

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051525\
 Data File : VN086640.D
 Acq On : 15 May 2025 13:11
 Operator : JC\MD
 Sample : PB167995ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB167995ZHE#02

Quant Time: May 16 05:26:03 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)

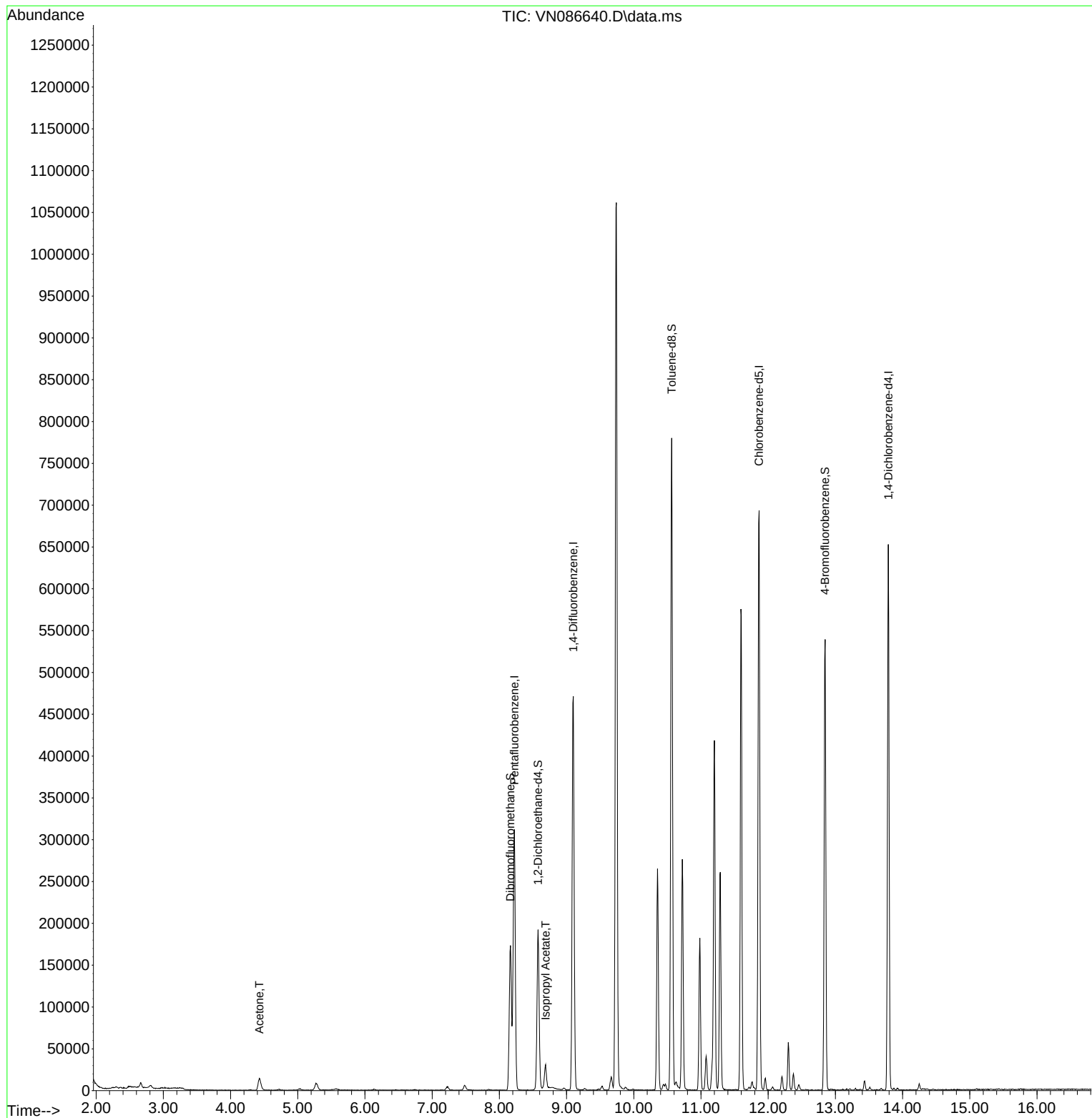
Internal Standards						
1) Pentafluorobenzene	8.224	168	237655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	434977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	427545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	155324	45.071	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.140%			
35) Dibromofluoromethane	8.165	113	130017	64.404	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 128.800%#			
50) Toluene-d8	10.565	98	557429	51.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.320%			
62) 4-Bromofluorobenzene	12.847	95	205656	52.259	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.520%			
Target Compounds						
16) Acetone	4.430	43	28072	18.270	ug/l	99
43) Isopropyl Acetate	8.688	43	38328	3.226	ug/l #	87

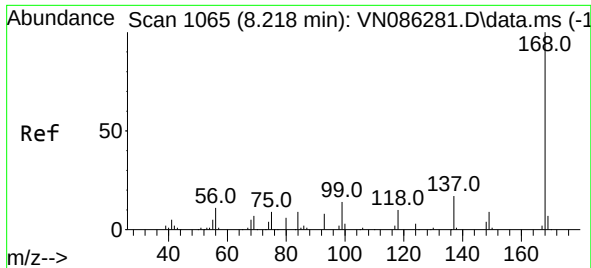
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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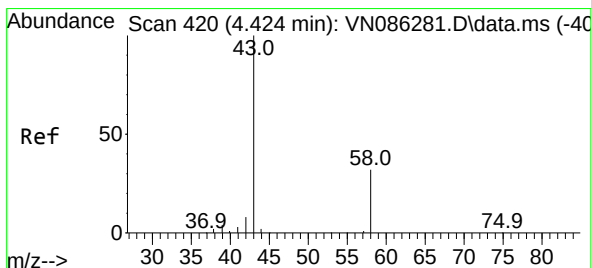
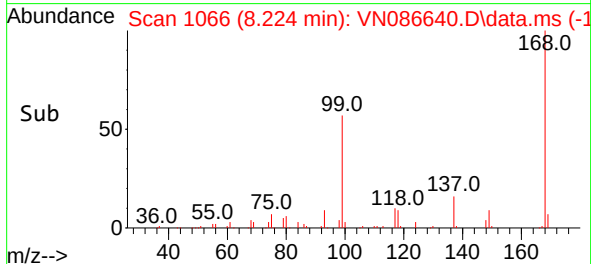
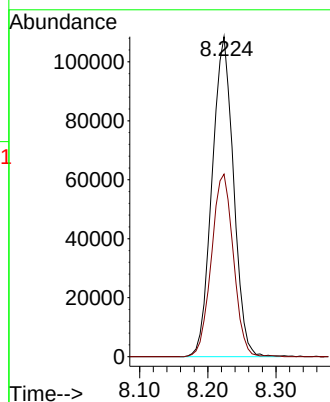
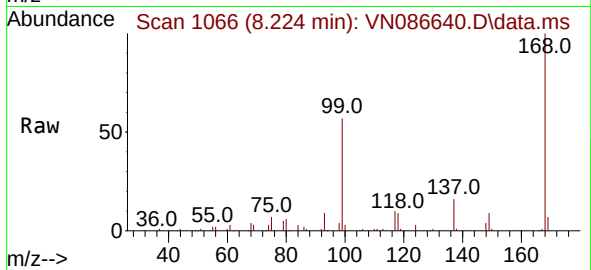




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086640.D
Acq: 15 May 2025 13:11

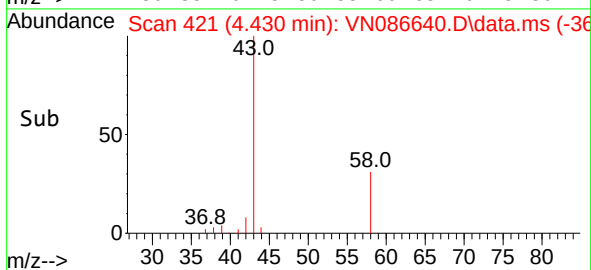
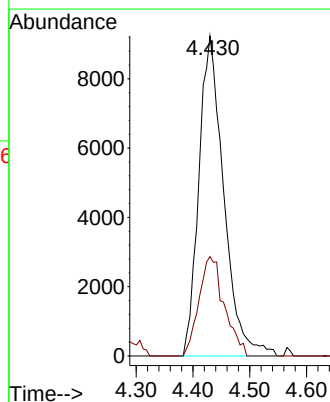
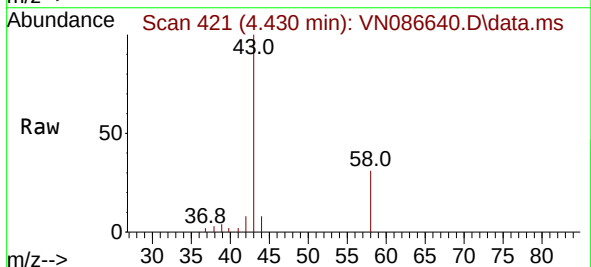
Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#02

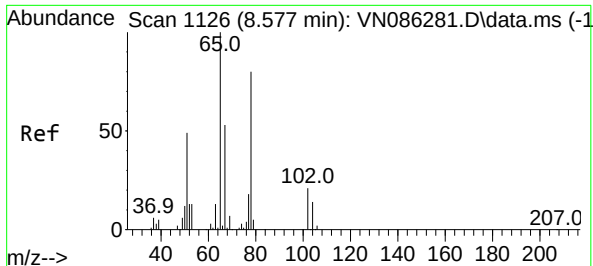
Tgt Ion:168 Resp: 237655
Ion Ratio Lower Upper
168 100
99 57.0 52.5 78.7



#16
Acetone
Concen: 18.270 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086640.D
Acq: 15 May 2025 13:11

Tgt Ion: 43 Resp: 28072
Ion Ratio Lower Upper
43 100
58 31.1 25.3 37.9





#33

1,2-Dichloroethane-d4

Concen: 45.071 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086640.D

Acq: 15 May 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

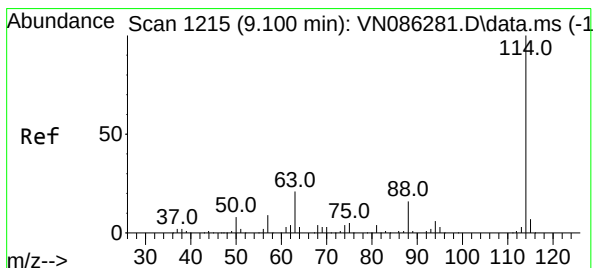
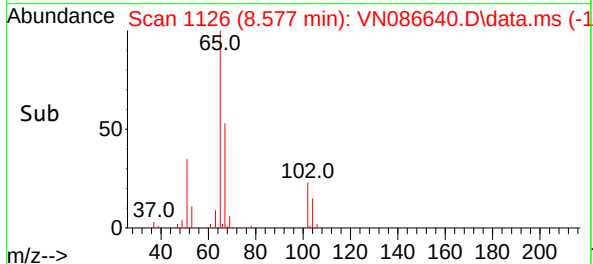
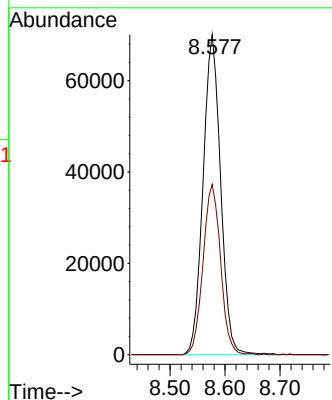
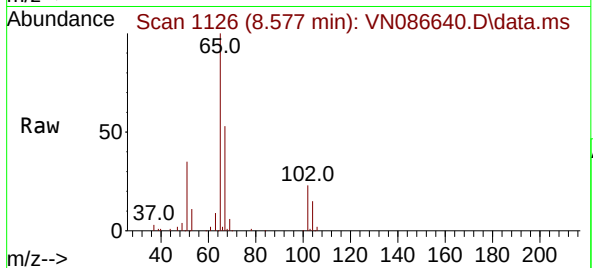
PB167995ZHE#02

Tgt Ion: 65 Resp: 155324

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: VN086640.D

Acq: 15 May 2025 13:11

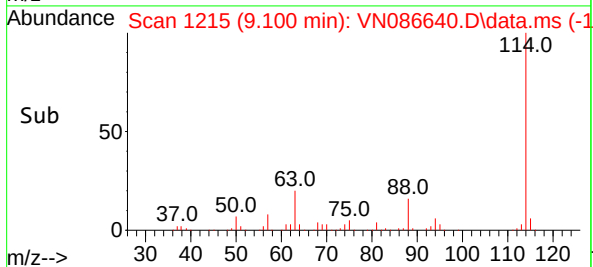
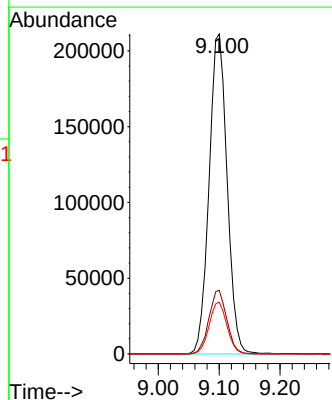
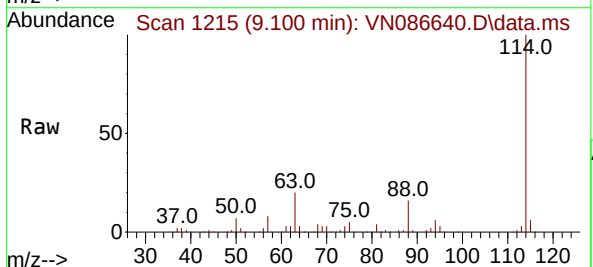
Tgt Ion: 114 Resp: 434977

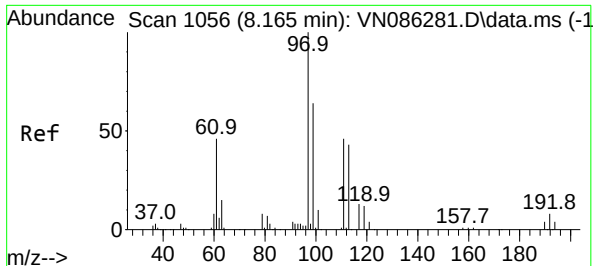
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 16.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 64.404 ug/l

RT: 8.165 min Scan# 110

Delta R.T. 0.000 min

Lab File: VN086640.D

Acq: 15 May 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

PB167995ZHE#02

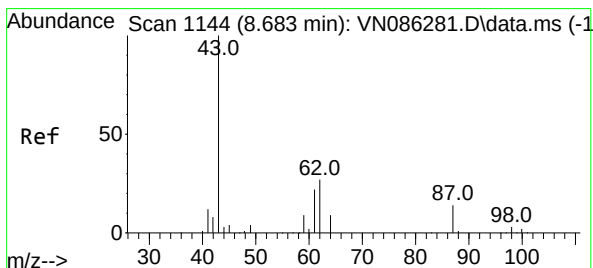
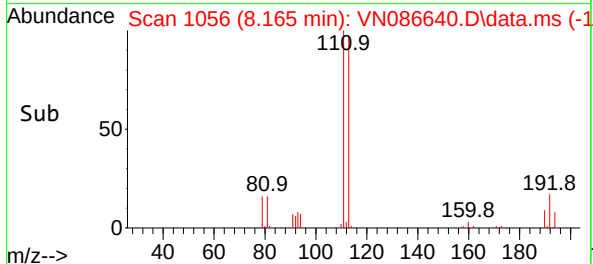
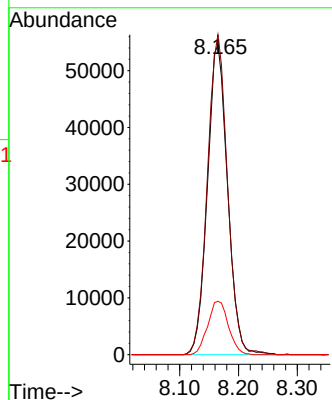
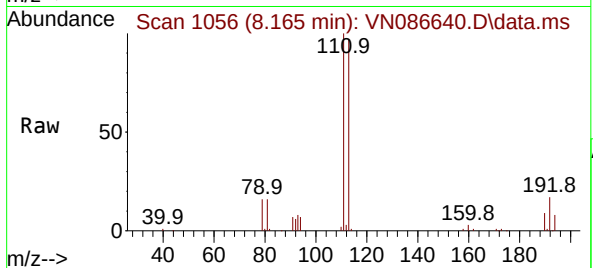
Tgt Ion:113 Resp: 130017

Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.0

192 17.7 13.7 20.5



#43

Isopropyl Acetate

Concen: 3.226 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.005 min

Lab File: VN086640.D

Acq: 15 May 2025 13:11

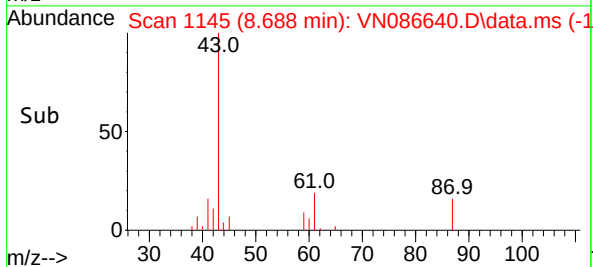
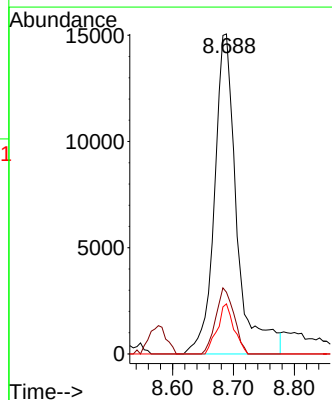
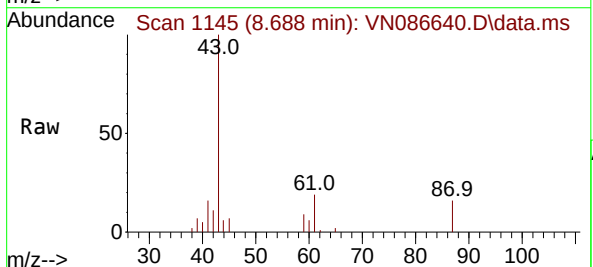
Tgt Ion: 43 Resp: 38328

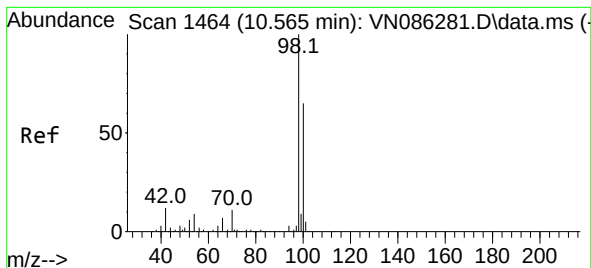
Ion Ratio Lower Upper

43 100

61 16.9 20.5 30.7#

87 11.6 10.5 15.7





#50

Toluene-d8

Concen: 51.665 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086640.D

Acq: 15 May 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

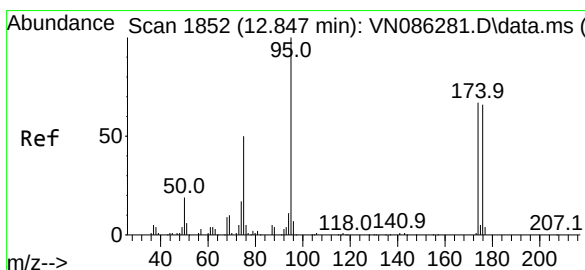
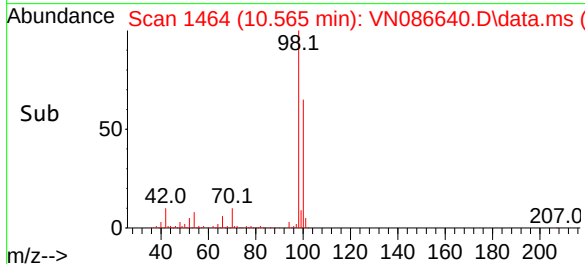
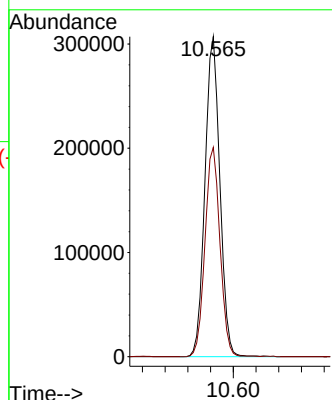
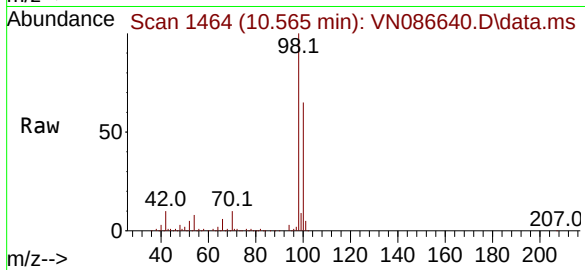
PB167995ZHE#02

Tgt Ion: 98 Resp: 557429

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 52.259 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN086640.D

Acq: 15 May 2025 13:11

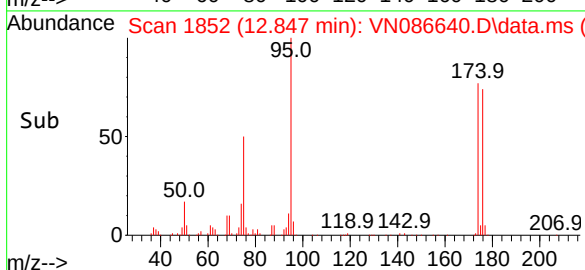
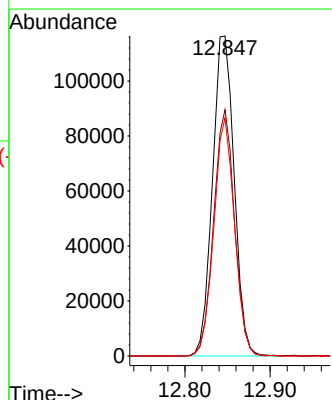
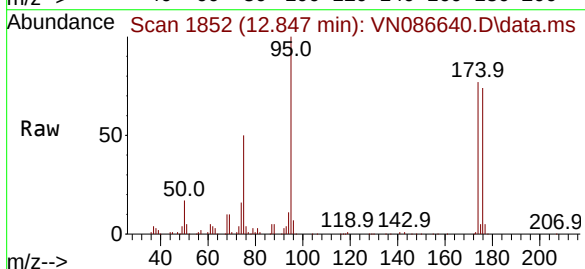
Tgt Ion: 95 Resp: 205656

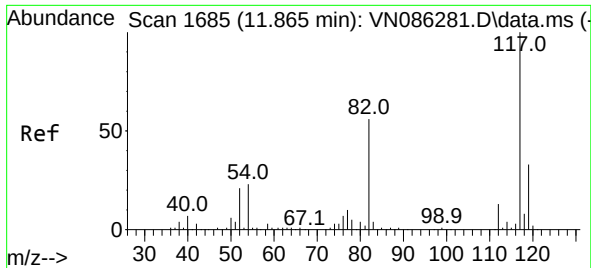
Ion Ratio Lower Upper

95 100

174 74.3 0.0 133.4

176 71.0 0.0 129.2

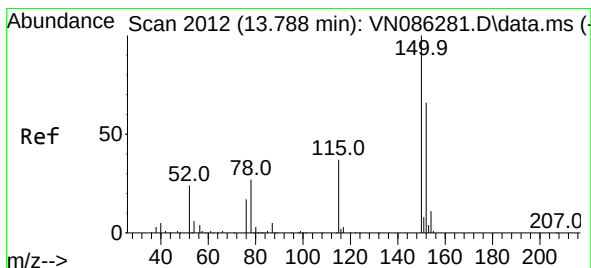
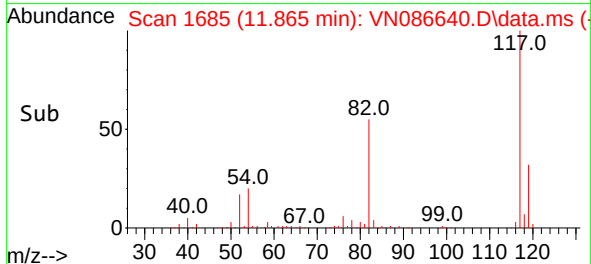
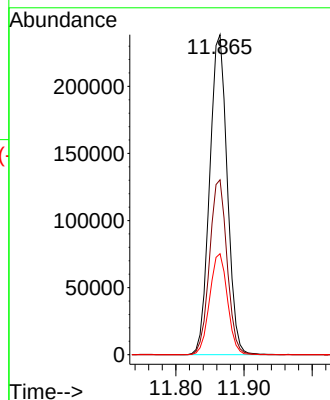
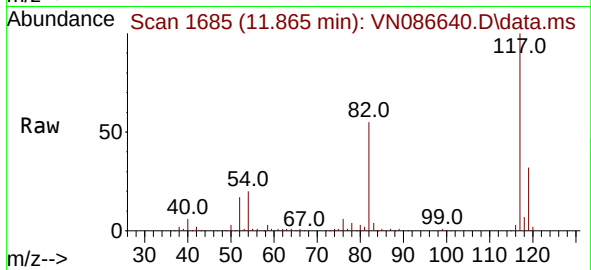




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086640.D
Acq: 15 May 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
PB167995ZHE#02

Tgt Ion:117 Resp: 427545
Ion Ratio Lower Upper
117 100
82 54.6 44.7 67.1
119 31.6 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: VN086640.D
Acq: 15 May 2025 13:11

Tgt Ion:152 Resp: 182748
Ion Ratio Lower Upper
152 100
115 60.7 31.9 95.9
150 156.6 0.0 352.0

