

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
 Data File : VN086622.D
 Acq On : 14 May 2025 13:20
 Operator : JC\MD
 Sample : Q2014-03 20X
 Misc : 1.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0145

Quant Time: May 15 03:02:42 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)

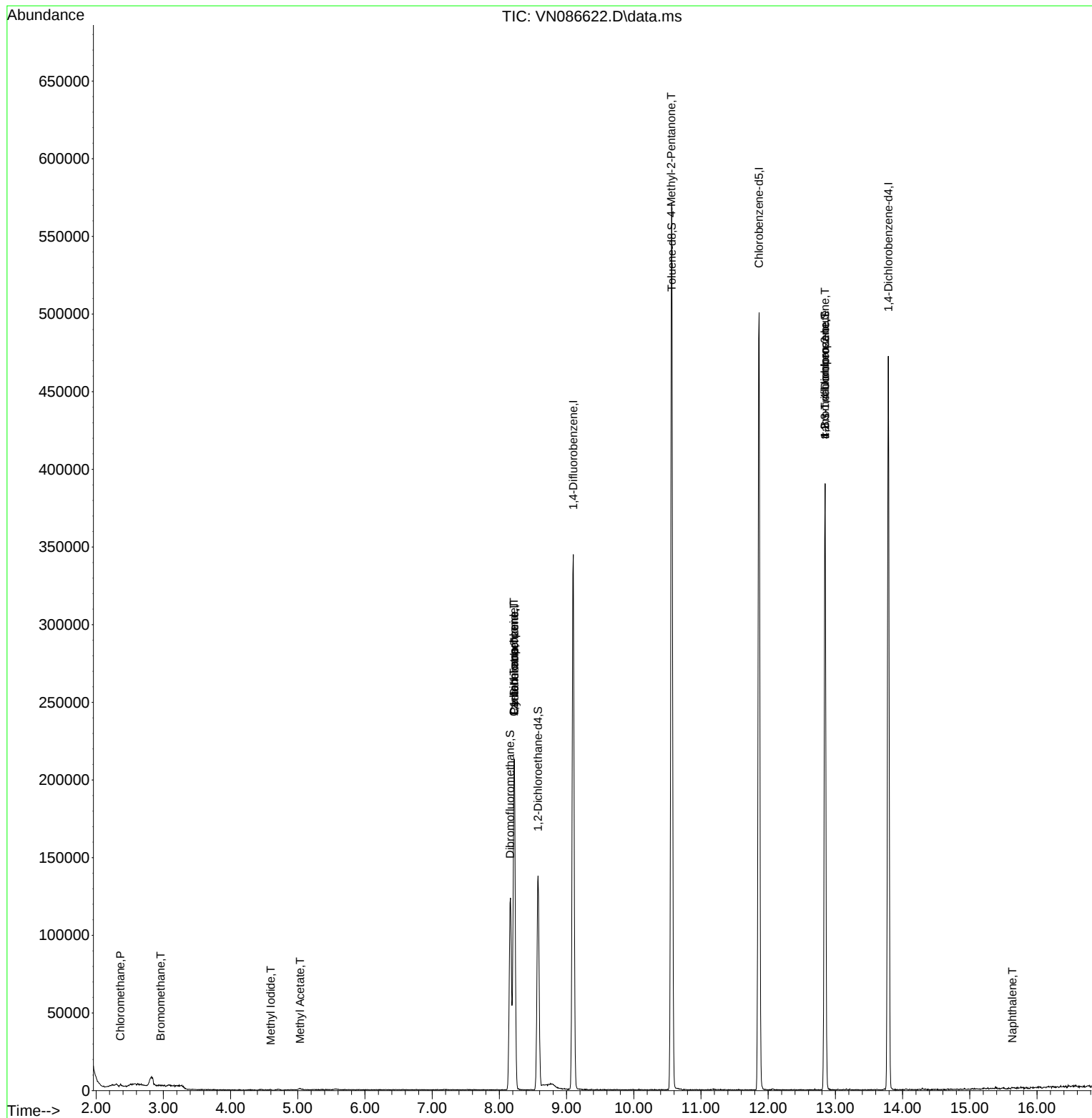
Internal Standards						
1) Pentafluorobenzene	8.224	168	156384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115744	51.040	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%			
35) Dibromofluoromethane	8.159	113	92460	65.009	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.020%#			
50) Toluene-d8	10.565	98	397098	52.241	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.480%			
62) 4-Bromofluorobenzene	12.847	95	142067	51.241	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.480%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1221	0.453	ug/l	89
5) Bromomethane	2.959	94	468	0.405	ug/l #	13
10) Methyl Iodide	4.600	142	486	0.257	ug/l #	42
16) Acetone	4.442	43	557	Below Cal	#	43
18) Methyl Acetate	5.036	43	2020	0.742	ug/l #	57
31) Cyclohexane	8.224	56	3429	0.933	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	12669	4.460	ug/l #	50
38) Carbon Tetrachloride	8.218	117	16326	6.035	ug/l #	17
43) Isopropyl Acetate	8.659	43	2931	Below Cal	#	55
51) 4-Methyl-2-Pentanone	10.559	43	1888	0.616	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	71506	23.007	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71506	55.255	ug/l #	10
95) Naphthalene	15.635	128	1618	0.219	ug/l #	69

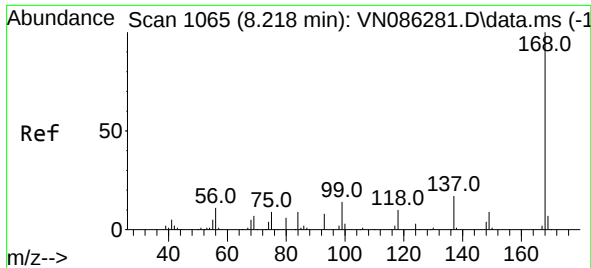
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
Data File : VN086622.D
Acq On : 14 May 2025 13:20
Operator : JC\MD
Sample : Q2014-03 20X
Misc : 1.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

Quant Time: May 15 03:02:42 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

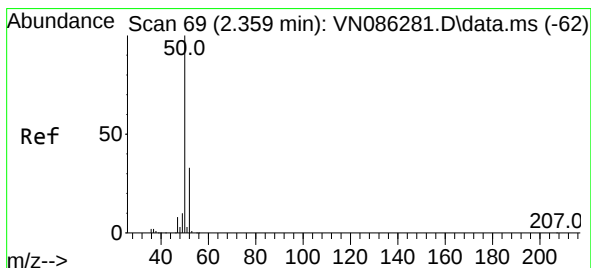
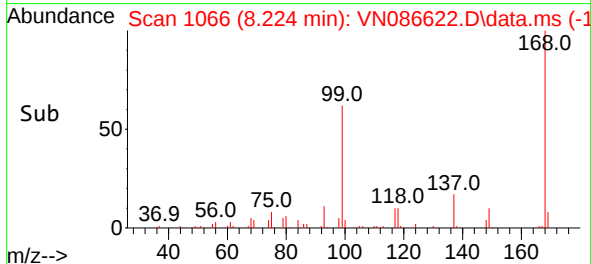
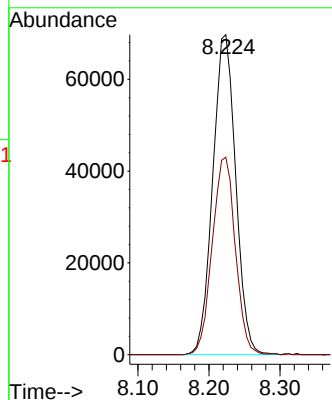
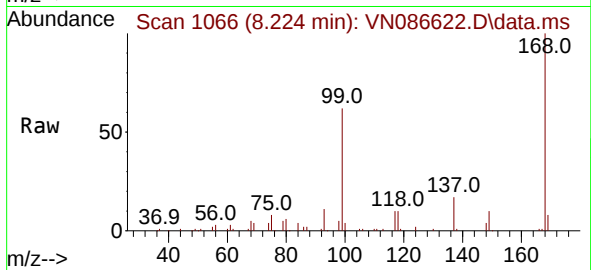




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

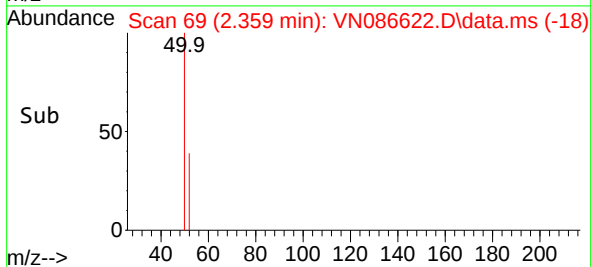
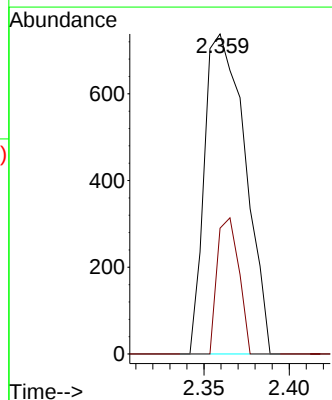
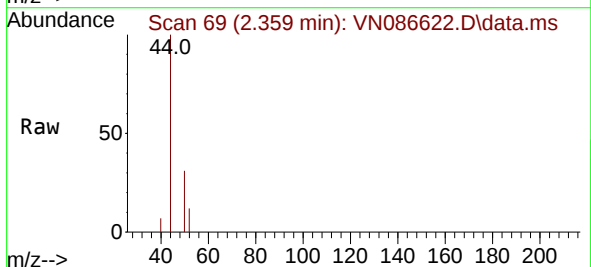
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

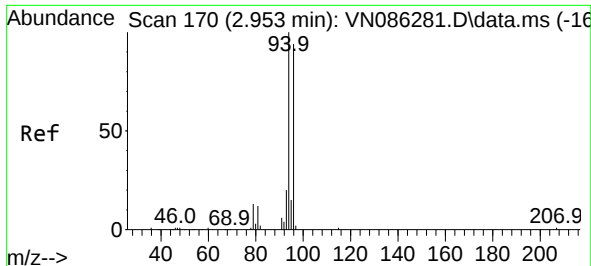
Tgt Ion:168 Resp: 156384
Ion Ratio Lower Upper
168 100
99 61.7 52.5 78.7



#3
Chloromethane
Concen: 0.453 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

Tgt Ion: 50 Resp: 1221
Ion Ratio Lower Upper
50 100
52 39.3 26.5 39.7

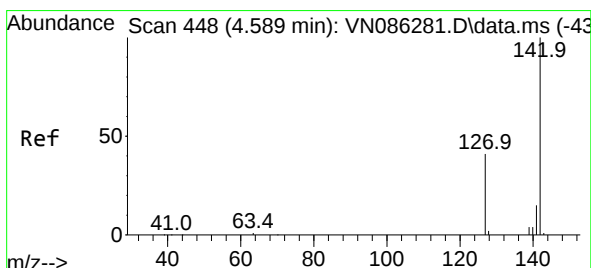
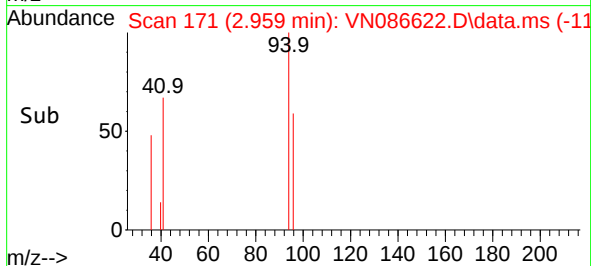
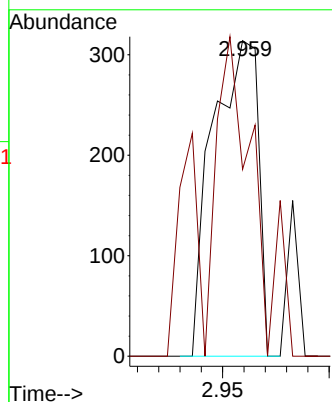
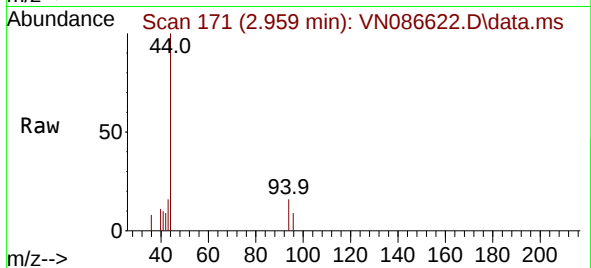




#5
Bromomethane
Concen: 0.405 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

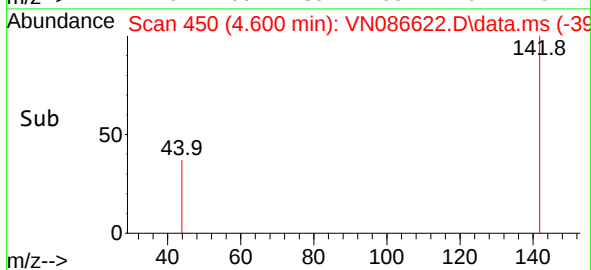
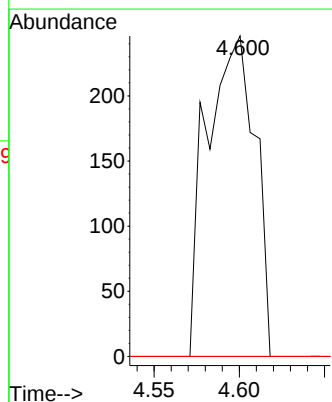
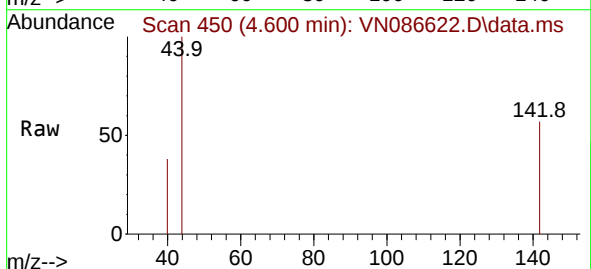
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

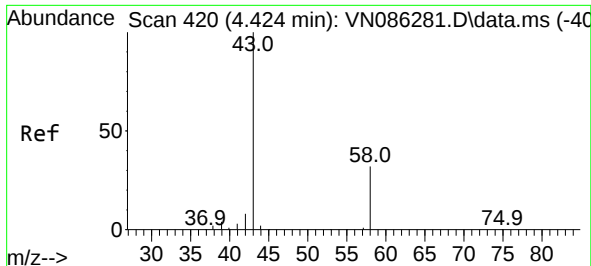
Tgt Ion: 94 Resp: 468
Ion Ratio Lower Upper
94 100
96 9.9 75.2 112.8#



#10
Methyl Iodide
Concen: 0.257 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

Tgt Ion: 142 Resp: 486
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.7 17.5#

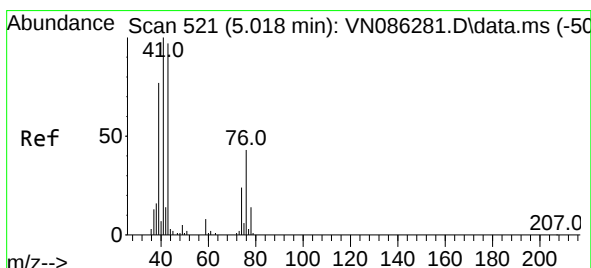
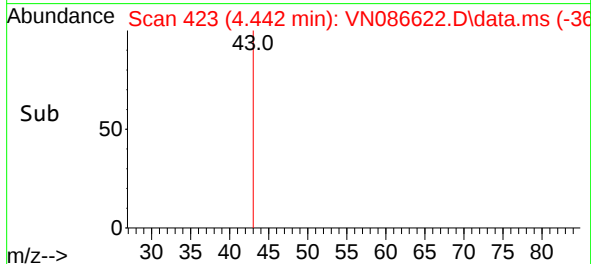
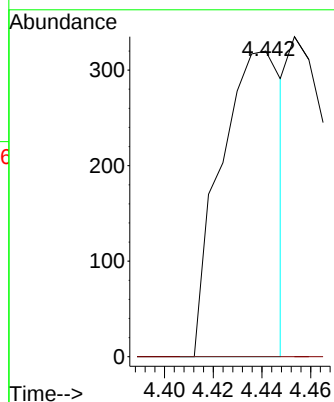
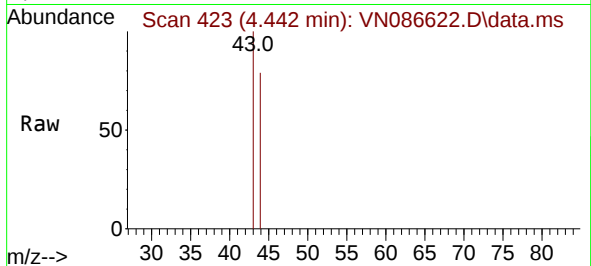




#16
Acetone
Concen: Below Cal
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

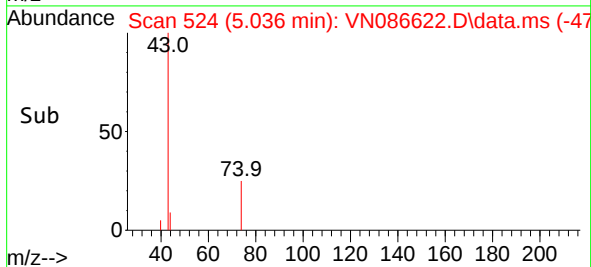
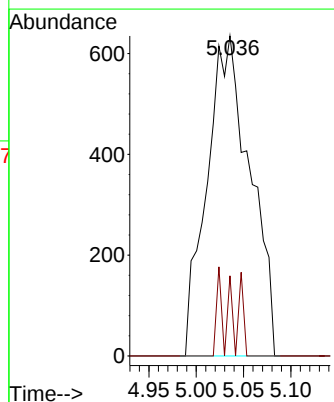
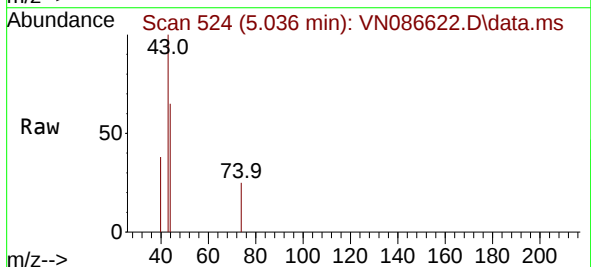
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

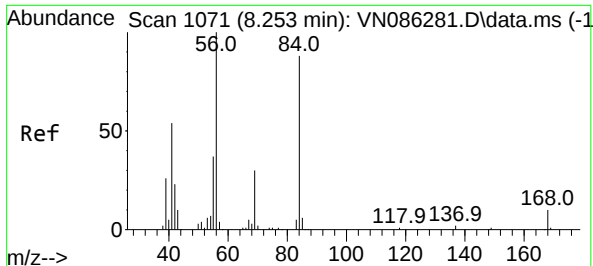
Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#18
Methyl Acetate
Concen: 0.742 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

Tgt Ion: 43 Resp: 2020
Ion Ratio Lower Upper
43 100
74 3.1 19.8 29.6#

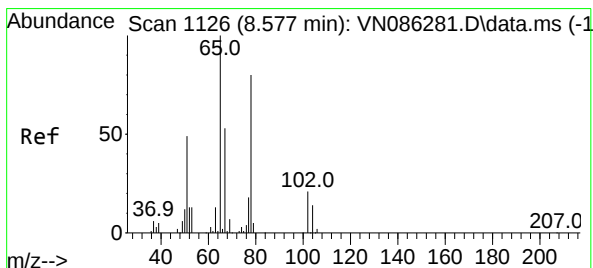
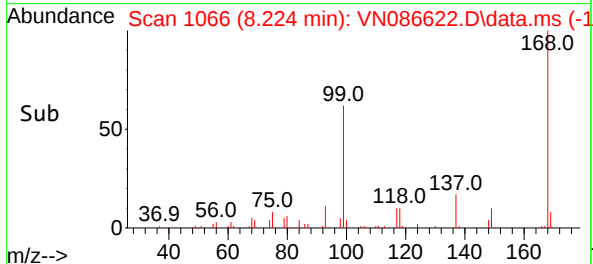
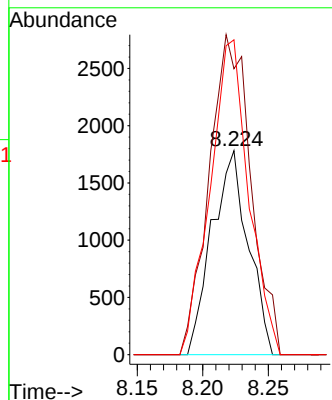
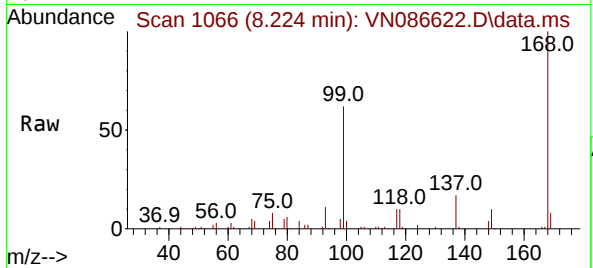




#31
Cyclohexane
Concen: 0.933 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

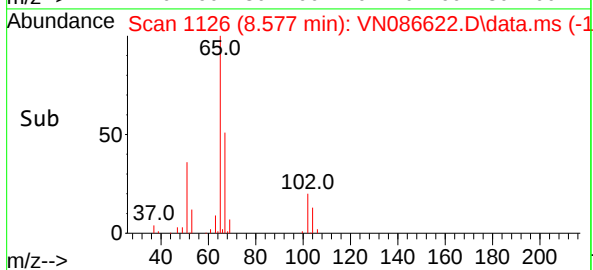
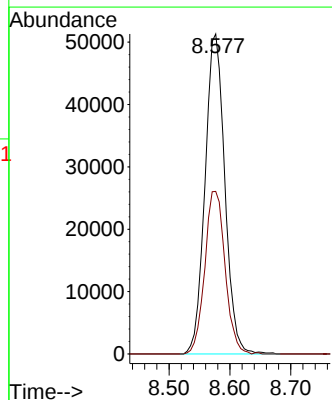
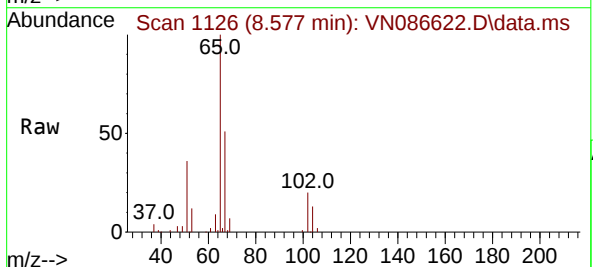
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

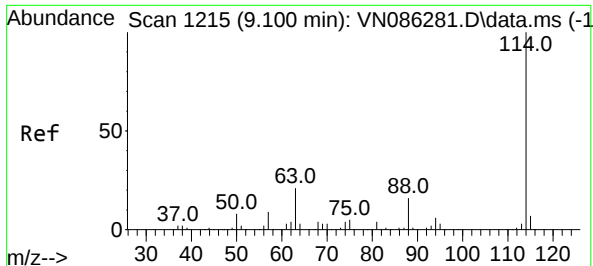
Tgt Ion: 56 Resp: 3429
Ion Ratio Lower Upper
56 100
69 140.1 24.2 36.2#
84 154.4 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 51.040 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

Tgt Ion: 65 Resp: 115744
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086622.D

Acq: 14 May 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0145

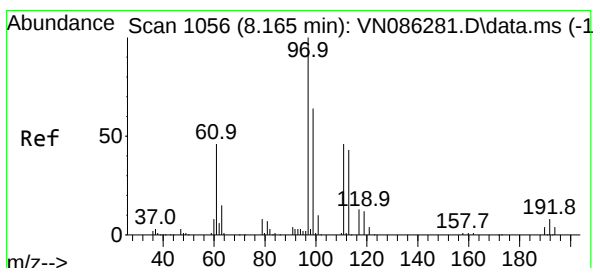
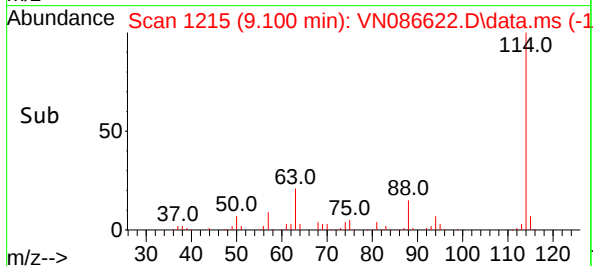
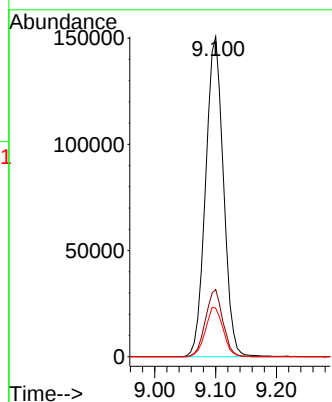
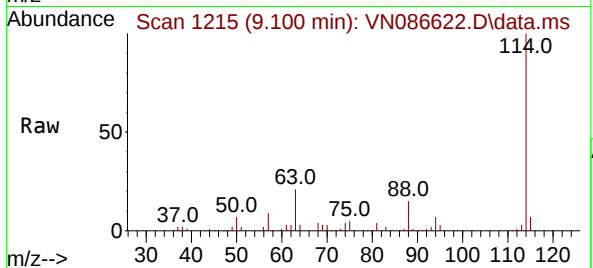
Tgt Ion:114 Resp: 306450

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 65.009 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086622.D

Acq: 14 May 2025 13:20

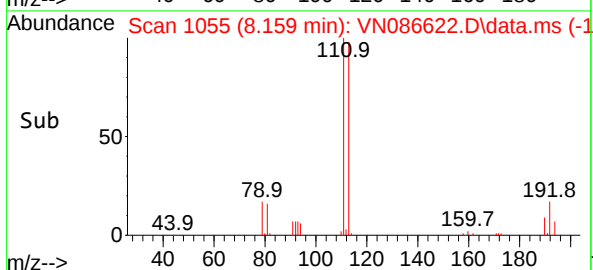
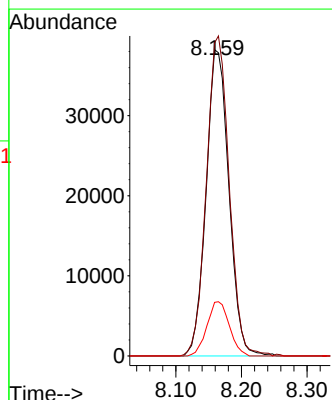
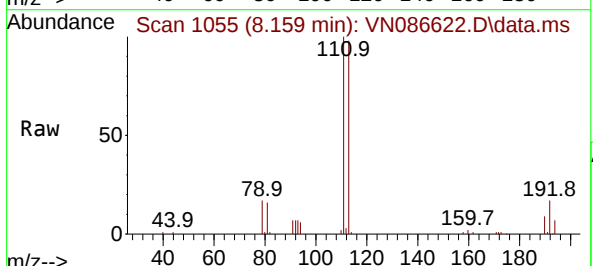
Tgt Ion:113 Resp: 92460

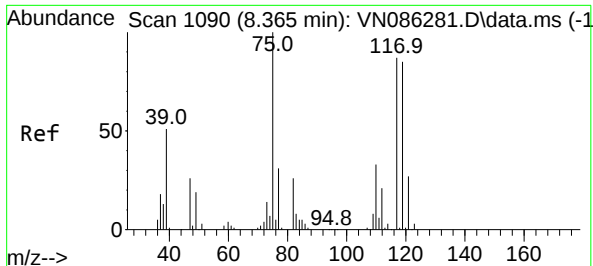
Ion Ratio Lower Upper

113 100

111 104.6 83.4 125.0

192 17.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.460 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086622.D

Acq: 14 May 2025 13:20

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0145

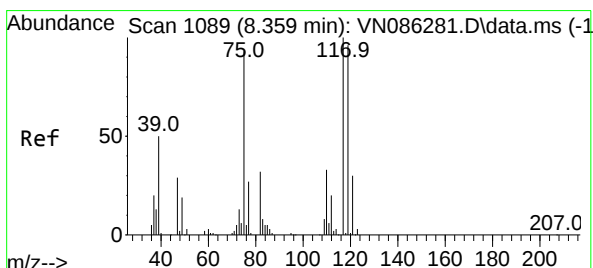
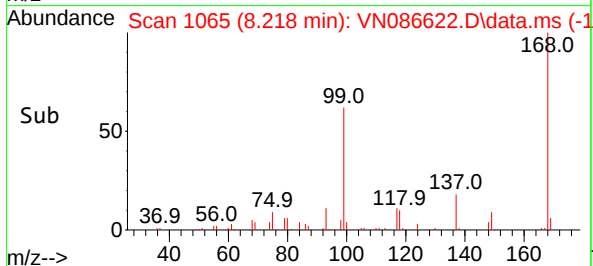
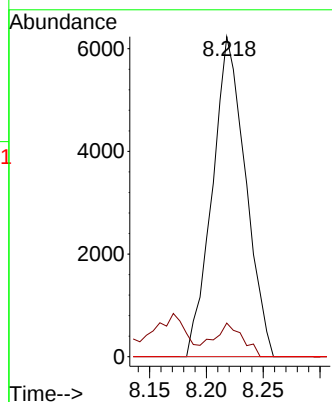
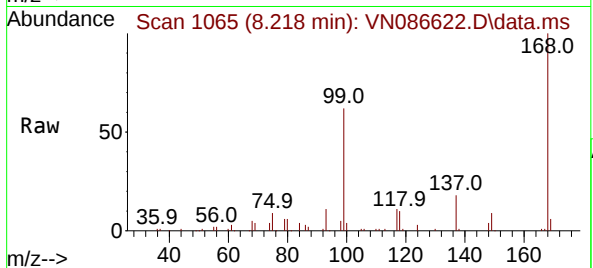
Tgt Ion: 75 Resp: 12669

Ion Ratio Lower Upper

75 100

110 8.9 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 6.035 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN086622.D

Acq: 14 May 2025 13:20

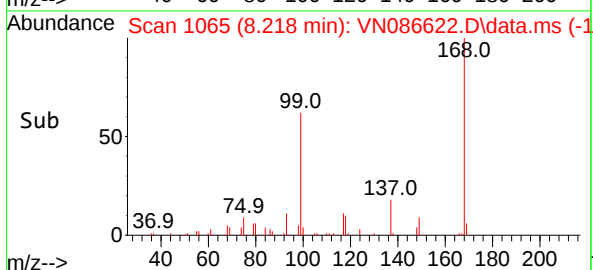
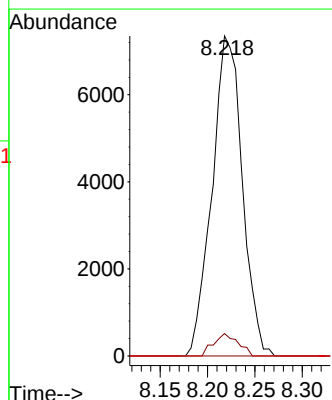
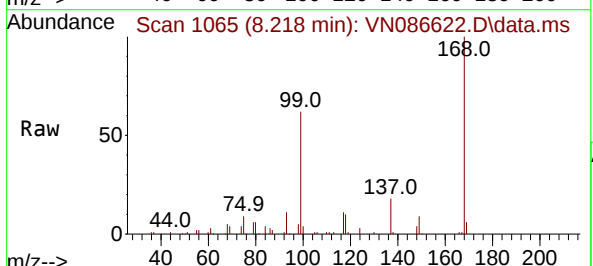
Tgt Ion: 117 Resp: 16326

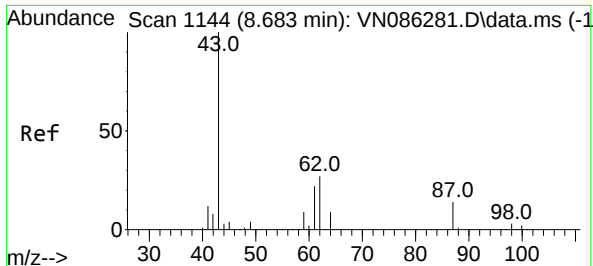
Ion Ratio Lower Upper

117 100

119 7.0 76.8 115.2#

121 0.0 23.8 35.8#

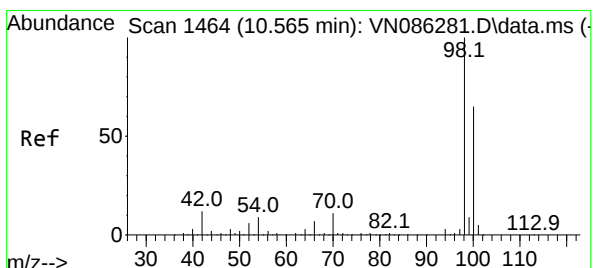
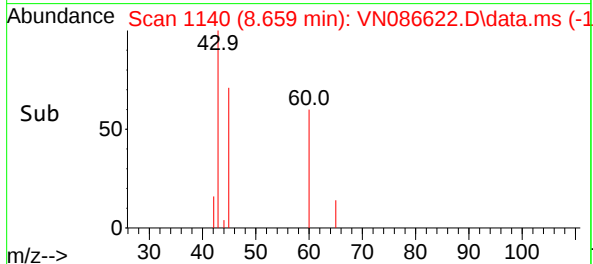
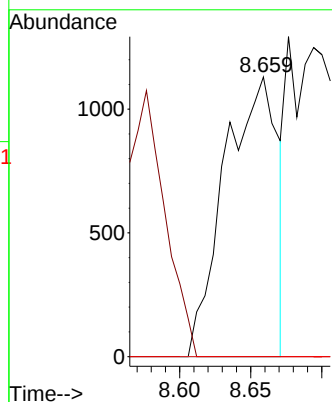
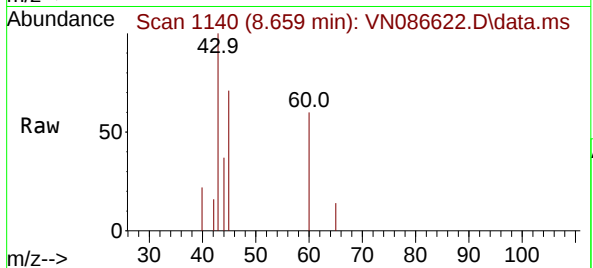




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.659 min Scan# 1144
Delta R.T. -0.024 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

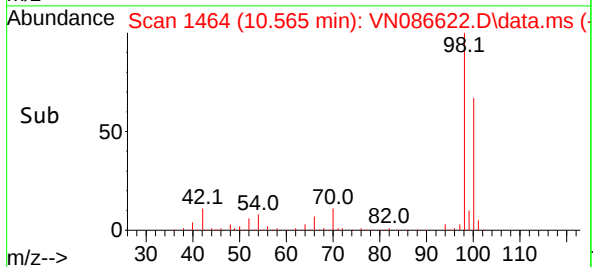
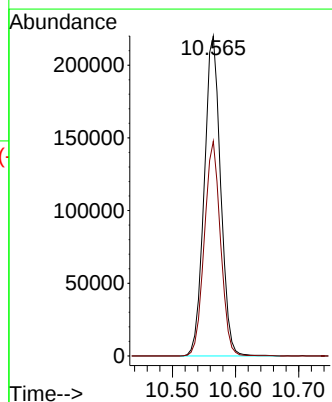
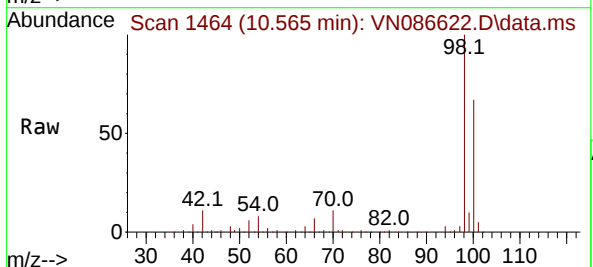
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

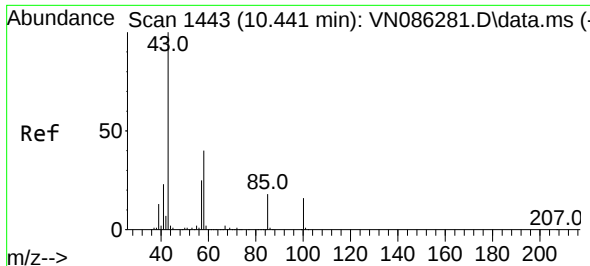
Tgt Ion: 43 Resp: 2931
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#



#50
Toluene-d8
Concen: 52.241 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

Tgt Ion: 98 Resp: 397098
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7

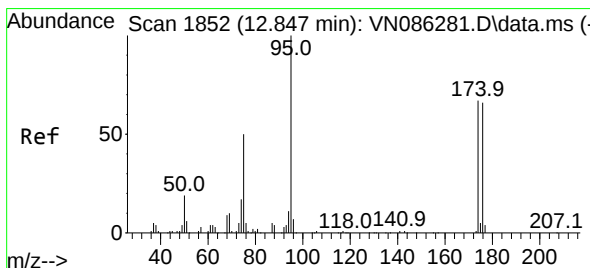
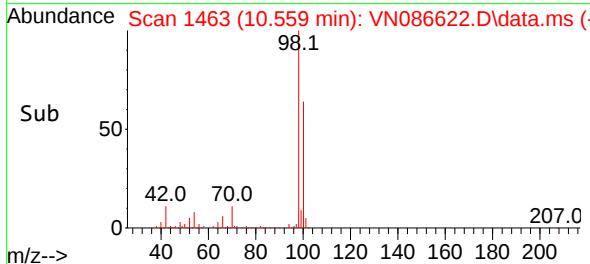
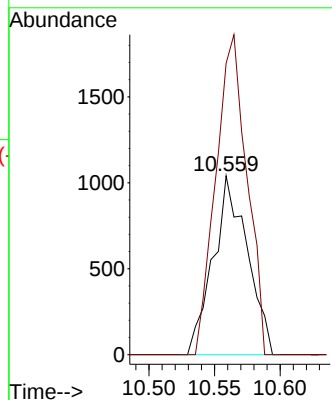
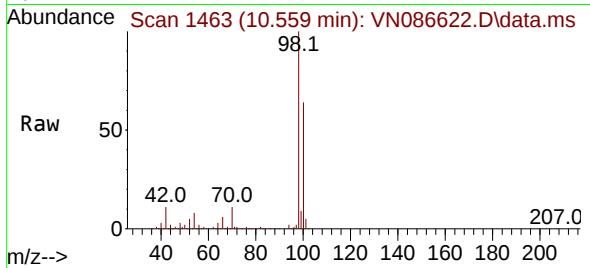




#51
4-Methyl-2-Pentanone
Concen: 0.616 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

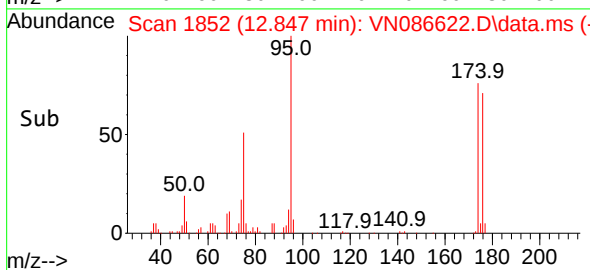
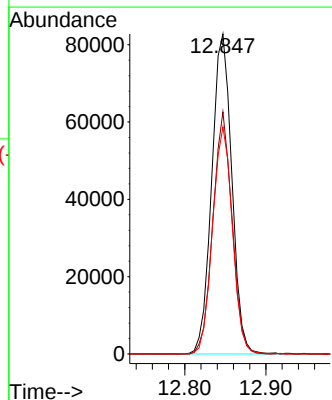
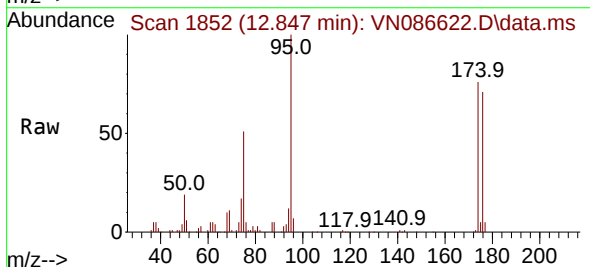
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

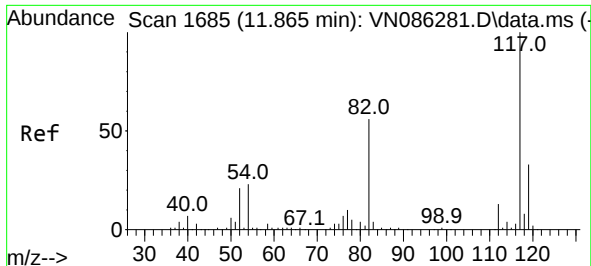
Tgt Ion: 43 Resp: 1888
Ion Ratio Lower Upper
43 100
58 162.3 32.2 48.4#



#62
4-Bromofluorobenzene
Concen: 51.241 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

Tgt Ion: 95 Resp: 142067
Ion Ratio Lower Upper
95 100
174 72.2 0.0 133.4
176 70.0 0.0 129.2

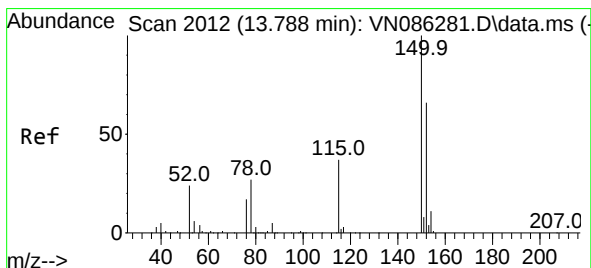
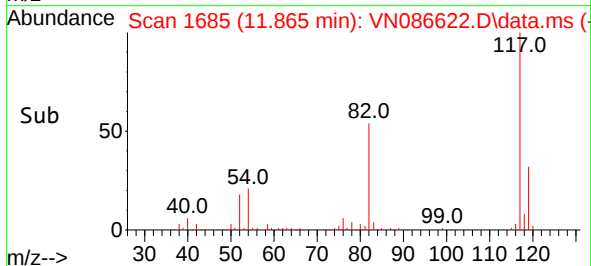
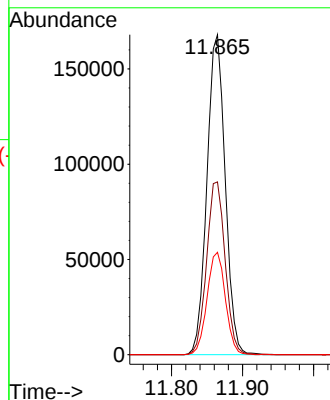
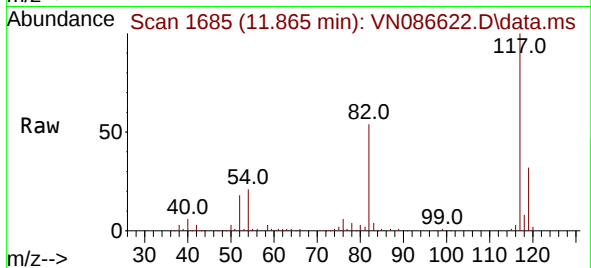




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

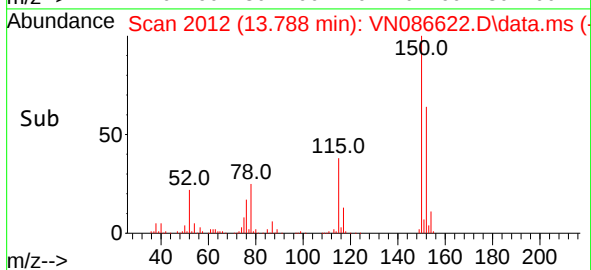
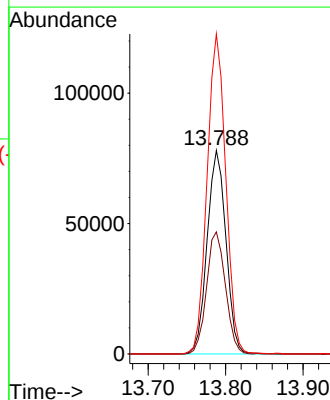
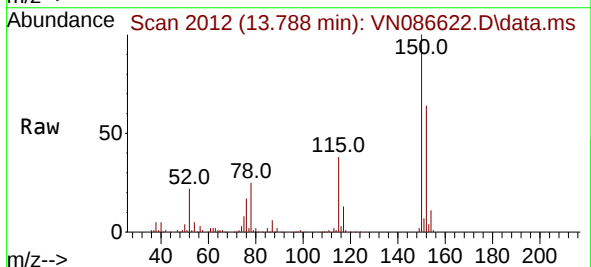
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

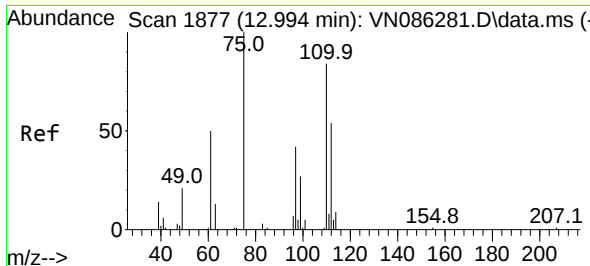
Tgt Ion:117 Resp: 300306
Ion Ratio Lower Upper
117 100
82 54.0 44.7 67.1
119 32.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

Tgt Ion:152 Resp: 131702
Ion Ratio Lower Upper
152 100
115 60.2 31.9 95.9
150 155.5 0.0 352.0

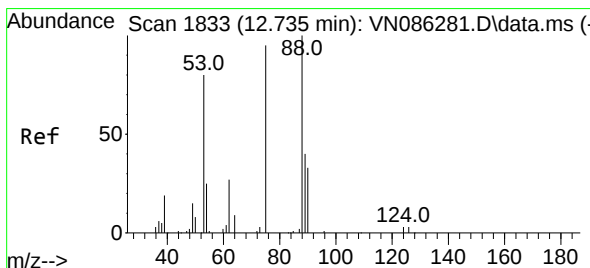
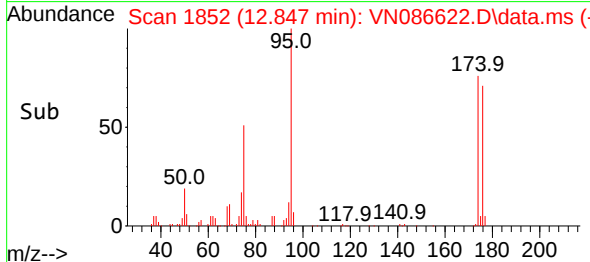
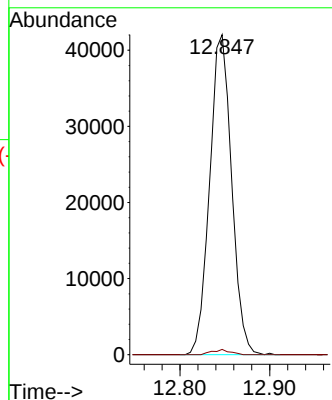
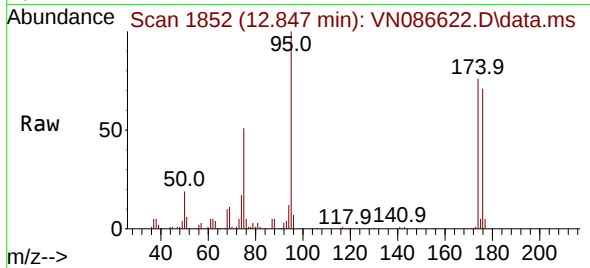




#76
1,2,3-Trichloropropane
Concen: 23.007 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

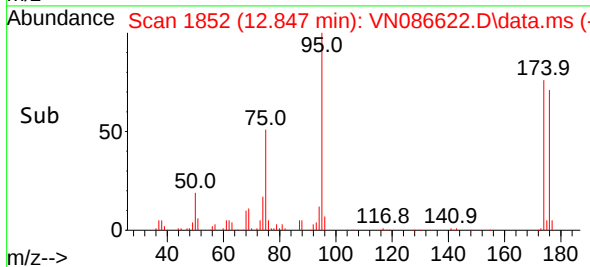
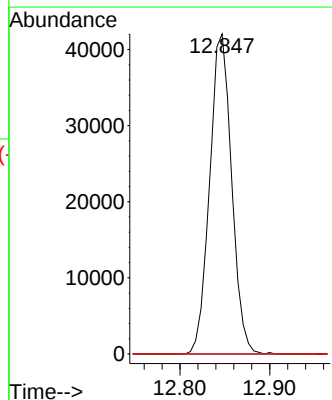
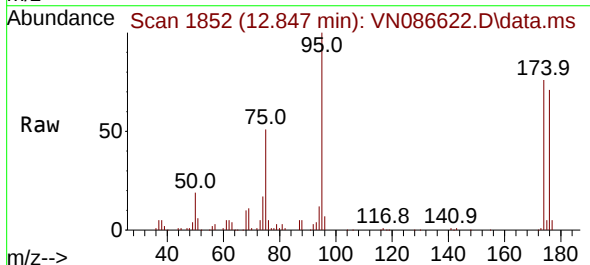
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145

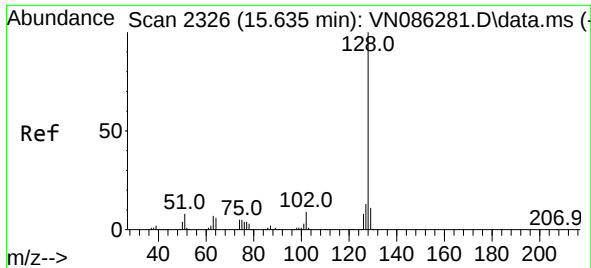
Tgt Ion: 75 Resp: 71506
Ion Ratio Lower Upper
75 100
77 1.3 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.255 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

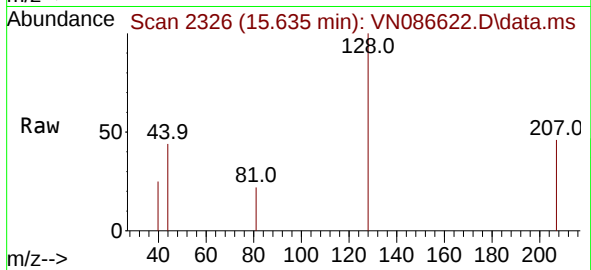
Tgt Ion: 75 Resp: 71506
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 35.7 53.5#





#95
Naphthalene
Concen: 0.219 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086622.D
Acq: 14 May 2025 13:20

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0145



Tgt Ion:128 Resp: 1618
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 13.0#

