

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087094.D
 Acq On : 18 Jun 2025 18:18
 Operator : JC\MD
 Sample : Q2329-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT163S1-20250613

Quant Time: Jun 19 01:32:50 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)

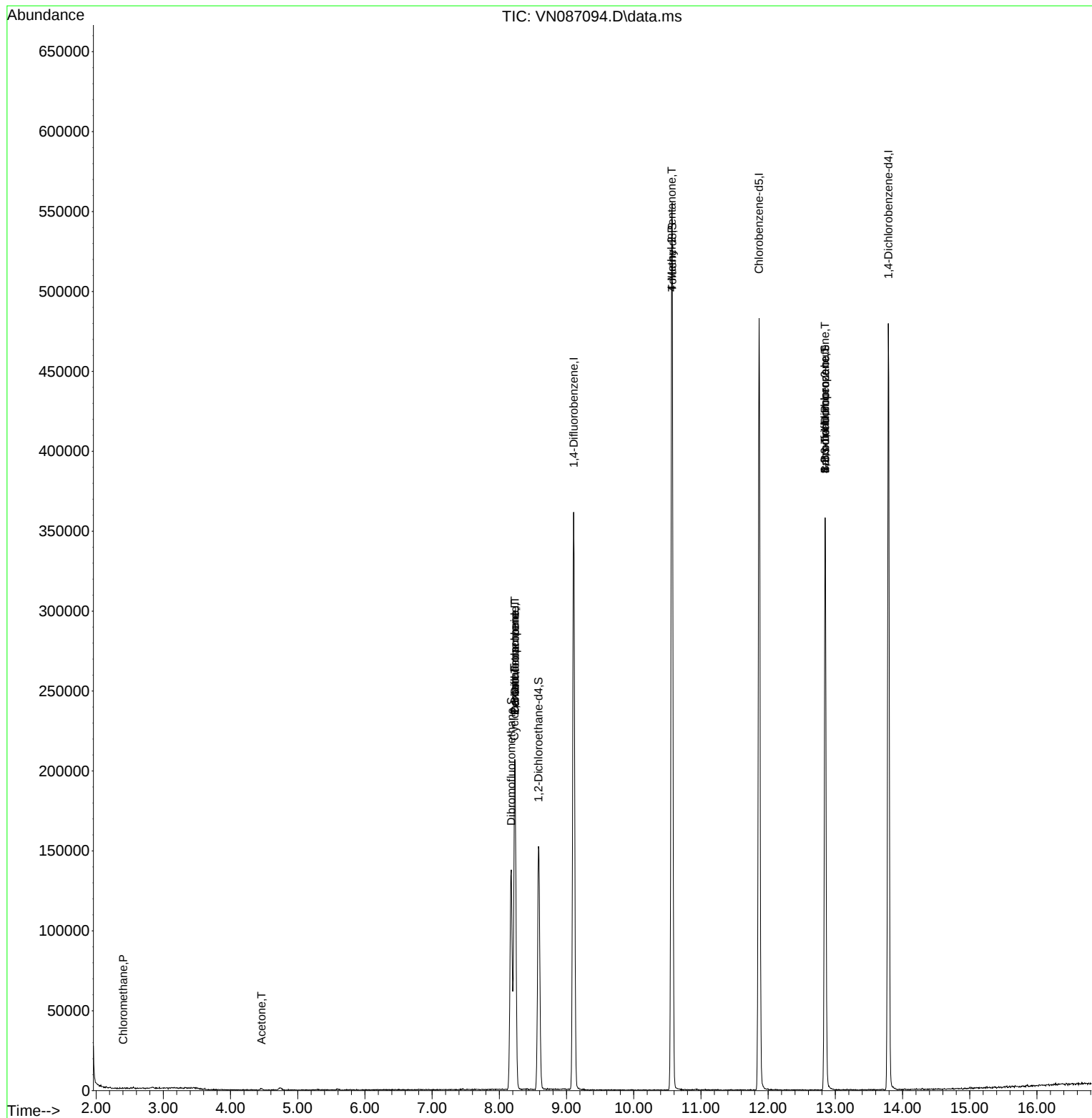
Internal Standards						
1) Pentafluorobenzene	8.230	168	165721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	339420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	126728	57.115	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.240%			
35) Dibromofluoromethane	8.177	113	106211	52.802	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.600%			
50) Toluene-d8	10.571	98	418113	52.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.847	95	145696	49.247	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.500%			
Target Compounds						Qvalue
3) Chloromethane	2.401	50	477	0.224	ug/l #	43
16) Acetone	4.459	43	1595	1.356	ug/l #	85
31) Cyclohexane	8.224	56	2845	0.791	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	12320	4.110	ug/l #	48
38) Carbon Tetrachloride	8.230	117	16060	5.458	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	1478	0.401	ug/l #	1
71) Bromoform	12.847	173	734	0.455	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	65628	19.451	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65628	44.774	ug/l #	16

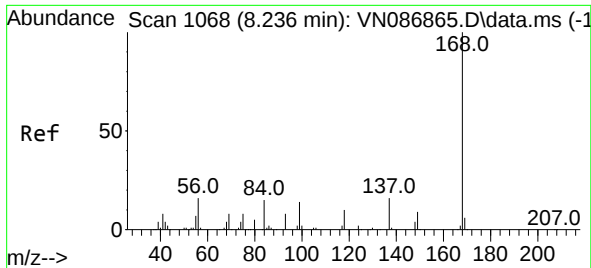
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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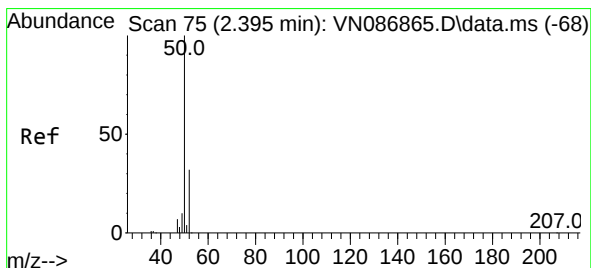
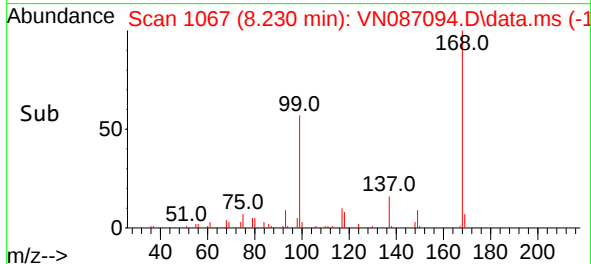
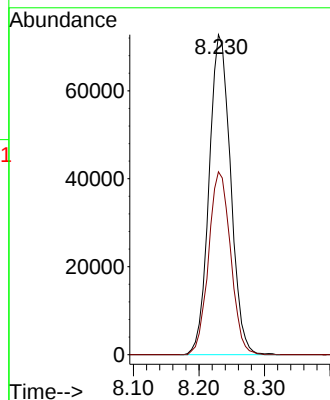
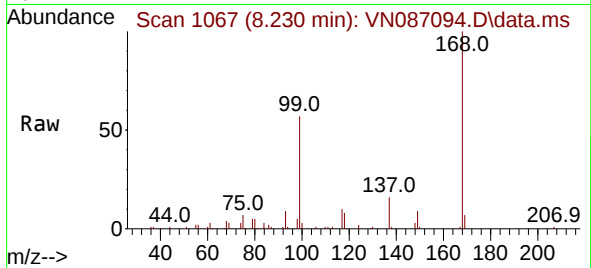




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

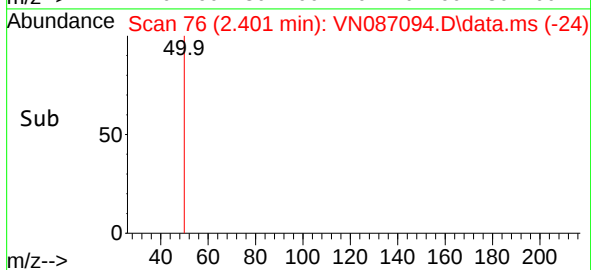
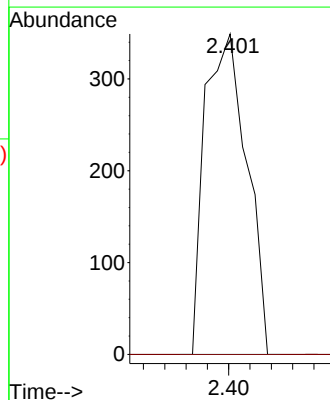
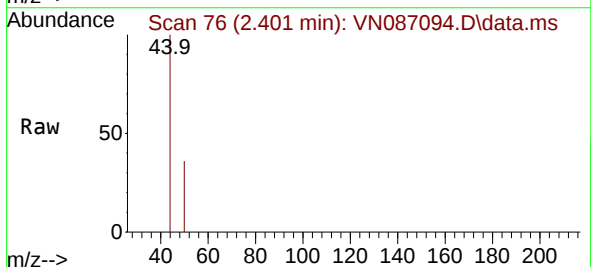
Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20250613

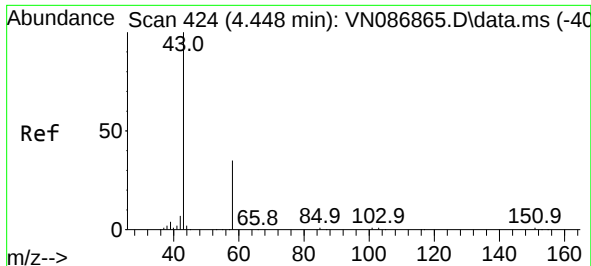
Tgt Ion:168 Resp: 165721
Ion Ratio Lower Upper
168 100
99 57.1 49.1 73.7



#3
Chloromethane
Concen: 0.224 ug/l
RT: 2.401 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

Tgt Ion: 50 Resp: 477
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5





#16

Acetone

Concen: 1.356 ug/l

RT: 4.459 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN087094.D

Acq: 18 Jun 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

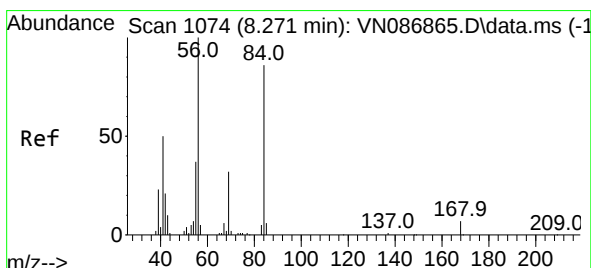
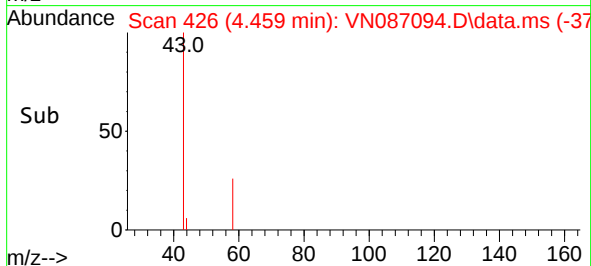
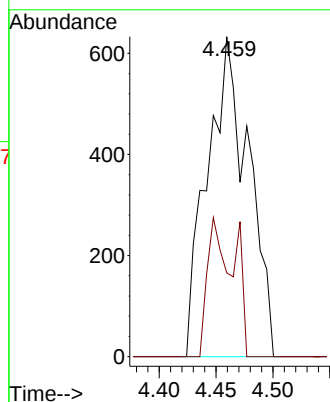
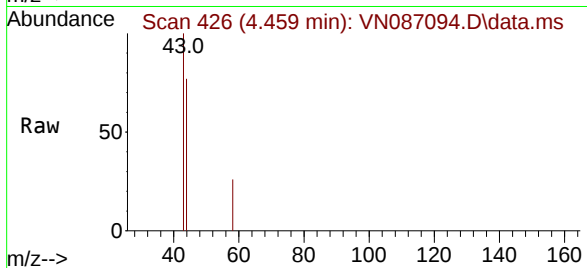
TT163S1-20250613

Tgt Ion: 43 Resp: 1595

Ion Ratio Lower Upper

43 100

58 26.2 28.0 42.0#



#31

Cyclohexane

Concen: 0.791 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.047 min

Lab File: VN087094.D

Acq: 18 Jun 2025 18:18

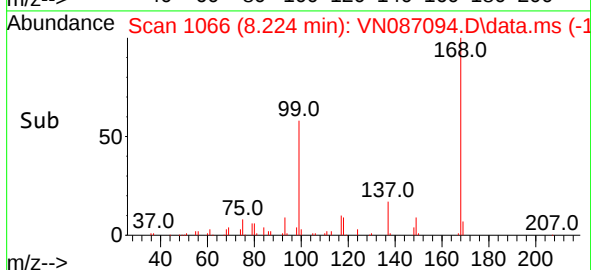
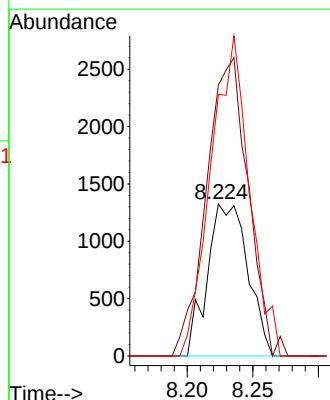
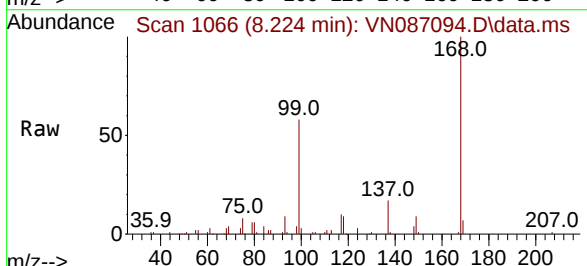
Tgt Ion: 56 Resp: 2845

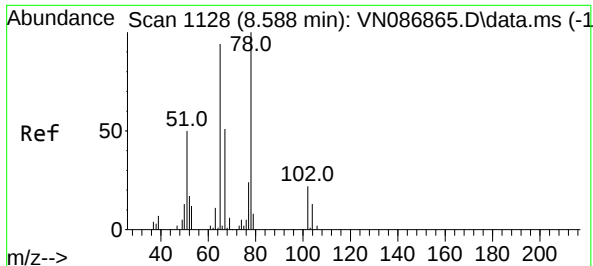
Ion Ratio Lower Upper

56 100

69 165.6 25.4 38.0#

84 172.2 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 57.115 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087094.D

Acq: 18 Jun 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

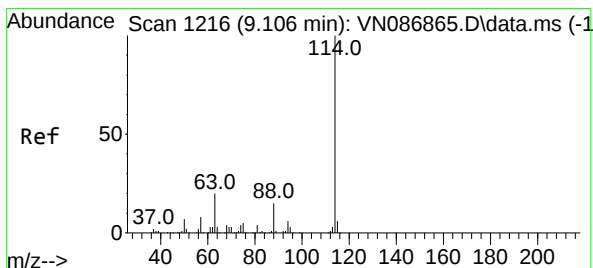
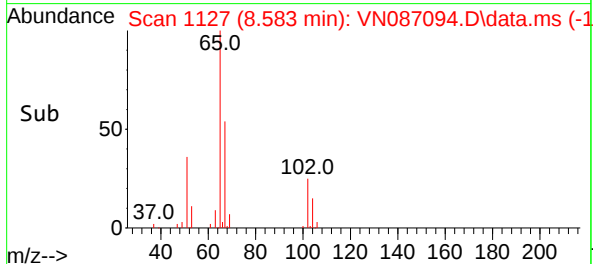
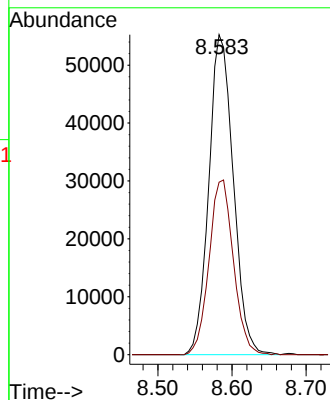
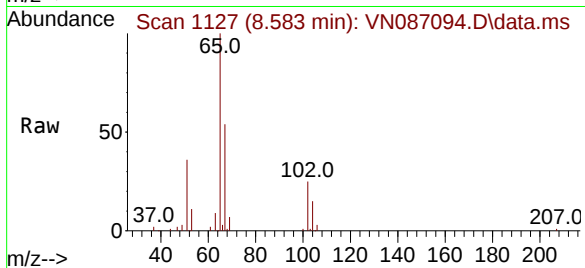
TT163S1-20250613

Tgt Ion: 65 Resp: 126728

Ion Ratio Lower Upper

65 100

67 54.5 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: VN087094.D

Acq: 18 Jun 2025 18:18

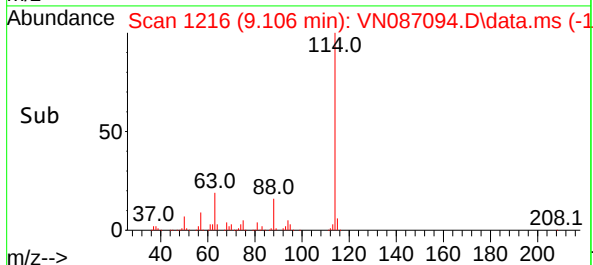
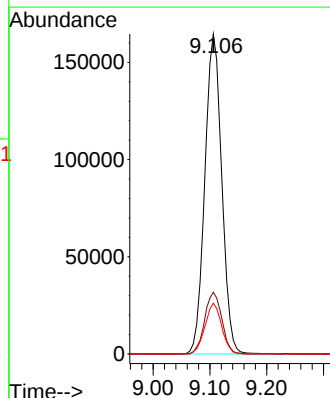
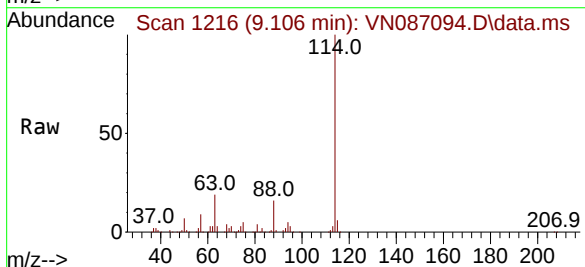
Tgt Ion: 114 Resp: 339420

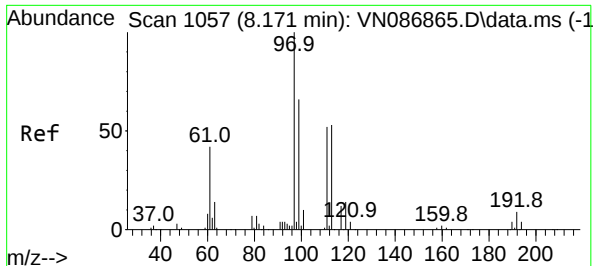
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.802 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087094.D

Acq: 18 Jun 2025 18:18

Instrument :

MSVOA_N

ClientSampleId :

TT163S1-20250613

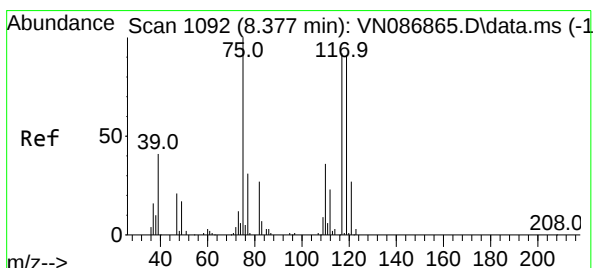
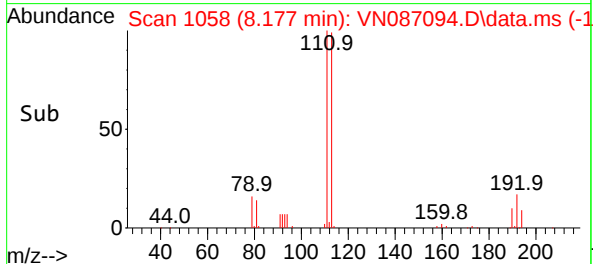
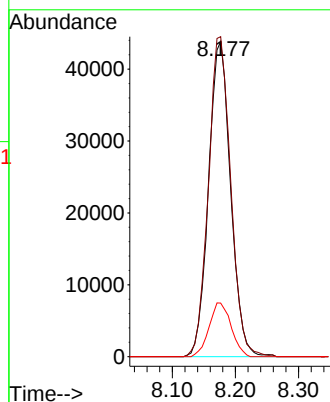
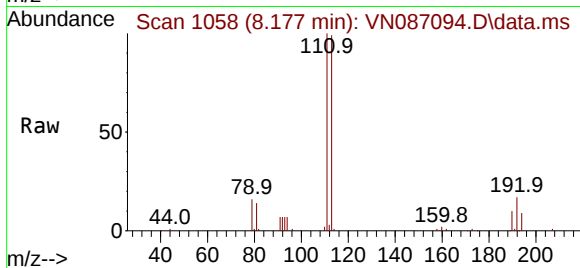
Tgt Ion:113 Resp: 106211

Ion Ratio Lower Upper

113 100

111 102.8 84.2 126.2

192 17.1 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.110 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087094.D

Acq: 18 Jun 2025 18:18

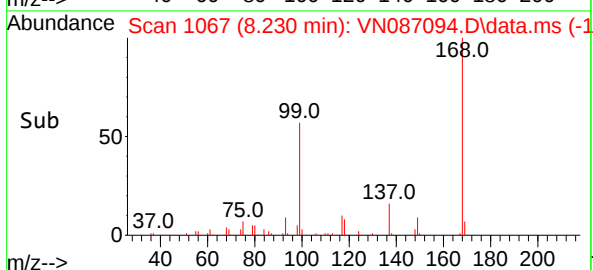
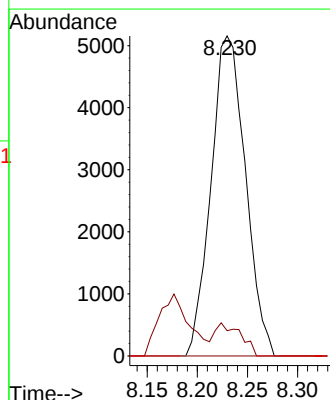
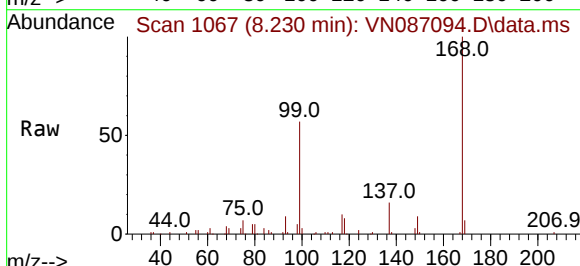
Tgt Ion: 75 Resp: 12320

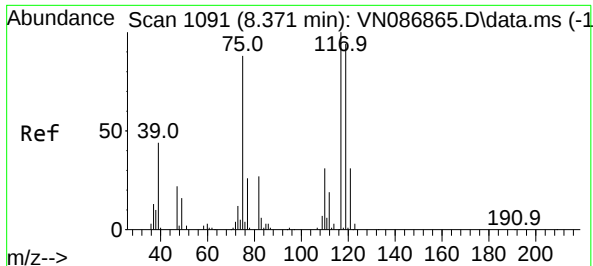
Ion Ratio Lower Upper

75 100

110 7.6 17.6 52.9#

77 0.0 25.3 37.9#

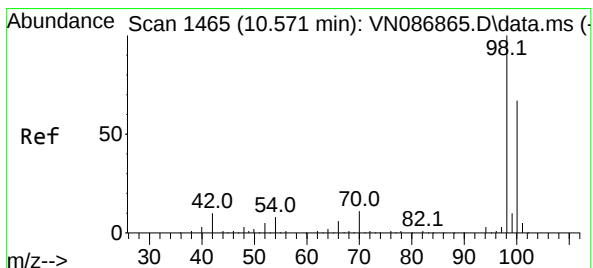
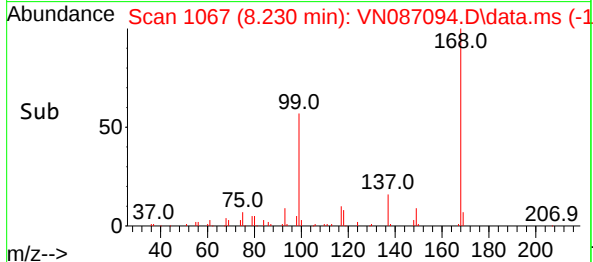
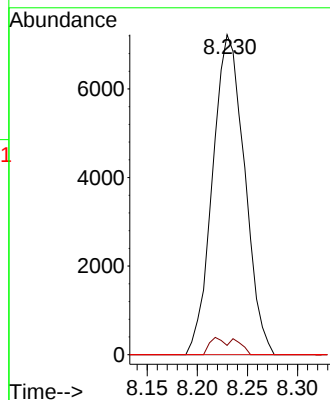
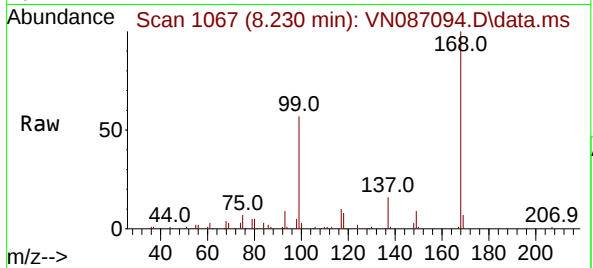




#38
Carbon Tetrachloride
Concen: 5.458 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

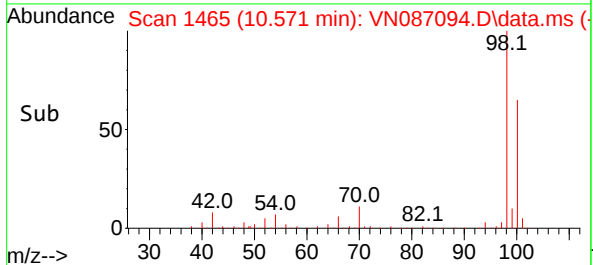
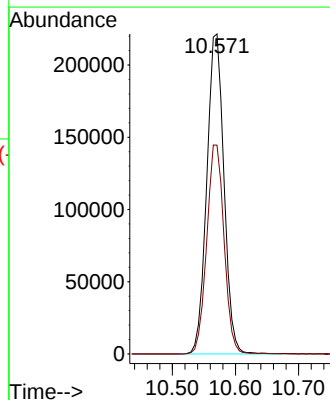
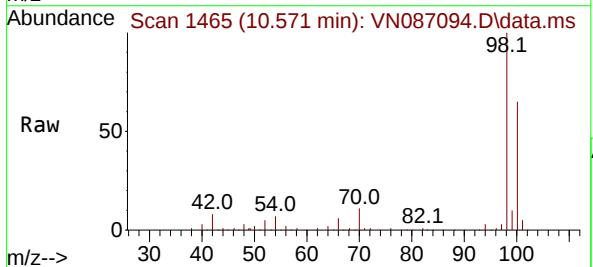
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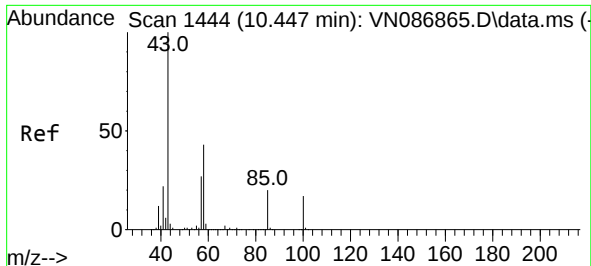
Tgt Ion:117 Resp: 16060
Ion Ratio Lower Upper
117 100
119 2.9 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 52.507 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

Tgt Ion: 98 Resp: 418113
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0

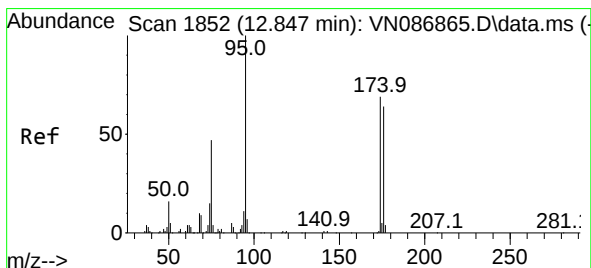
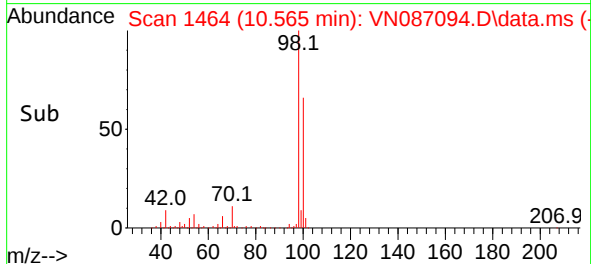
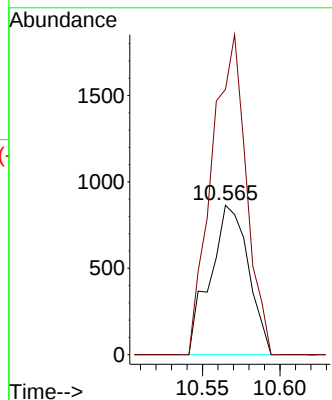
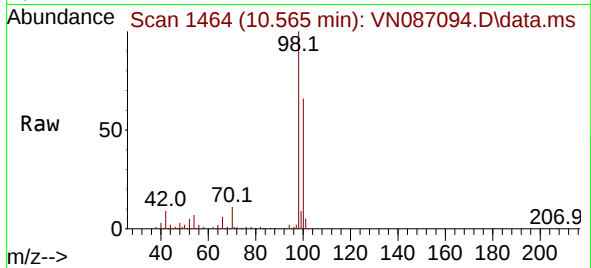




#51
4-Methyl-2-Pentanone
Concen: 0.401 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

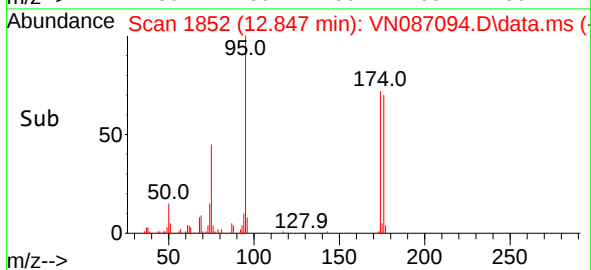
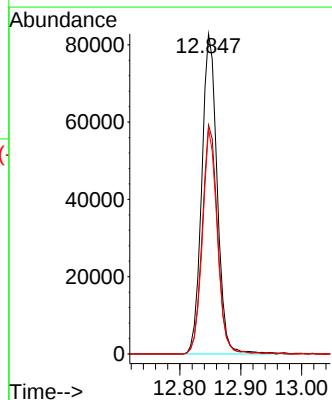
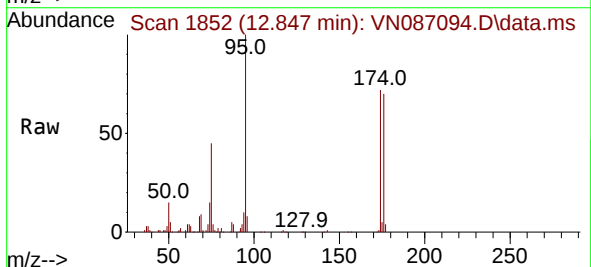
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TT163S1-20250613

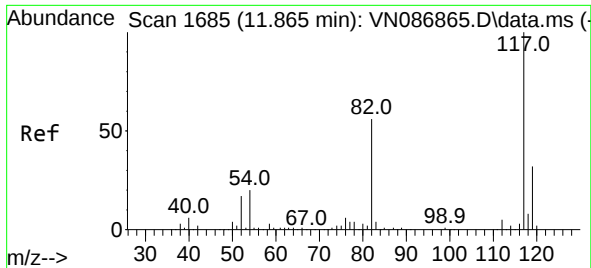
Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
58 194.9 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 49.247 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

Tgt Ion: 95 Resp: 145696
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.8
176 68.0 0.0 132.6

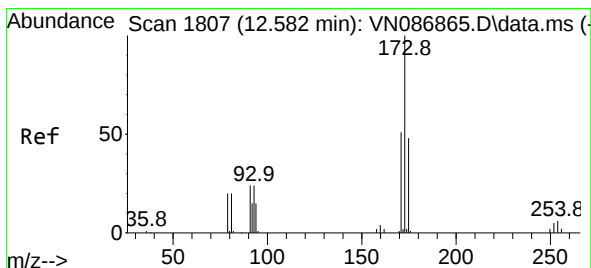
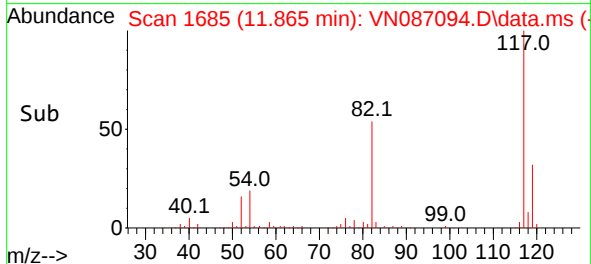
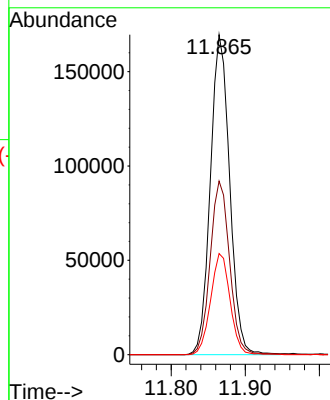
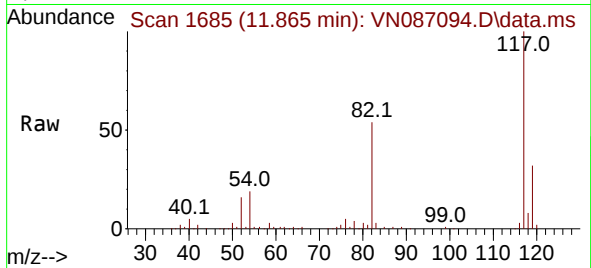




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

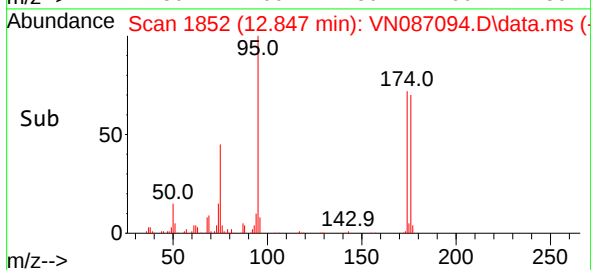
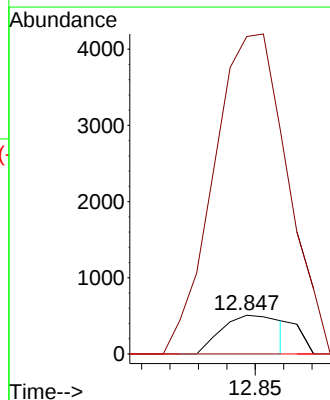
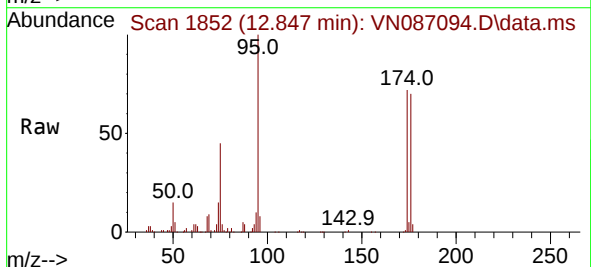
Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20250613

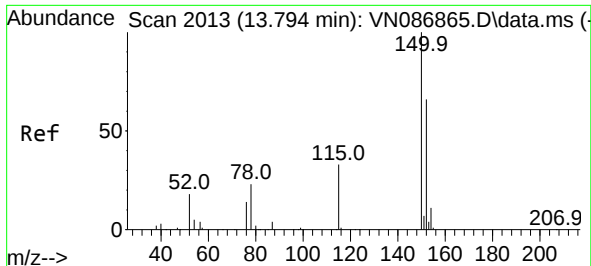
Tgt Ion:117 Resp: 306857
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 31.6 25.5 38.3



#71
Bromoform
Concen: 0.455 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

Tgt Ion:173 Resp: 734
Ion Ratio Lower Upper
173 100
175 911.7 24.1 72.4#
254 0.0 0.0 0.0

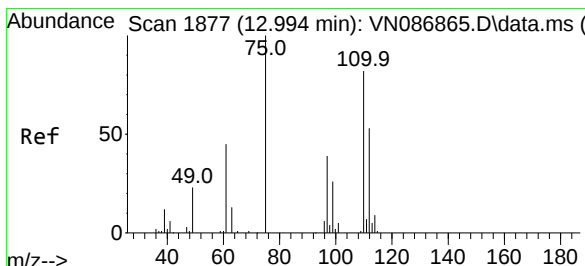
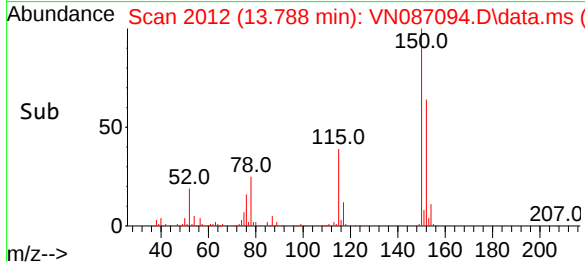
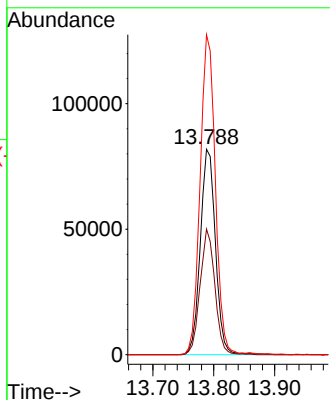
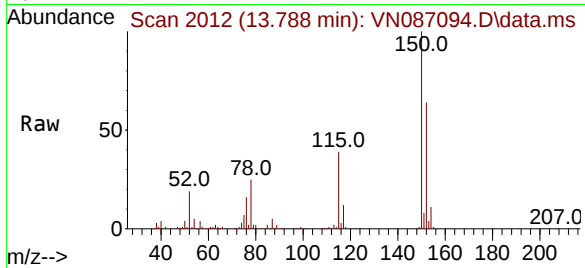




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087094.D
 Acq: 18 Jun 2025 18:18

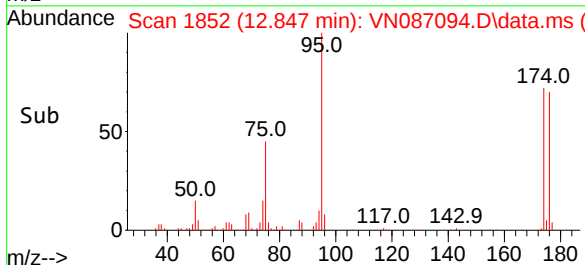
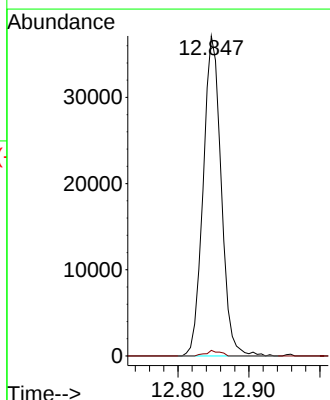
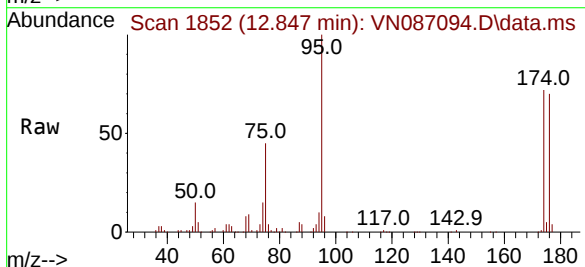
Instrument :
 MSVOA_N
 ClientSampleId :
 TT163S1-20250613

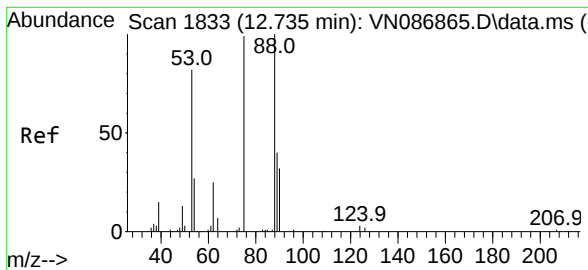
Tgt Ion:152 Resp: 141945
 Ion Ratio Lower Upper
 152 100
 115 59.6 30.1 90.5
 150 155.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.451 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087094.D
 Acq: 18 Jun 2025 18:18

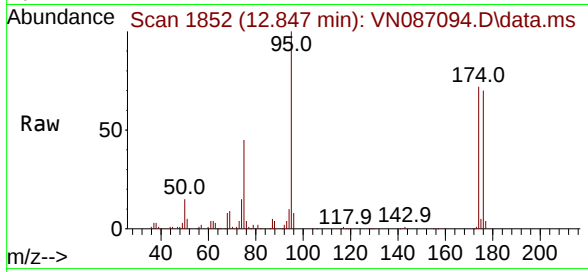
Tgt Ion: 75 Resp: 65628
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 44.774 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087094.D
Acq: 18 Jun 2025 18:18

Instrument :
MSVOA_N
ClientSampleId :
TT163S1-20250613



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

