

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051225\
 Data File : VN086572.D
 Acq On : 12 May 2025 11:41
 Operator : JC\MD
 Sample : VN0512WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0512WBL01

Quant Time: May 13 01:47:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

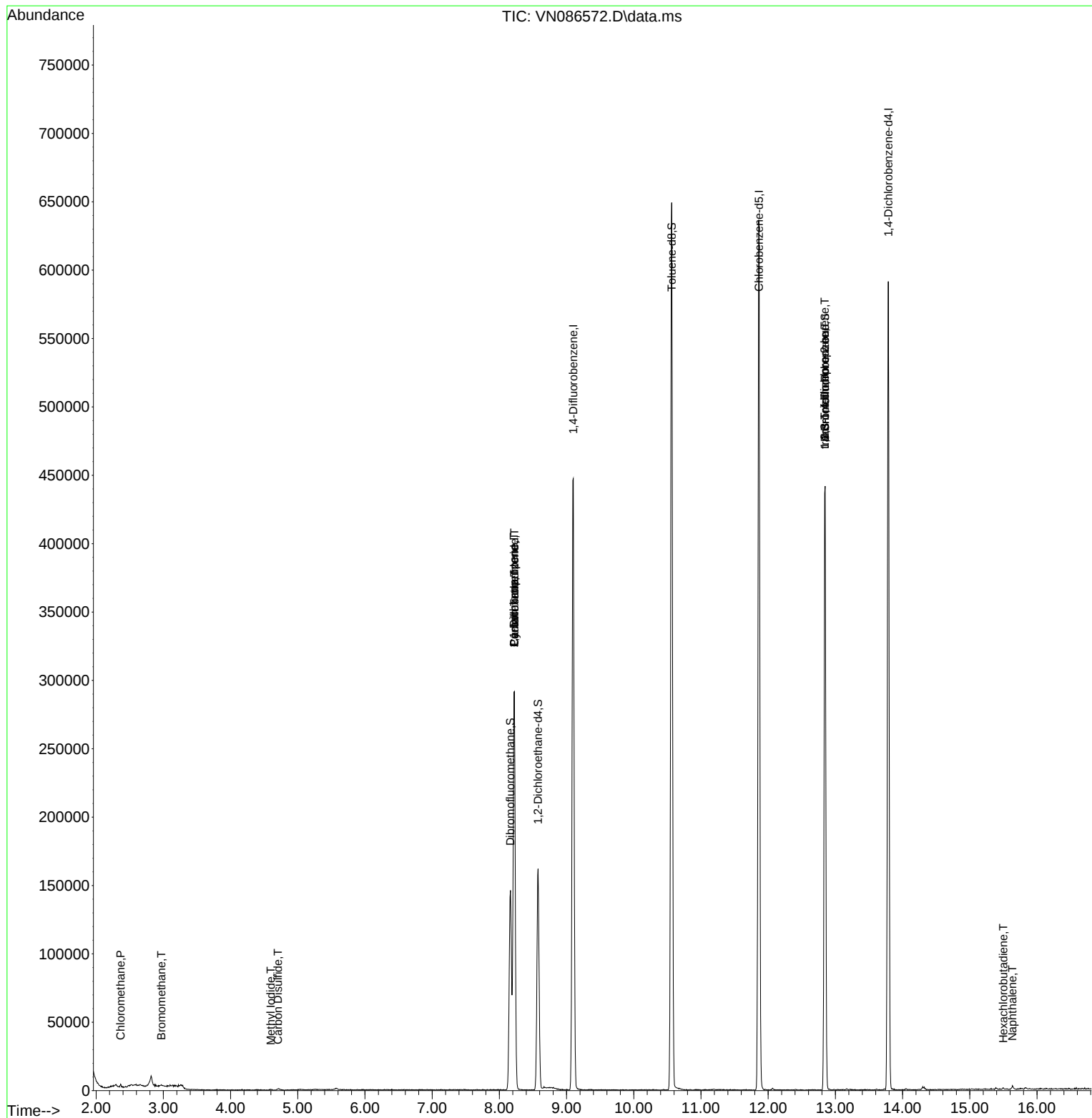
Internal Standards						
1) Pentafluorobenzene	8.224	168	220253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	408251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	383890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	164421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133521	41.805	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.620%		
35) Dibromofluoromethane	8.165	113	111126	58.650	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	117.300%		
50) Toluene-d8	10.565	98	465048	45.924	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.840%		
62) 4-Bromofluorobenzene	12.847	95	165921	44.922	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.840%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1561	0.411	ug/l	93
5) Bromomethane	2.971	94	942	0.578	ug/l #	72
10) Methyl Iodide	4.600	142	722	0.271	ug/l #	42
13) Acrolein	4.171	56	139	Below Cal	#	63
16) Acetone	4.436	43	75	Below Cal	#	43
17) Carbon Disulfide	4.706	76	2279	0.294	ug/l #	74
31) Cyclohexane	8.224	56	4585	0.886	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	17142	4.530	ug/l #	49
38) Carbon Tetrachloride	8.224	117	21751	6.035	ug/l #	14
43) Isopropyl Acetate	8.671	43	189	Below Cal	#	55
71) Bromoform	12.847	173	871	0.409	ug/l #	1
76) 1,2,3-Trichloropropane	12.841	75	84543	21.789	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.841	75	84543	52.329	ug/l #	10
94) Hexachlorobutadiene	15.500	225	346	0.352	ug/l #	63
95) Naphthalene	15.635	128	3032	0.329	ug/l #	92

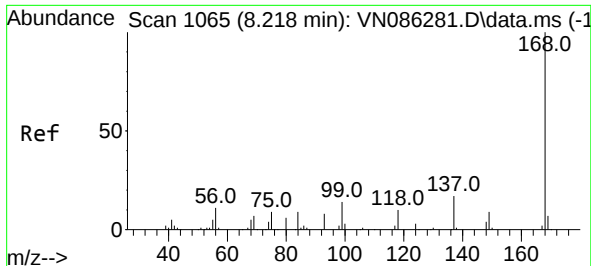
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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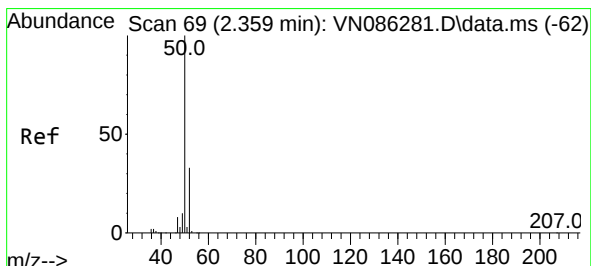
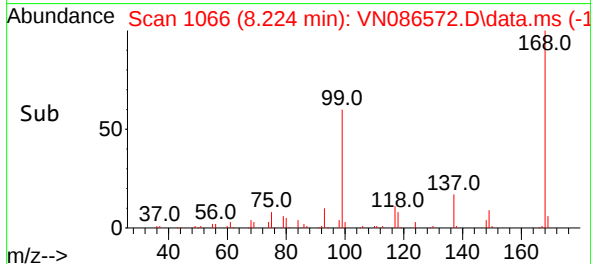
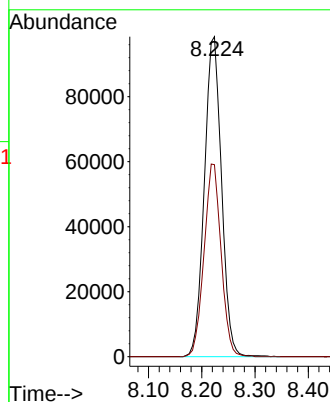
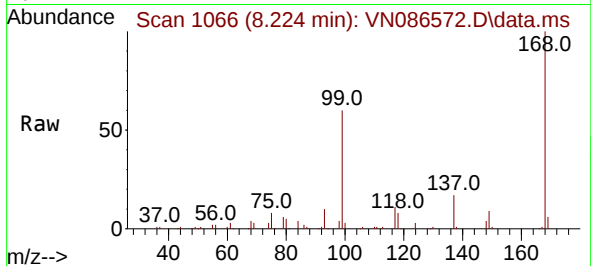




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

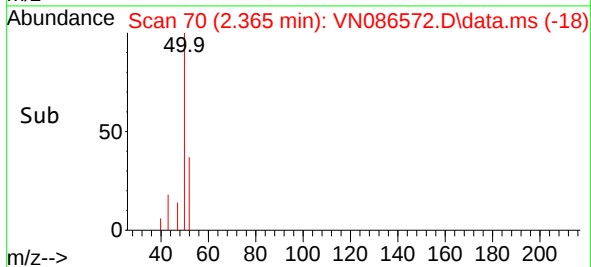
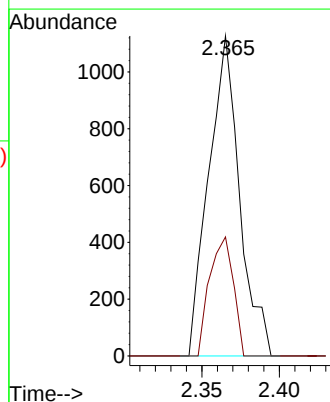
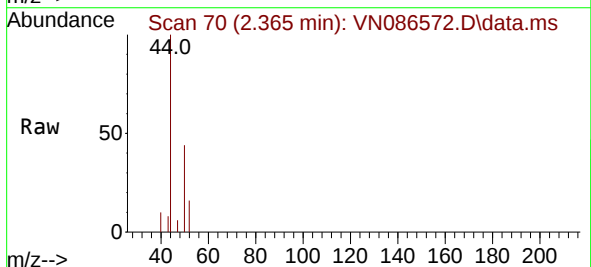
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBL01

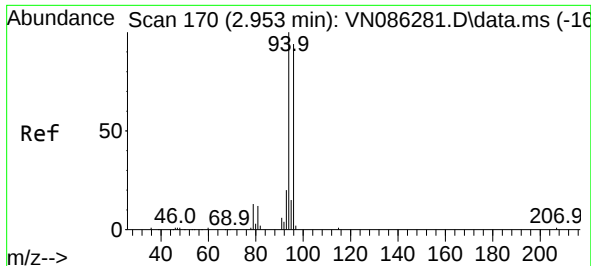
Tgt Ion:168 Resp: 220253
Ion Ratio Lower Upper
168 100
99 60.0 52.5 78.7



#3
Chloromethane
Concen: 0.411 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

Tgt Ion: 50 Resp: 1561
Ion Ratio Lower Upper
50 100
52 37.2 26.5 39.7

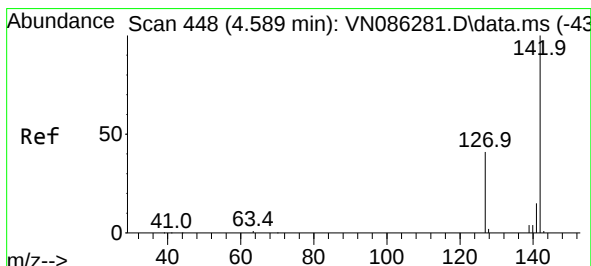
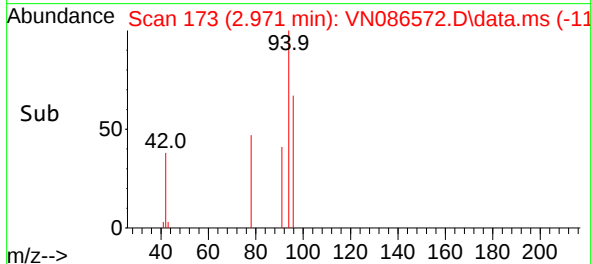
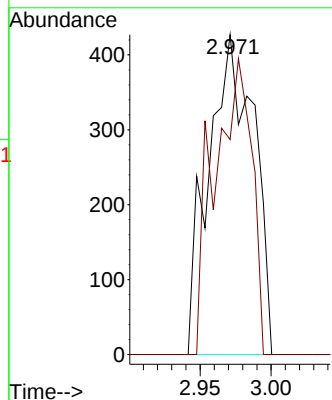
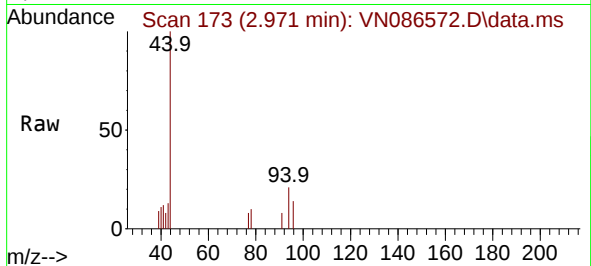




#5
Bromomethane
Concen: 0.578 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

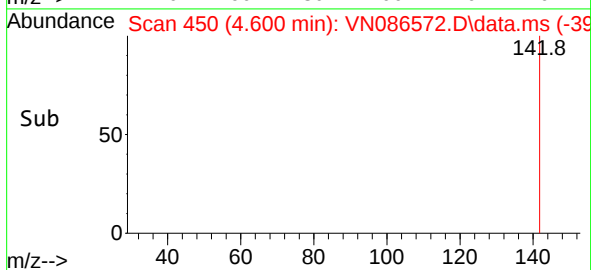
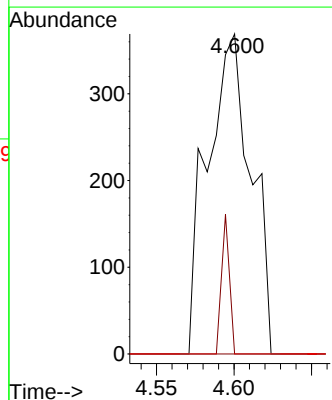
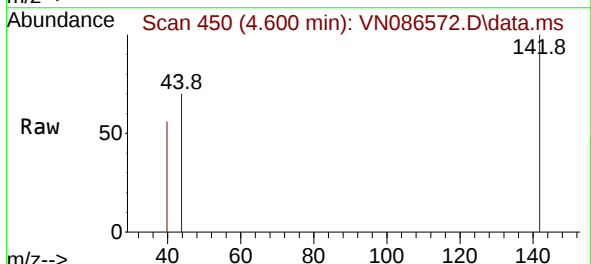
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBL01

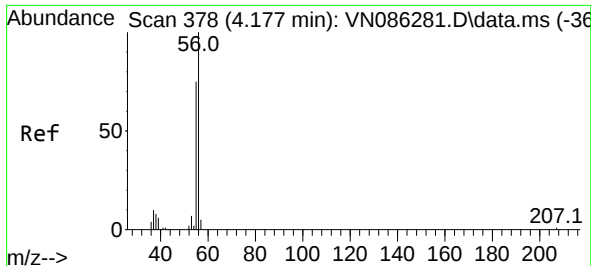
Tgt Ion: 94 Resp: 942
Ion Ratio Lower Upper
94 100
96 67.2 75.2 112.8#



#10
Methyl Iodide
Concen: 0.271 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

Tgt Ion: 142 Resp: 722
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

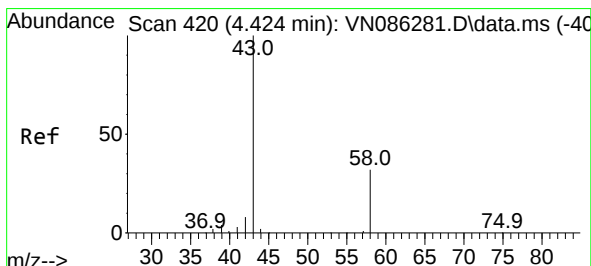
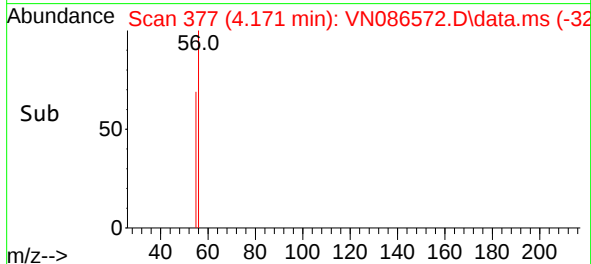
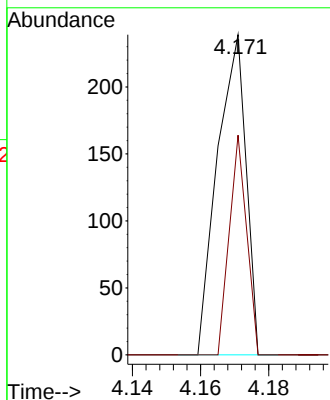
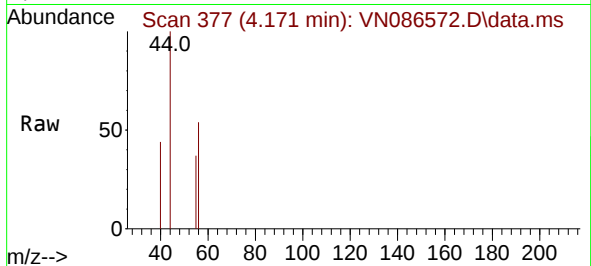




#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

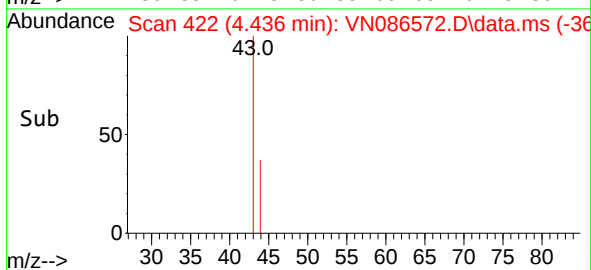
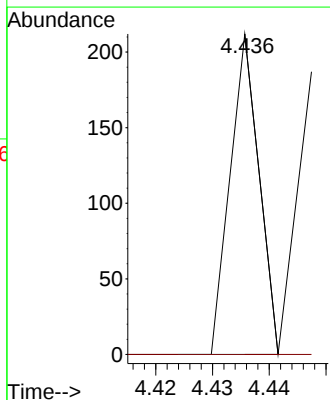
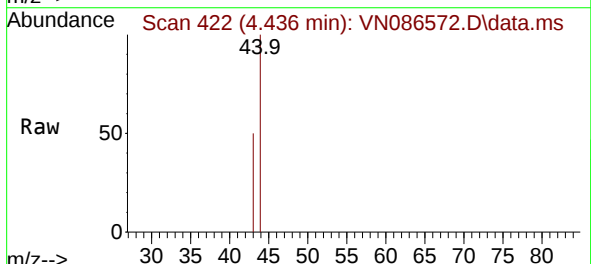
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBL01

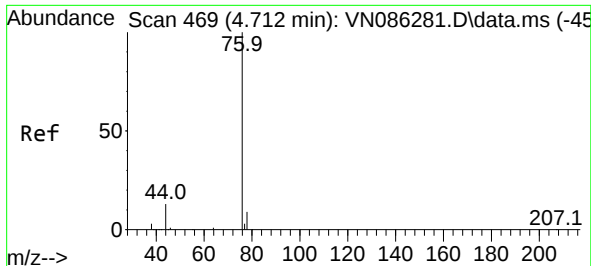
Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 41.7 58.5 87.7#



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#

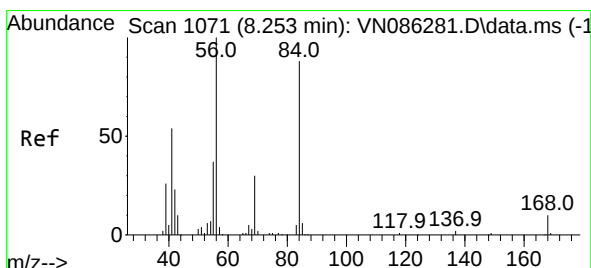
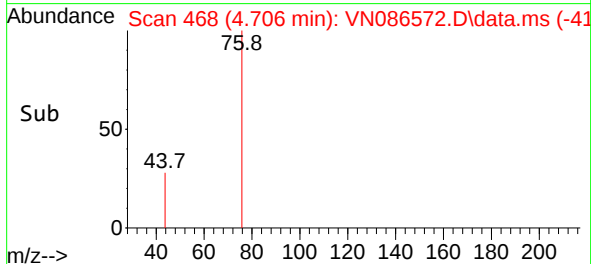
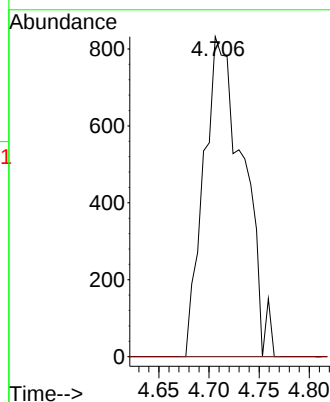
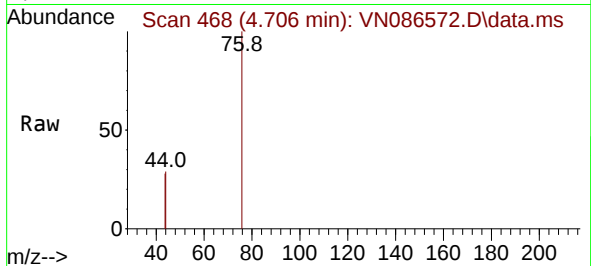




#17
Carbon Disulfide
Concen: 0.294 ug/l
RT: 4.706 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

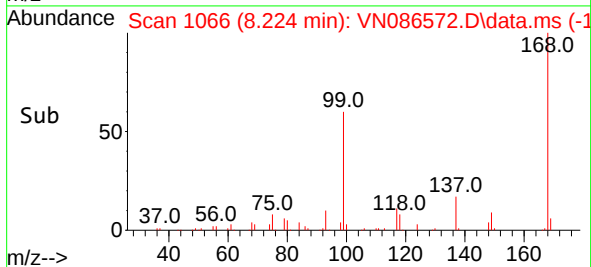
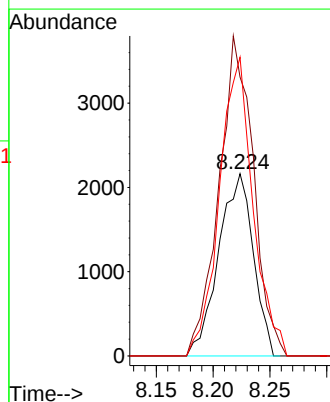
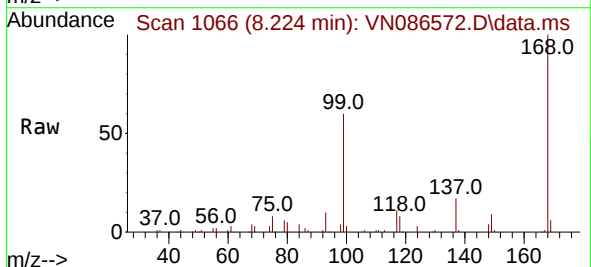
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBL01

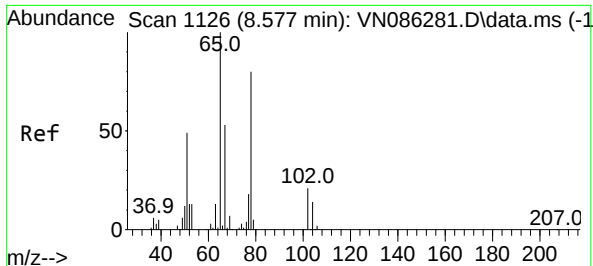
Tgt Ion: 76 Resp: 2279
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#31
Cyclohexane
Concen: 0.886 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

Tgt Ion: 56 Resp: 4585
Ion Ratio Lower Upper
56 100
69 153.1 24.2 36.2#
84 164.0 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 41.805 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086572.D

Acq: 12 May 2025 11:41

Instrument :

MSVOA_N

ClientSampleId :

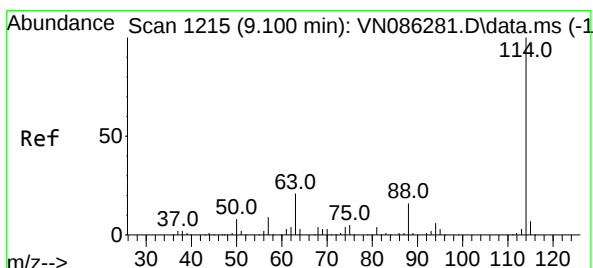
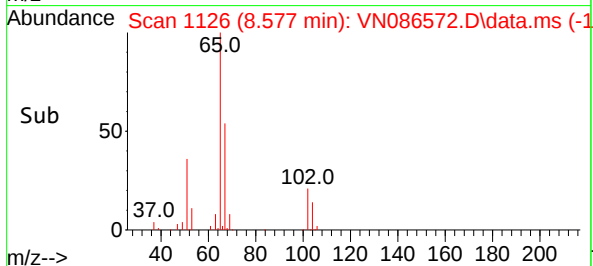
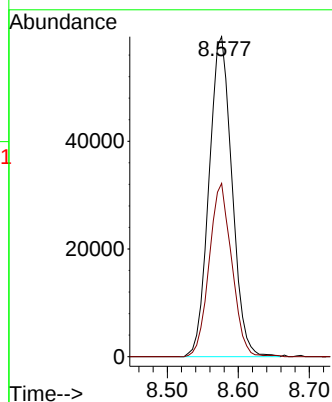
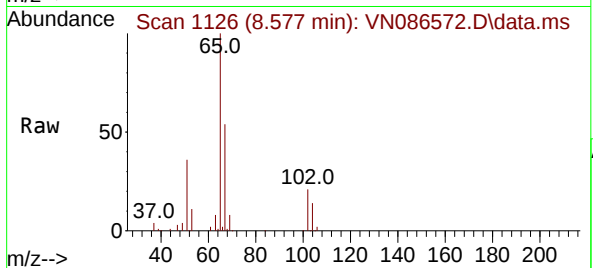
VN0512WBL01

Tgt Ion: 65 Resp: 133521

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086572.D

Acq: 12 May 2025 11:41

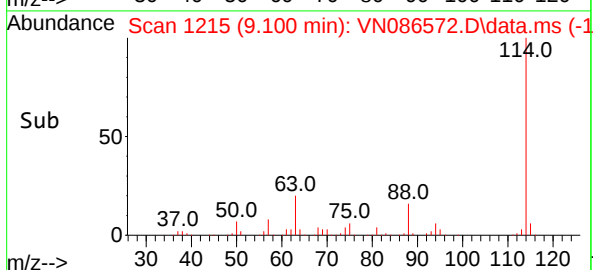
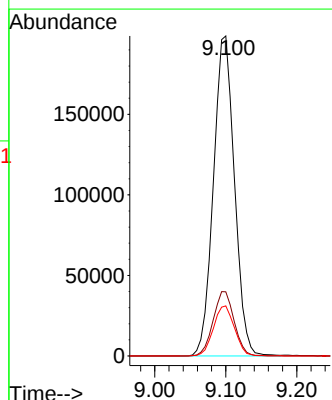
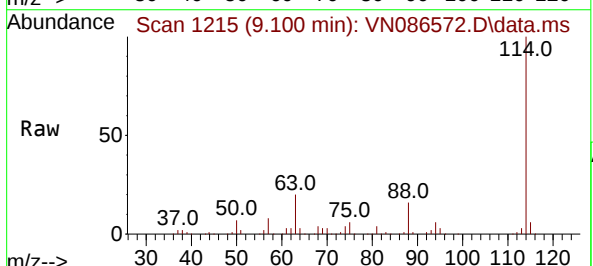
Tgt Ion: 114 Resp: 408251

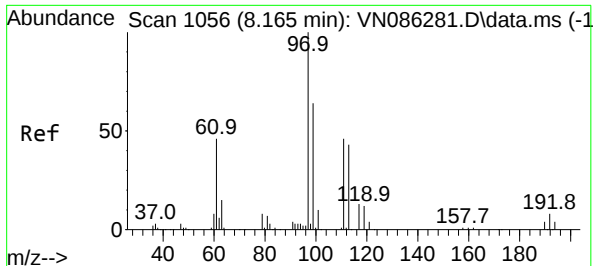
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 58.650 ug/l

RT: 8.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086572.D

Acq: 12 May 2025 11:41

Instrument :

MSVOA_N

ClientSampleId :

VN0512WBL01

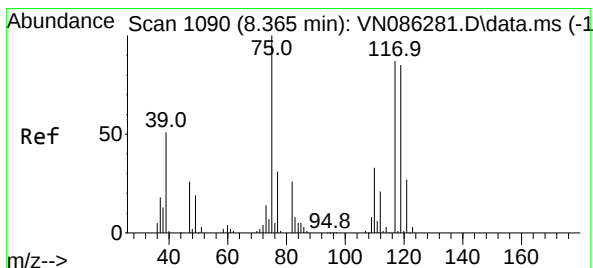
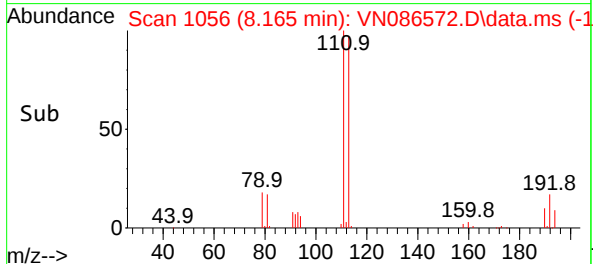
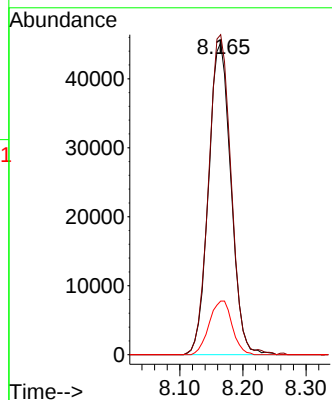
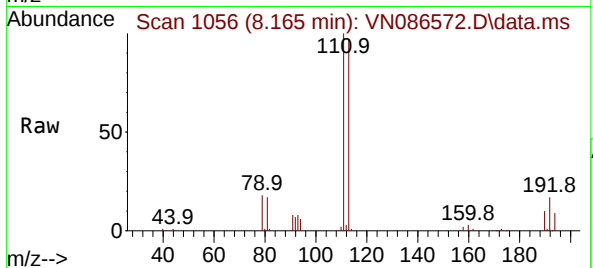
Tgt Ion:113 Resp: 111126

Ion Ratio Lower Upper

113 100

111 103.2 83.4 125.0

192 17.7 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.530 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086572.D

Acq: 12 May 2025 11:41

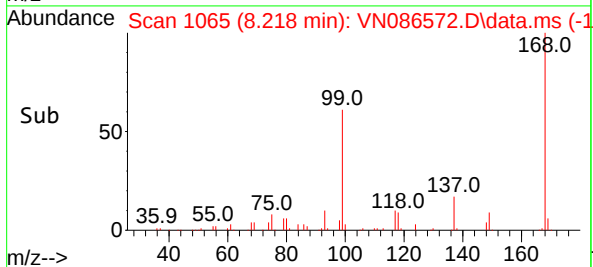
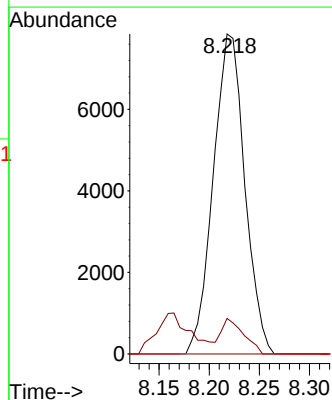
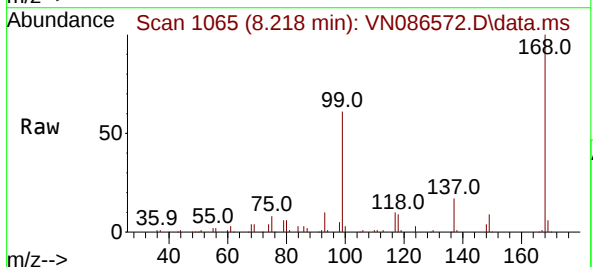
Tgt Ion: 75 Resp: 17142

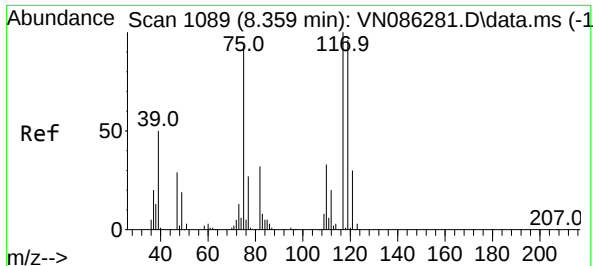
Ion Ratio Lower Upper

75 100

110 7.8 16.8 50.4#

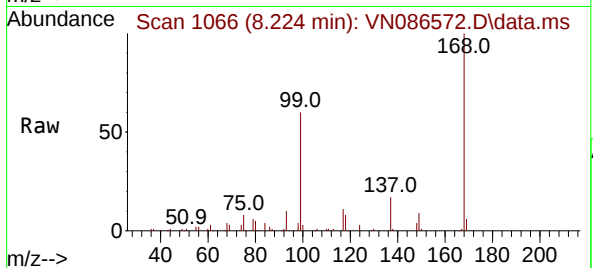
77 0.0 24.9 37.3#



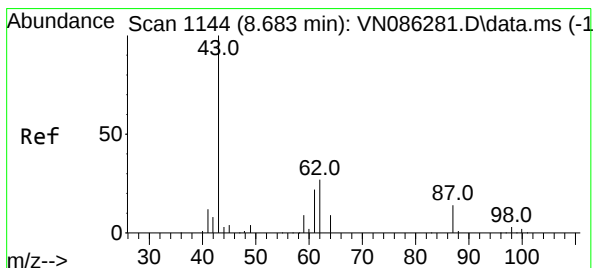
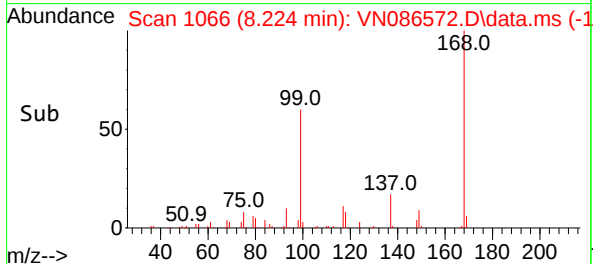
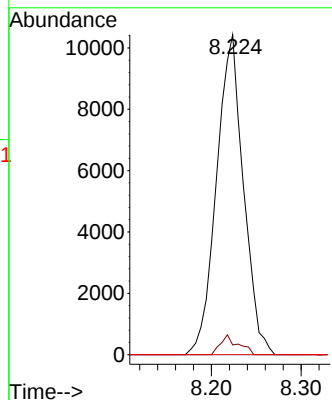


#38
Carbon Tetrachloride
Concen: 6.035 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBL01

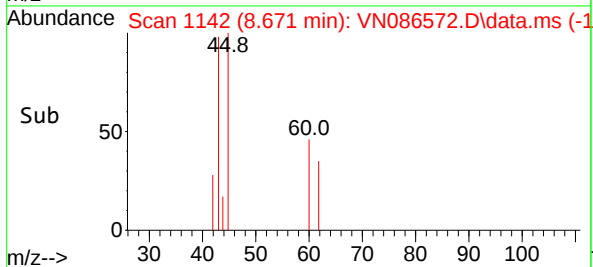
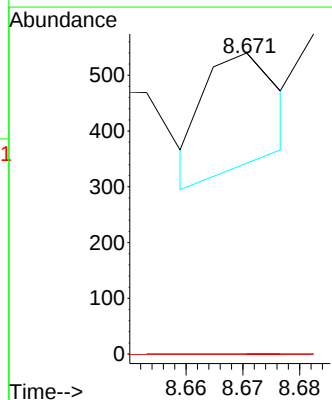
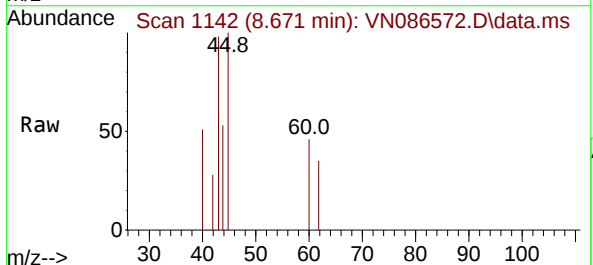


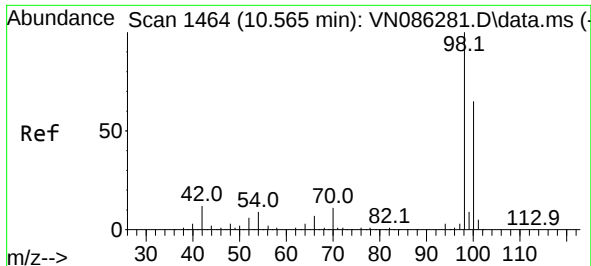
Tgt Ion:117 Resp: 21751
Ion Ratio Lower Upper
117 100
119 3.0 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.671 min Scan# 1142
Delta R.T. -0.012 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

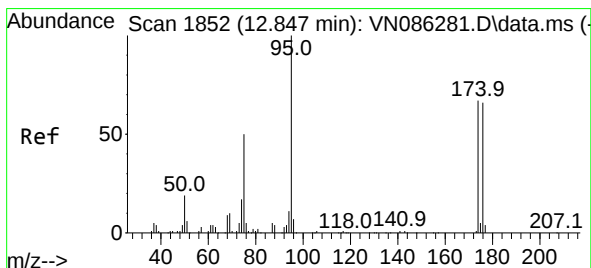
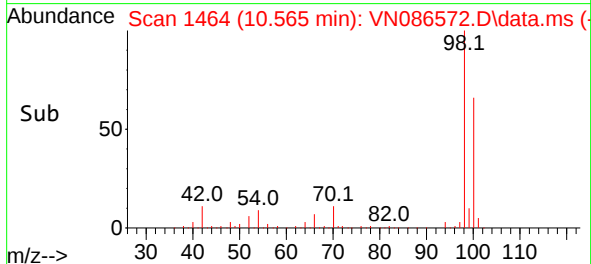
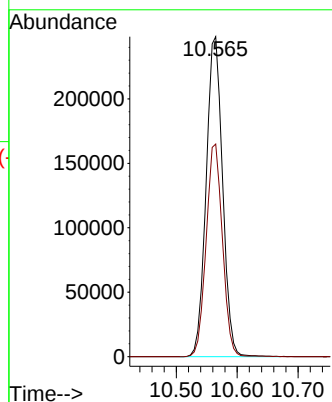
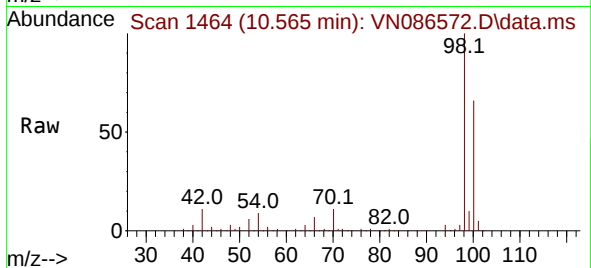




#50
Toluene-d8
Concen: 45.924 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

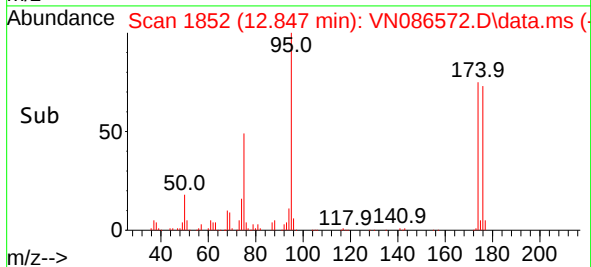
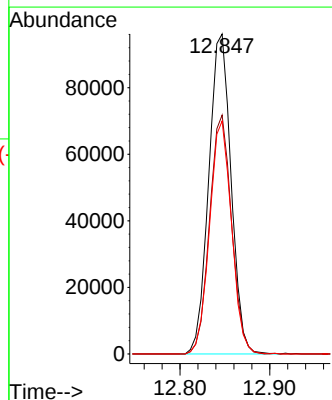
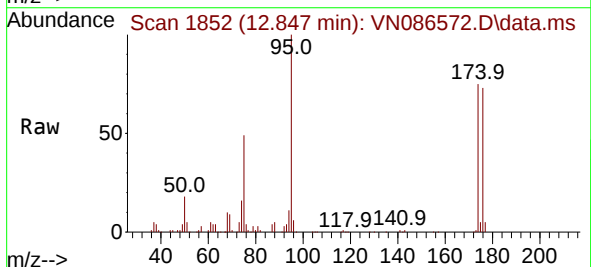
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBL01

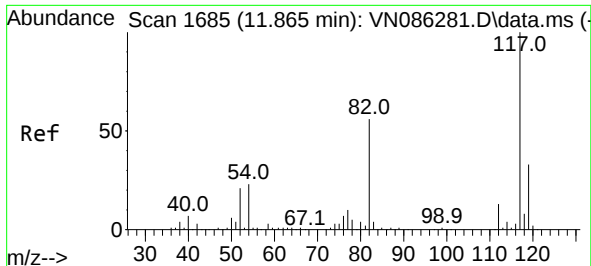
Tgt Ion: 98 Resp: 465048
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 44.922 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

Tgt Ion: 95 Resp: 165921
Ion Ratio Lower Upper
95 100
174 73.8 0.0 133.4
176 71.5 0.0 129.2

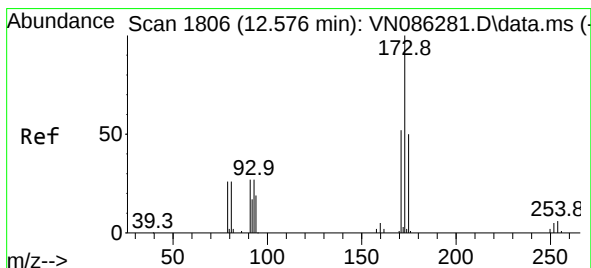
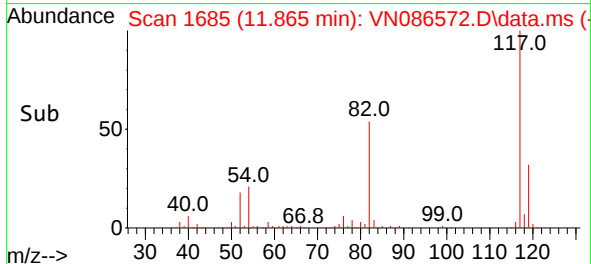
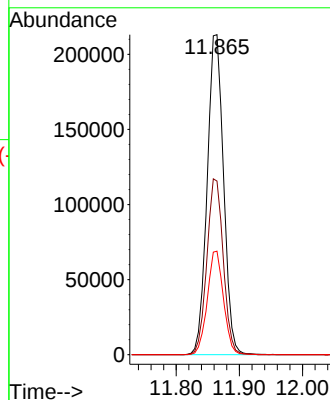
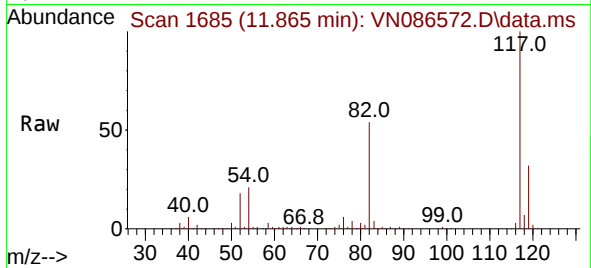




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

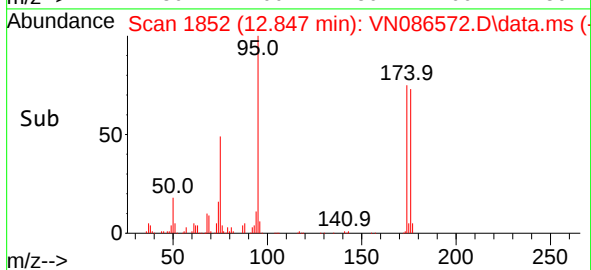
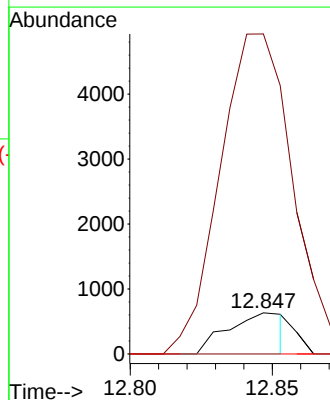
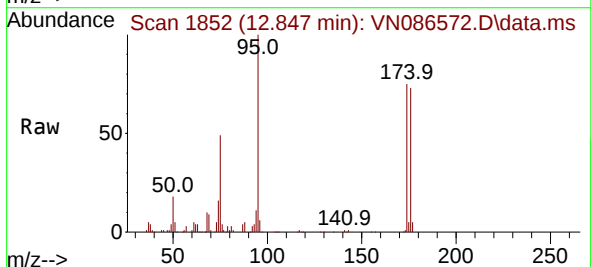
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBL01

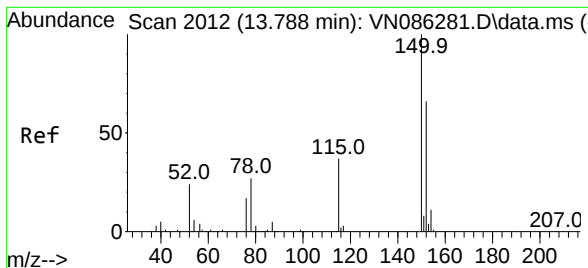
Tgt Ion:117 Resp: 383890
Ion Ratio Lower Upper
117 100
82 54.3 44.7 67.1
119 32.3 26.4 39.6



#71
Bromoform
Concen: 0.409 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

Tgt Ion:173 Resp: 871
Ion Ratio Lower Upper
173 100
175 850.7 24.6 73.6#
254 0.0 0.0 0.0

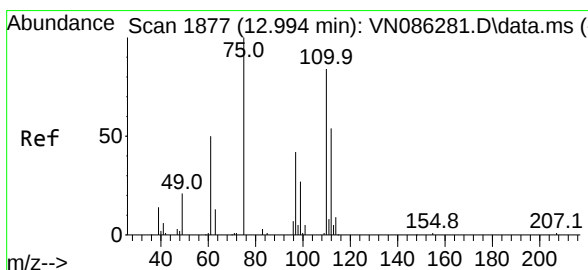
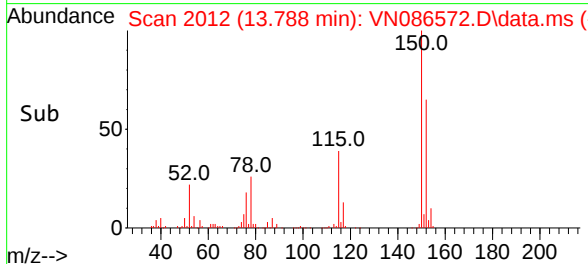
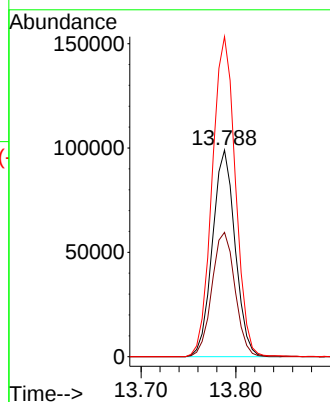
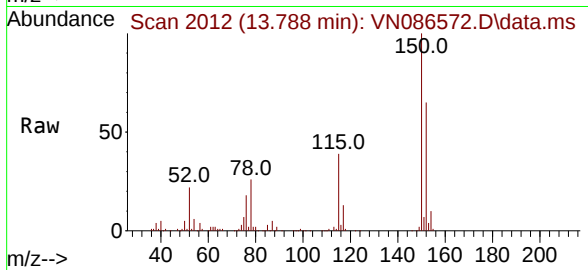




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086572.D
 Acq: 12 May 2025 11:41

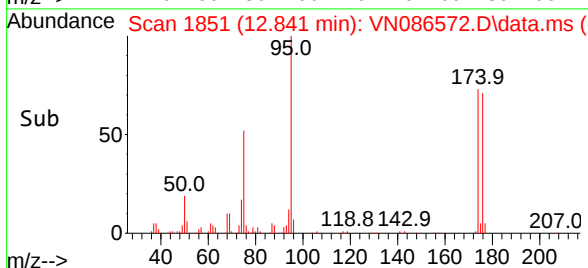
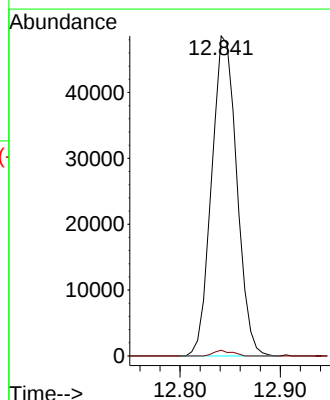
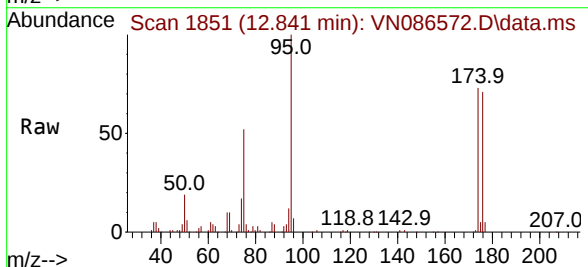
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0512WBL01

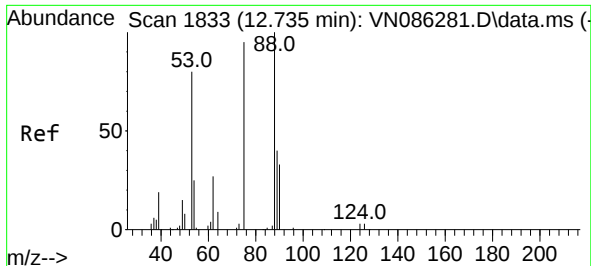
Tgt Ion:152 Resp: 164421
 Ion Ratio Lower Upper
 152 100
 115 61.3 31.9 95.9
 150 158.8 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 21.789 ug/l
 RT: 12.841 min Scan# 1851
 Delta R.T. -0.153 min
 Lab File: VN086572.D
 Acq: 12 May 2025 11:41

Tgt Ion: 75 Resp: 84543
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.8 296.4#

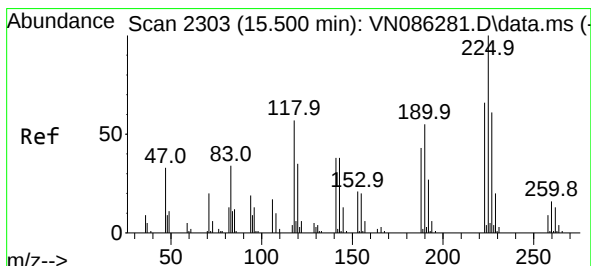
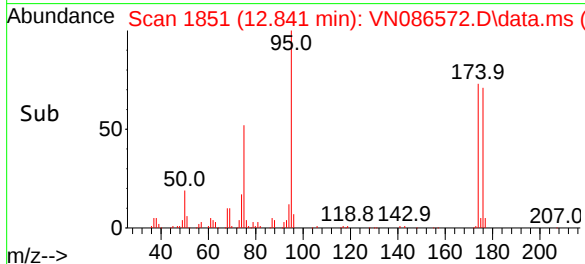
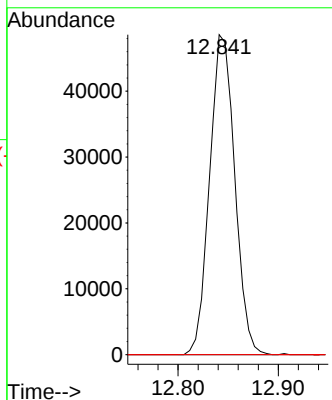
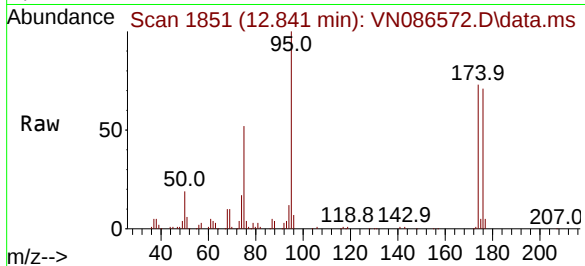




#81
trans-1,4-Dichloro-2-butene
Concen: 52.329 ug/l
RT: 12.841 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

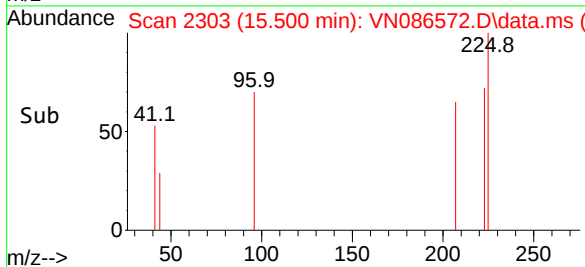
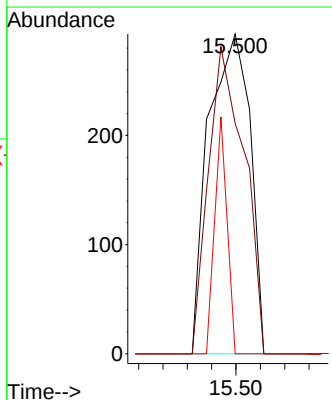
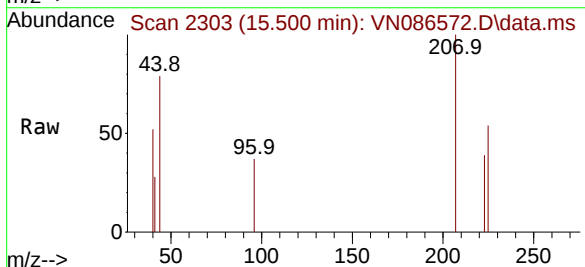
Instrument :
MSVOA_N
ClientSampleId :
VN0512WBL01

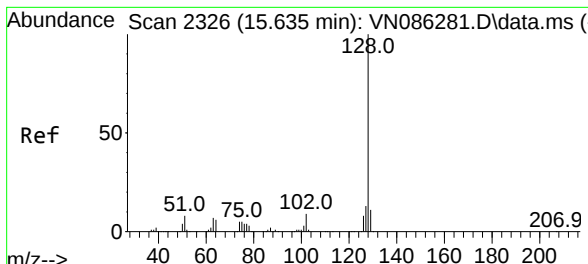
Tgt Ion: 75 Resp: 84543
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#



#94
Hexachlorobutadiene
Concen: 0.352 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

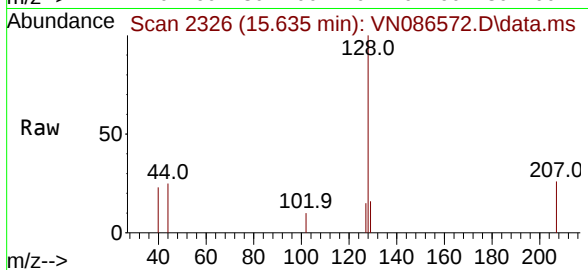
Tgt Ion: 225 Resp: 346
Ion Ratio Lower Upper
225 100
223 82.9 32.8 98.3
227 22.3 31.4 94.0#





#95
Naphthalene
Concen: 0.329 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086572.D
Acq: 12 May 2025 11:41

Instrument :
MSVOA_N
ClientSampleId :
VN0512WBL01



Tgt Ion:128 Resp: 3032
Ion Ratio Lower Upper
128 100
127 10.2 10.2 15.4#
129 7.4 8.6 13.0#

