

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087093.D
 Acq On : 18 Jun 2025 17:57
 Operator : JC\MD
 Sample : Q2329-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB02-20250612

Quant Time: Jun 19 01:32:30 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)

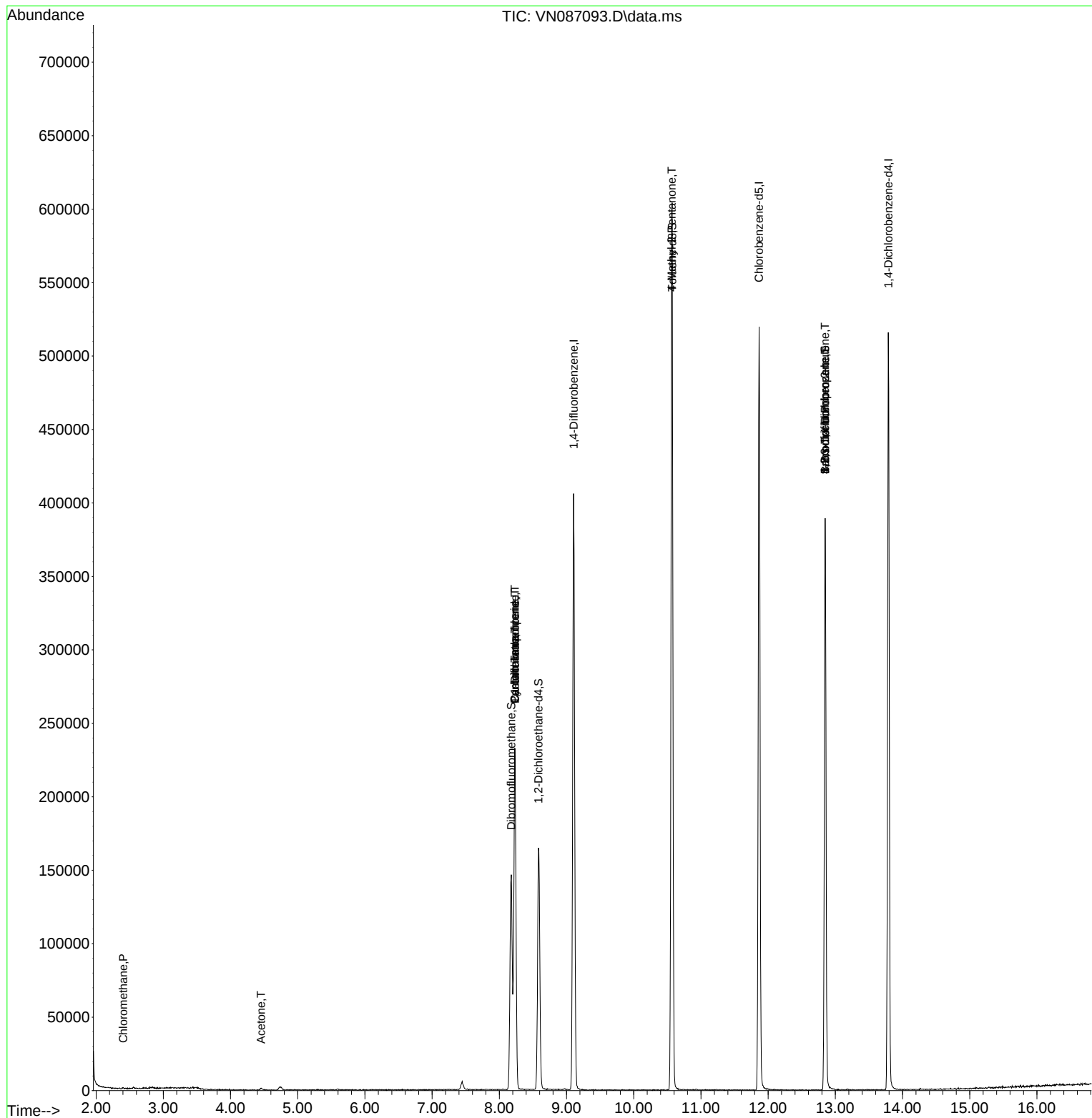
Internal Standards						
1) Pentafluorobenzene	8.230	168	179779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	154445	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	136079	56.534	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.060%			
35) Dibromofluoromethane	8.177	113	114090	51.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.880%			
50) Toluene-d8	10.571	98	453967	52.205	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.847	95	158180	48.960	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.920%			
Target Compounds			Qvalue			
3) Chloromethane	2.401	50	705	0.305	ug/l #	43
16) Acetone	4.454	43	1877	1.470	ug/l	98
31) Cyclohexane	8.230	56	3200	0.820	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	13480	4.118	ug/l #	49
38) Carbon Tetrachloride	8.230	117	16991	5.287	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	1405	0.349	ug/l #	1
71) Bromoform	12.847	173	701	0.402	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	72060	19.628	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72060	45.184	ug/l #	16

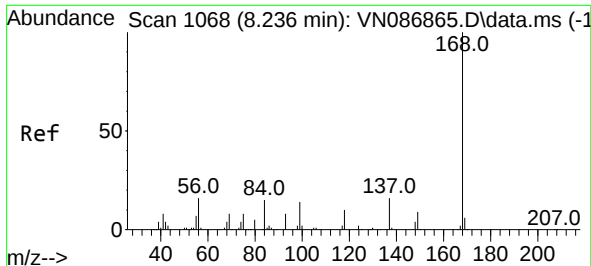
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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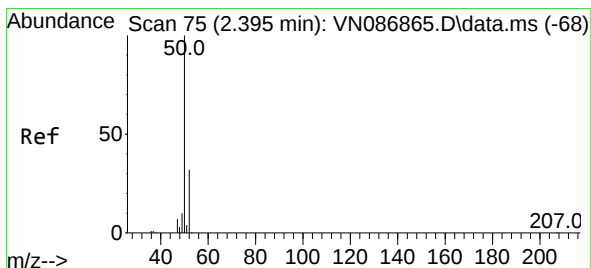
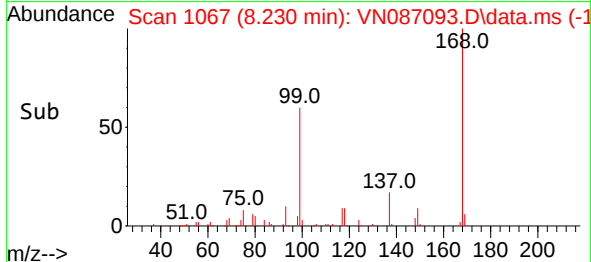
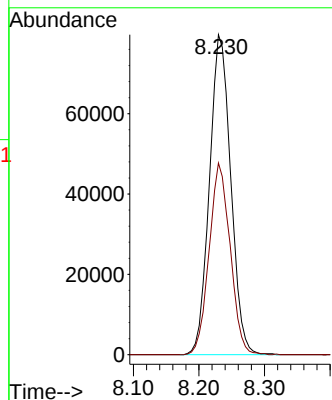
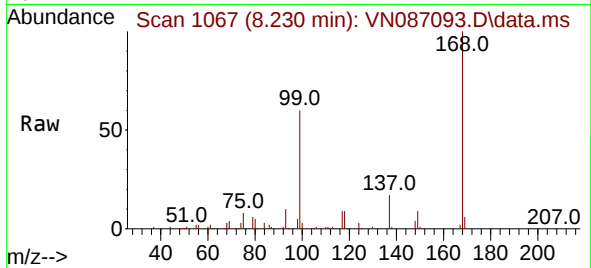




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

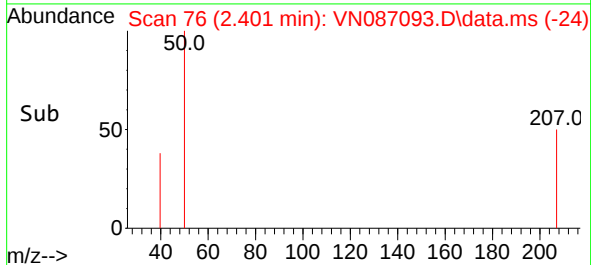
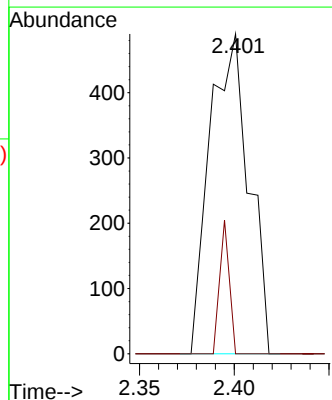
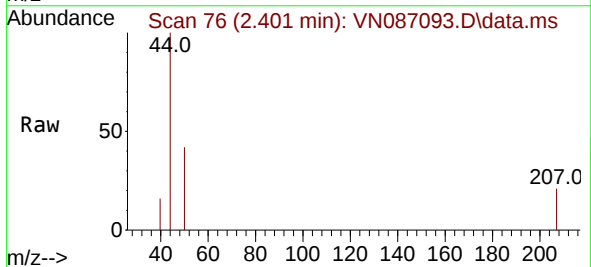
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MSVOA_N
ClientSampleId :
TB02-20250612

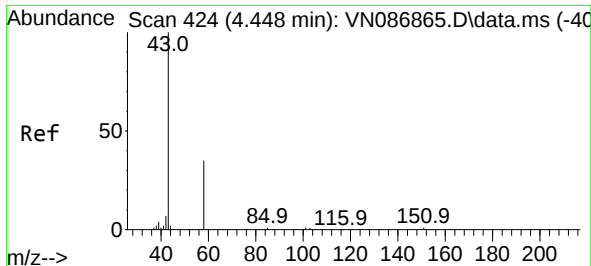
Tgt Ion:168 Resp: 179779
Ion Ratio Lower Upper
168 100
99 59.9 49.1 73.7



#3
Chloromethane
Concen: 0.305 ug/l
RT: 2.401 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

Tgt Ion: 50 Resp: 705
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

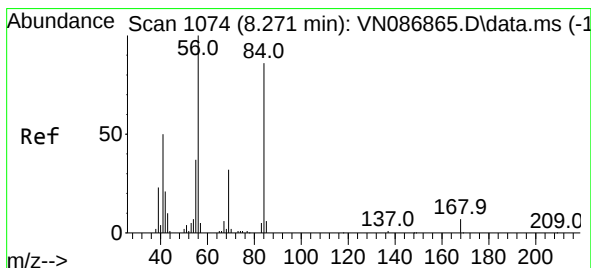
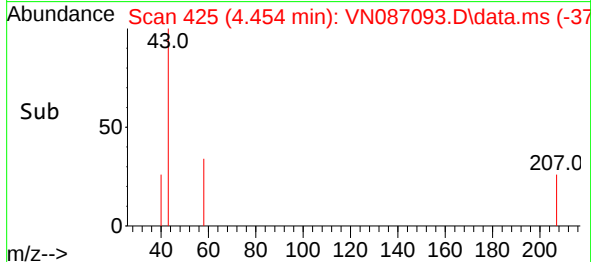
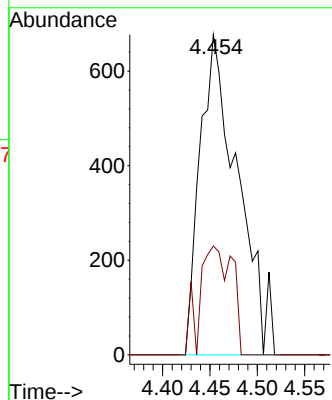
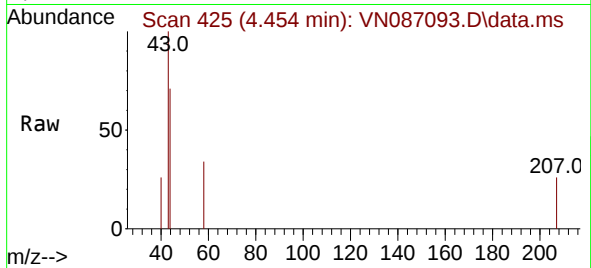




#16
Acetone
Concen: 1.470 ug/l
RT: 4.454 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

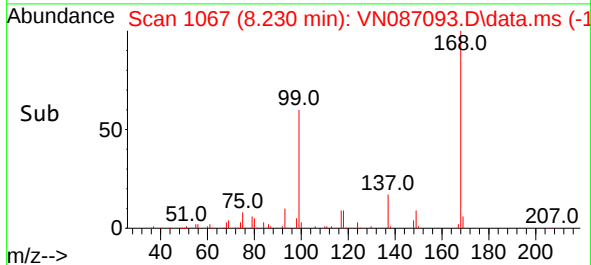
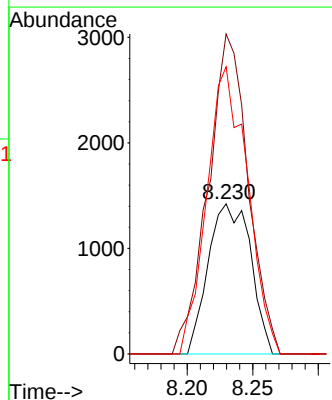
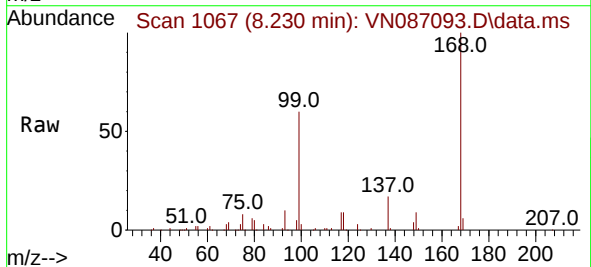
Instrument :
MSVOA_N
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TB02-20250612

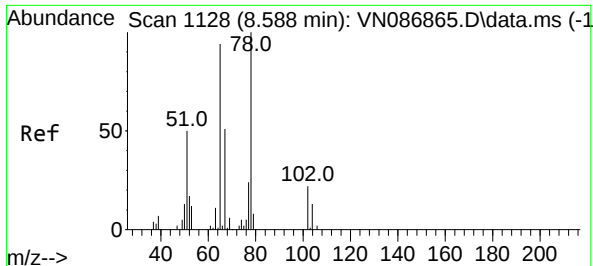
Tgt Ion: 43 Resp: 1877
Ion Ratio Lower Upper
43 100
58 34.0 28.0 42.0



#31
Cyclohexane
Concen: 0.820 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

Tgt Ion: 56 Resp: 3200
Ion Ratio Lower Upper
56 100
69 213.2 25.4 38.0#
84 191.4 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 56.534 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087093.D

Acq: 18 Jun 2025 17:57

Instrument :

MSVOA_N

ClientSampleId :

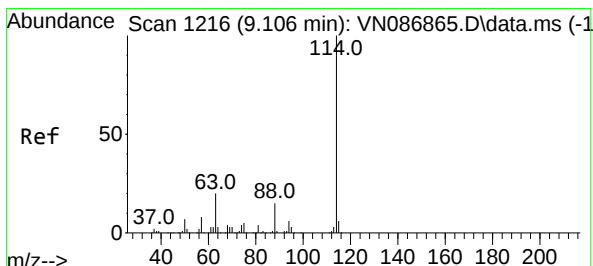
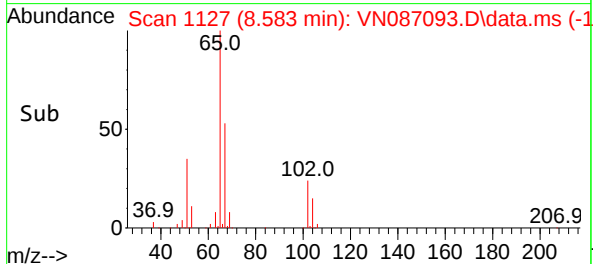
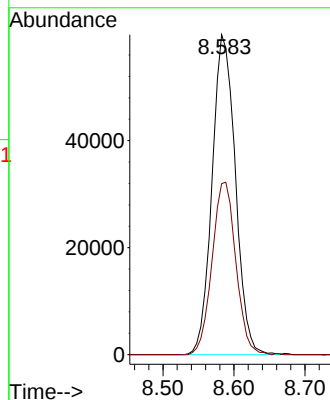
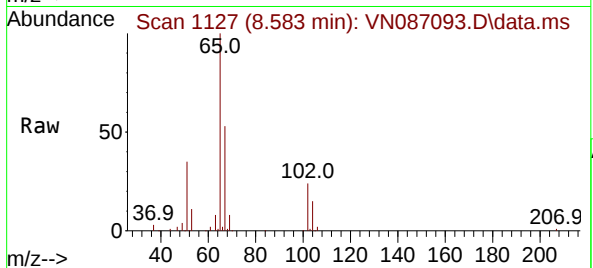
TB02-20250612

Tgt Ion: 65 Resp: 136079

Ion Ratio Lower Upper

65 100

67 54.9 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: VN087093.D

Acq: 18 Jun 2025 17:57

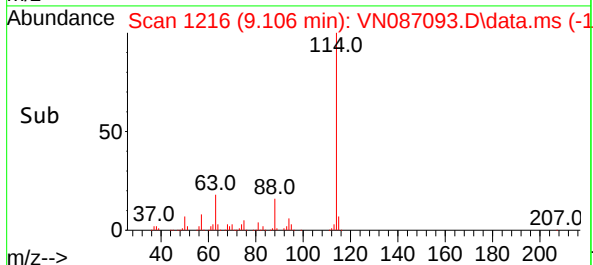
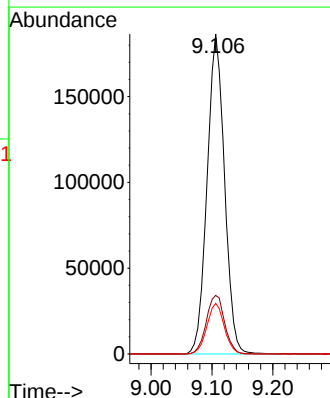
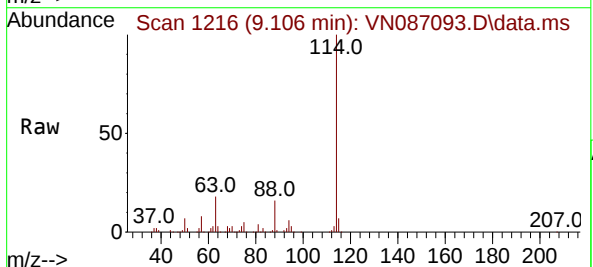
Tgt Ion: 114 Resp: 370663

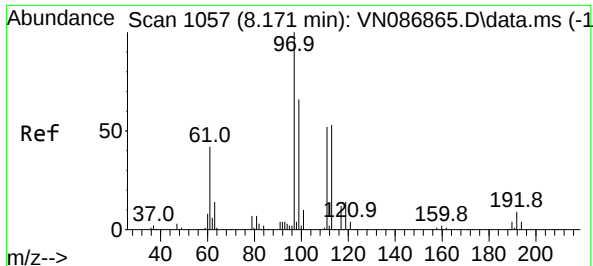
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 15.8 0.0 30.2

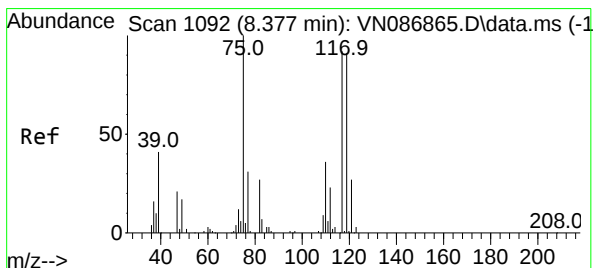
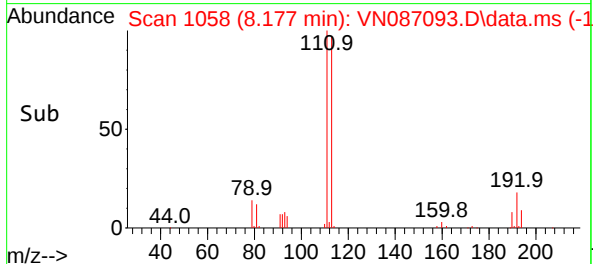
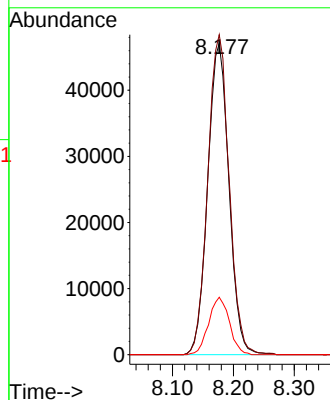
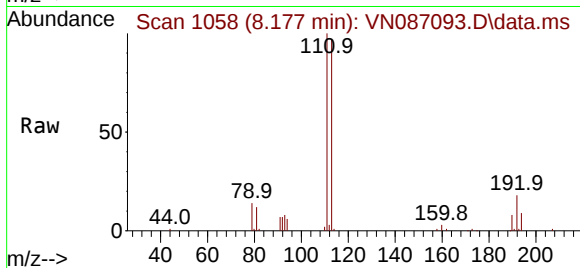




#35
Dibromofluoromethane
Concen: 51.939 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

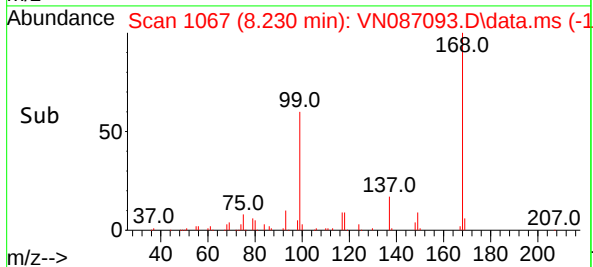
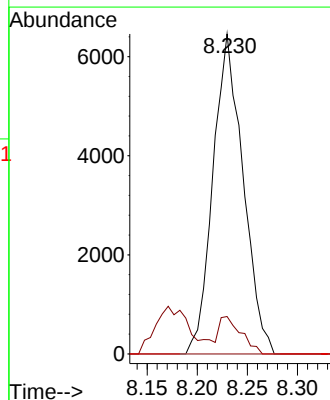
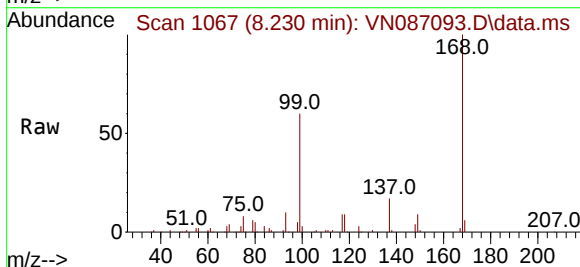
Instrument :
MSVOA_N
ClientSampleId :
TB02-20250612

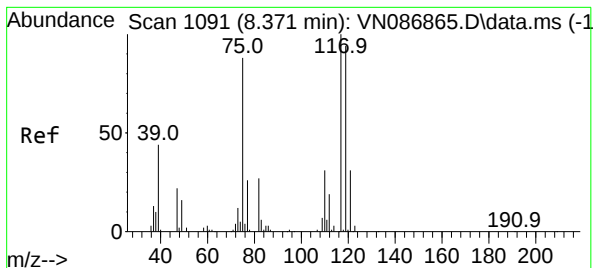
Tgt Ion:113 Resp: 114090
Ion Ratio Lower Upper
113 100
111 103.4 84.2 126.2
192 18.0 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.118 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

Tgt Ion: 75 Resp: 13480
Ion Ratio Lower Upper
75 100
110 9.0 17.6 52.9#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.287 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087093.D

Acq: 18 Jun 2025 17:57

Instrument :

MSVOA_N

ClientSampleId :

TB02-20250612

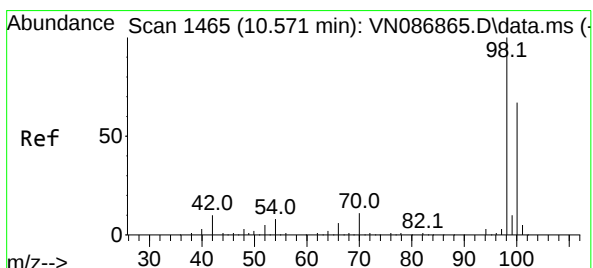
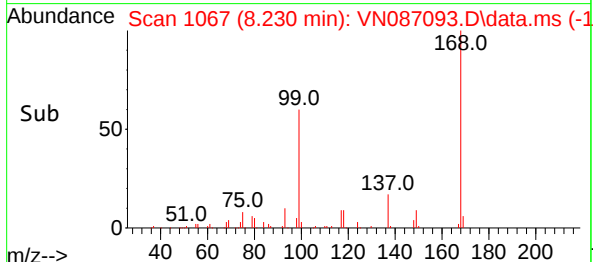
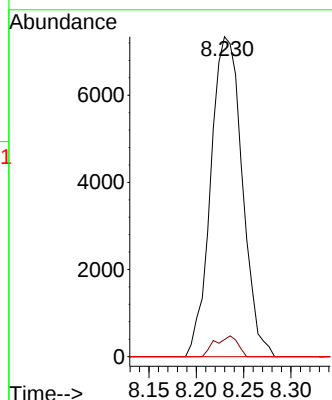
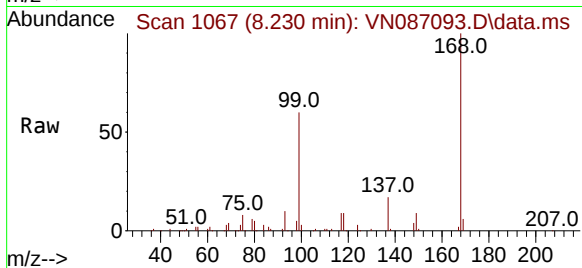
Tgt Ion:117 Resp: 16991

Ion Ratio Lower Upper

117 100

119 5.3 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 52.205 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN087093.D

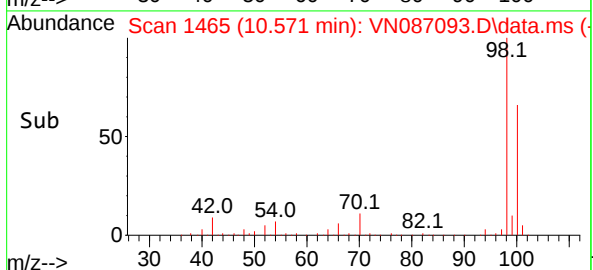
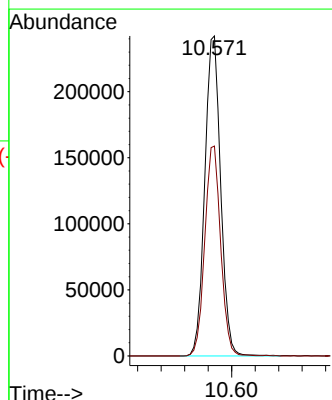
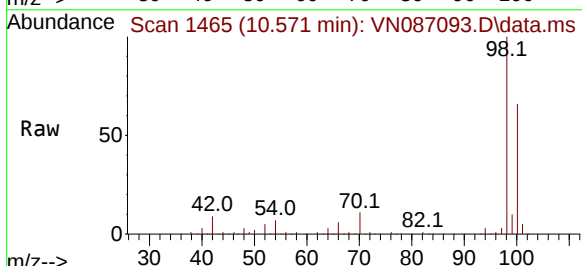
Acq: 18 Jun 2025 17:57

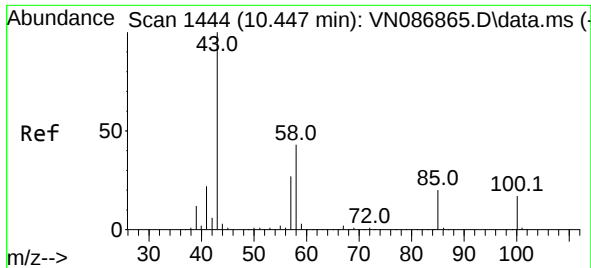
Tgt Ion: 98 Resp: 453967

Ion Ratio Lower Upper

98 100

100 65.6 53.4 80.0

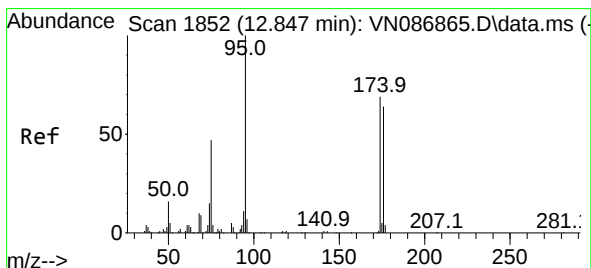
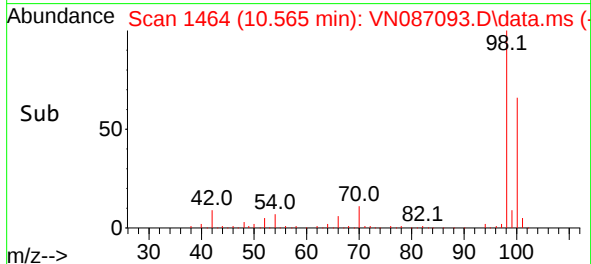
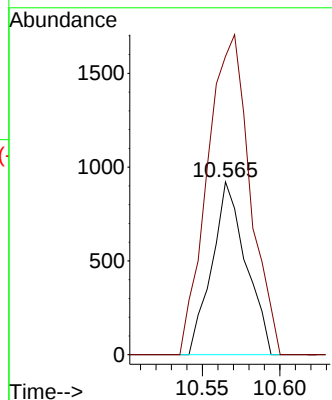
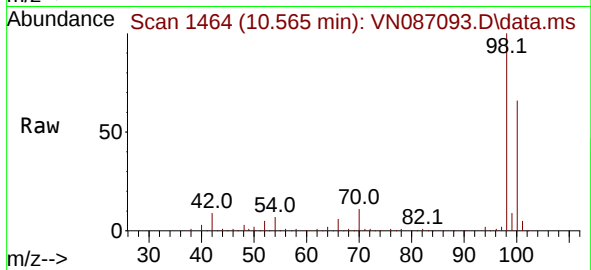




#51
4-Methyl-2-Pentanone
Concen: 0.349 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

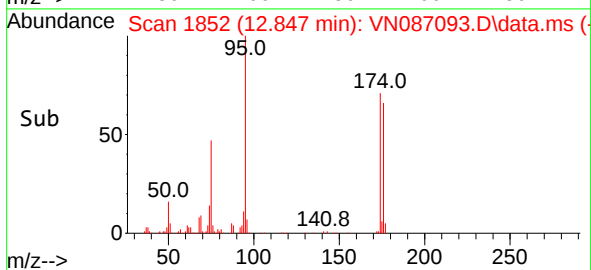
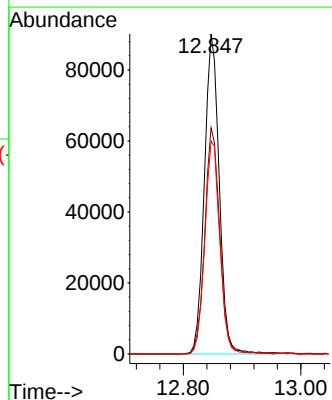
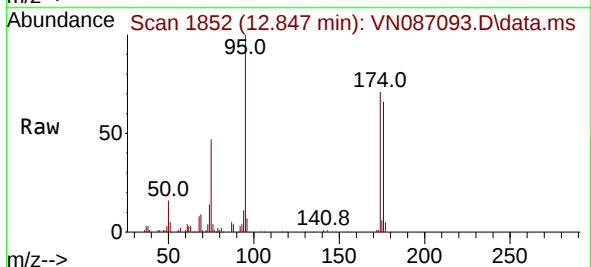
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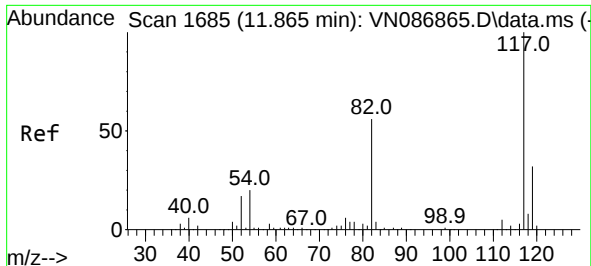
Tgt Ion: 43 Resp: 1405
Ion Ratio Lower Upper
43 100
58 232.2 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 48.960 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

Tgt Ion: 95 Resp: 158180
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.8
176 67.2 0.0 132.6

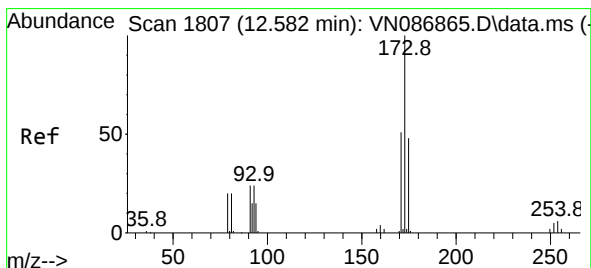
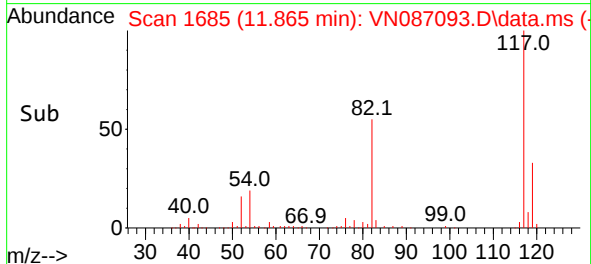
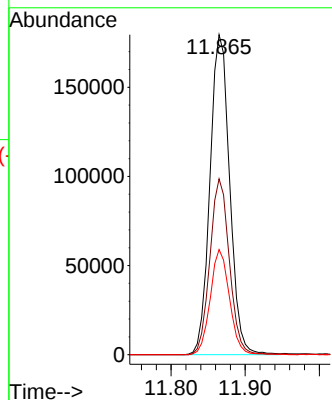
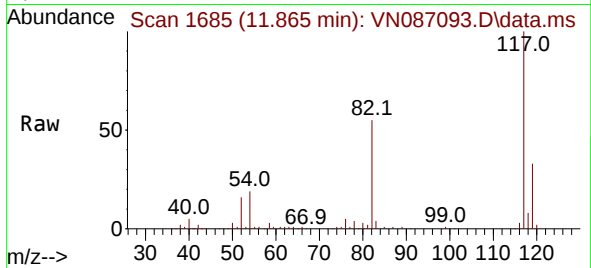




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

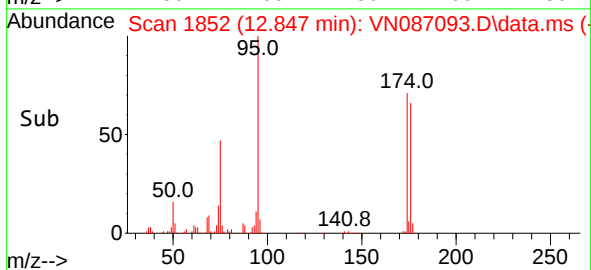
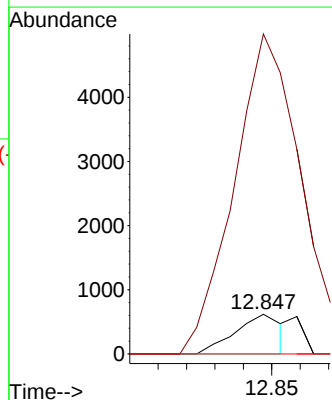
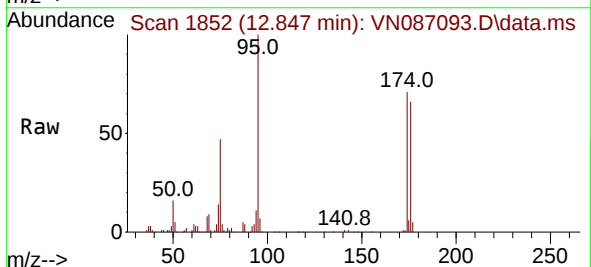
Instrument :
MSVOA_N
ClientSampleId :
TB02-20250612

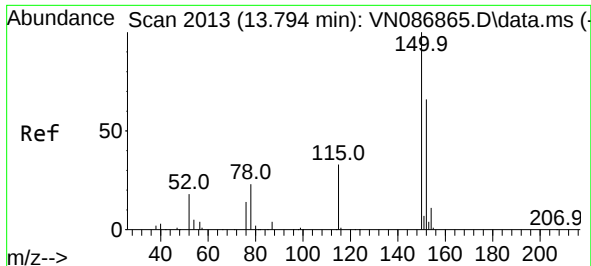
Tgt Ion:117 Resp: 331725
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 32.9 25.5 38.3



#71
Bromoform
Concen: 0.402 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN087093.D
Acq: 18 Jun 2025 17:57

Tgt Ion:173 Resp: 701
Ion Ratio Lower Upper
173 100
175 1020.4 24.1 72.4#
254 0.0 0.0 0.0

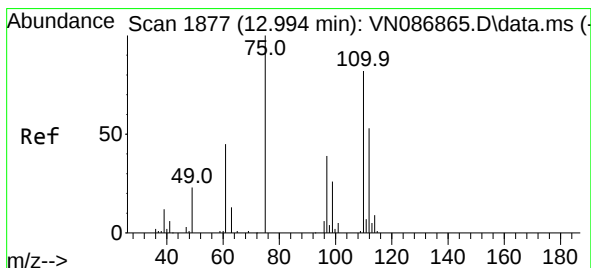
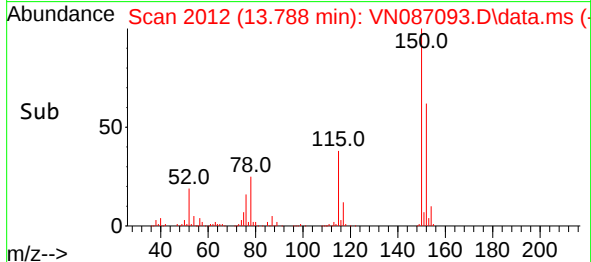
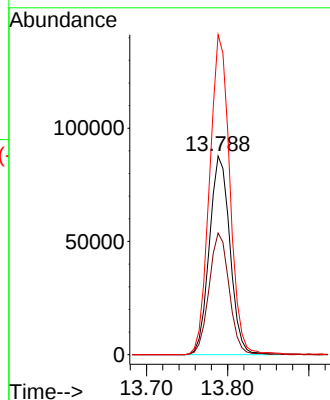
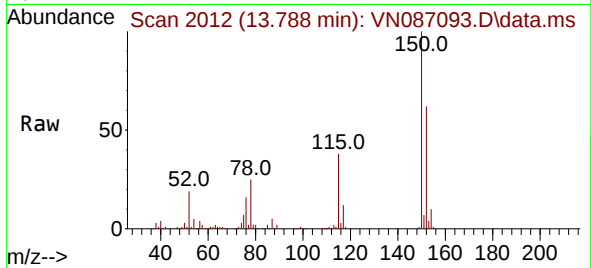




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087093.D
 Acq: 18 Jun 2025 17:57

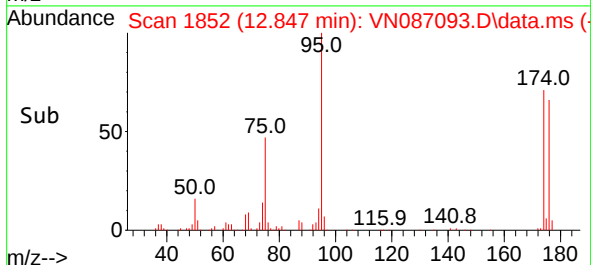
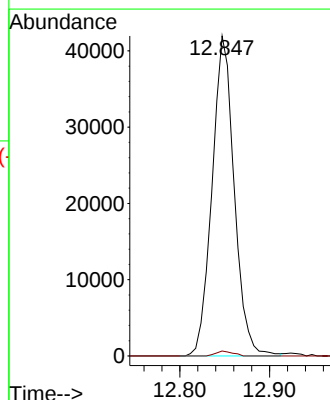
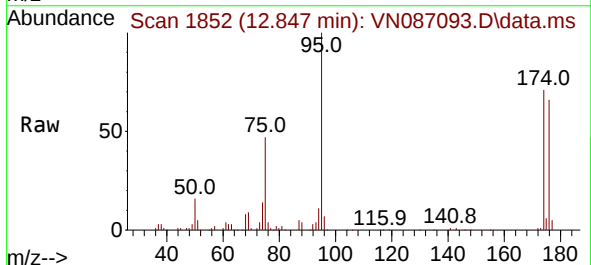
Instrument :
 MSVOA_N
 ClientSampleId :
 TB02-20250612

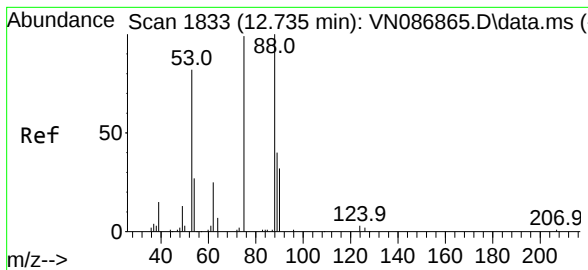
Tgt Ion:152 Resp: 154445
 Ion Ratio Lower Upper
 152 100
 115 60.1 30.1 90.5
 150 158.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.628 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087093.D
 Acq: 18 Jun 2025 17:57

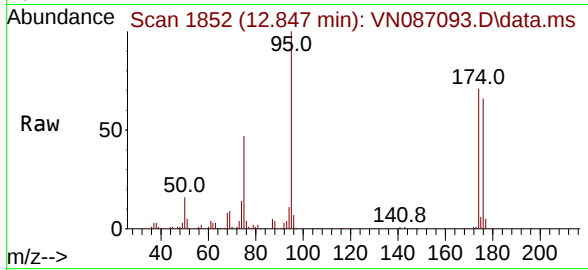
Tgt Ion: 75 Resp: 72060
 Ion Ratio Lower Upper
 75 100
 77 1.2 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.184 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087093.D
 Acq: 18 Jun 2025 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 TB02-20250612



Tgt Ion: 75 Resp: 72060
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

