

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
 Data File : VN086623.D
 Acq On : 14 May 2025 13:44
 Operator : JC\MD
 Sample : Q2014-05 20X
 Misc : 1.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0148

Quant Time: May 15 03:03:04 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)

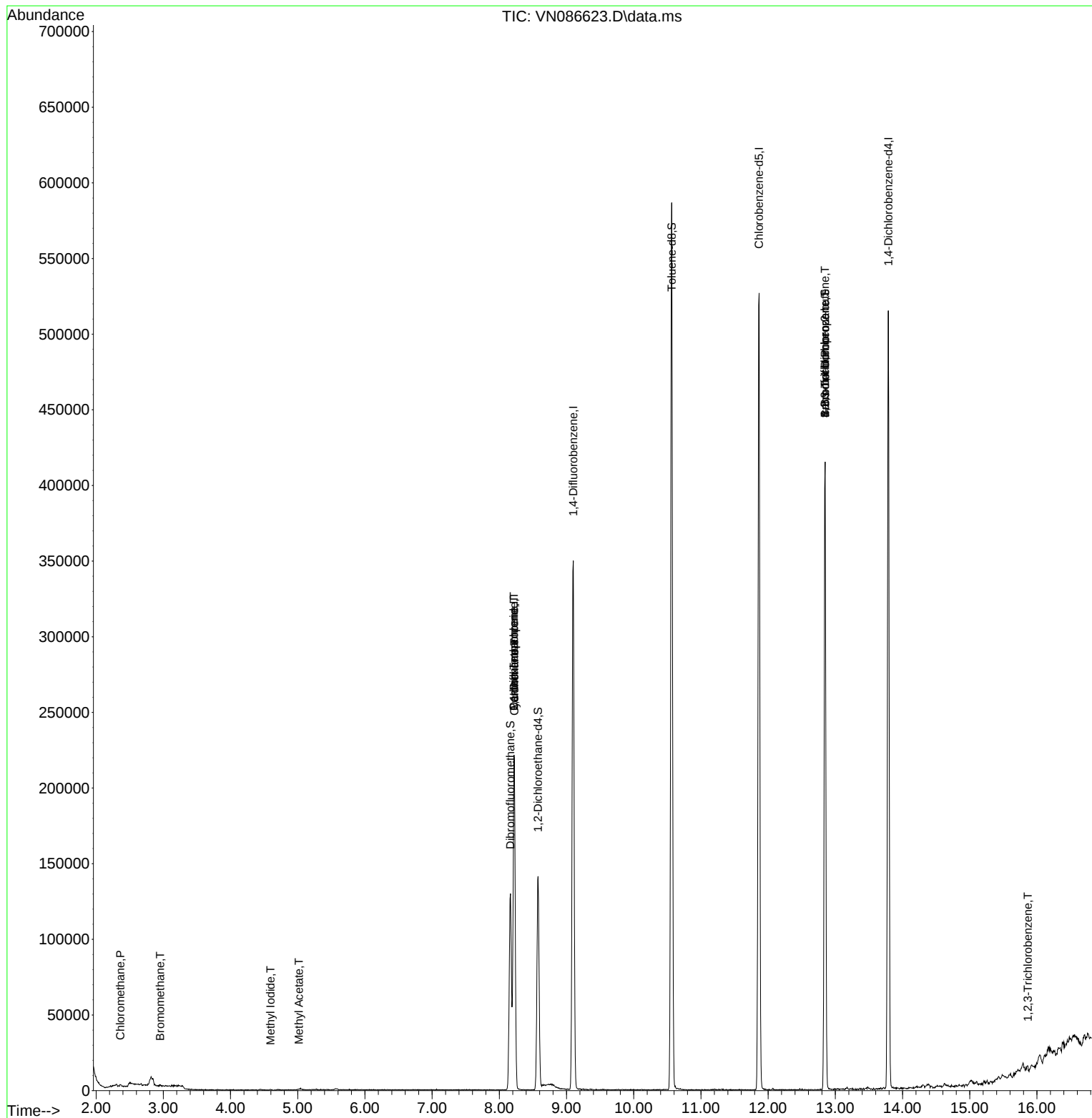
Internal Standards						
1) Pentafluorobenzene	8.218	168	162714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	316031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118249	50.116	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.240%	
35) Dibromofluoromethane	8.165	113	96033	65.474	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 130.940%#	
50) Toluene-d8	10.565	98	411281	52.466	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.940%	
62) 4-Bromofluorobenzene	12.847	95	153105	53.548	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.100%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1125	0.401	ug/l #	81
5) Bromomethane	2.954	94	457	0.380	ug/l #	80
10) Methyl Iodide	4.595	142	617	0.313	ug/l #	42
16) Acetone	4.453	43	854	Below Cal	#	43
18) Methyl Acetate	5.018	43	695	0.245	ug/l #	69
31) Cyclohexane	8.224	56	3618	0.946	ug/l #	2
36) 1,1-Dichloropropene	8.218	75	13206	4.508	ug/l #	50
38) Carbon Tetrachloride	8.218	117	16460	5.900	ug/l #	16
43) Isopropyl Acetate	8.641	43	1781	Below Cal	#	55
71) Bromoform	12.847	173	942	0.542	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77017	23.428	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77017	56.264	ug/l #	10
96) 1,2,3-Trichlorobenzene	15.864	180	601	0.288	ug/l #	12

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
Data File : VN086623.D
Acq On : 14 May 2025 13:44
Operator : JC\MD
Sample : Q2014-05 20X
Misc : 1.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

Quant Time: May 15 03:03:04 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

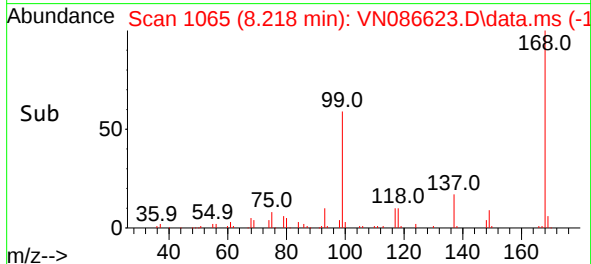
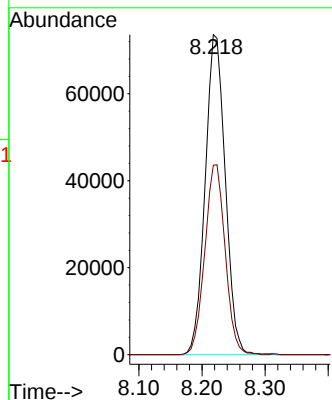
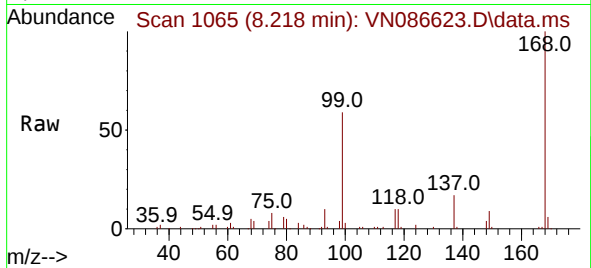




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

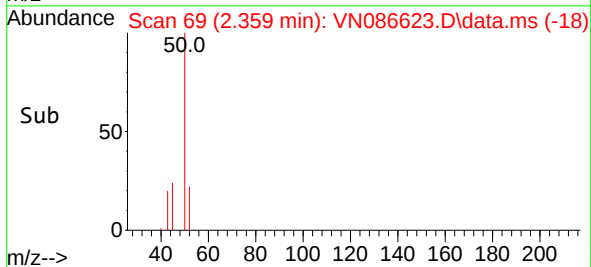
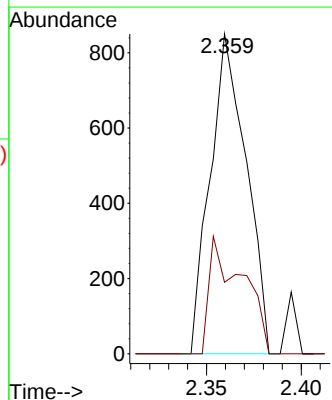
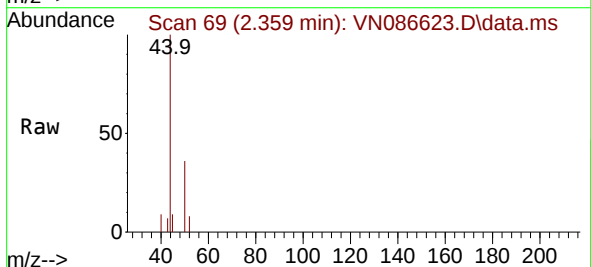
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

Tgt Ion:168 Resp: 162714
Ion Ratio Lower Upper
168 100
99 59.2 52.5 78.7



#3
Chloromethane
Concen: 0.401 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

Tgt Ion: 50 Resp: 1125
Ion Ratio Lower Upper
50 100
52 22.4 26.5 39.7#

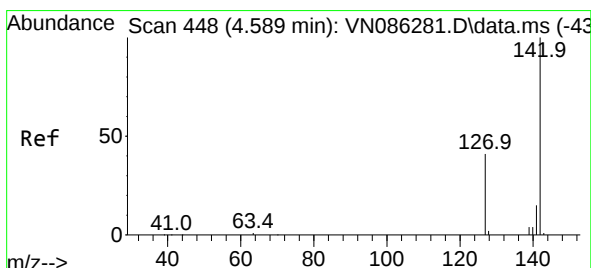
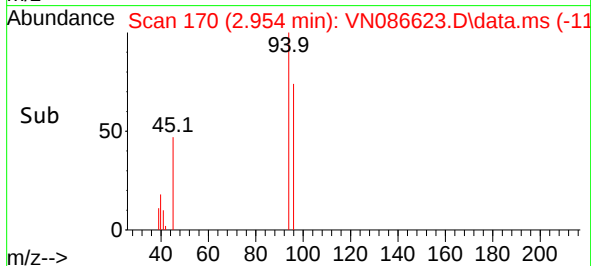
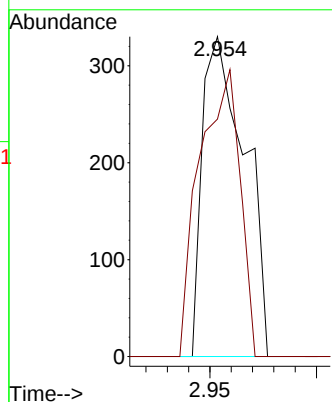
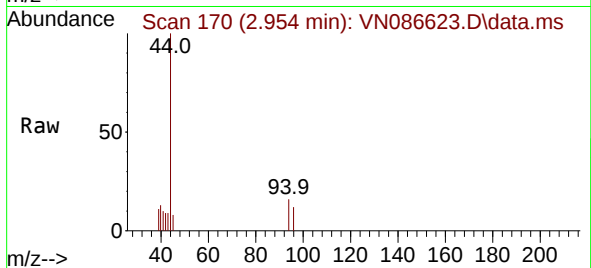




#5
Bromomethane
Concen: 0.380 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

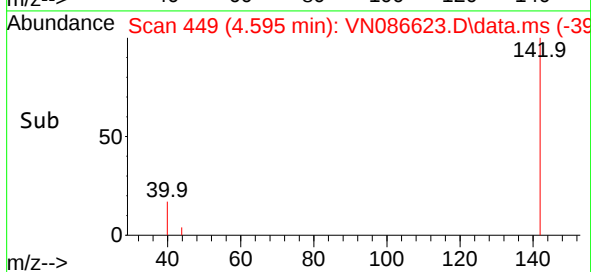
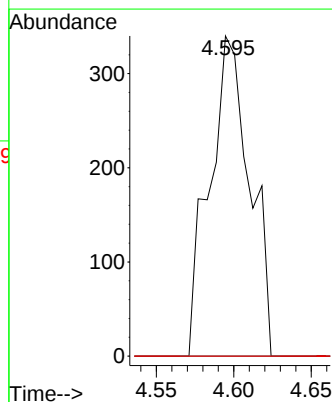
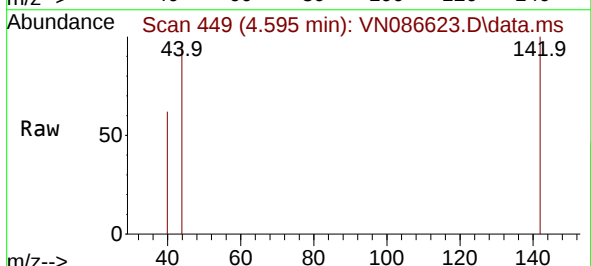
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

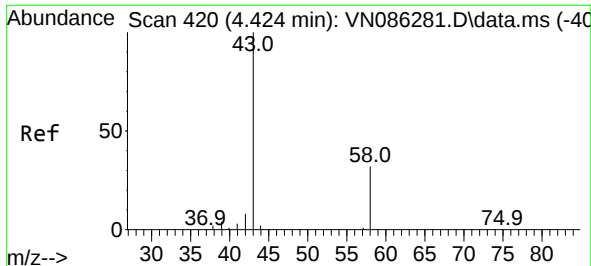
Tgt Ion: 94 Resp: 457
Ion Ratio Lower Upper
94 100
96 74.2 75.2 112.8#



#10
Methyl Iodide
Concen: 0.313 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

Tgt Ion: 142 Resp: 617
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

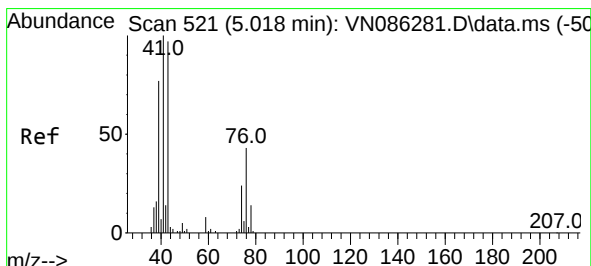
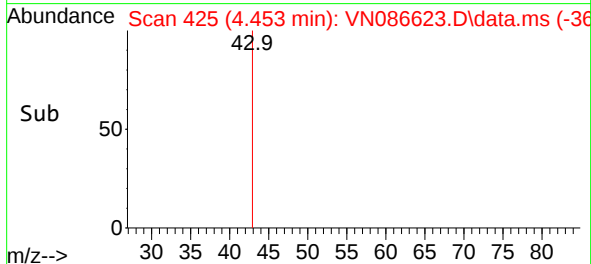
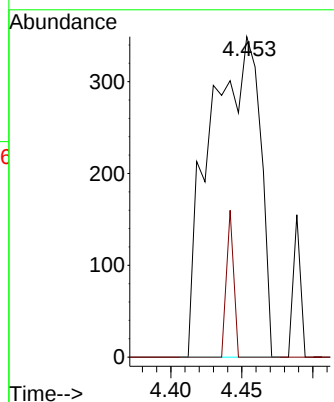
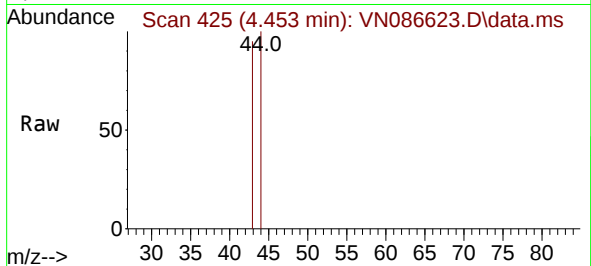




#16
Acetone
Concen: Below Cal
RT: 4.453 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

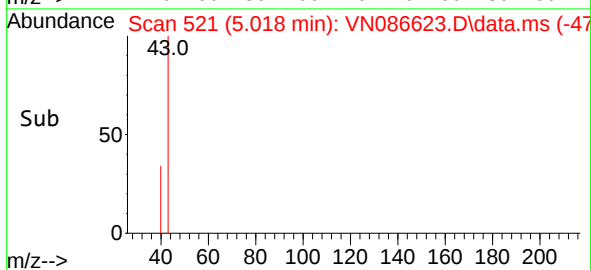
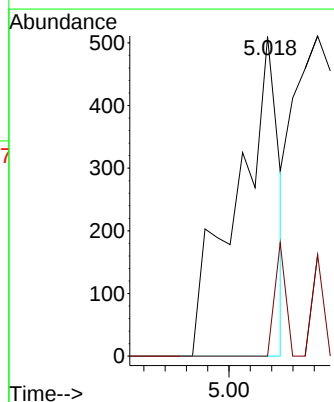
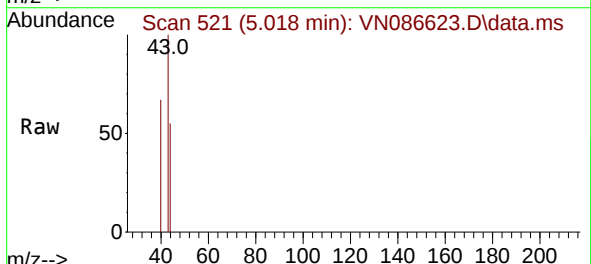
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

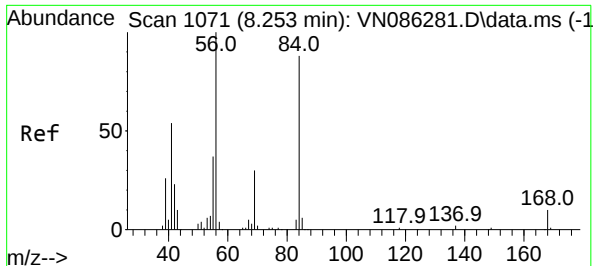
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#18
Methyl Acetate
Concen: 0.245 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
74 9.2 19.8 29.6#

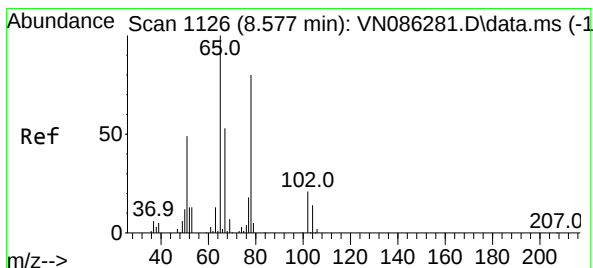
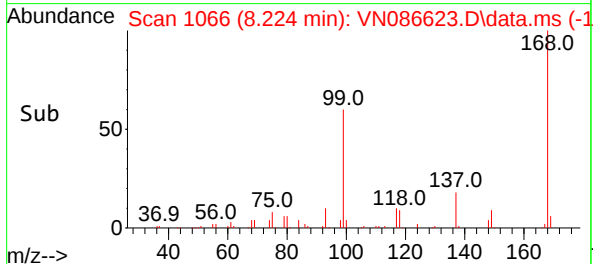
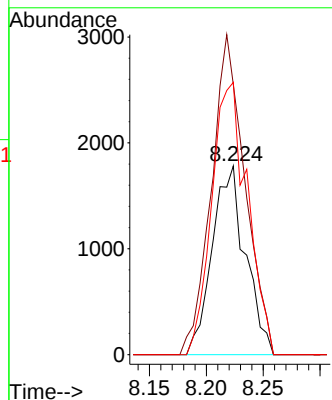
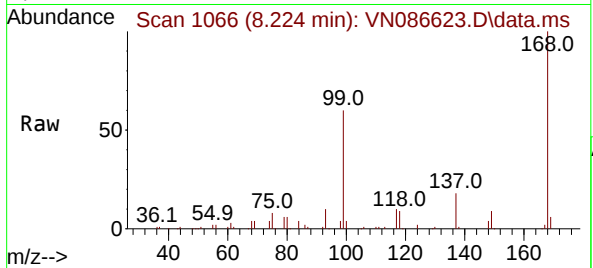




#31
Cyclohexane
Concen: 0.946 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

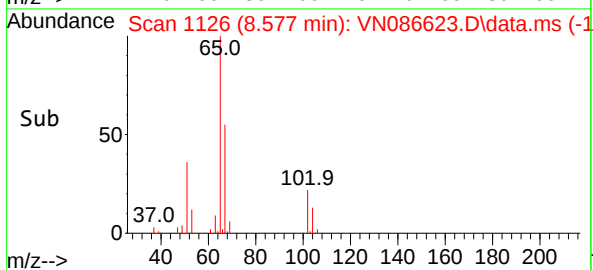
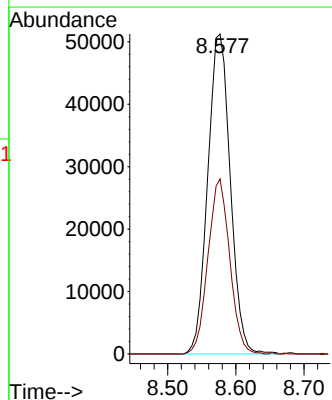
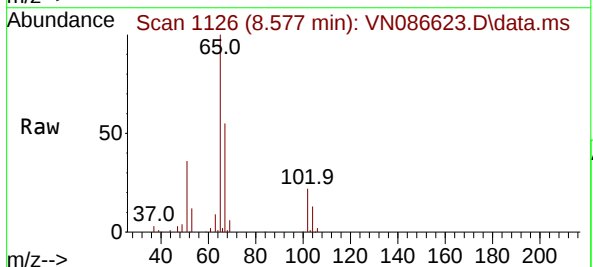
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

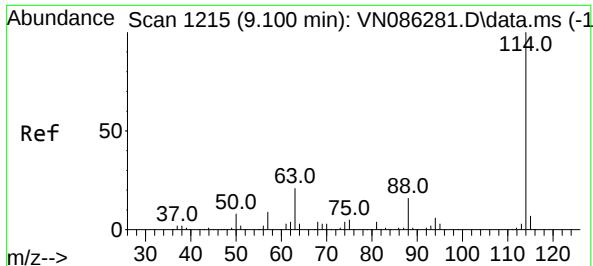
Tgt Ion: 56 Resp: 3618
Ion Ratio Lower Upper
56 100
69 143.0 24.2 36.2#
84 144.2 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 50.116 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

Tgt Ion: 65 Resp: 118249
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086623.D

Acq: 14 May 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0148

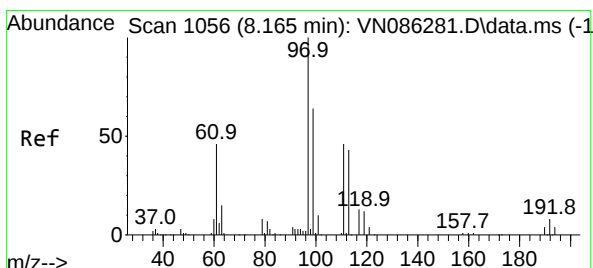
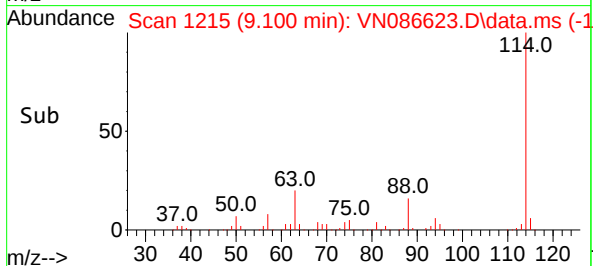
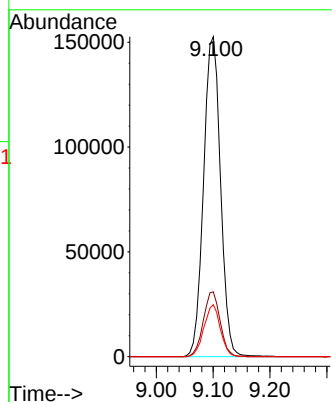
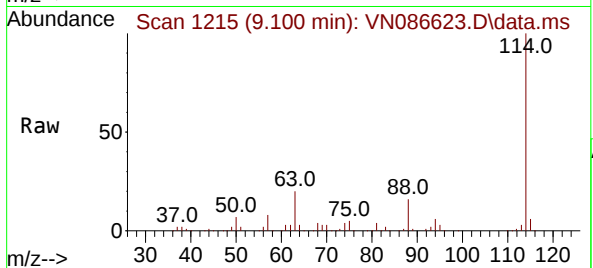
Tgt Ion:114 Resp: 316031

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

88 16.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 65.474 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086623.D

Acq: 14 May 2025 13:44

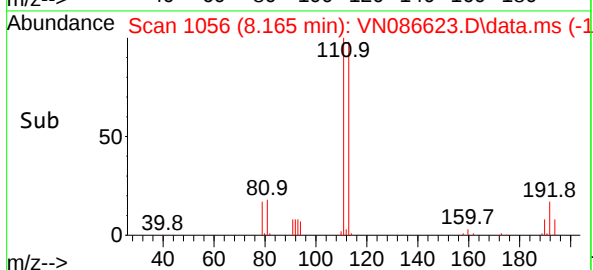
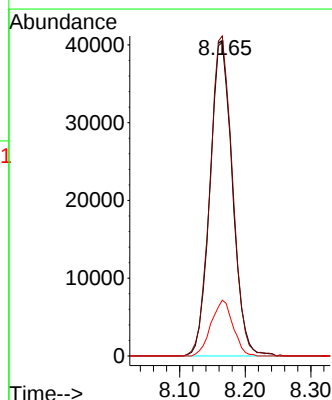
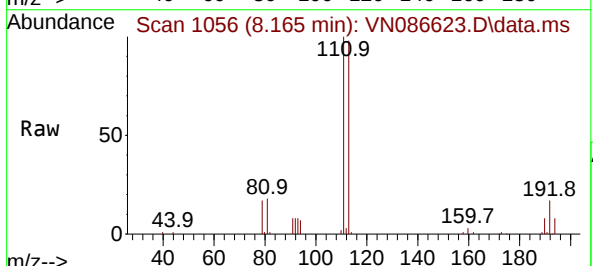
Tgt Ion:113 Resp: 96033

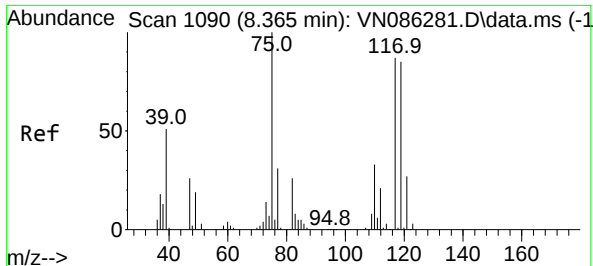
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

192 17.3 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.508 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086623.D

Acq: 14 May 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0148

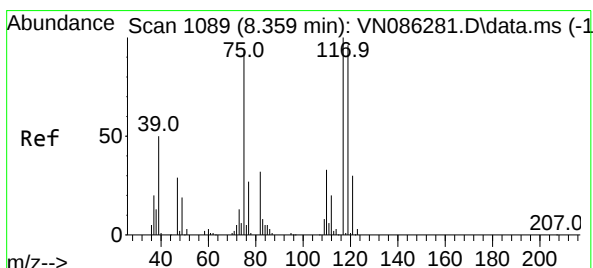
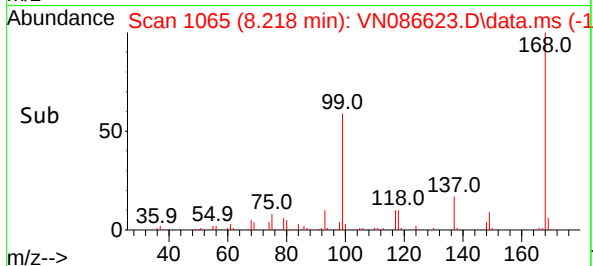
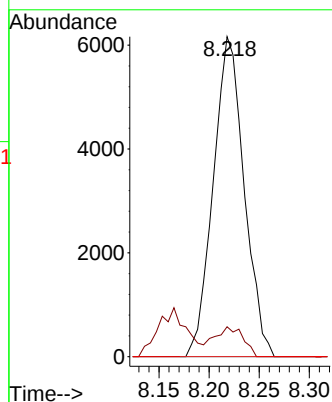
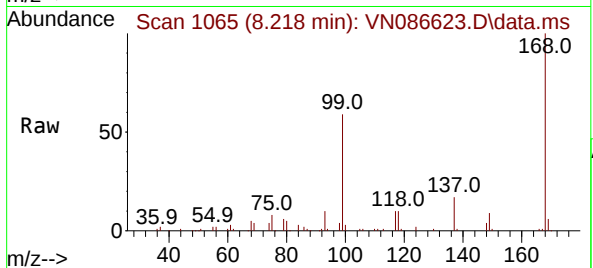
Tgt Ion: 75 Resp: 13206

Ion Ratio Lower Upper

75 100

110 8.6 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.900 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086623.D

Acq: 14 May 2025 13:44

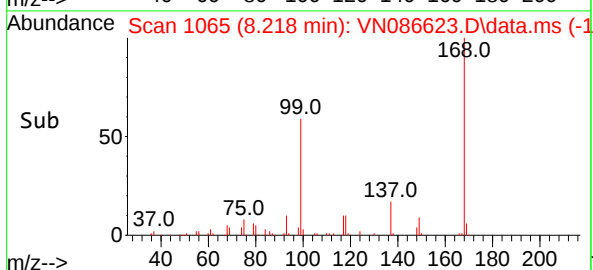
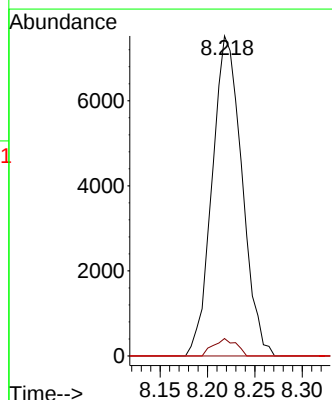
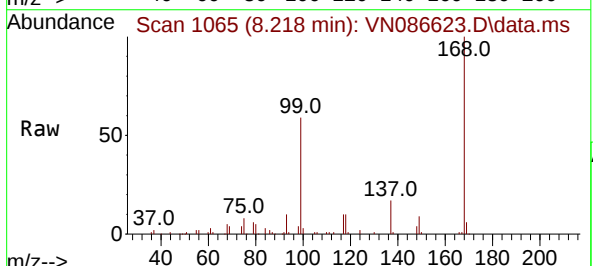
Tgt Ion: 117 Resp: 16460

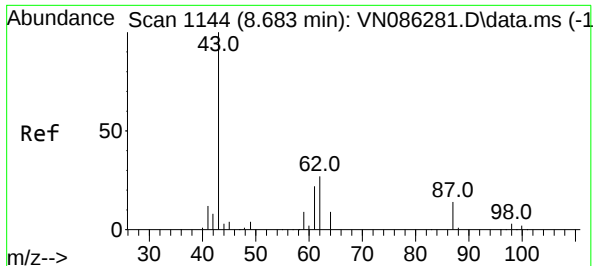
Ion Ratio Lower Upper

117 100

119 5.4 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.641 min Scan# 1144

Delta R.T. -0.042 min

Lab File: VN086623.D

Acq: 14 May 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0148

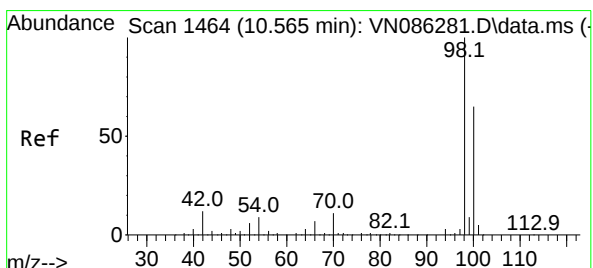
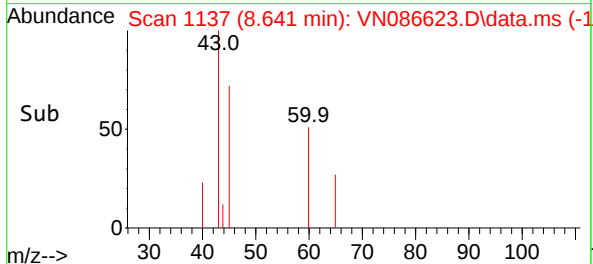
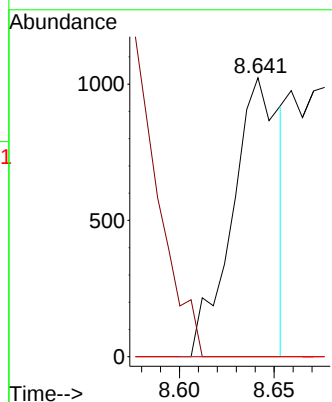
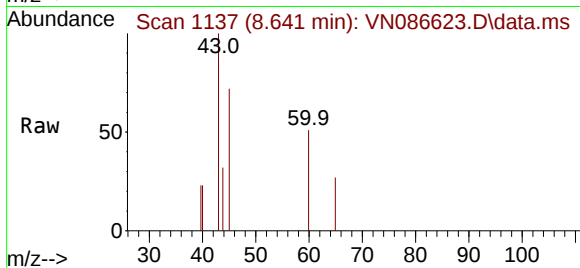
Tgt Ion: 43 Resp: 1781

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 52.466 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086623.D

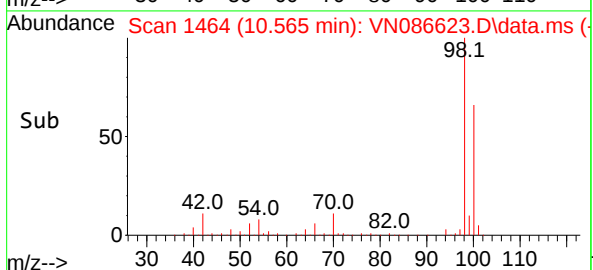
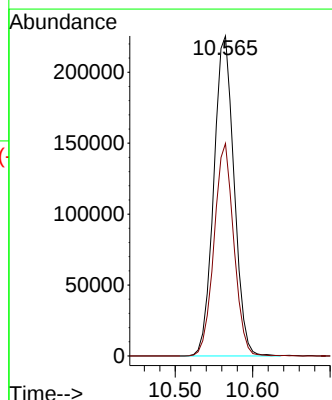
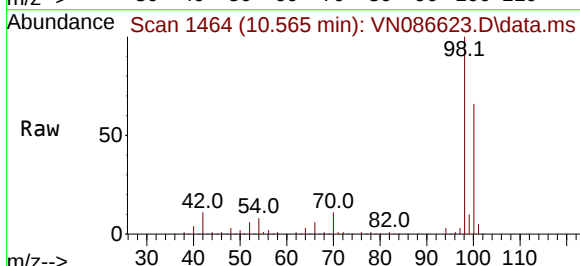
Acq: 14 May 2025 13:44

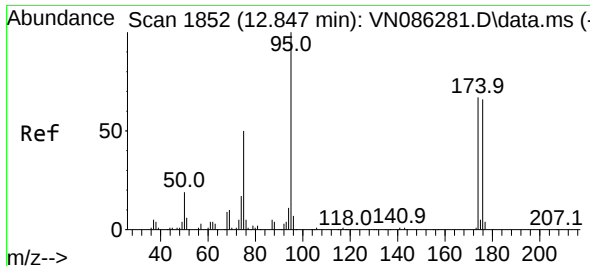
Tgt Ion: 98 Resp: 411281

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7

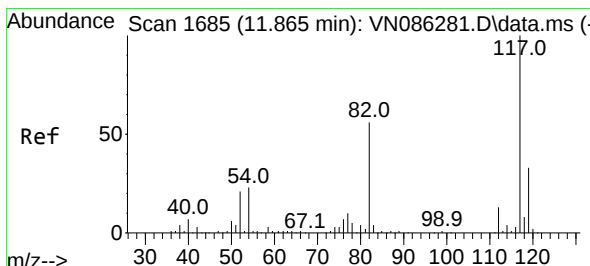
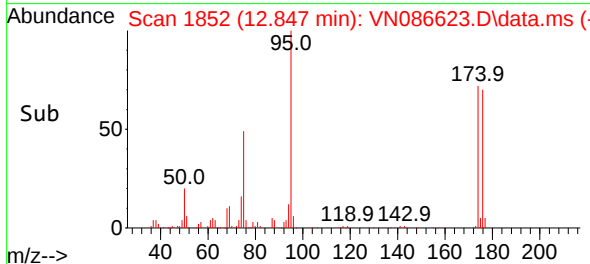
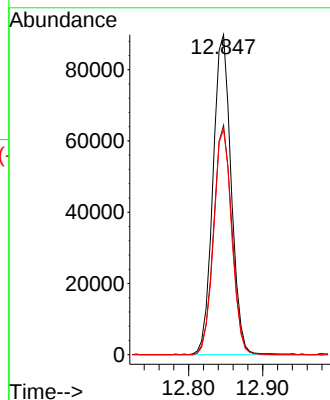
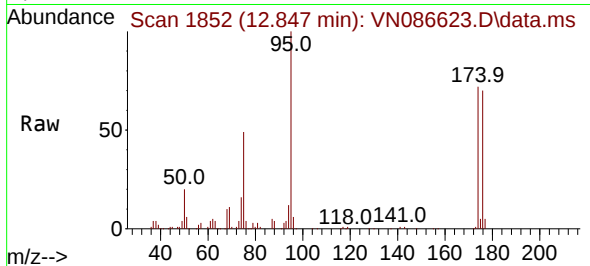




#62
4-Bromofluorobenzene
Concen: 53.548 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

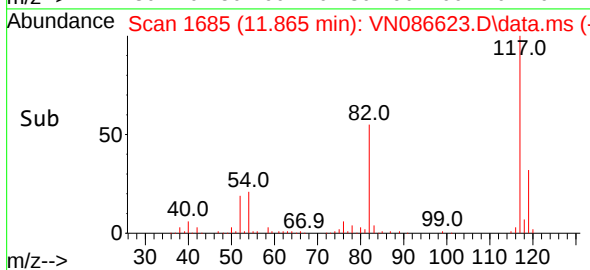
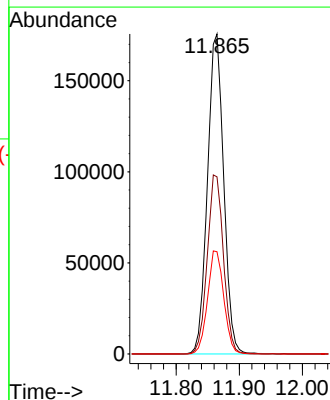
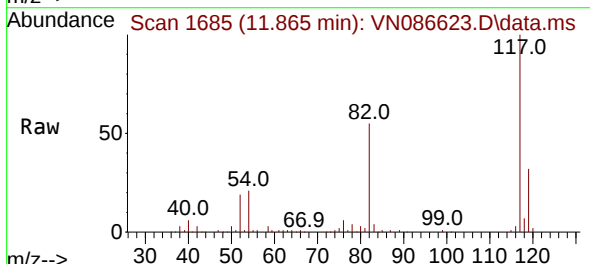
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

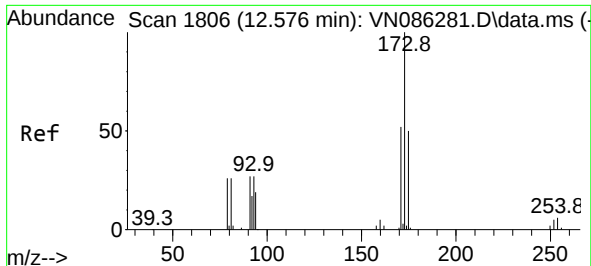
Tgt Ion: 95 Resp: 153105
Ion Ratio Lower Upper
95 100
174 72.0 0.0 133.4
176 69.7 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

Tgt Ion: 117 Resp: 313651
Ion Ratio Lower Upper
117 100
82 55.4 44.7 67.1
119 32.0 26.4 39.6

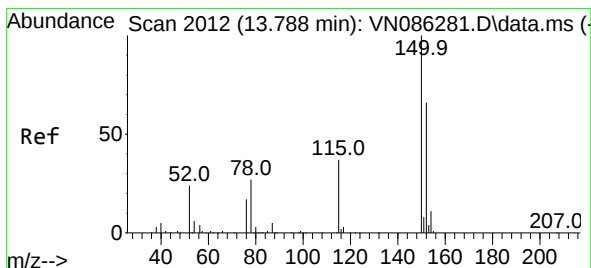
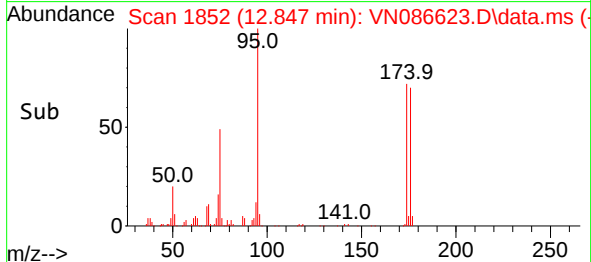
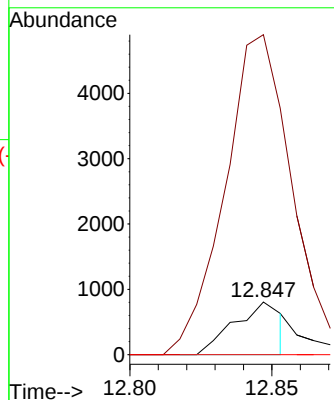
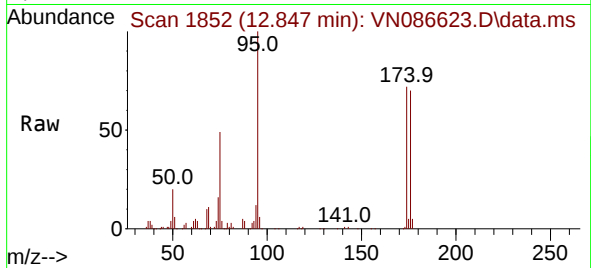




#71
Bromoform
Concen: 0.542 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.271 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

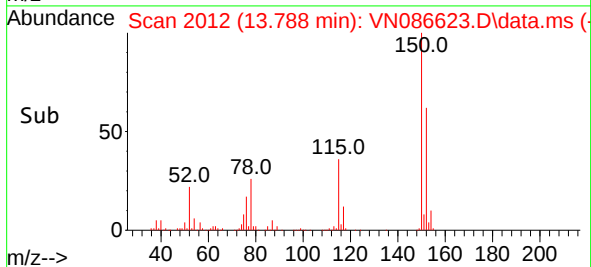
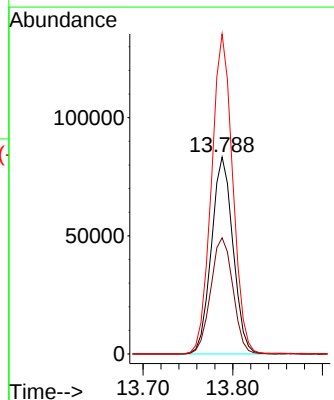
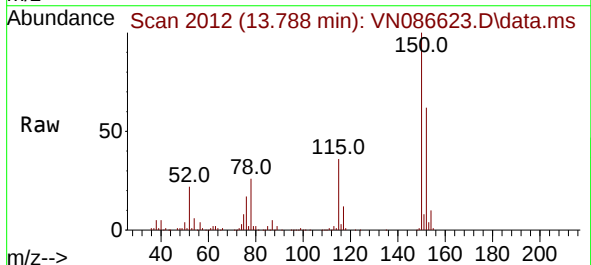
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

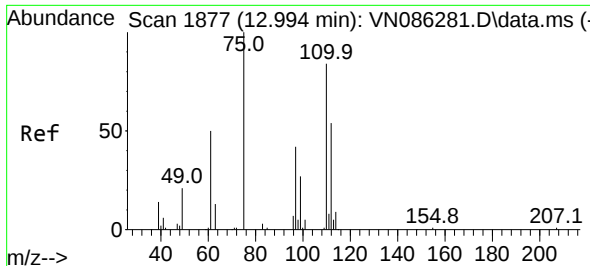
Tgt Ion:173 Resp: 942
Ion Ratio Lower Upper
173 100
175 711.7 24.6 73.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

Tgt Ion:152 Resp: 139308
Ion Ratio Lower Upper
152 100
115 60.8 31.9 95.9
150 159.9 0.0 352.0

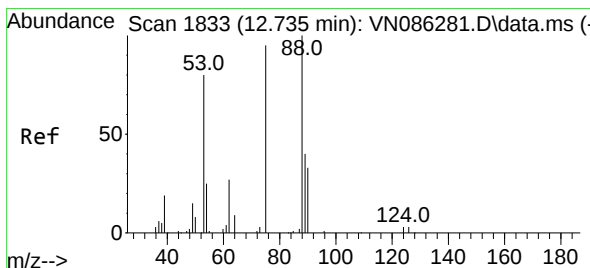
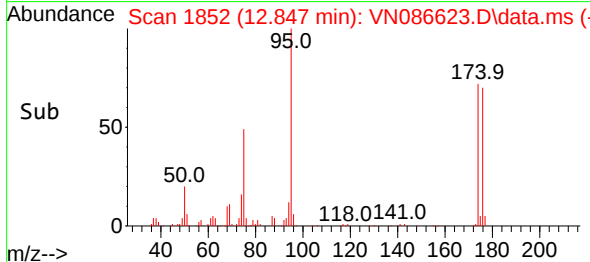
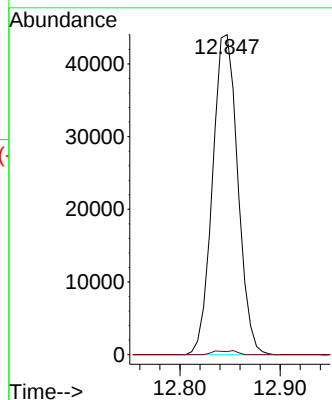
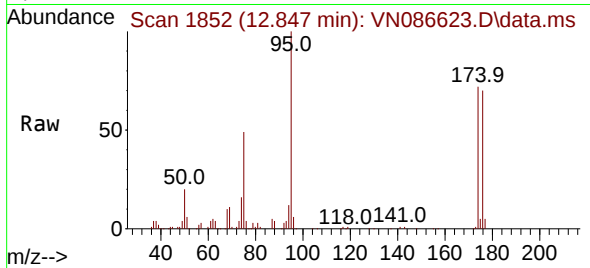




#76
1,2,3-Trichloropropane
Concen: 23.428 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

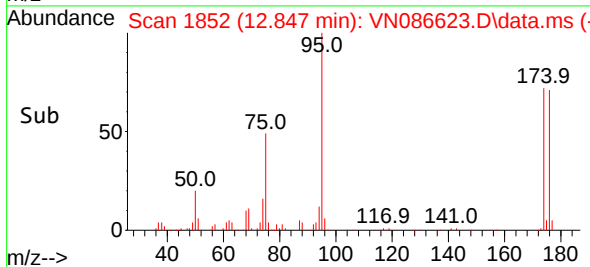
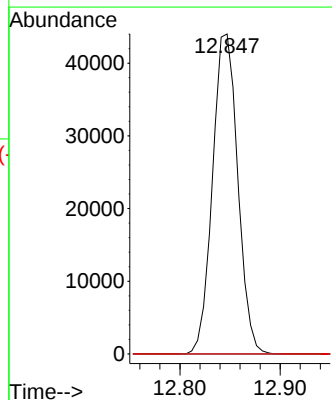
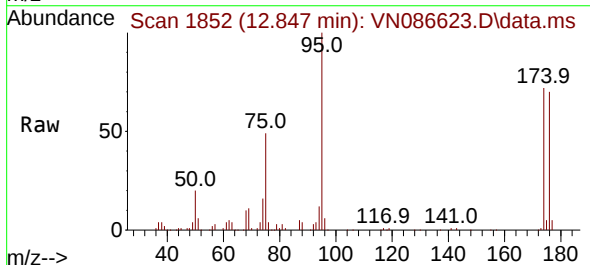
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

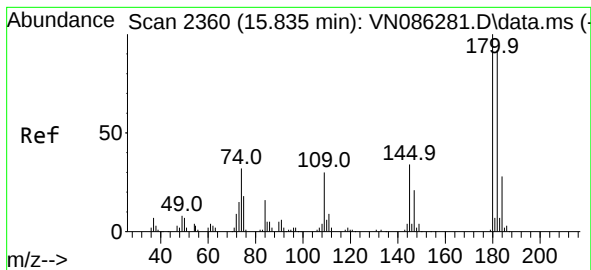
Tgt Ion: 75 Resp: 77017
Ion Ratio Lower Upper
75 100
77 1.1 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.264 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086623.D
Acq: 14 May 2025 13:44

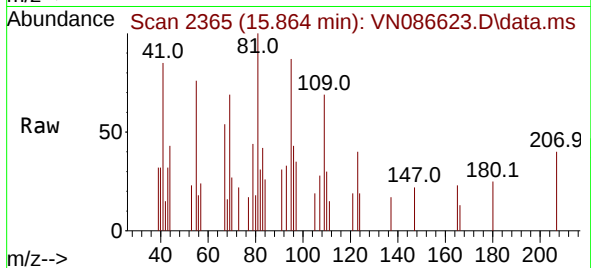
Tgt Ion: 75 Resp: 77017
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.288 ug/l
 RT: 15.864 min Scan# 21
 Delta R.T. 0.029 min
 Lab File: VN086623.D
 Acq: 14 May 2025 13:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0148



Tgt Ion:180 Resp: 601
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 17.2 51.5#

