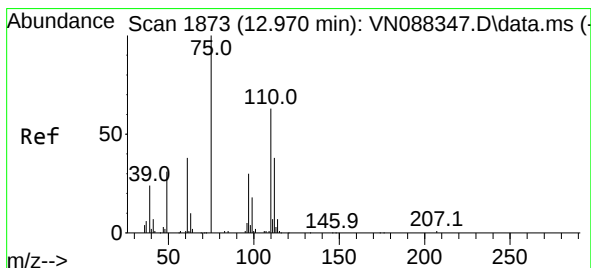
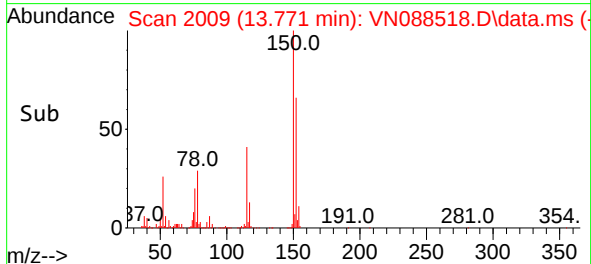
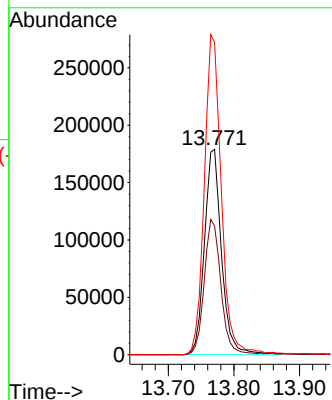
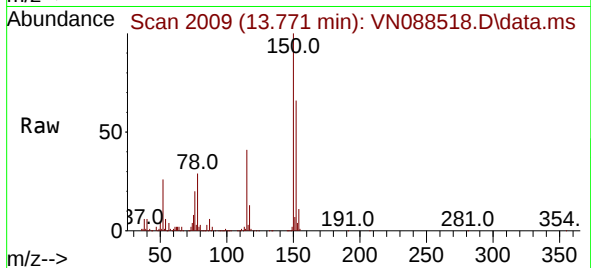
Tgt Ion:152 Resp: 325495

Ion Ratio Lower Upper

152 100

115 63.9 33.0 98.9

150 155.3 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 25.203 ug/l

RT: 12.824 min Scan# 1848

Delta R.T. -0.147 min

Lab File: VN088518.D

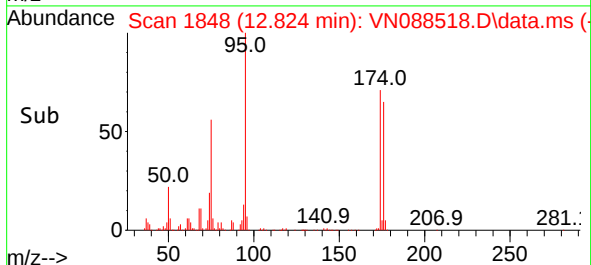
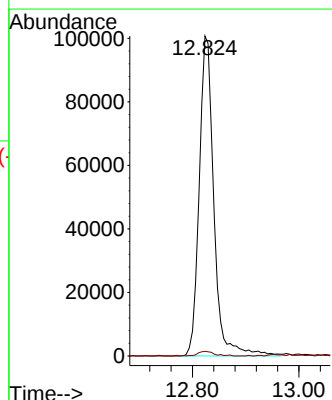
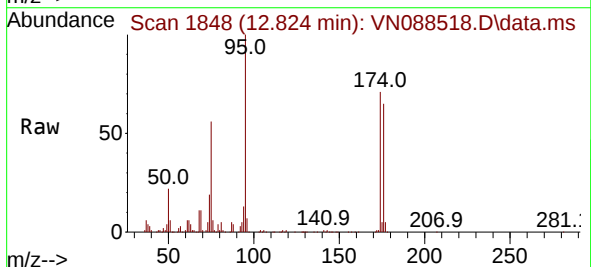
Acq: 16 Dec 2025 11:24

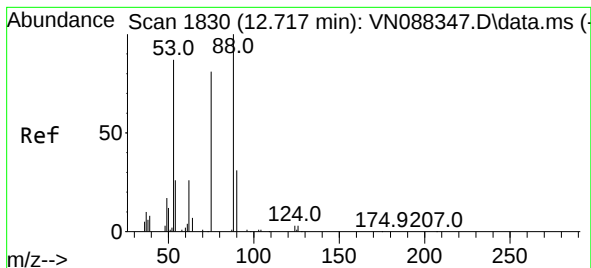
Tgt Ion: 75 Resp: 192138

Ion Ratio Lower Upper

75 100

77 1.6 87.2 261.6#

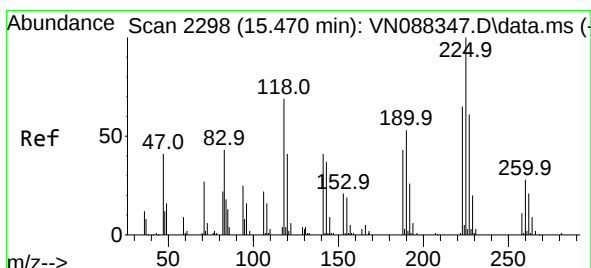
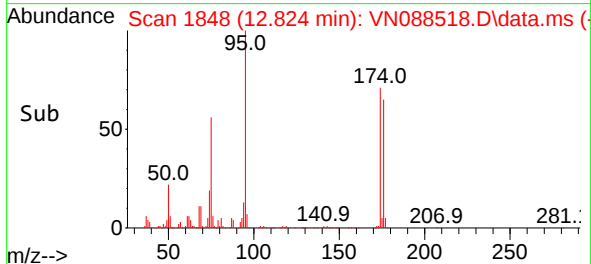
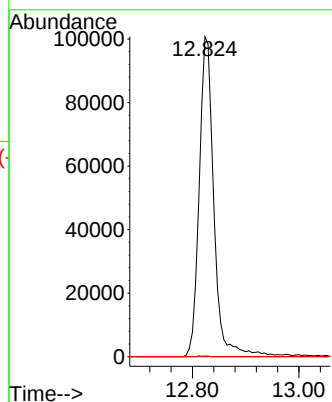
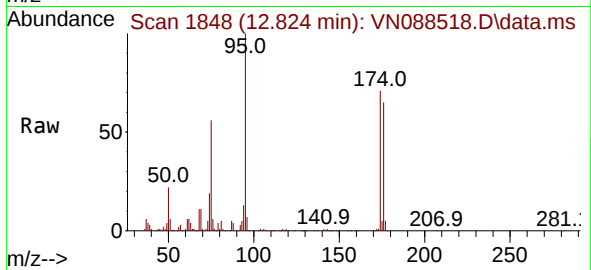




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.499 ug/l
 RT: 12.824 min Scan# 1848
 Delta R.T. 0.106 min
 Lab File: VN088518.D
 Acq: 16 Dec 2025 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216MBL01

Tgt Ion: 75 Resp: 192138
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.0 0.0 0.0



#94
 Hexachlorobutadiene
 Concen: 0.312 ug/l
 RT: 15.465 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VN088518.D
 Acq: 16 Dec 2025 11:24

Tgt Ion: 225 Resp: 673
 Ion Ratio Lower Upper
 225 100
 223 8.3 32.3 96.8#
 227 58.1 29.9 89.8

