

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086870.D
 Acq On : 06 Jun 2025 16:47
 Operator : JC\MD
 Sample : VN0606WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBL01

Quant Time: Jun 07 02:25:19 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	317712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	577637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	479097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	217876	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	198905	46.759	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.520%
35) Dibromofluoromethane	8.177	113	163424	47.740	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.480%
50) Toluene-d8	10.571	98	668369	49.320	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.640%
62) 4-Bromofluorobenzene	12.847	95	236488	46.971	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.940%

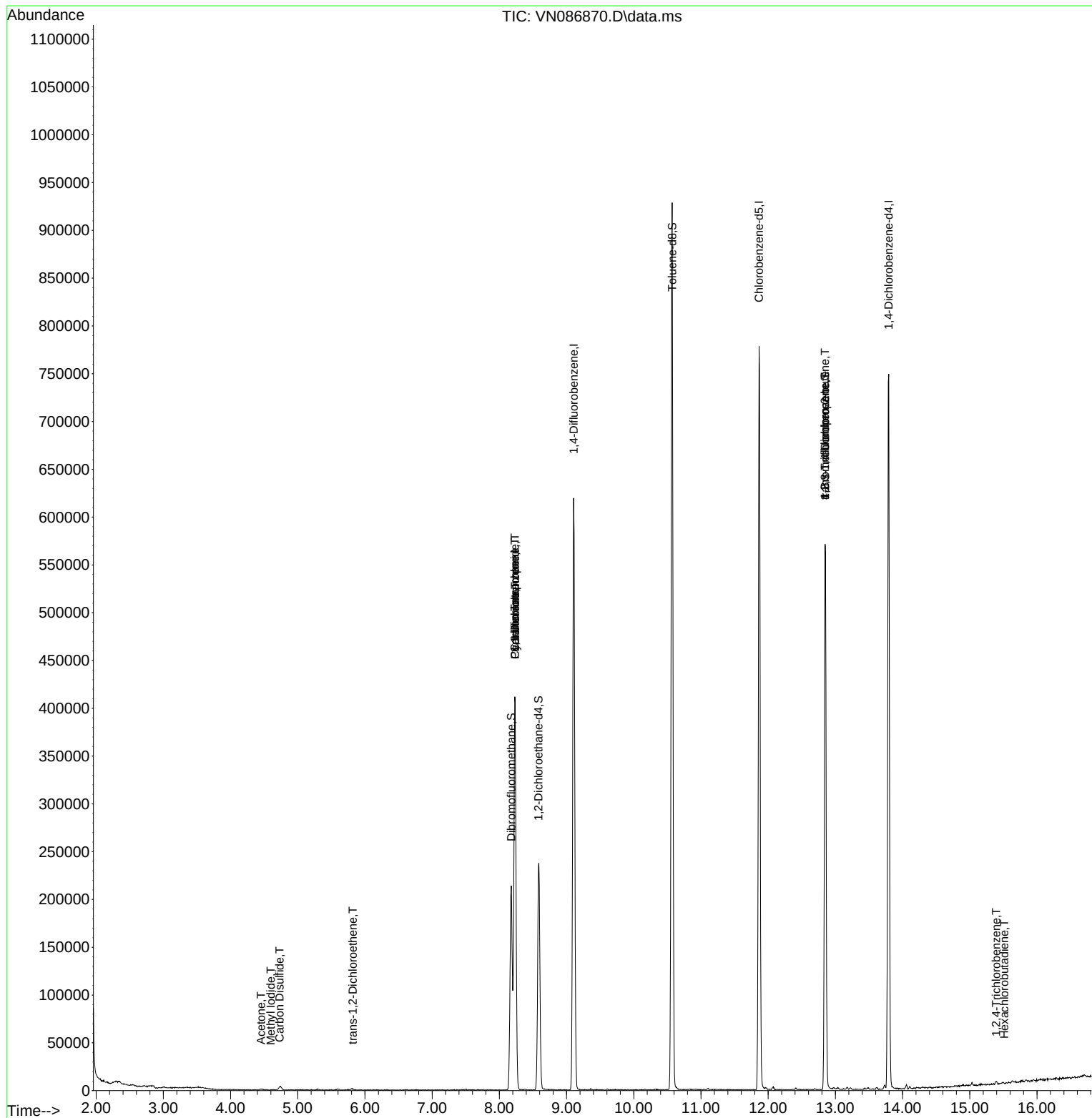
Target Compounds					Qvalue	
10) Methyl Iodide	4.600	142	922	0.205	ug/l #	44
16) Acetone	4.453	43	1126	0.499	ug/l	88
17) Carbon Disulfide	4.730	76	4620	0.472	ug/l #	75
21) trans-1,2-Dichloroethene	5.818	96	1213	0.308	ug/l #	57
31) Cyclohexane	8.236	56	6208	0.900	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	25240	4.948	ug/l #	48
38) Carbon Tetrachloride	8.230	117	31066	6.203	ug/l #	16
76) 1,2,3-Trichloropropane	12.847	75	109337	21.112	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	109337	48.598	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.394	180	1028	0.234	ug/l	91
94) Hexachlorobutadiene	15.512	225	357	0.218	ug/l #	59

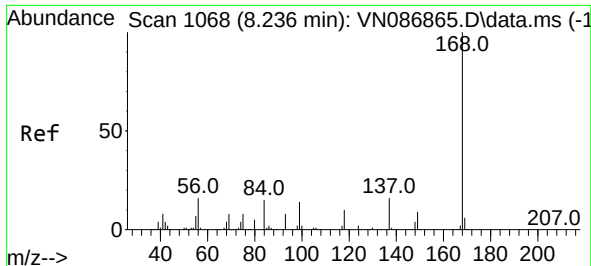
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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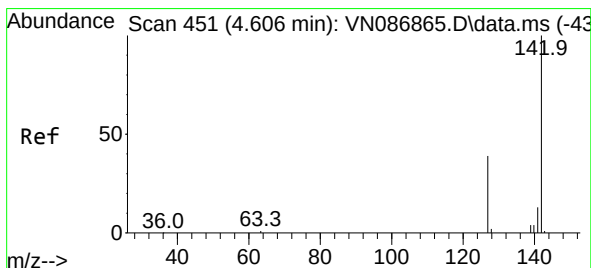
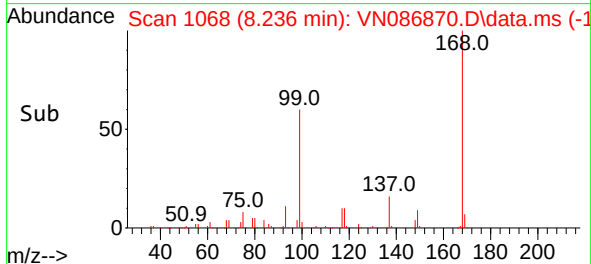
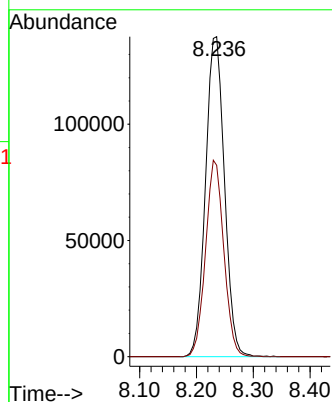
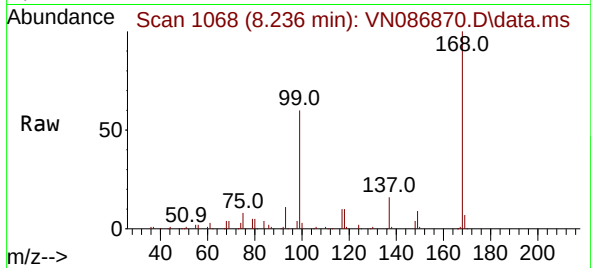




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

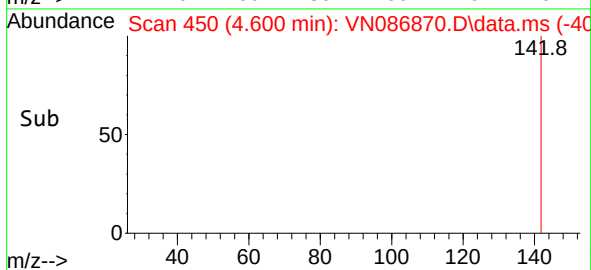
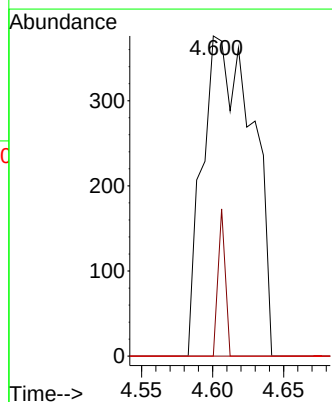
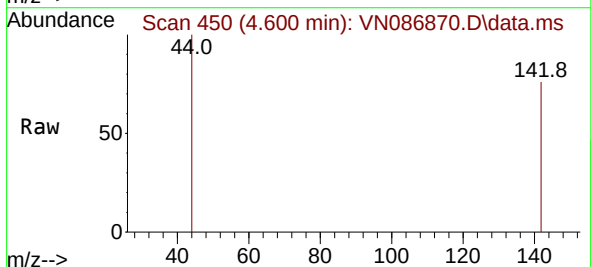
Instrument :
MSVOA_N
ClientSampleId :
VN0606WBL01

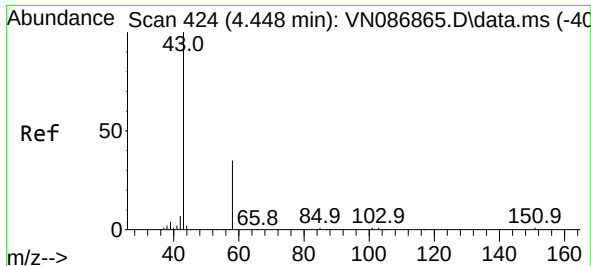
Tgt Ion:168 Resp: 317712
Ion Ratio Lower Upper
168 100
99 59.8 49.1 73.7



#10
Methyl Iodide
Concen: 0.205 ug/l
RT: 4.600 min Scan# 450
Delta R.T. -0.006 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

Tgt Ion:142 Resp: 922
Ion Ratio Lower Upper
142 100
127 0.0 30.9 46.3#
141 0.0 10.4 15.6#

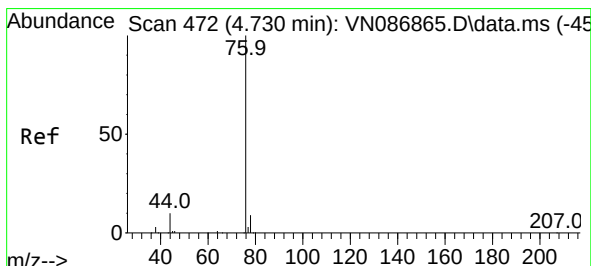
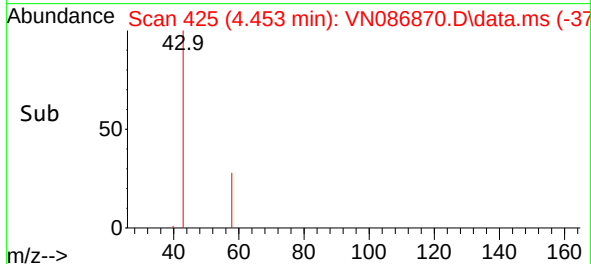
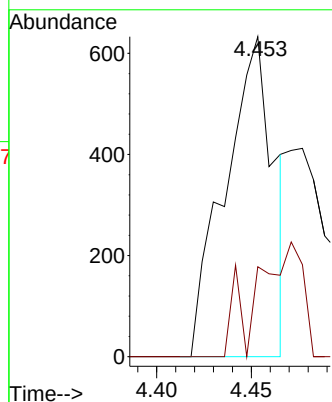
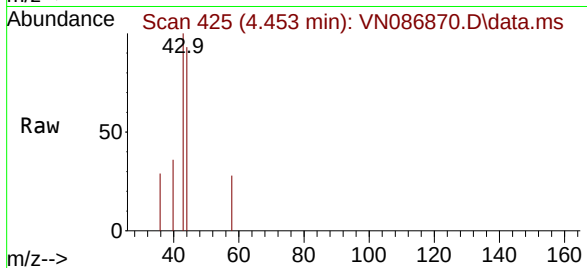




#16
Acetone
Concen: 0.499 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

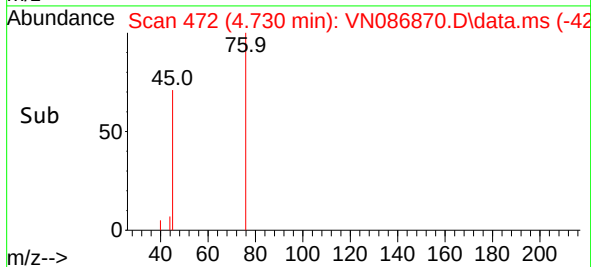
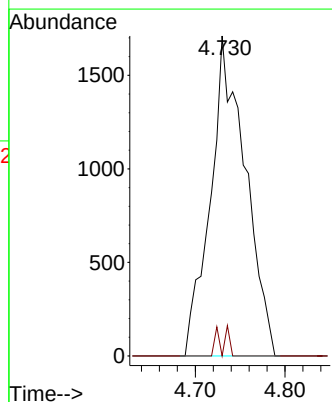
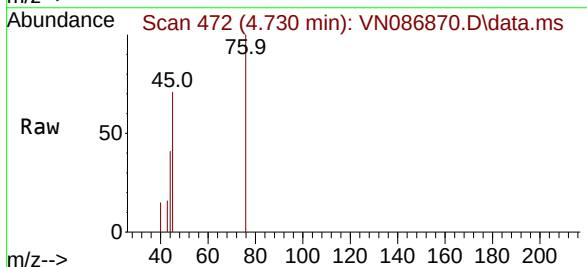
Instrument :
MSVOA_N
ClientSampleId :
VN0606WBL01

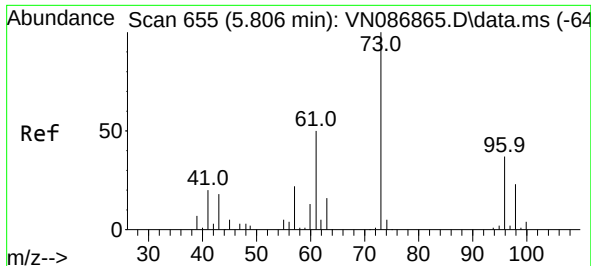
Tgt Ion: 43 Resp: 1126
Ion Ratio Lower Upper
43 100
58 28.1 28.0 42.0



#17
Carbon Disulfide
Concen: 0.472 ug/l
RT: 4.730 min Scan# 472
Delta R.T. -0.000 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

Tgt Ion: 76 Resp: 4620
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





#21

trans-1,2-Dichloroethene

Concen: 0.308 ug/l

RT: 5.818 min Scan# 61

Delta R.T. 0.012 min

Lab File: VN086870.D

Acq: 06 Jun 2025 16:47

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBL01

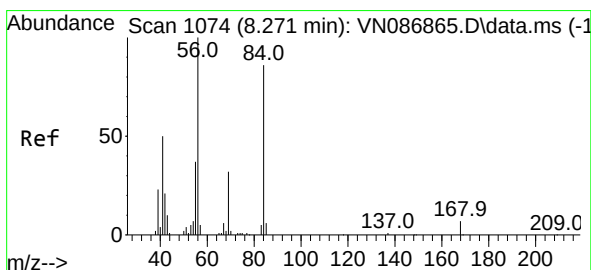
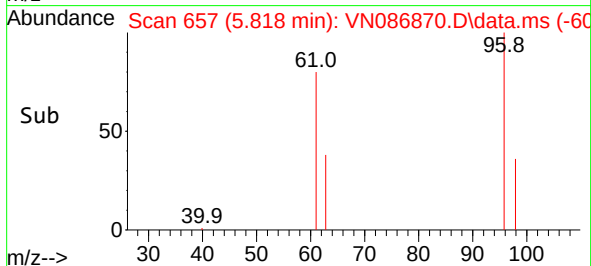
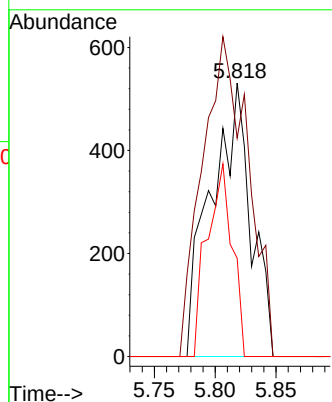
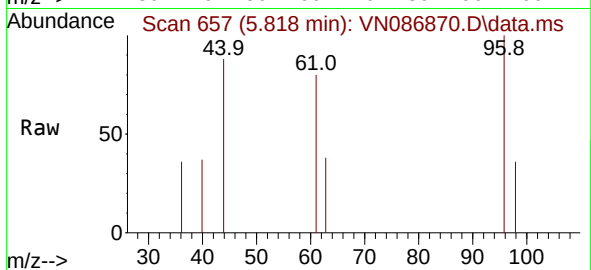
Tgt Ion: 96 Resp: 1213

Ion Ratio Lower Upper

96 100

61 79.8 109.2 163.8#

98 36.0 49.8 74.8#



#31

Cyclohexane

Concen: 0.900 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.035 min

Lab File: VN086870.D

Acq: 06 Jun 2025 16:47

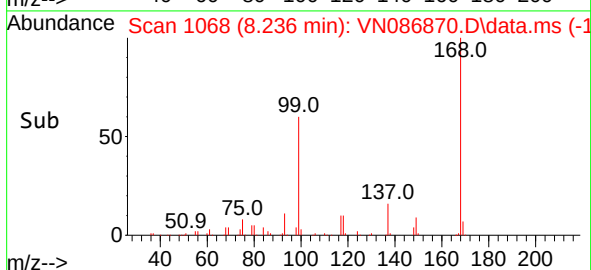
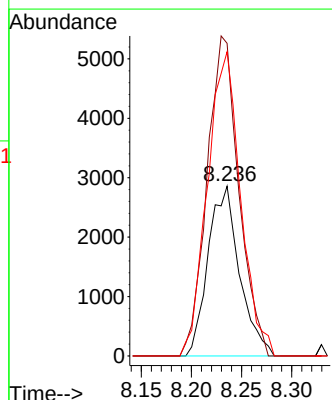
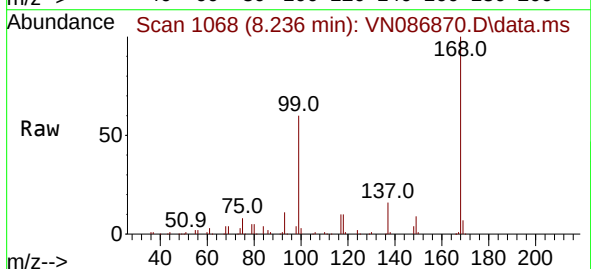
Tgt Ion: 56 Resp: 6208

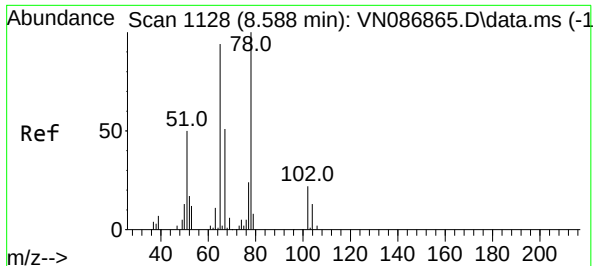
Ion Ratio Lower Upper

56 100

69 184.1 25.4 38.0#

84 179.1 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 46.759 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN086870.D

Acq: 06 Jun 2025 16:47

Instrument :

MSVOA_N

ClientSampleId :

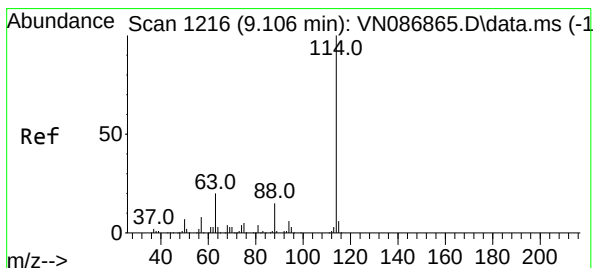
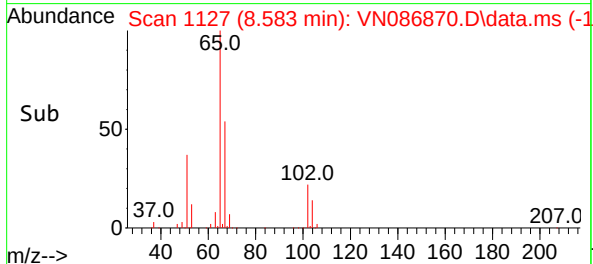
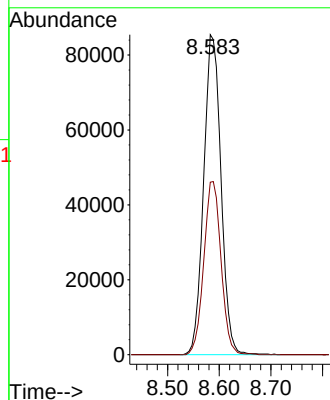
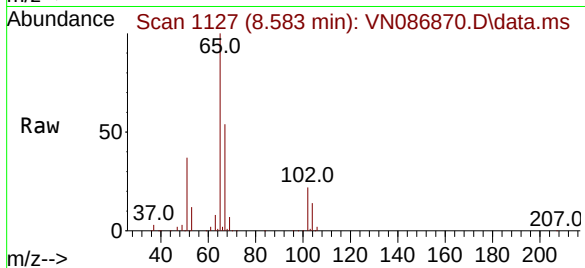
VN0606WBL01

Tgt Ion: 65 Resp: 198905

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: VN086870.D

Acq: 06 Jun 2025 16:47

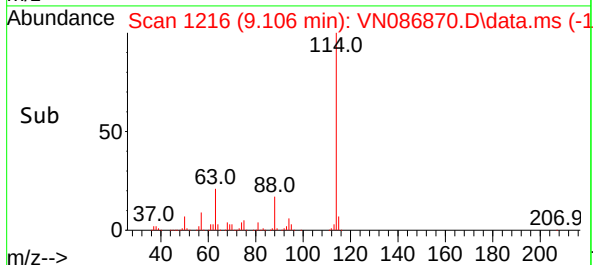
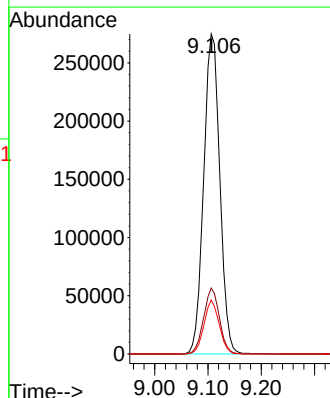
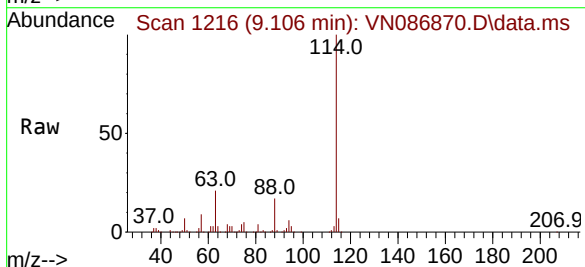
Tgt Ion: 114 Resp: 577637

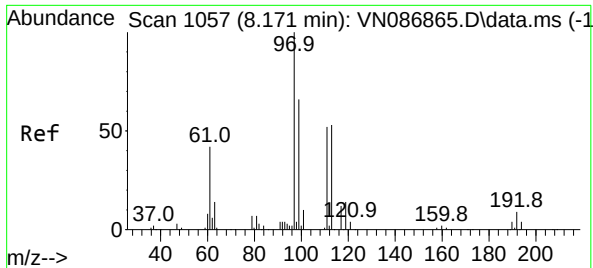
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

88 16.8 0.0 30.2

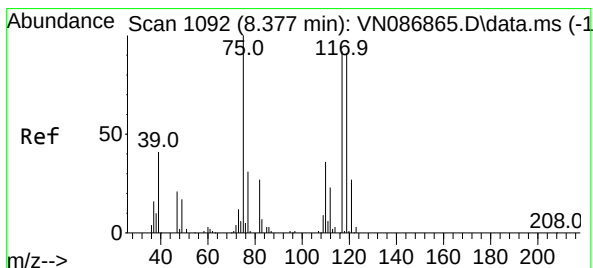
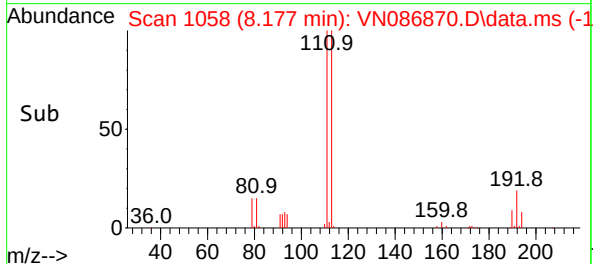
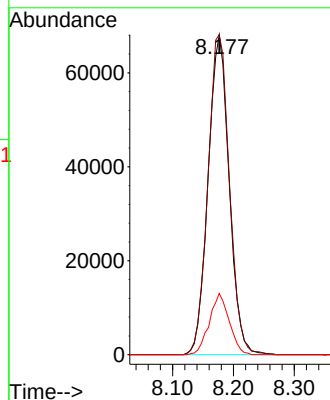
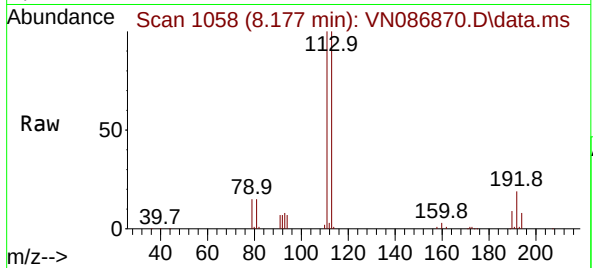




#35
Dibromofluoromethane
Concen: 47.740 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

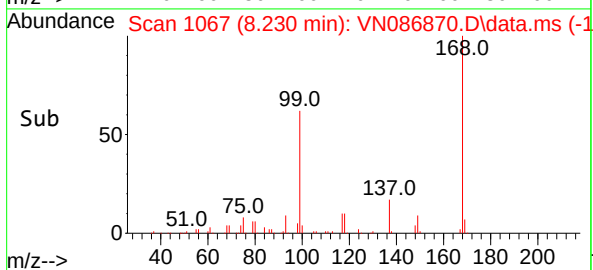
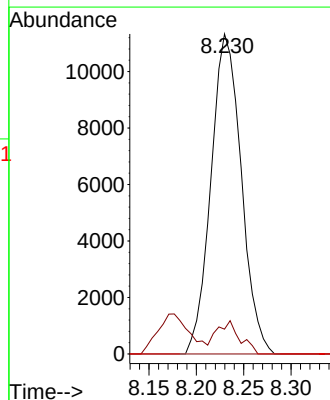
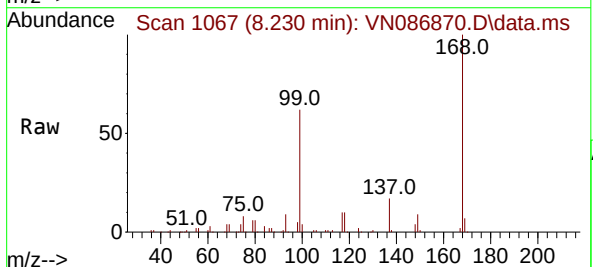
Instrument :
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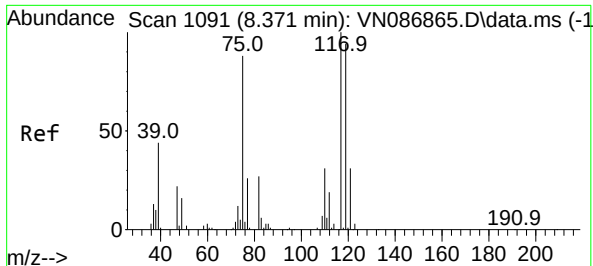
Tgt Ion:113 Resp: 163424
Ion Ratio Lower Upper
113 100
111 102.1 84.2 126.2
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.948 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

Tgt Ion: 75 Resp: 25240
Ion Ratio Lower Upper
75 100
110 7.9 17.6 52.9#
77 0.0 25.3 37.9#

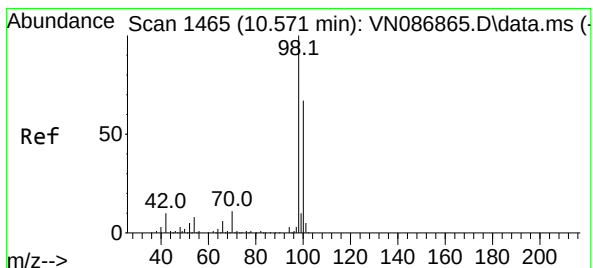
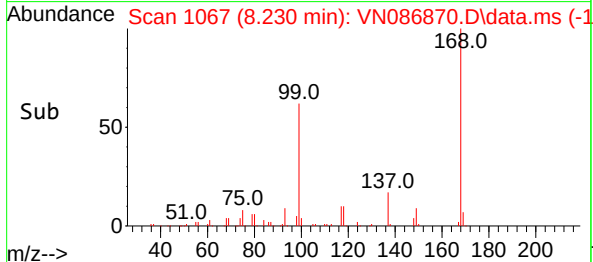
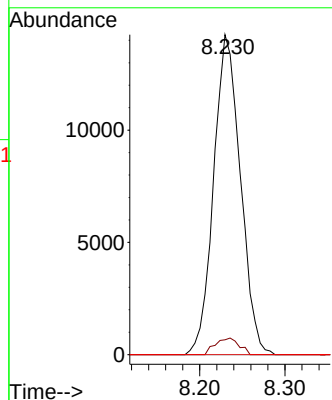
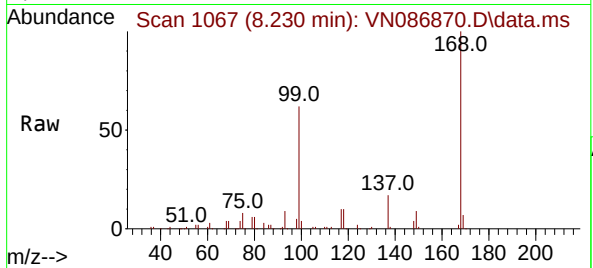




#38
Carbon Tetrachloride
Concen: 6.203 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

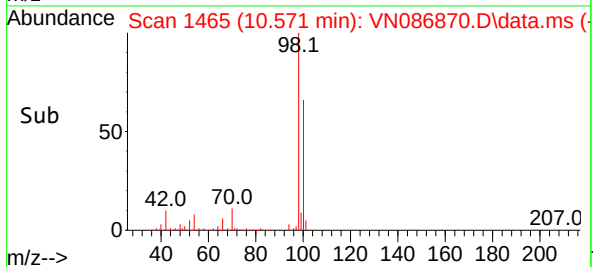
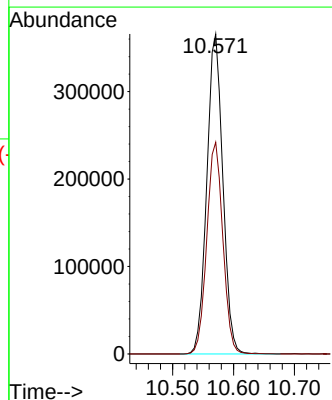
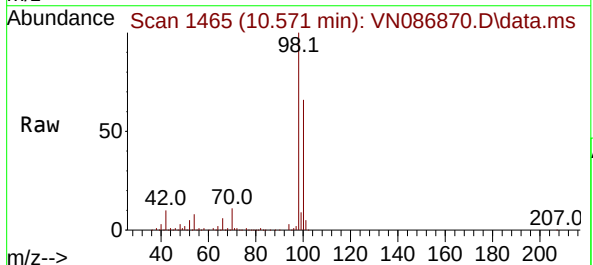
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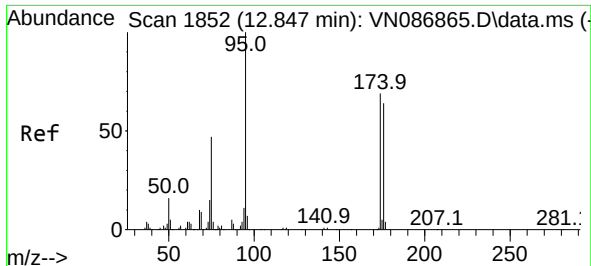
Tgt Ion:117 Resp: 31066
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 49.320 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

Tgt Ion: 98 Resp: 668369
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0

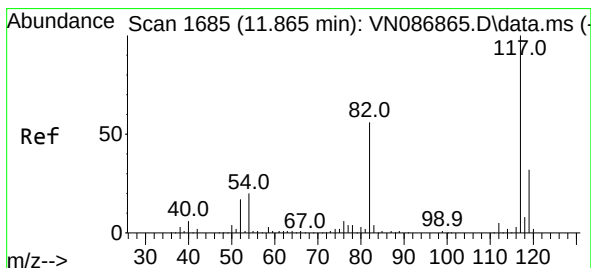
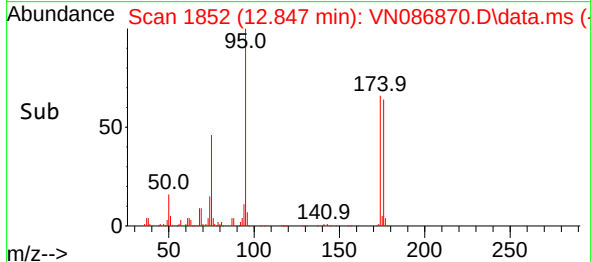
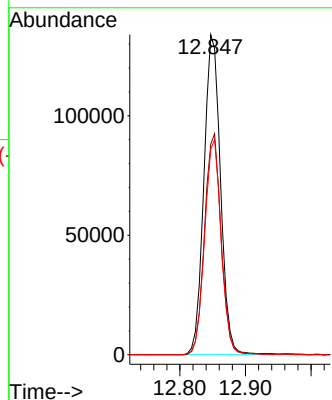
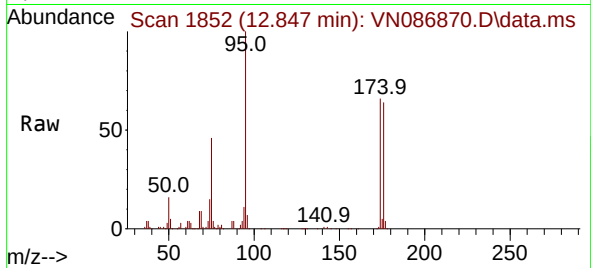




#62
4-Bromofluorobenzene
Concen: 46.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

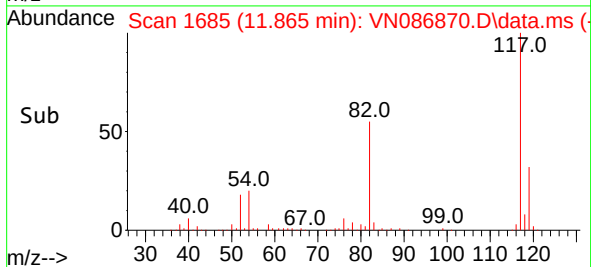
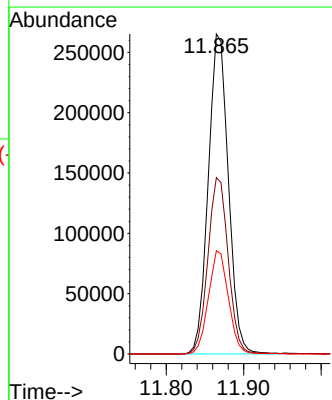
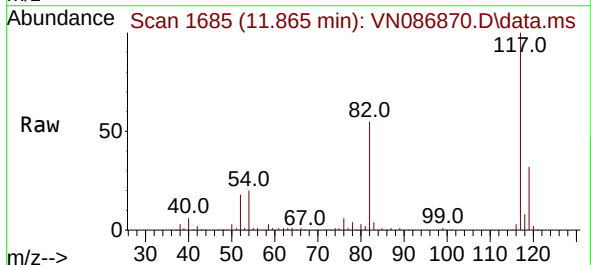
Instrument :
MSVOA_N
ClientSampleId :
VN0606WBL01

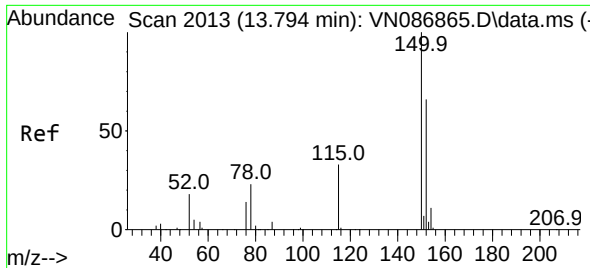
Tgt Ion: 95 Resp: 236488
Ion Ratio Lower Upper
95 100
174 68.9 0.0 141.8
176 66.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

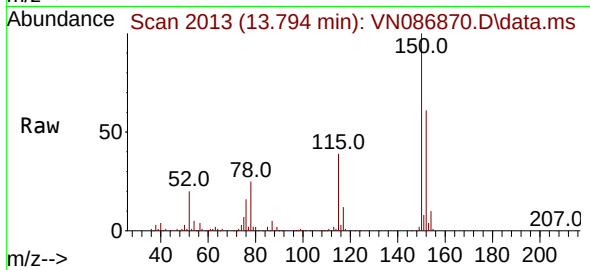
Tgt Ion: 117 Resp: 479097
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 32.3 25.5 38.3



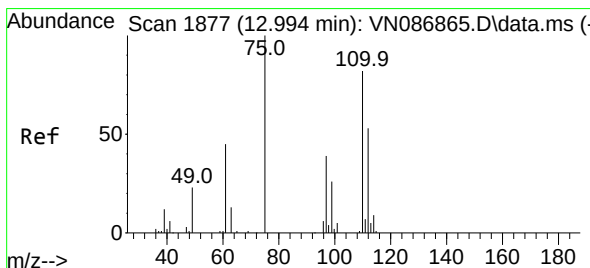
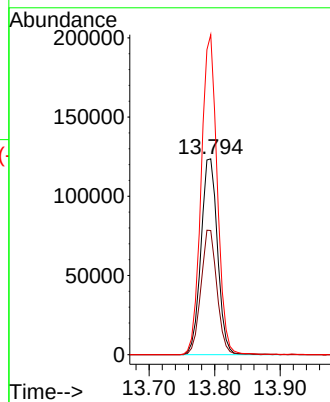
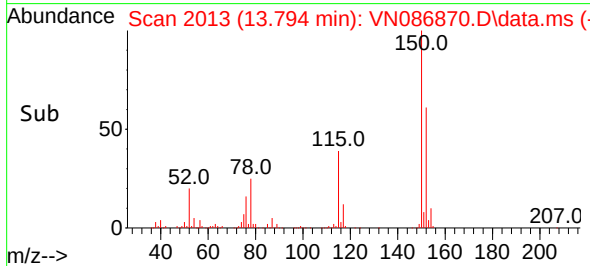


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBL01

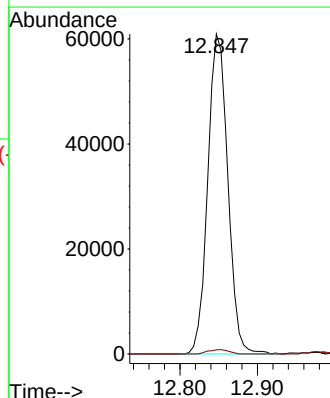
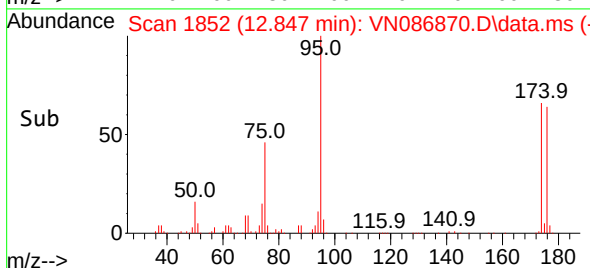
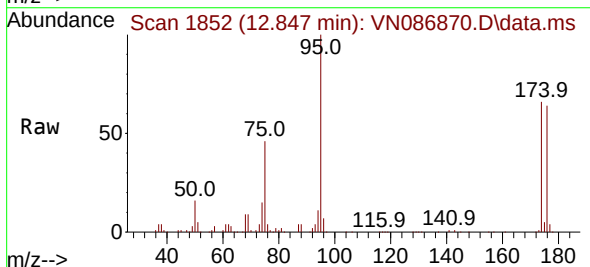


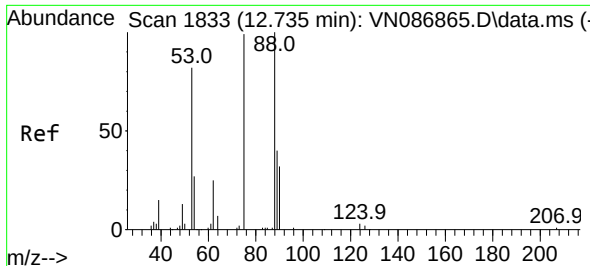
Tgt Ion:152 Resp: 217876
Ion Ratio Lower Upper
152 100
115 61.4 30.1 90.5
150 158.0 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 21.112 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086870.D
Acq: 06 Jun 2025 16:47

Tgt Ion: 75 Resp: 109337
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#

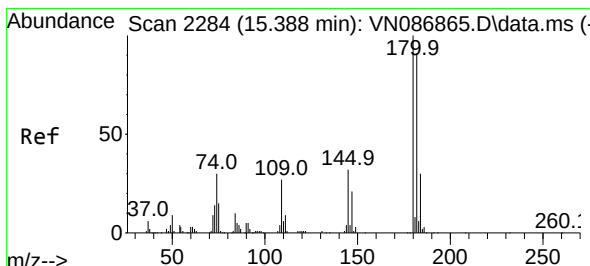
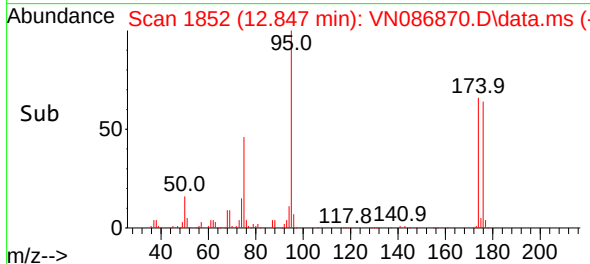
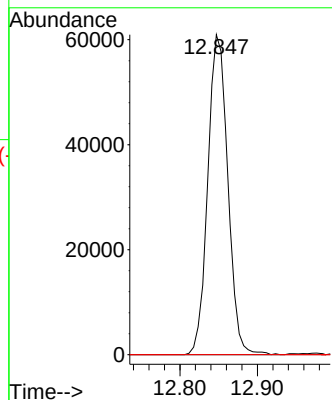
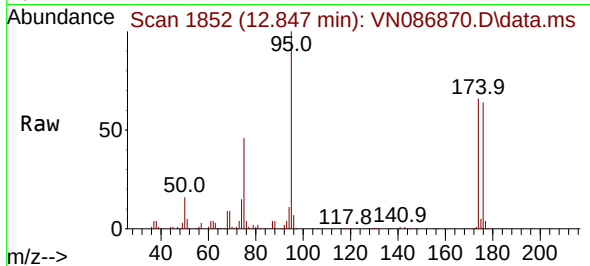




#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.598 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN086870.D
 Acq: 06 Jun 2025 16:47

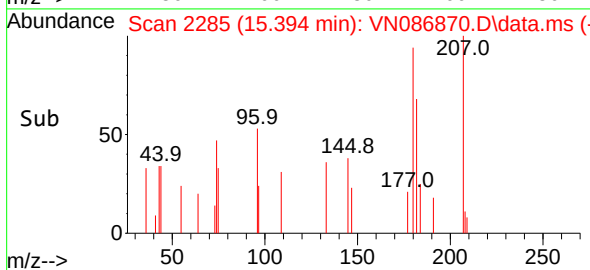
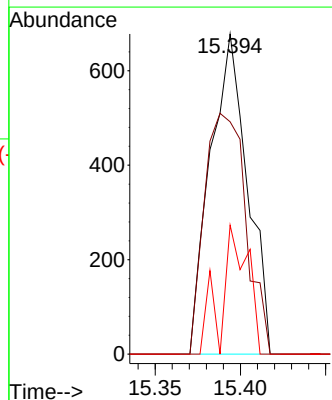
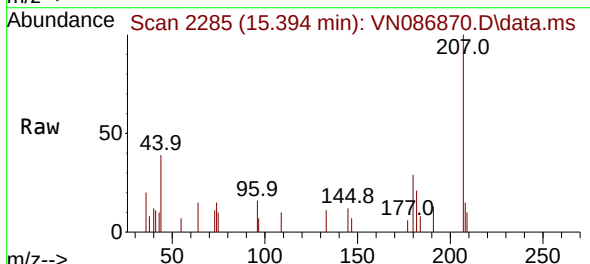
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBL01

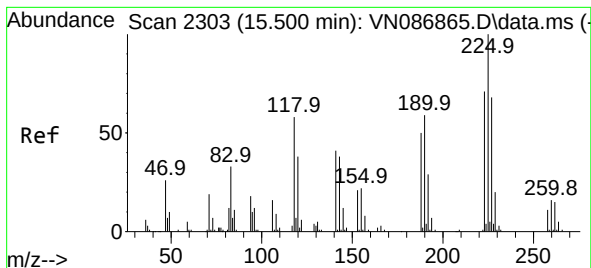
Tgt Ion: 75 Resp: 109337
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.234 ug/l
 RT: 15.394 min Scan# 2285
 Delta R.T. 0.006 min
 Lab File: VN086870.D
 Acq: 06 Jun 2025 16:47

Tgt Ion: 180 Resp: 1028
 Ion Ratio Lower Upper
 180 100
 182 83.9 46.9 140.7
 145 29.2 16.0 47.9





#94

Hexachlorobutadiene

Concen: 0.218 ug/l

RT: 15.512 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN086870.D

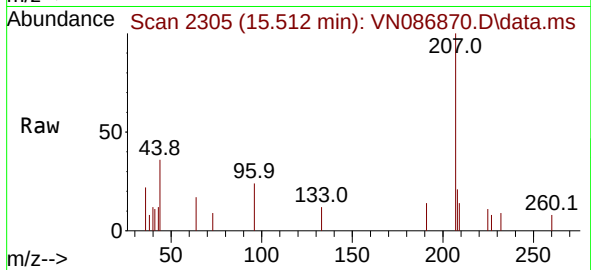
Acq: 06 Jun 2025 16:47

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBL01



Tgt Ion:225 Resp: 357

Ion Ratio Lower Upper

225 100

223 16.0 33.5 100.4#

227 49.0 31.1 93.5

