

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087863.D
 Acq On : 16 Sep 2025 20:01
 Operator : JC\MD
 Sample : Q3087-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 01:30:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

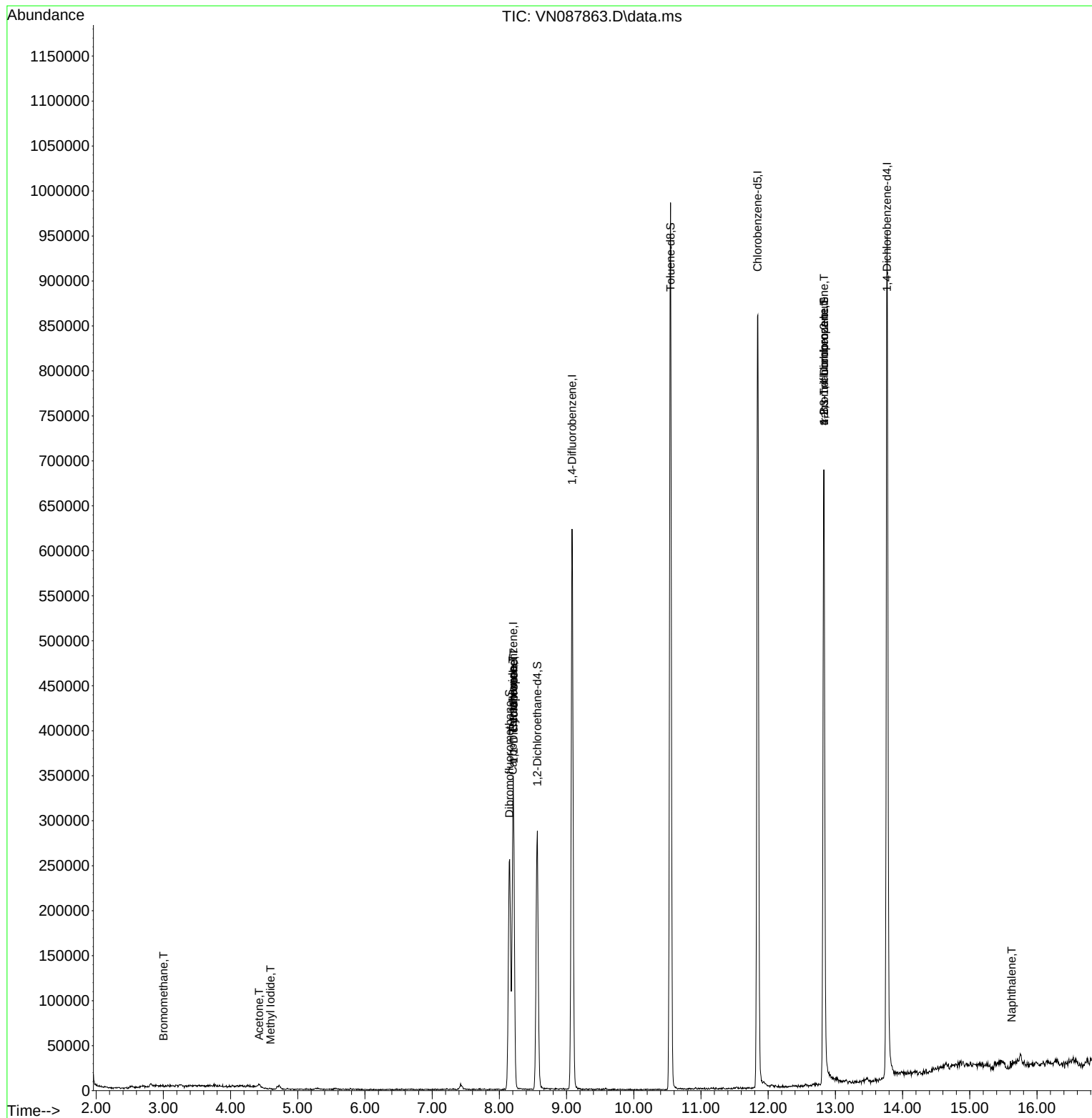
Internal Standards						
1) Pentafluorobenzene	8.206	168	236522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	523081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	508812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	261215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	233622	48.209	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.420%		
35) Dibromofluoromethane	8.147	113	184824	48.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.880%		
50) Toluene-d8	10.547	98	666821	47.174	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.340%		
62) 4-Bromofluorobenzene	12.829	95	248887	49.511	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.020%		
Target Compounds						Qvalue
5) Bromomethane	3.000	94	721	0.349	ug/l #	3
10) Methyl Iodide	4.594	142	211	6.884	ug/l #	38
16) Acetone	4.424	43	4374	1.658	ug/l #	80
20) Methylene Chloride	5.271	84	362	Below Cal	#	53
31) Cyclohexane	8.206	56	6660	1.093	ug/l #	4
36) 1,1-Dichloropropene	8.212	75	21742	3.753	ug/l #	52
38) Carbon Tetrachloride	8.200	117	25947	4.536	ug/l #	17
76) 1,2,3-Trichloropropane	12.829	75	137826	22.500	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	137826	59.566	ug/l #	1
95) Naphthalene	15.623	128	4140	0.209	ug/l #	82

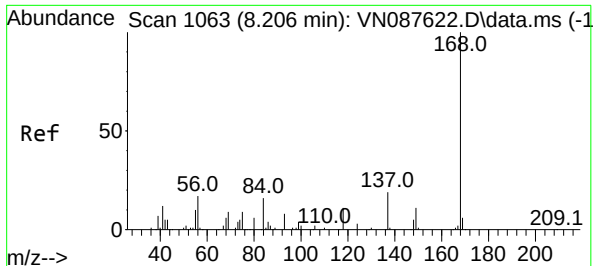
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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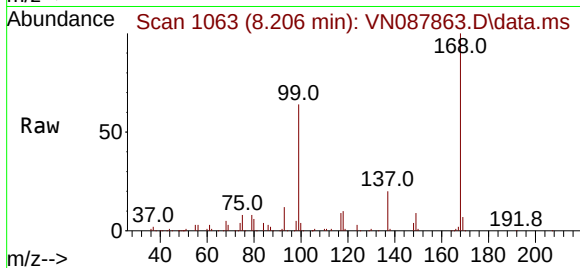
Quant Time: Sep 17 01:30:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



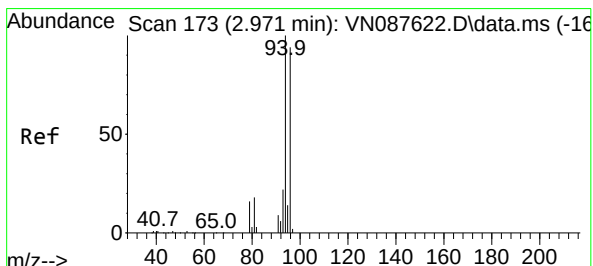
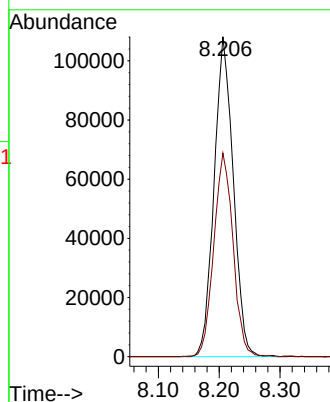
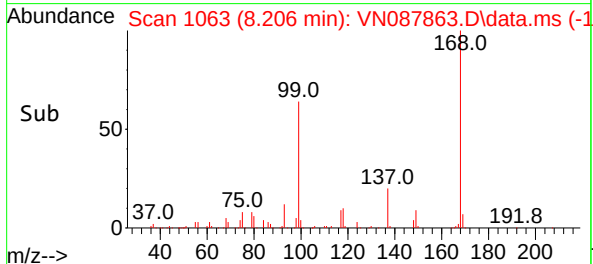


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

Instrument :
MSVOA_N
ClientSampleId :

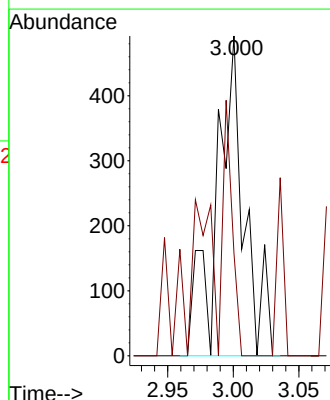
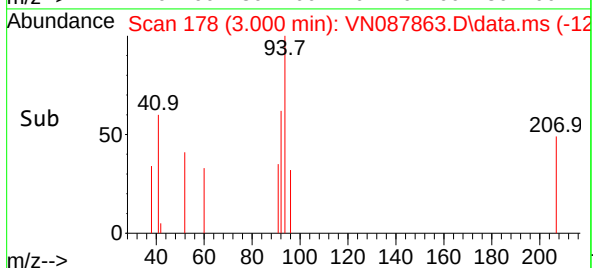
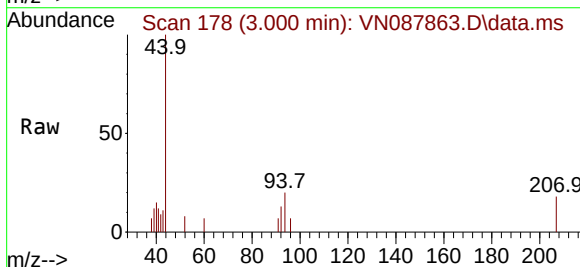


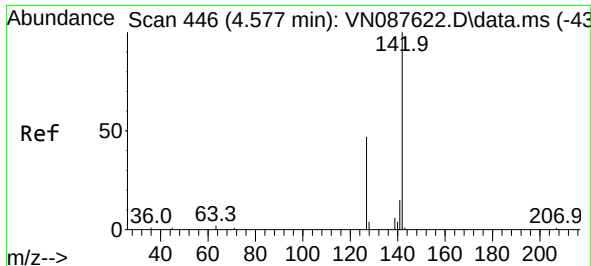
Tgt Ion:168 Resp: 236522
Ion Ratio Lower Upper
168 100
99 63.6 57.2 85.8



#5
Bromomethane
Concen: 0.349 ug/l
RT: 3.000 min Scan# 178
Delta R.T. 0.029 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

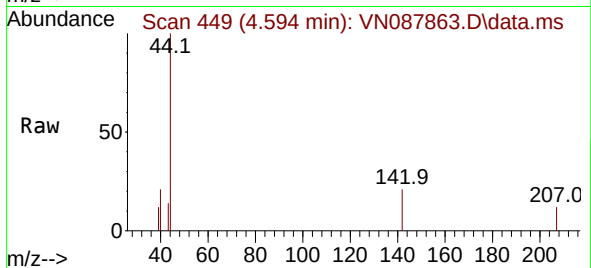
Tgt Ion: 94 Resp: 721
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.2#



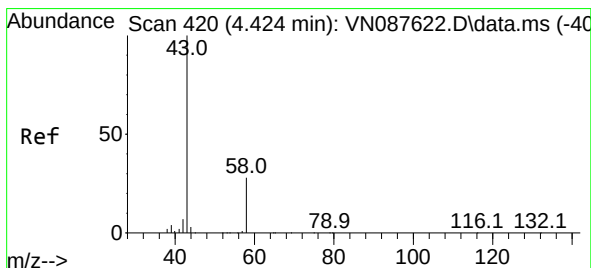
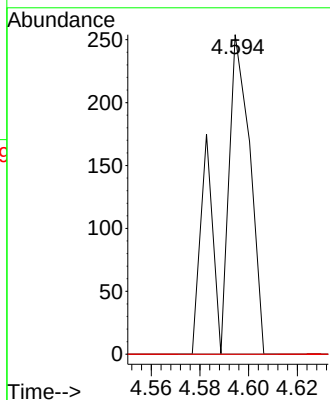
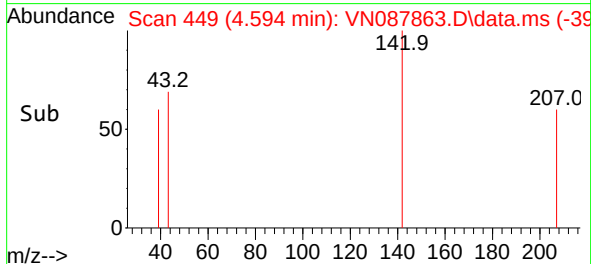


#10
Methyl Iodide
Concen: 6.884 ug/l
RT: 4.594 min Scan# 446
Delta R.T. 0.017 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

Instrument :
MSVOA_N
ClientSampleId :

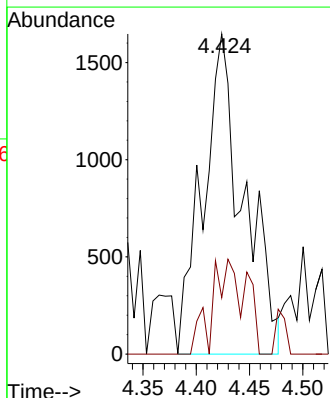
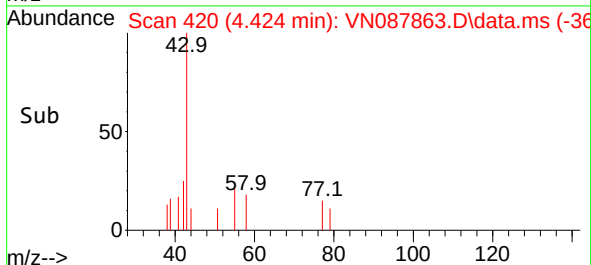
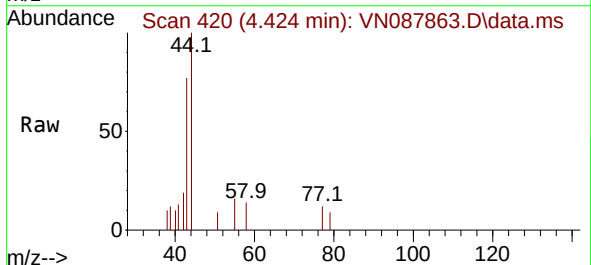


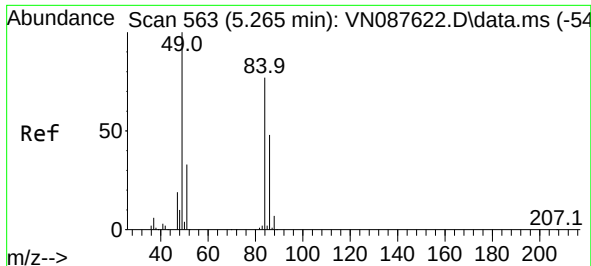
Tgt Ion:142 Resp: 211
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.658 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

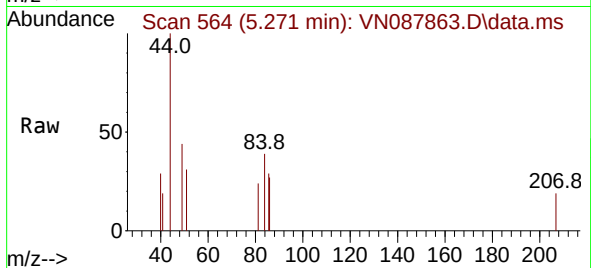
Tgt Ion: 43 Resp: 4374
Ion Ratio Lower Upper
43 100
58 17.6 22.6 33.8#



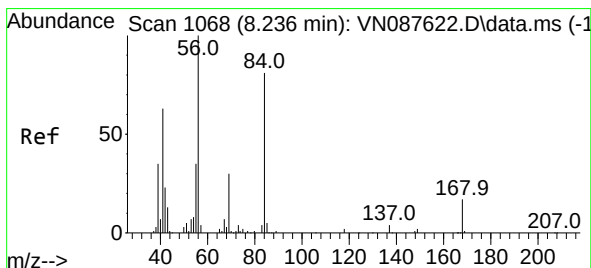
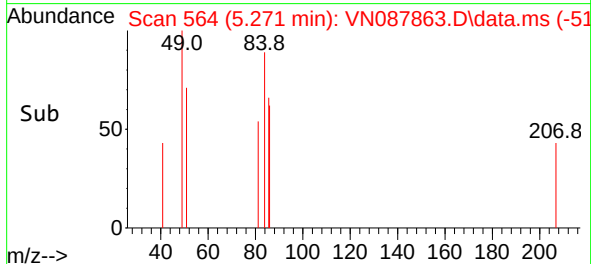
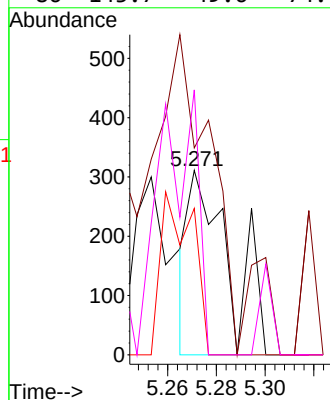


#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

Instrument :
MSVOA_N
ClientSampleId :

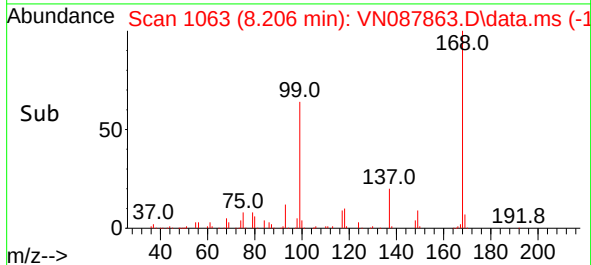
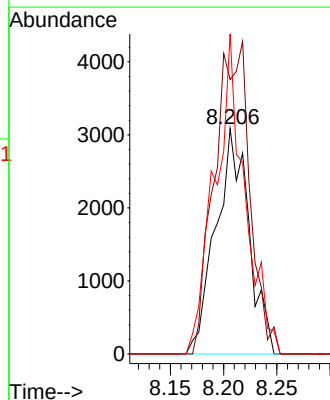
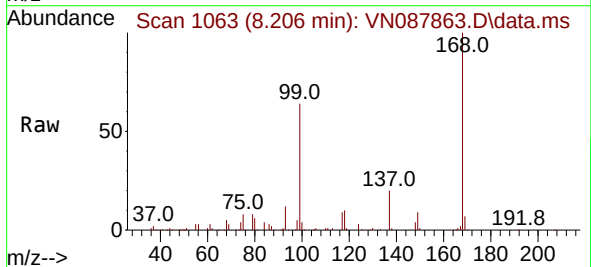


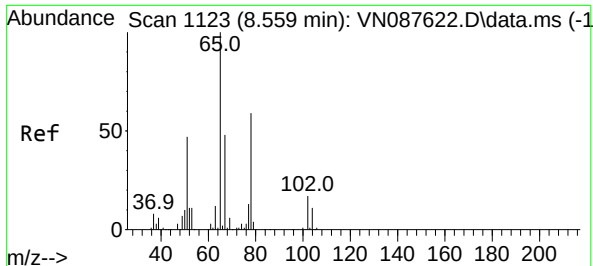
Tgt Ion: 84 Resp: 362
Ion Ratio Lower Upper
84 100
49 112.2 103.4 155.2
51 79.4 33.8 50.8#
86 143.7 49.6 74.4#



#31
Cyclohexane
Concen: 1.093 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

Tgt Ion: 56 Resp: 6660
Ion Ratio Lower Upper
56 100
69 121.7 23.7 35.5#
84 142.0 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 48.209 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087863.D

Acq: 16 Sep 2025 20:01

Instrument :

MSVOA_N

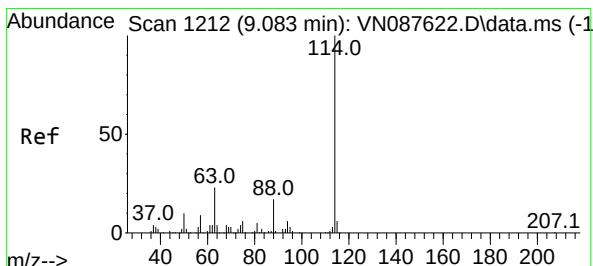
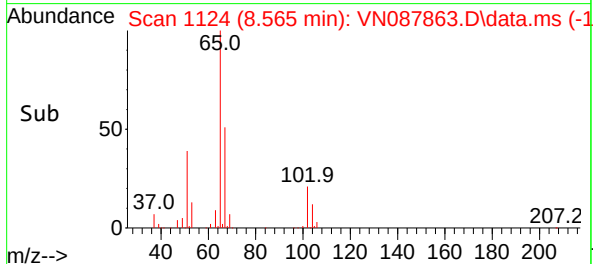
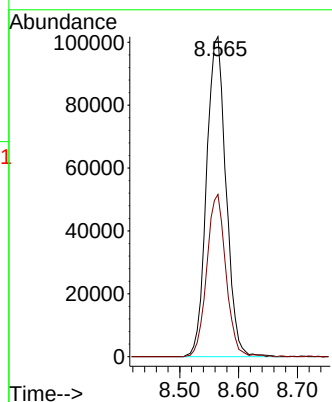
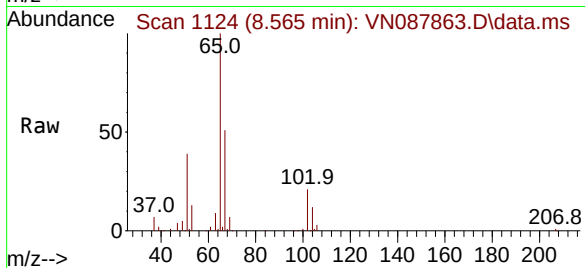
ClientSampleId :

Tgt Ion: 65 Resp: 233622

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087863.D

Acq: 16 Sep 2025 20:01

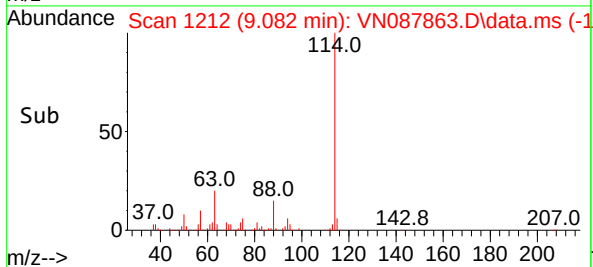
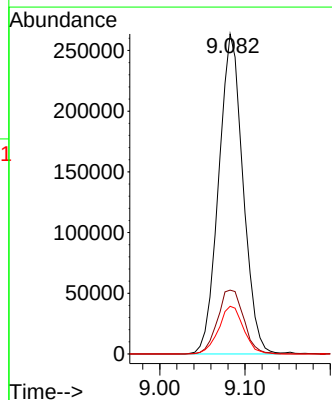
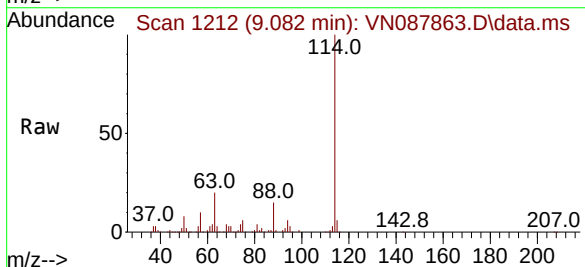
Tgt Ion: 114 Resp: 523081

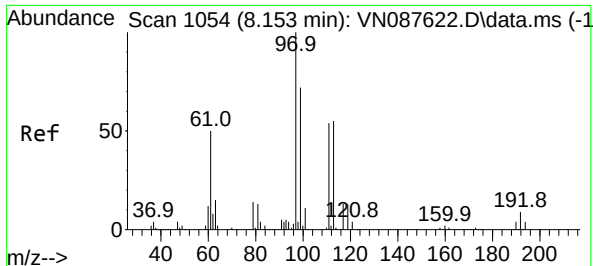
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.2

88 14.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.939 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087863.D

Acq: 16 Sep 2025 20:01

Instrument :

MSVOA_N

ClientSampleId :

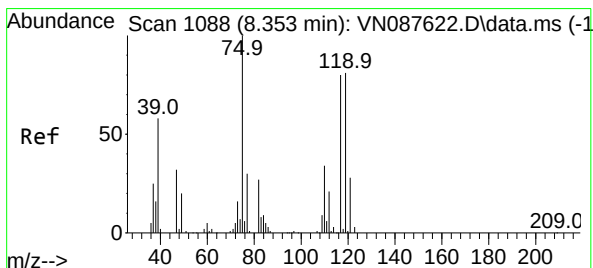
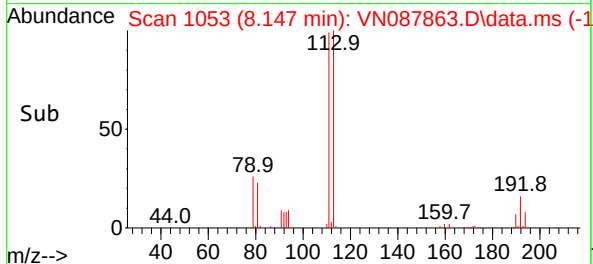
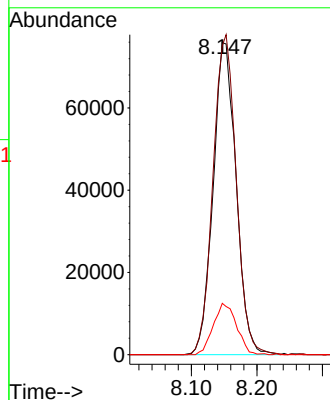
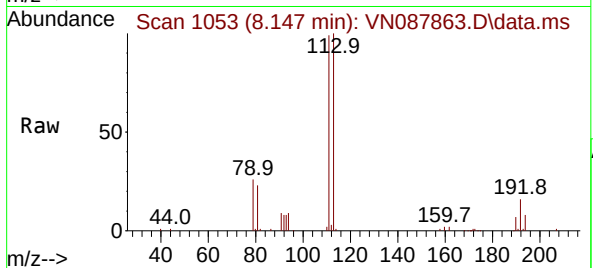
Tgt Ion:113 Resp: 184824

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 16.7 12.8 19.2



#36

1,1-Dichloropropene

Concen: 3.753 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087863.D

Acq: 16 Sep 2025 20:01

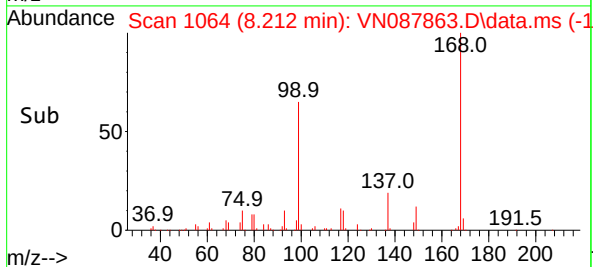
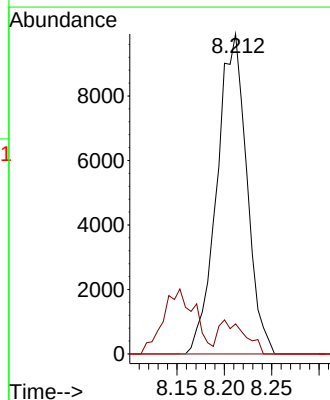
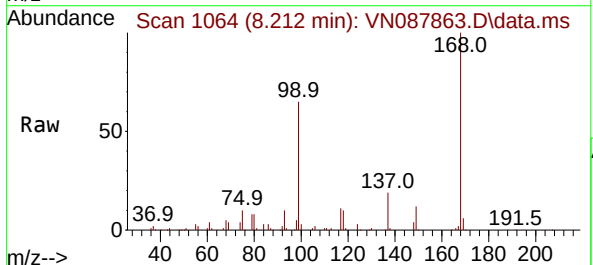
Tgt Ion: 75 Resp: 21742

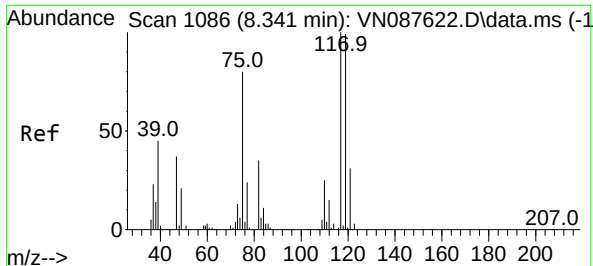
Ion Ratio Lower Upper

75 100

110 9.3 15.9 47.6#

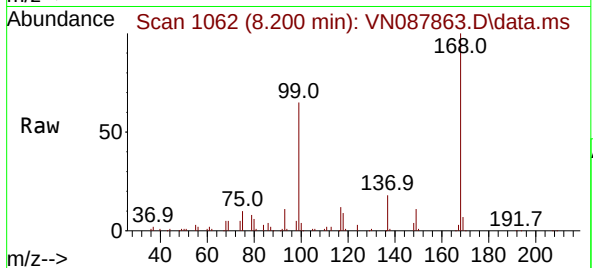
77 0.0 24.4 36.6#



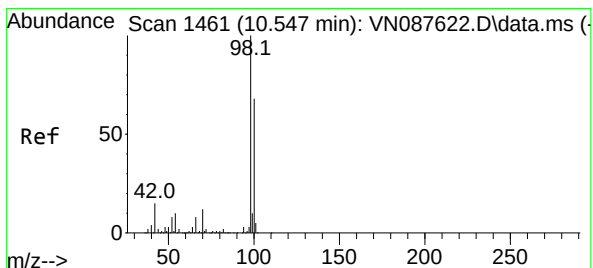
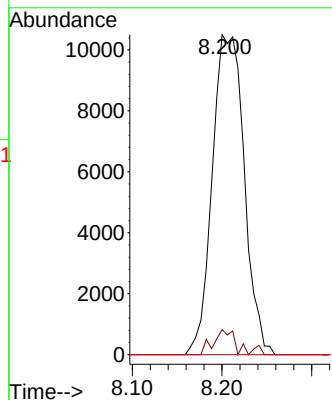
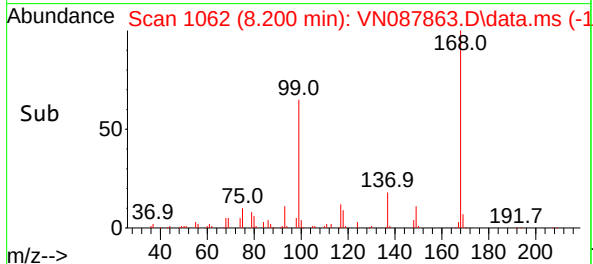


#38
Carbon Tetrachloride
Concen: 4.536 ug/l
RT: 8.200 min Scan# 1086
Delta R.T. -0.141 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

Instrument :
MSVOA_N
ClientSampleId :

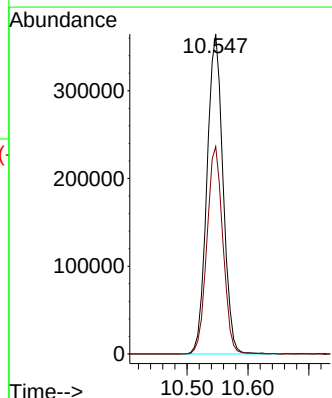
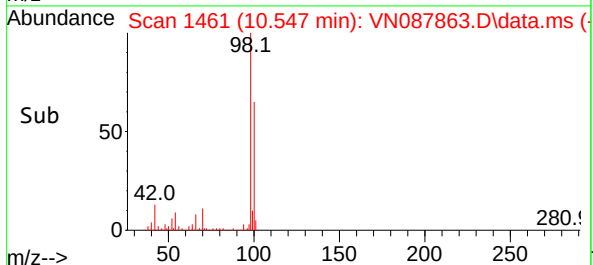
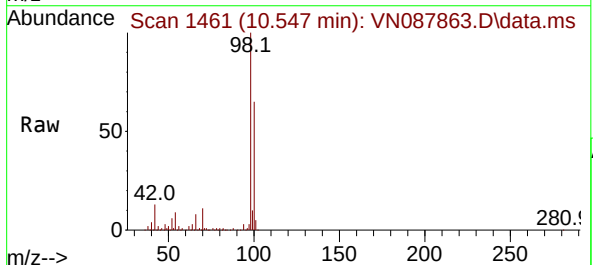


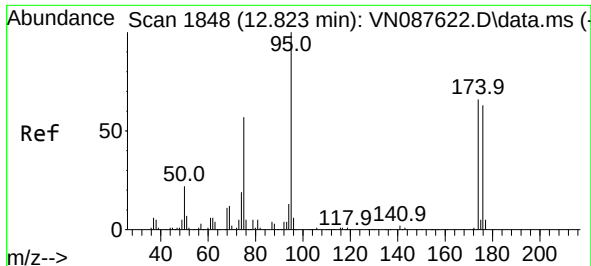
Tgt Ion:117 Resp: 25947
Ion Ratio Lower Upper
117 100
119 7.8 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 47.174 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

Tgt Ion: 98 Resp: 666821
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2

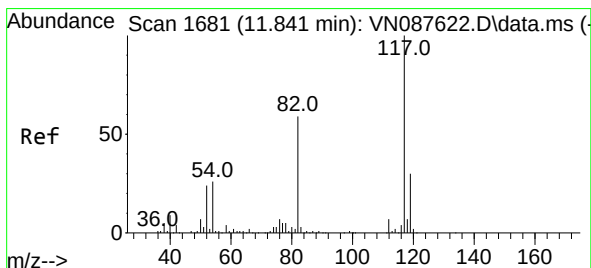
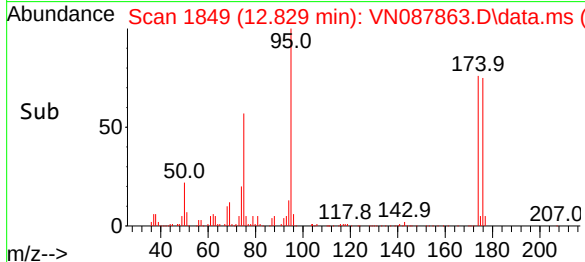
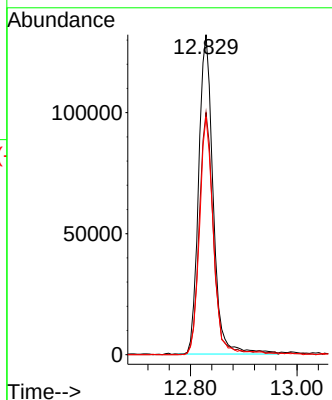
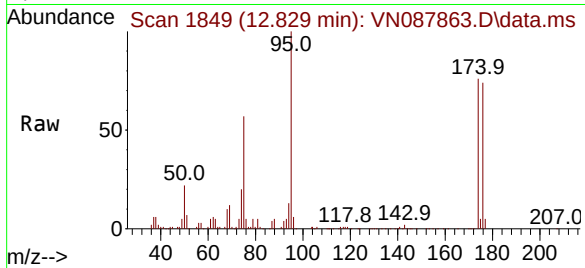




#62
4-Bromofluorobenzene
Concen: 49.511 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

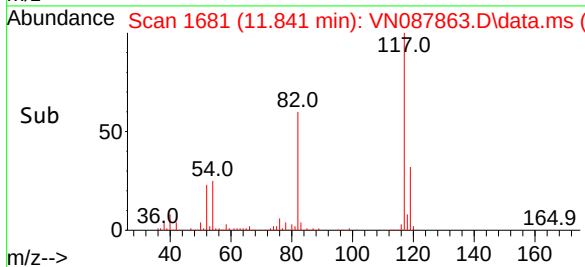
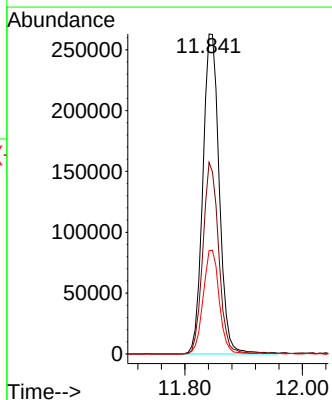
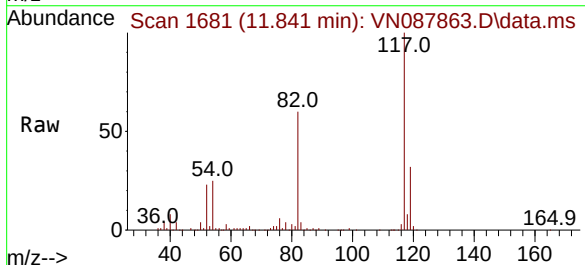
Instrument :
MSVOA_N
ClientSampleId :

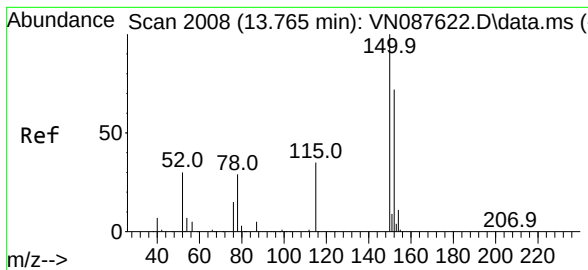
Tgt Ion: 95 Resp: 248887
Ion Ratio Lower Upper
95 100
174 73.7 0.0 138.4
176 72.1 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

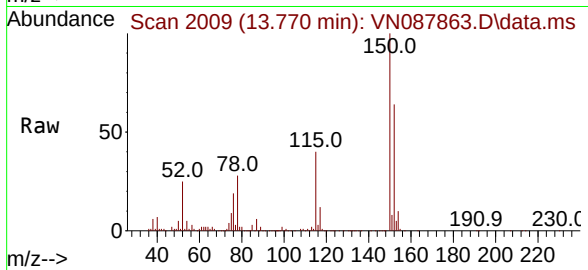
Tgt Ion: 117 Resp: 508812
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 32.3 24.3 36.5



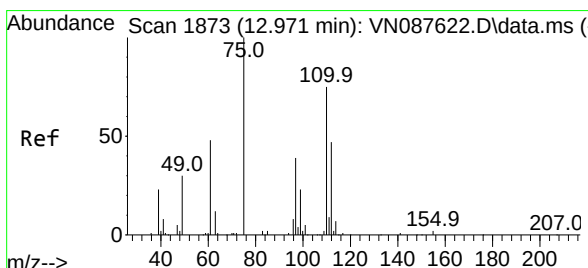
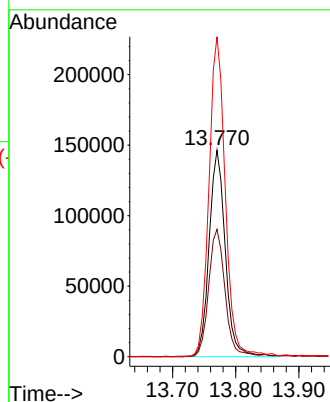
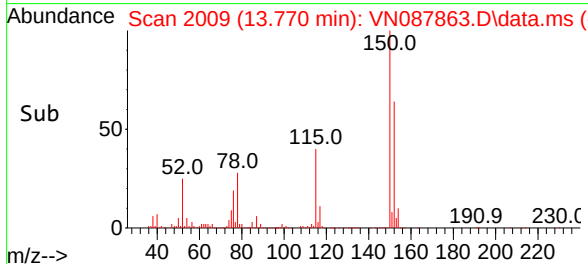


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN087863.D
 Acq: 16 Sep 2025 20:01

Instrument :
 MSVOA_N
 ClientSampleId :

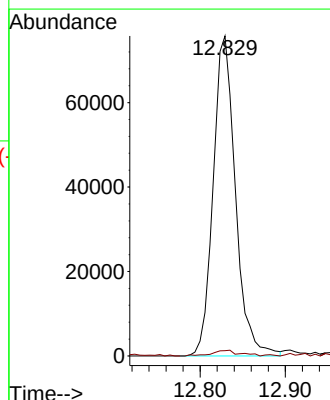
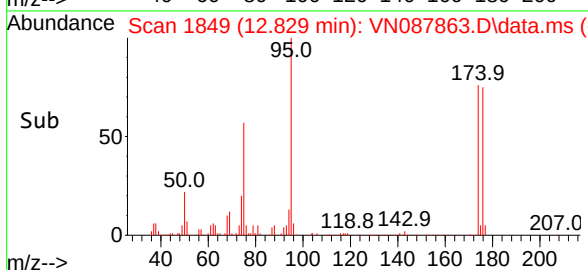
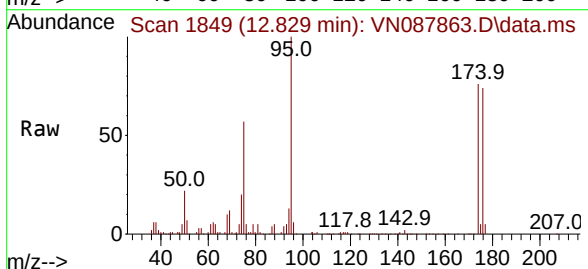


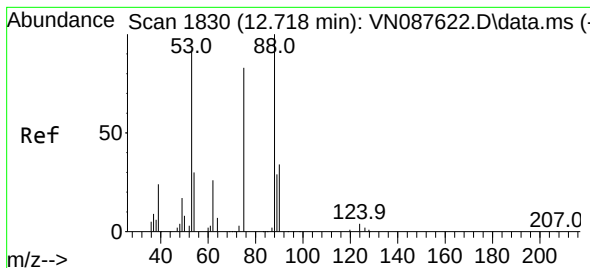
Tgt Ion:152 Resp: 261215
 Ion Ratio Lower Upper
 152 100
 115 63.2 32.3 96.8
 150 156.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 22.500 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087863.D
 Acq: 16 Sep 2025 20:01

Tgt Ion: 75 Resp: 137826
 Ion Ratio Lower Upper
 75 100
 77 1.8 89.1 267.4#

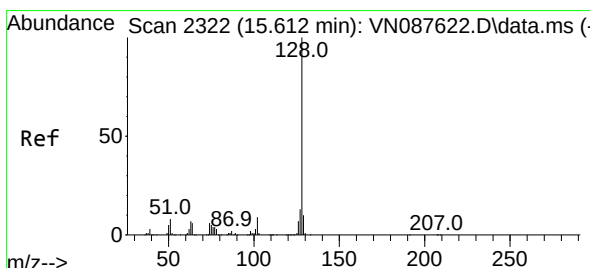
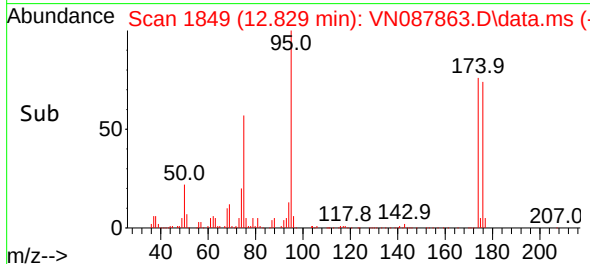
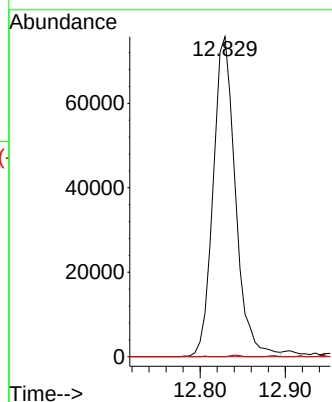
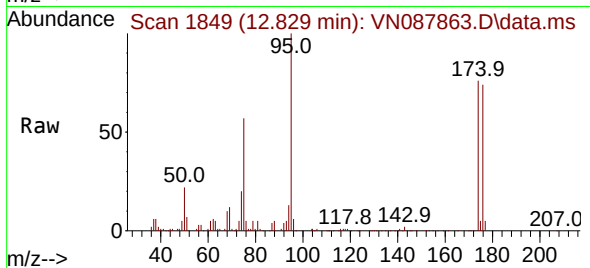




#81
trans-1,4-Dichloro-2-butene
Concen: 59.566 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 137826
Ion Ratio Lower Upper
75 100
53 0.2 101.8 152.6#
89 0.0 35.6 53.4#



#95
Naphthalene
Concen: 0.209 ug/l
RT: 15.623 min Scan# 2324
Delta R.T. 0.012 min
Lab File: VN087863.D
Acq: 16 Sep 2025 20:01

Tgt Ion:128 Resp: 4140
Ion Ratio Lower Upper
128 100
127 9.3 10.6 15.8#
129 0.0 8.6 12.8#

