

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087080.D
 Acq On : 18 Jun 2025 13:13
 Operator : JC\MD
 Sample : Q2299-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D2-20250609

Quant Time: Jun 19 01:27:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

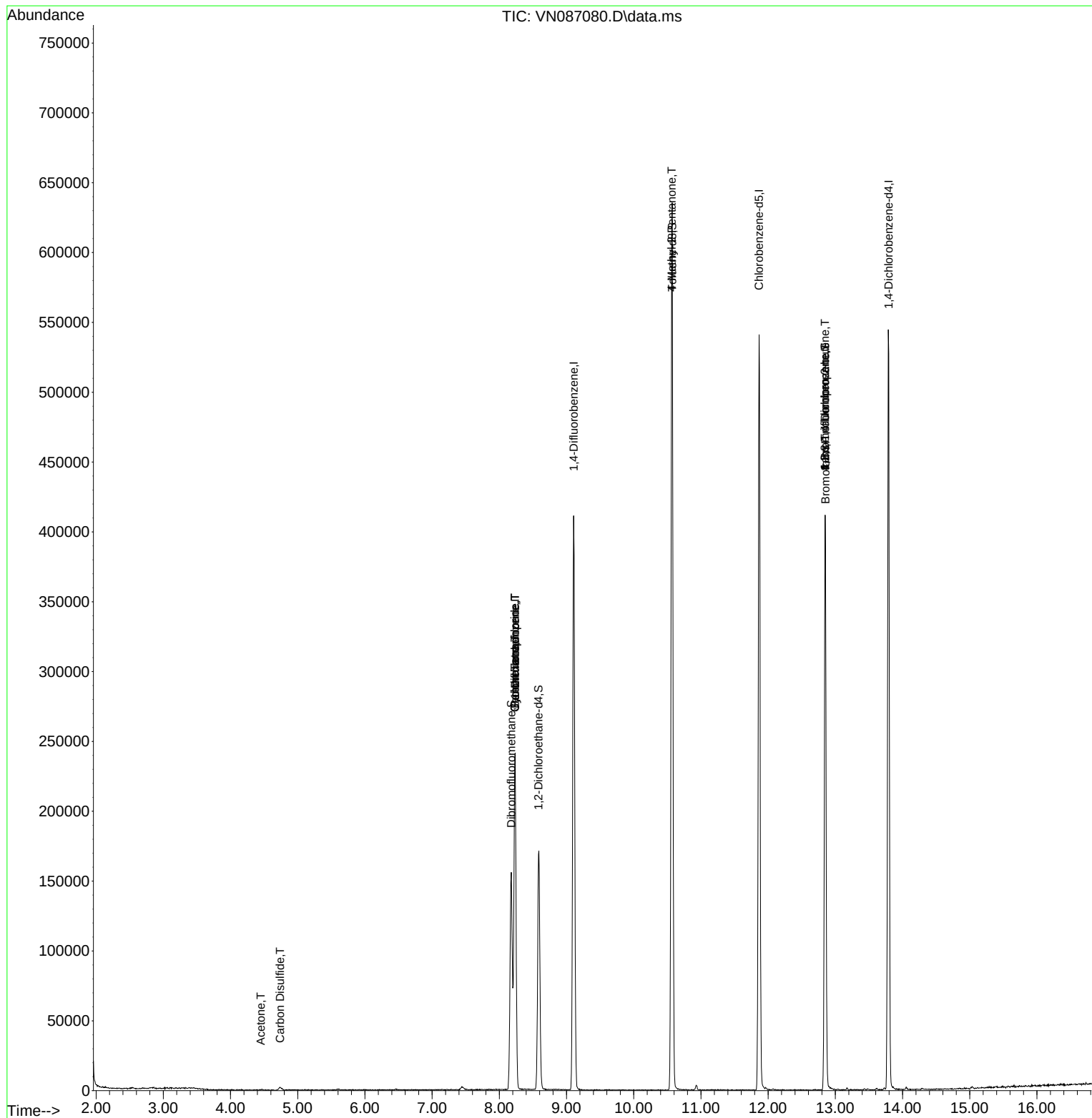
Internal Standards						
1) Pentafluorobenzene	8.236	168	190617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	387436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	350863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	162324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	141480	55.436	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.880%			
35) Dibromofluoromethane	8.177	113	120988	52.694	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.380%			
50) Toluene-d8	10.571	98	478912	52.689	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.380%			
62) 4-Bromofluorobenzene	12.847	95	167344	49.554	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.100%			
Target Compounds					Qvalue	
16) Acetone	4.448	43	561	0.415	ug/l #	40
17) Carbon Disulfide	4.736	76	1417	0.241	ug/l #	75
31) Cyclohexane	8.230	56	3471	0.839	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	14851	4.341	ug/l #	49
38) Carbon Tetrachloride	8.230	117	18682	5.562	ug/l #	18
51) 4-Methyl-2-Pentanone	10.565	43	1601	0.380	ug/l #	1
71) Bromoform	12.853	173	918	0.498	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77967	20.207	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77967	46.514	ug/l #	16

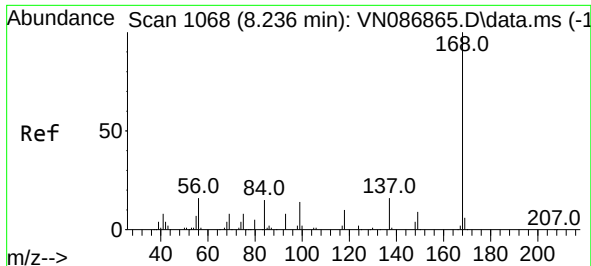
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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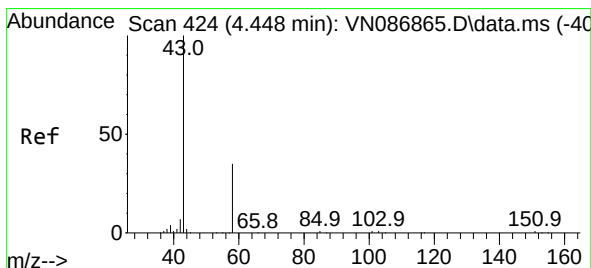
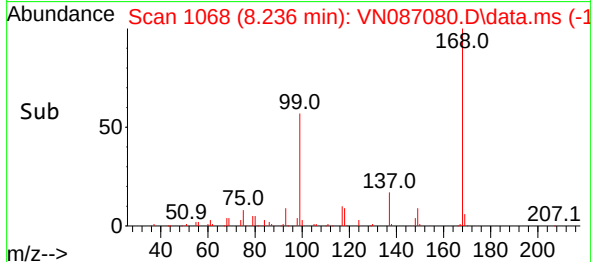
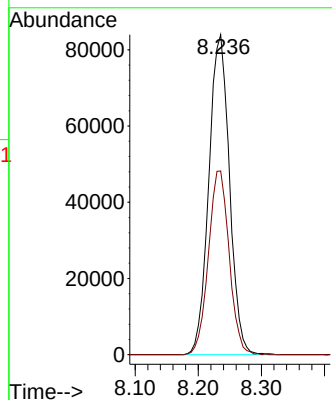
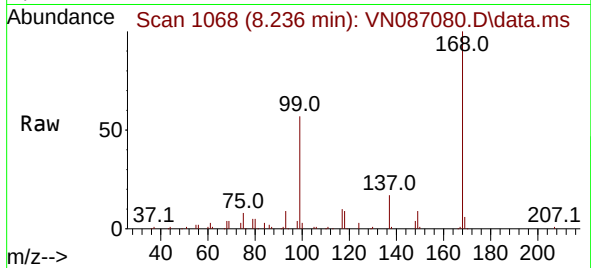




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

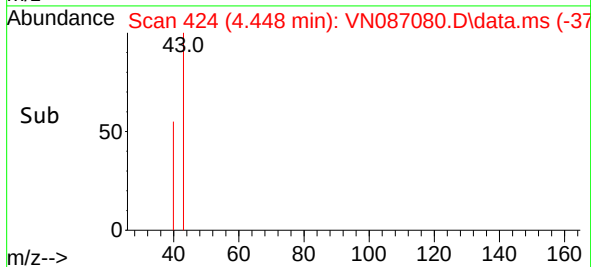
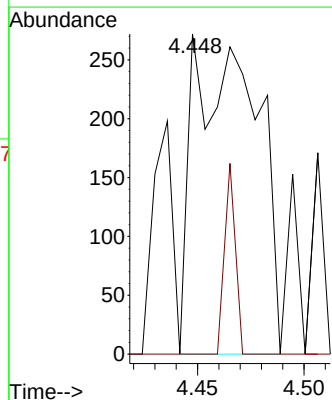
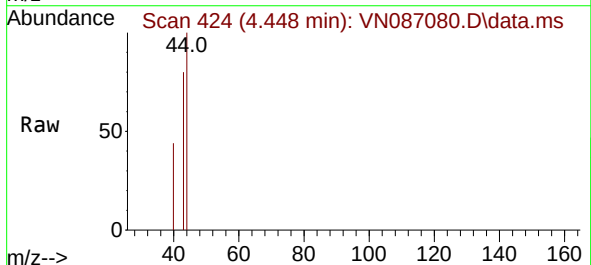
Instrument :
MSVOA_N
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RE117D2-20250609

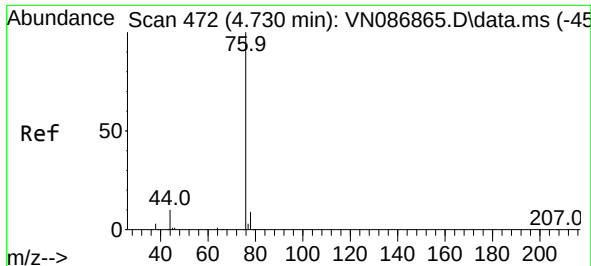
Tgt Ion:168 Resp: 190617
Ion Ratio Lower Upper
168 100
99 57.4 49.1 73.7



#16
Acetone
Concen: 0.415 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.000 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

Tgt Ion: 43 Resp: 561
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

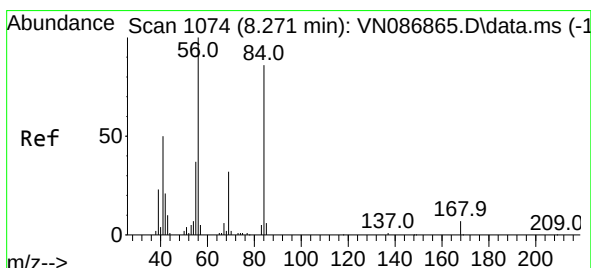
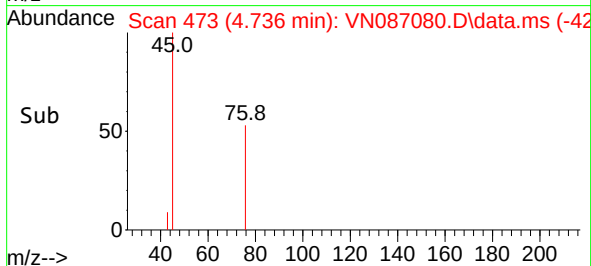
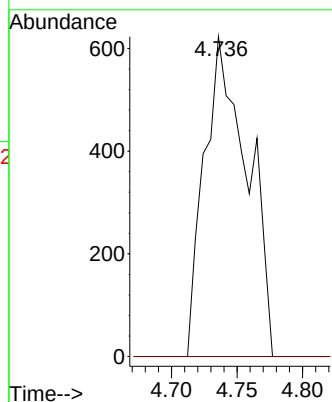
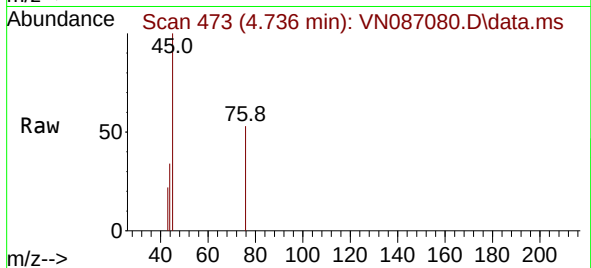




#17
Carbon Disulfide
Concen: 0.241 ug/l
RT: 4.736 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

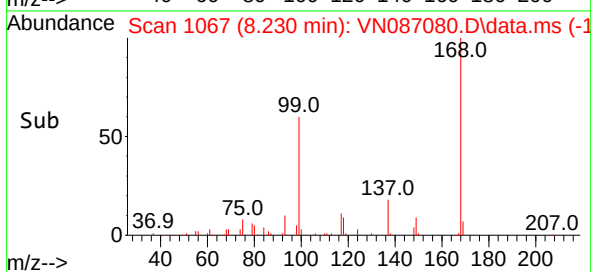
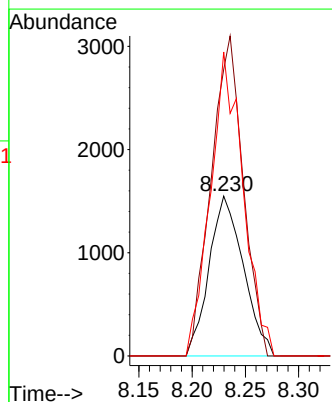
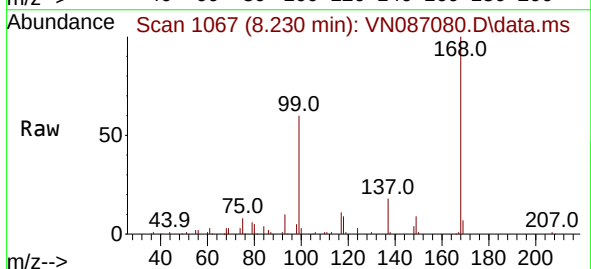
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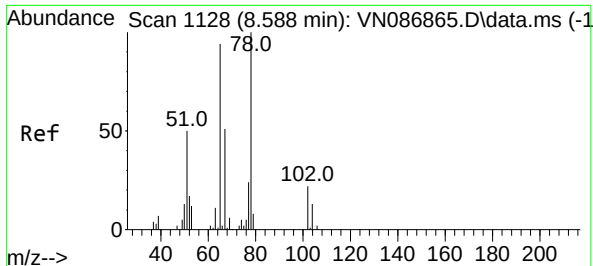
Tgt Ion: 76 Resp: 1417
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#31
Cyclohexane
Concen: 0.839 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

Tgt Ion: 56 Resp: 3471
Ion Ratio Lower Upper
56 100
69 179.3 25.4 38.0#
84 190.2 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 55.436 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087080.D

Acq: 18 Jun 2025 13:13

Instrument :

MSVOA_N

ClientSampleId :

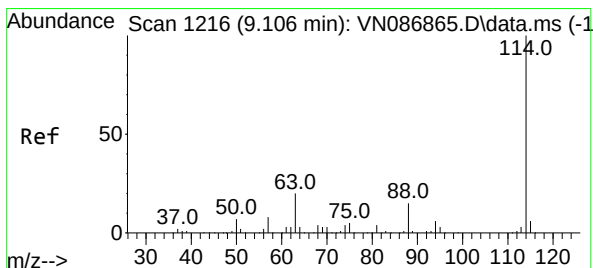
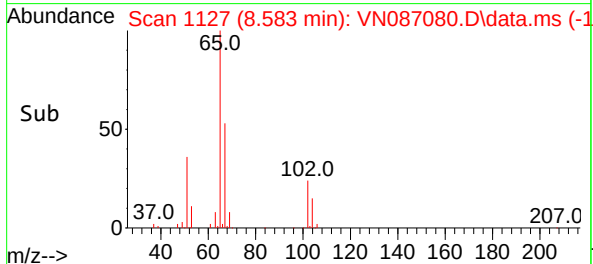
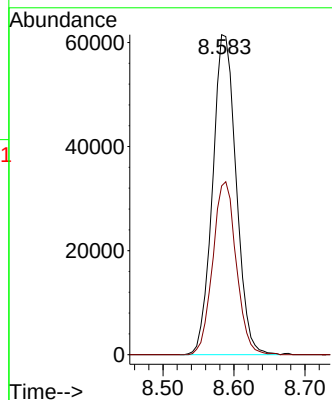
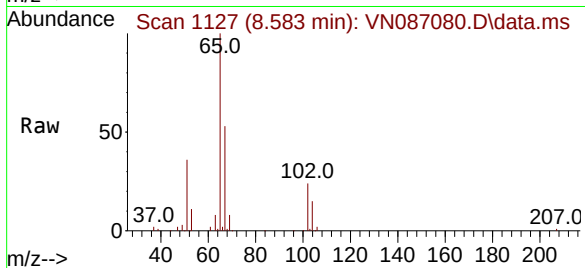
RE117D2-20250609

Tgt Ion: 65 Resp: 141480

Ion Ratio Lower Upper

65 100

67 53.9 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087080.D

Acq: 18 Jun 2025 13:13

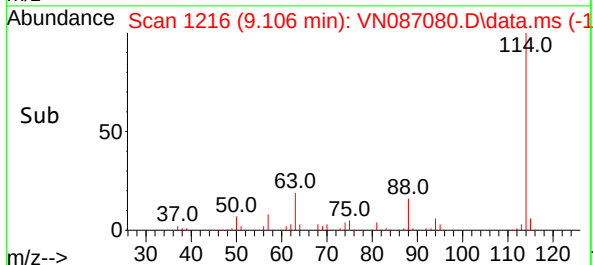
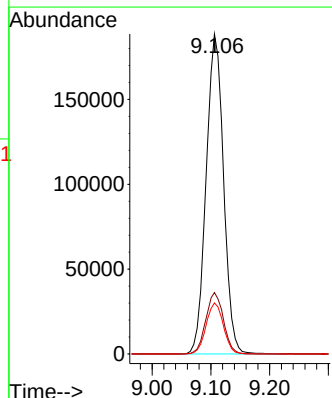
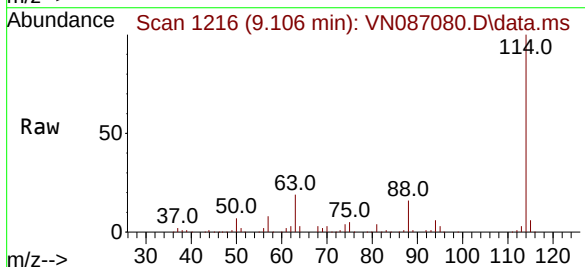
Tgt Ion: 114 Resp: 387436

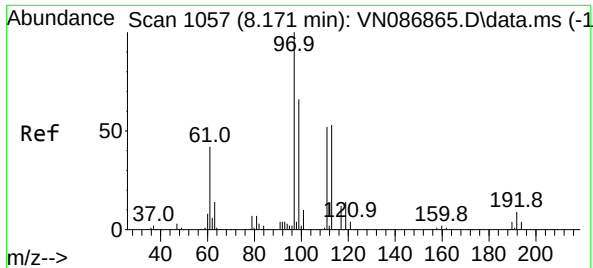
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 16.0 0.0 30.2

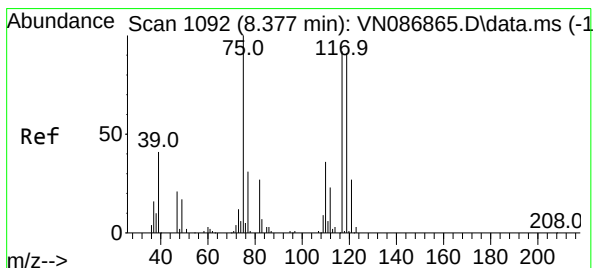
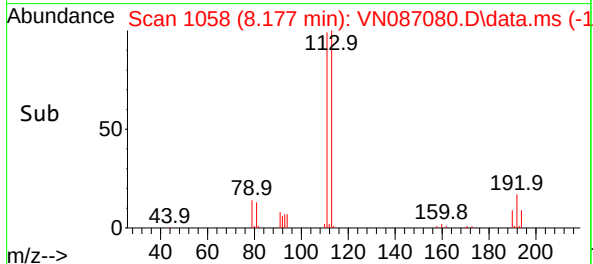
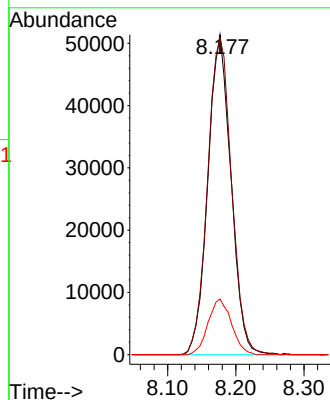
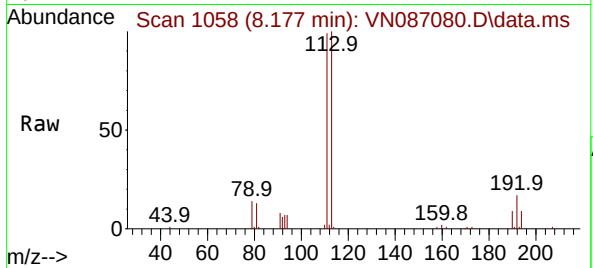




#35
Dibromofluoromethane
Concen: 52.694 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

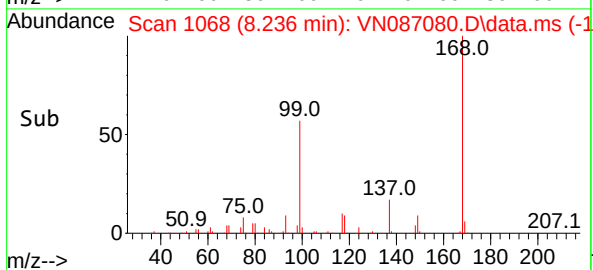
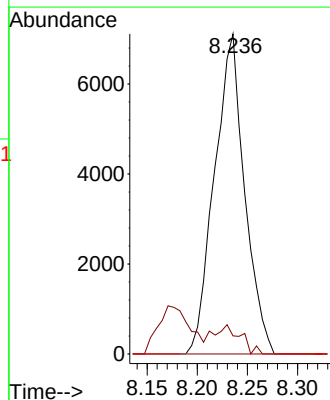
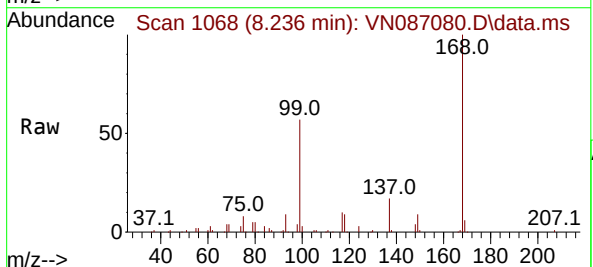
Instrument :
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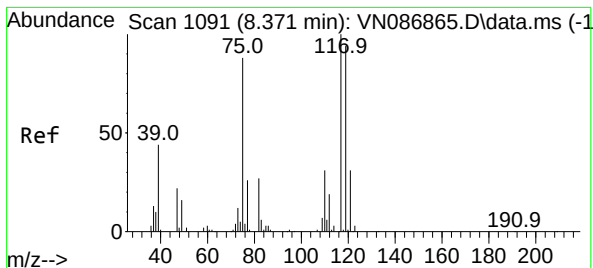
Tgt Ion:113 Resp: 120988
Ion Ratio Lower Upper
113 100
111 103.1 84.2 126.2
192 17.6 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.341 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

Tgt Ion: 75 Resp: 14851
Ion Ratio Lower Upper
75 100
110 8.3 17.6 52.9#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.562 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087080.D

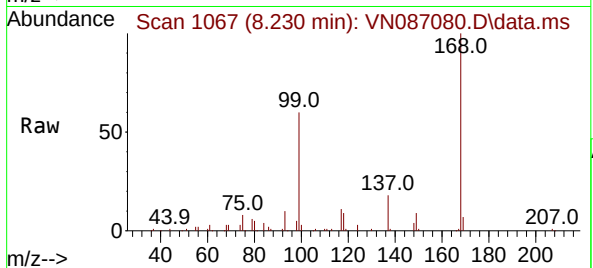
Acq: 18 Jun 2025 13:13

Instrument :

MSVOA_N

ClientSampleId :

RE117D2-20250609



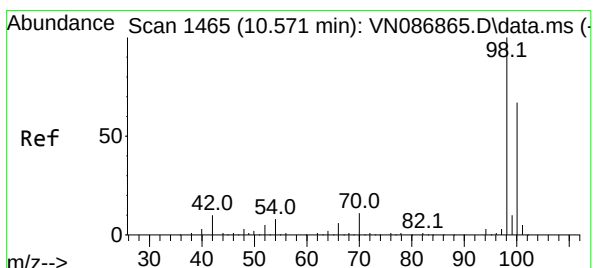
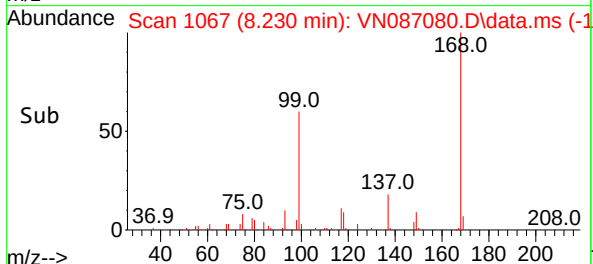
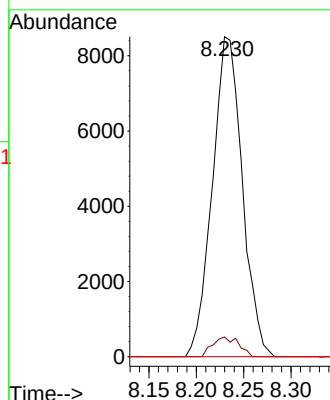
Tgt Ion:117 Resp: 18682

Ion Ratio Lower Upper

117 100

119 6.1 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 52.689 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN087080.D

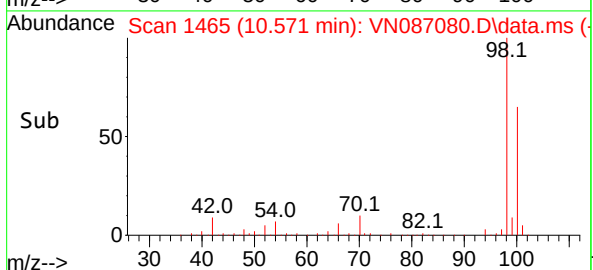
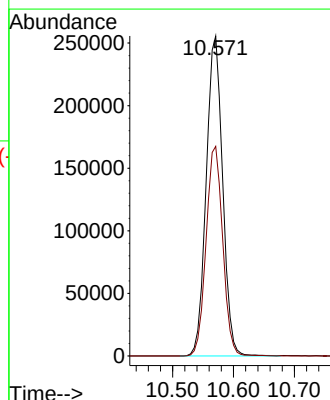
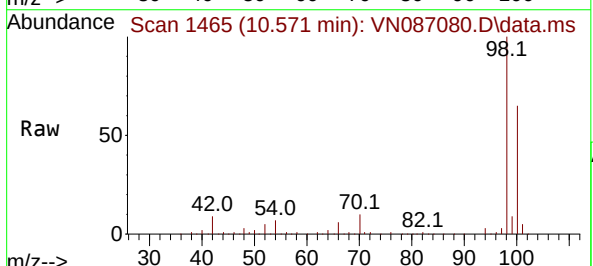
Acq: 18 Jun 2025 13:13

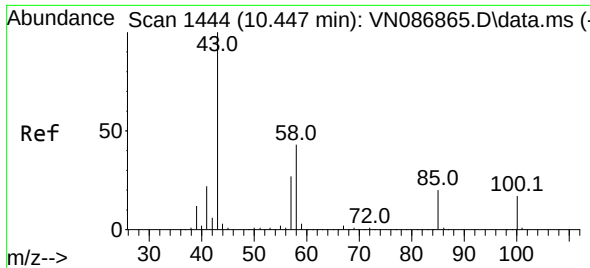
Tgt Ion: 98 Resp: 478912

Ion Ratio Lower Upper

98 100

100 66.3 53.4 80.0

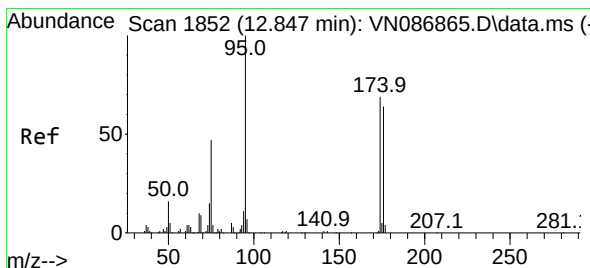
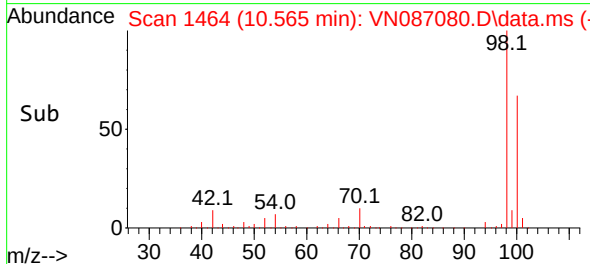
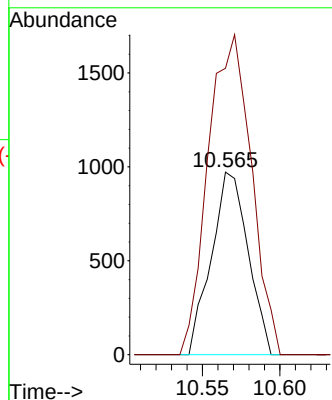
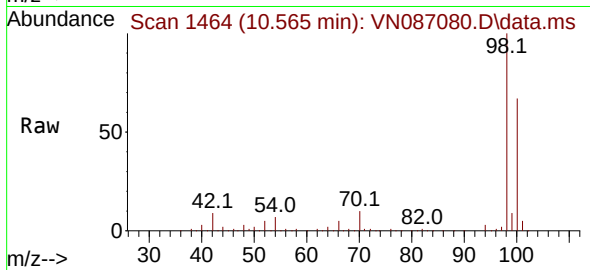




#51
4-Methyl-2-Pentanone
Concen: 0.380 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

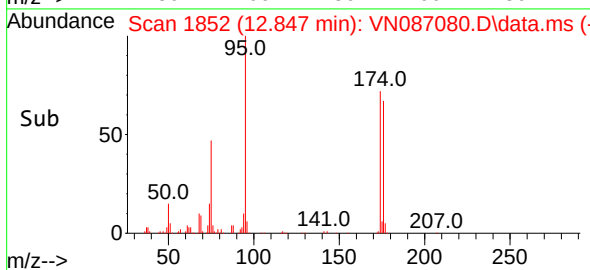
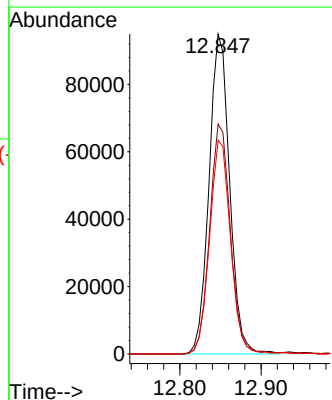
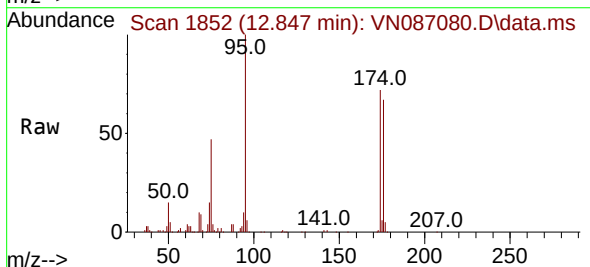
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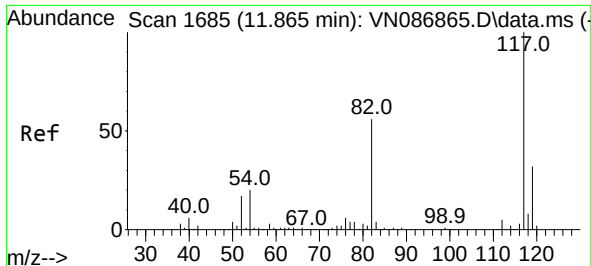
Tgt Ion: 43 Resp: 1601
Ion Ratio Lower Upper
43 100
58 206.2 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 49.554 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

Tgt Ion: 95 Resp: 167344
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.8
176 67.8 0.0 132.6

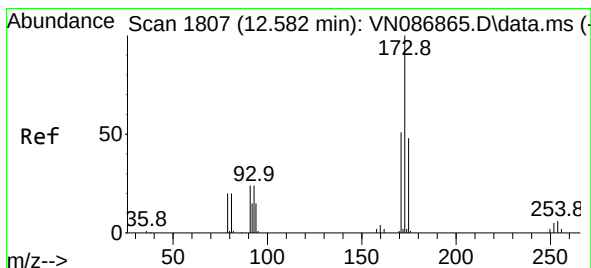
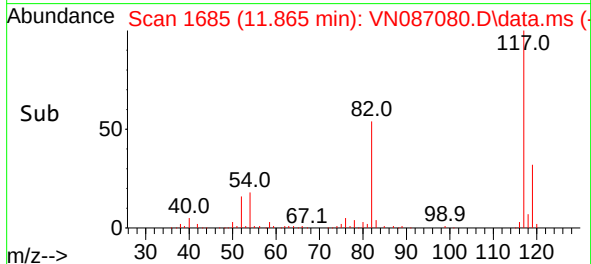
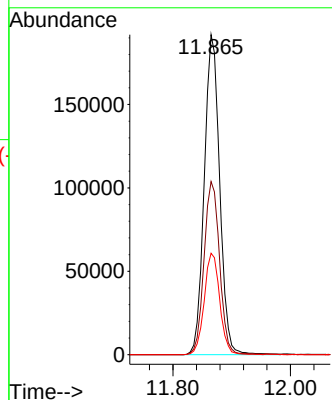
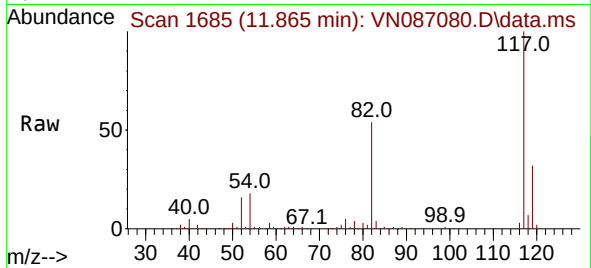




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

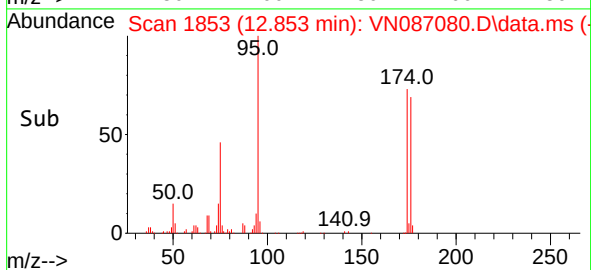
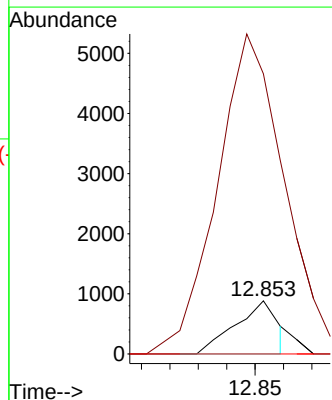
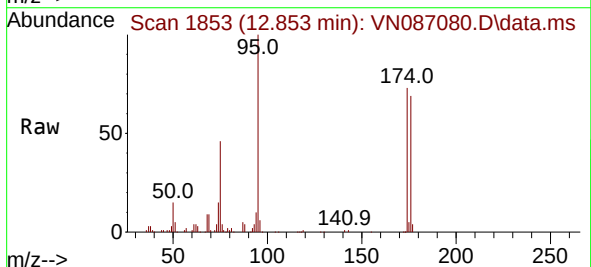
Instrument :
MSVOA_N
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RE117D2-20250609

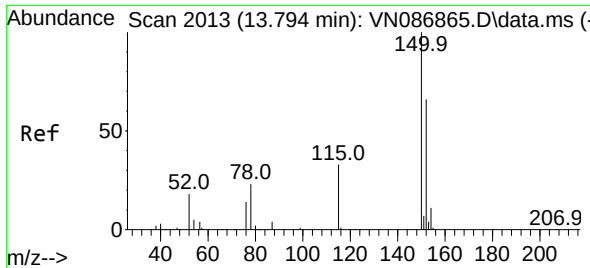
Tgt Ion:117 Resp: 350863
Ion Ratio Lower Upper
117 100
82 54.1 44.6 67.0
119 31.7 25.5 38.3



#71
Bromoform
Concen: 0.498 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

Tgt Ion:173 Resp: 918
Ion Ratio Lower Upper
173 100
175 829.1 24.1 72.4#
254 0.0 0.0 0.0

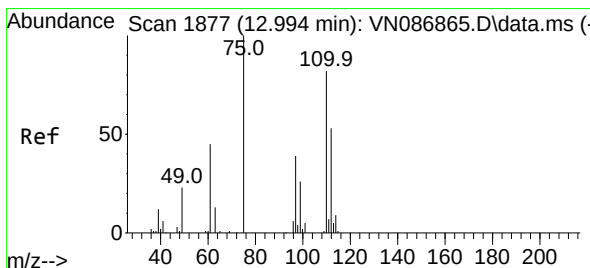
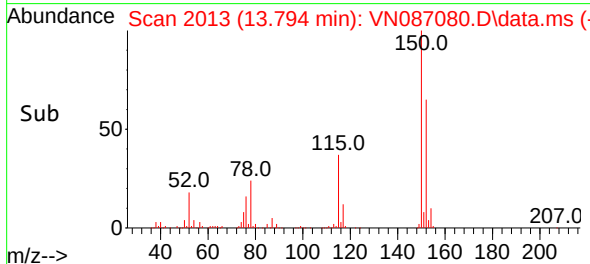
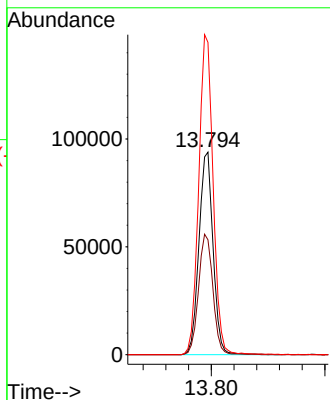
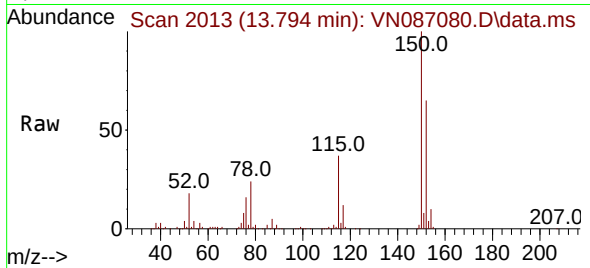




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

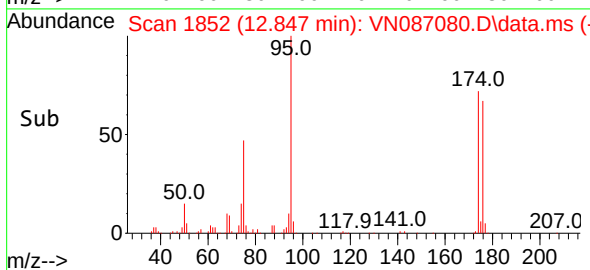
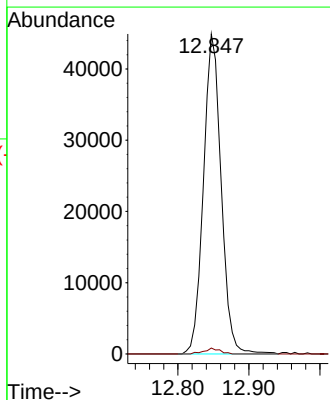
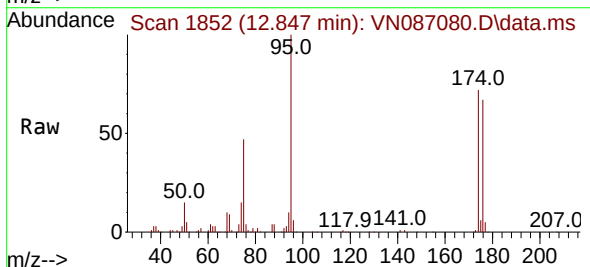
Instrument :
MSVOA_N
ClientSampleId :
RE117D2-20250609

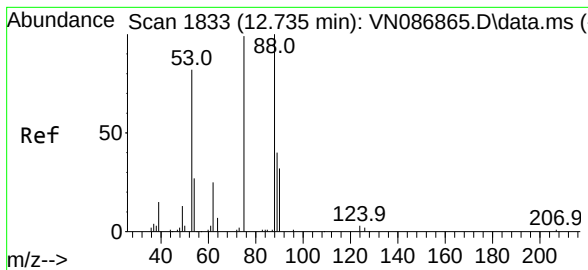
Tgt Ion:152 Resp: 162324
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.5
150 160.1 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 20.207 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087080.D
Acq: 18 Jun 2025 13:13

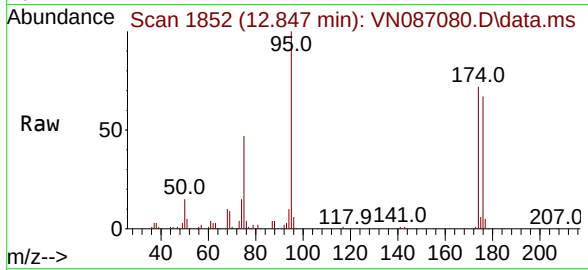
Tgt Ion: 75 Resp: 77967
Ion Ratio Lower Upper
75 100
77 1.6 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.514 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087080.D
 Acq: 18 Jun 2025 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D2-20250609



Tgt Ion: 75 Resp: 77967
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

