

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086978.D
 Acq On : 12 Jun 2025 15:31
 Operator : JC\MD
 Sample : Q2273-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-4

Quant Time: Jun 13 01:29:15 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)

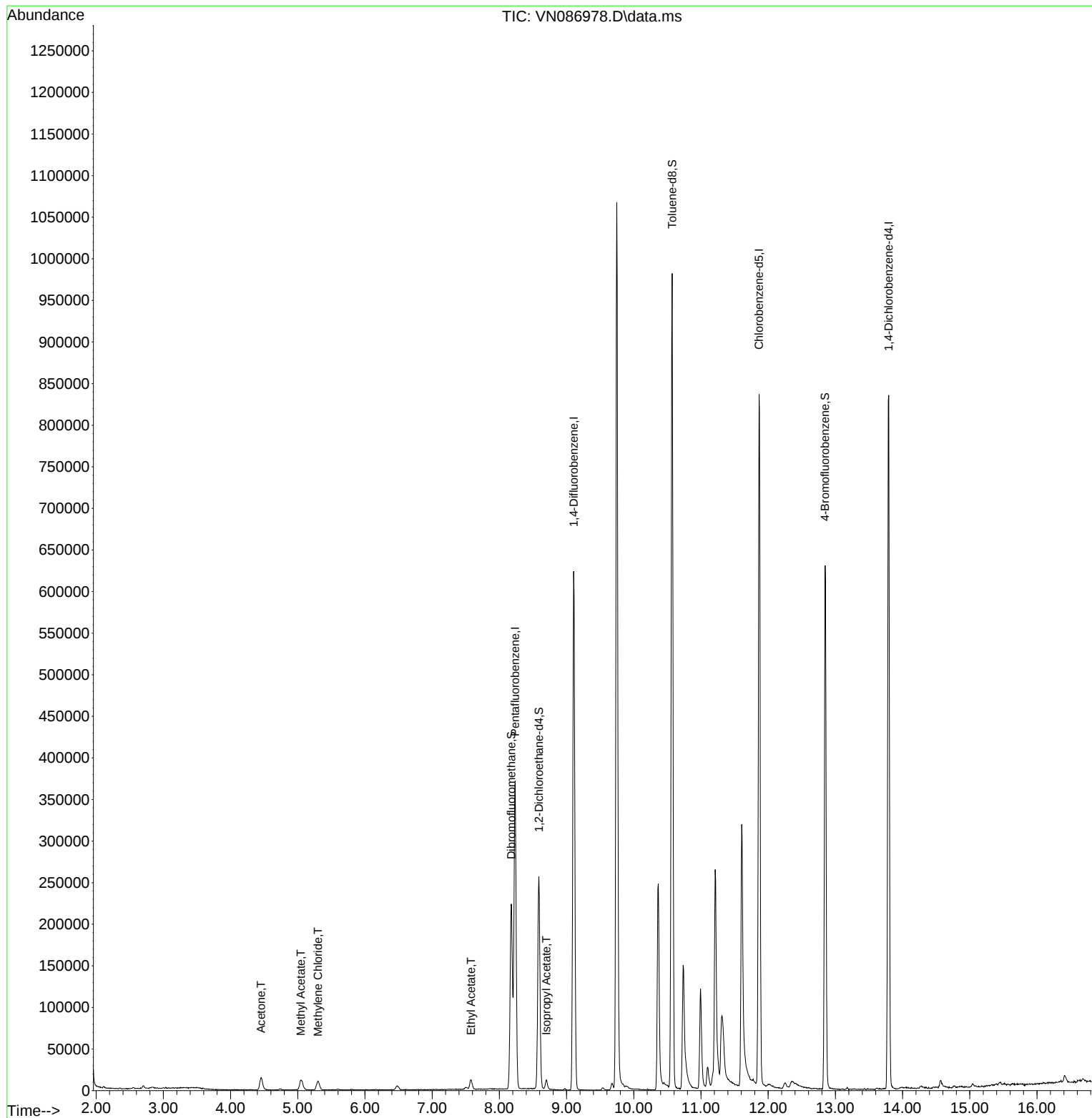
Internal Standards						
1) Pentafluorobenzene	8.235	168	291340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	577709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	525971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	249122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	207637	53.230	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 106.460%		
35) Dibromofluoromethane	8.177	113	174540	50.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 101.960%		
50) Toluene-d8	10.571	98	706117	52.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 104.200%		
62) 4-Bromofluorobenzene	12.847	95	252602	50.165	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 100.320%		
Target Compounds						Qvalue
16) Acetone	4.453	43	29503	14.262	ug/l	98
18) Methyl Acetate	5.047	43	27693	4.594	ug/l	98
20) Methylene Chloride	5.300	84	9515	2.457	ug/l	98
37) Ethyl Acetate	7.577	43	19109	2.942	ug/l	98
43) Isopropyl Acetate	8.700	43	12545	1.204	ug/l #	91

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

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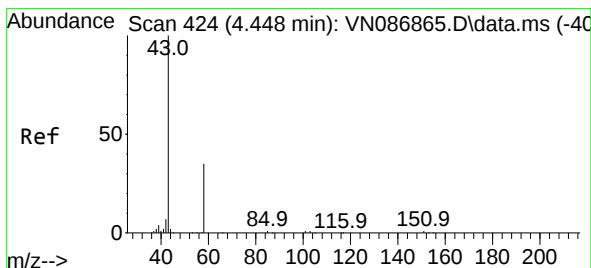
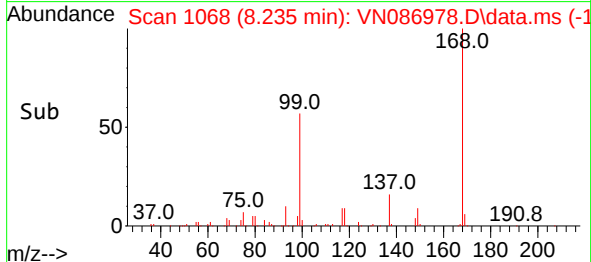
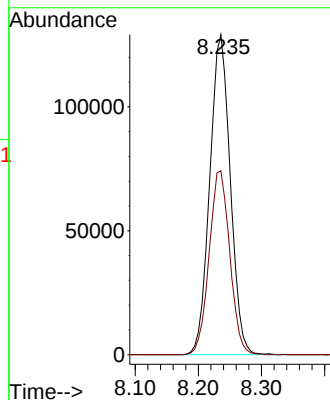
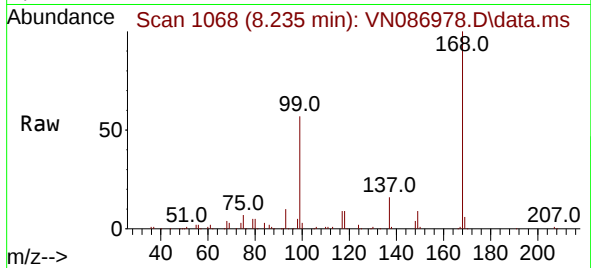




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

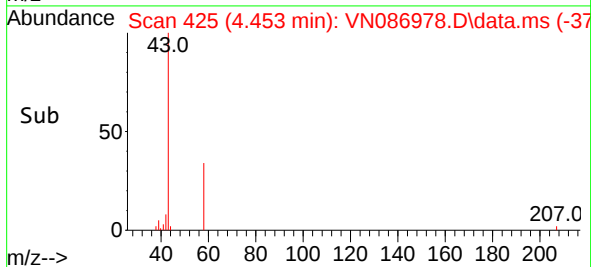
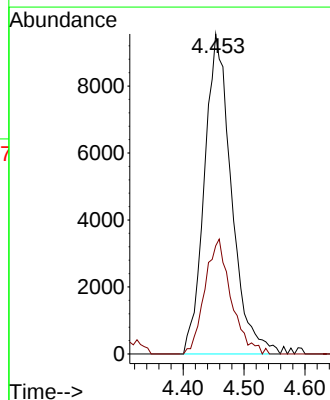
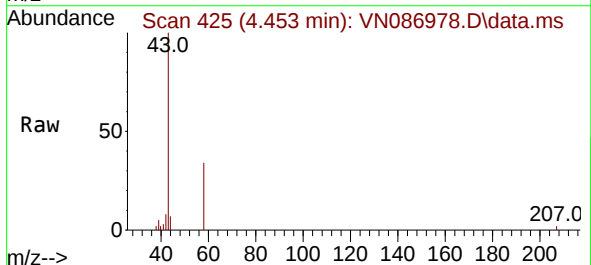
Instrument :
MSVOA_N
ClientSampleId :
WC-4

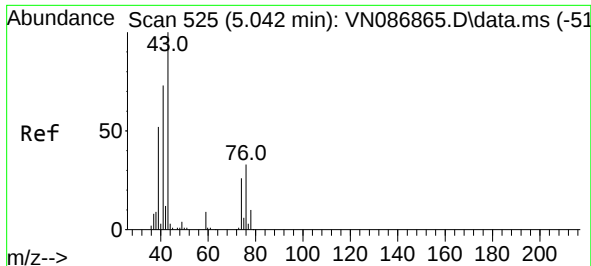
Tgt Ion:168 Resp: 291340
Ion Ratio Lower Upper
168 100
99 57.5 49.1 73.7



#16
Acetone
Concen: 14.262 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

Tgt Ion: 43 Resp: 29503
Ion Ratio Lower Upper
43 100
58 33.8 28.0 42.0

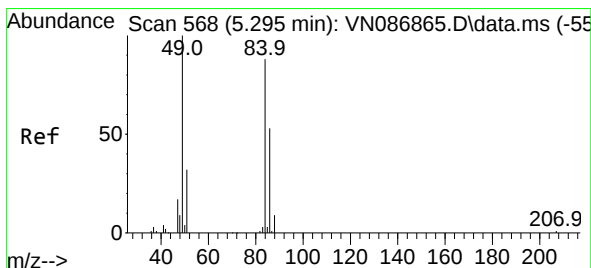
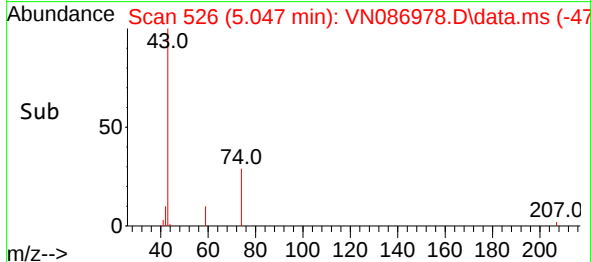
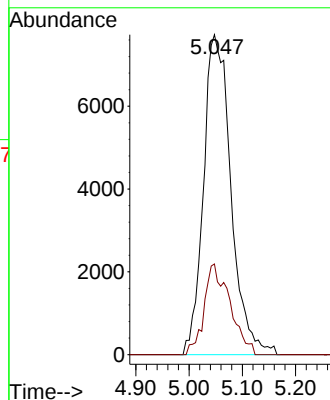
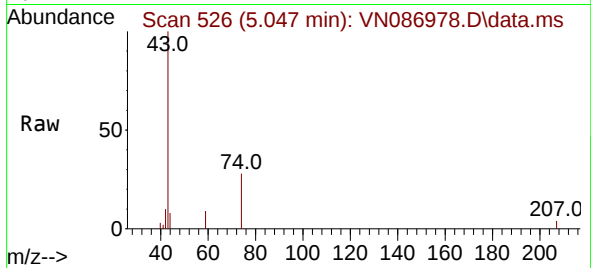




#18
Methyl Acetate
Concen: 4.594 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

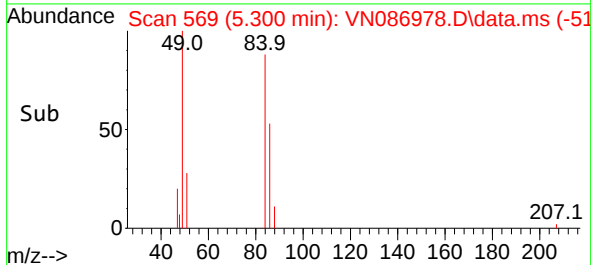
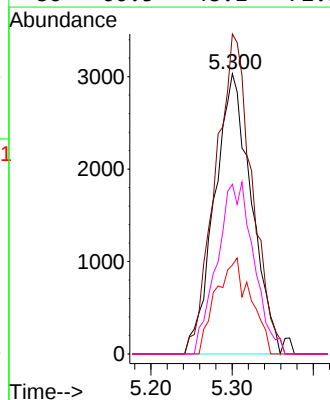
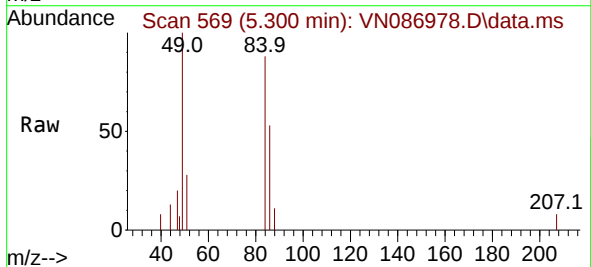
Instrument :
MSVOA_N
ClientSampleId :
WC-4

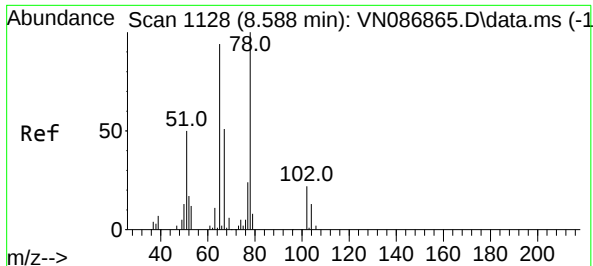
Tgt Ion: 43 Resp: 27693
Ion Ratio Lower Upper
43 100
74 26.7 20.7 31.1



#20
Methylene Chloride
Concen: 2.457 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

Tgt Ion: 84 Resp: 9515
Ion Ratio Lower Upper
84 100
49 114.1 90.5 135.7
51 31.8 28.5 42.7
86 60.5 48.1 72.1





#33

1,2-Dichloroethane-d4

Concen: 53.230 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086978.D

Acq: 12 Jun 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

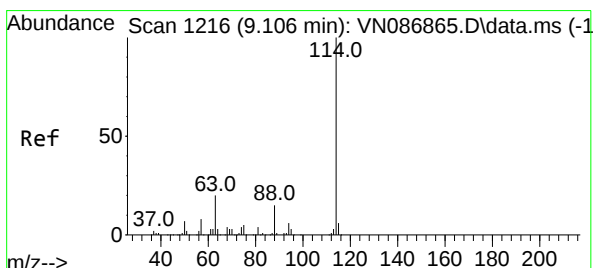
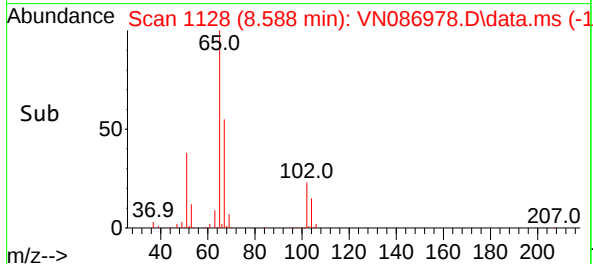
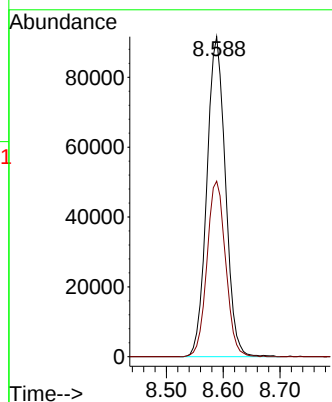
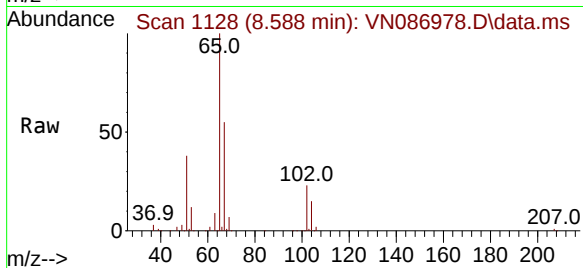
WC-4

Tgt Ion: 65 Resp: 207637

Ion Ratio Lower Upper

65 100

67 55.0 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: VN086978.D

Acq: 12 Jun 2025 15:31

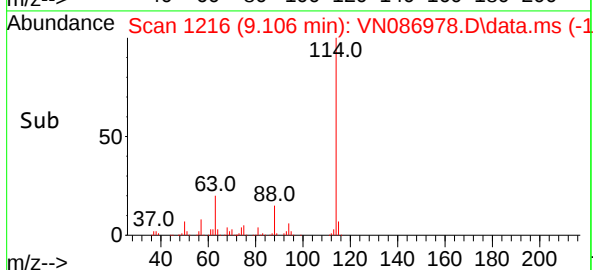
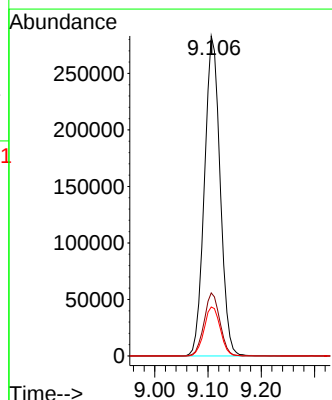
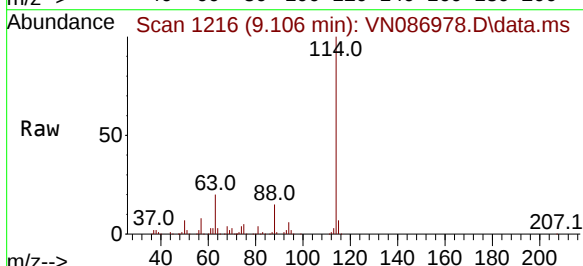
Tgt Ion: 114 Resp: 577709

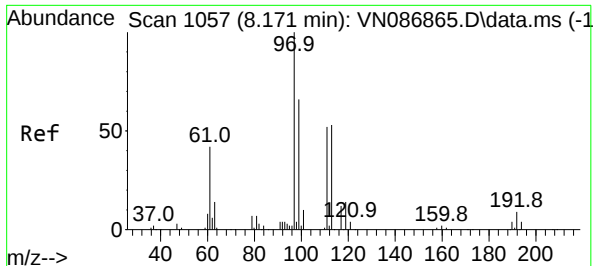
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.981 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN086978.D

Acq: 12 Jun 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

WC-4

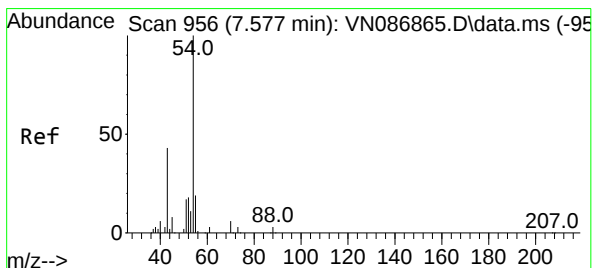
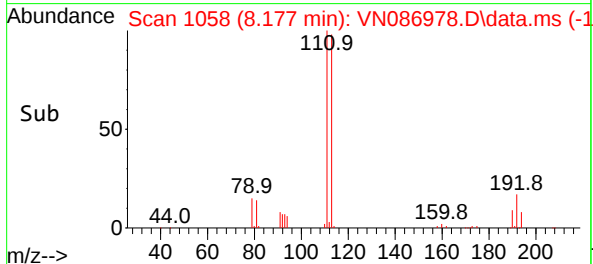
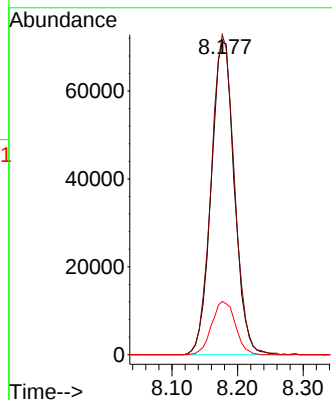
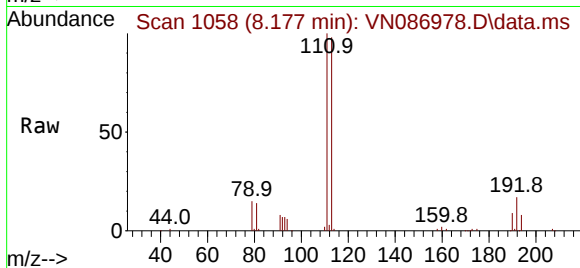
Tgt Ion:113 Resp: 174540

Ion Ratio Lower Upper

113 100

111 102.5 84.2 126.2

192 17.3 14.2 21.4



#37

Ethyl Acetate

Concen: 2.942 ug/l

RT: 7.577 min Scan# 956

Delta R.T. -0.000 min

Lab File: VN086978.D

Acq: 12 Jun 2025 15:31

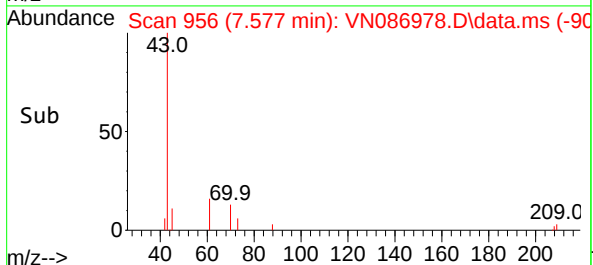
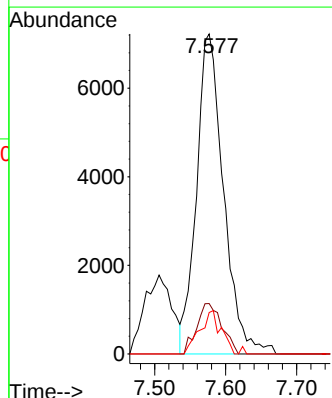
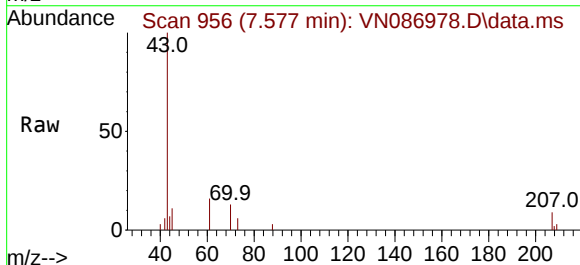
Tgt Ion: 43 Resp: 19109

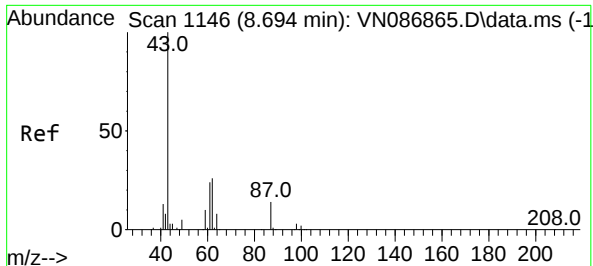
Ion Ratio Lower Upper

43 100

61 14.7 12.1 18.1

70 10.6 9.8 14.6

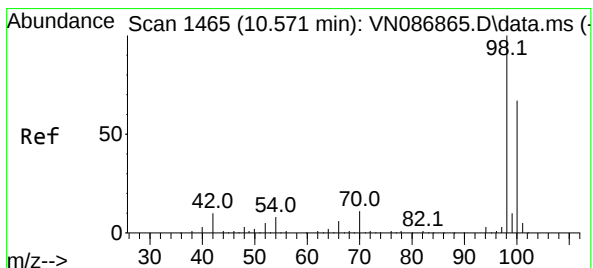
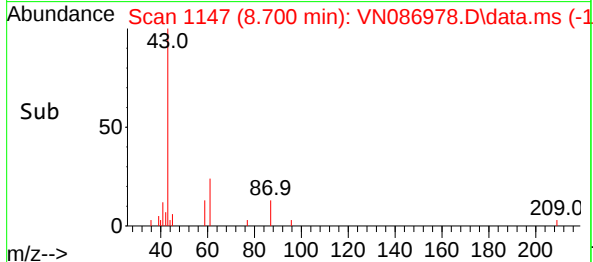
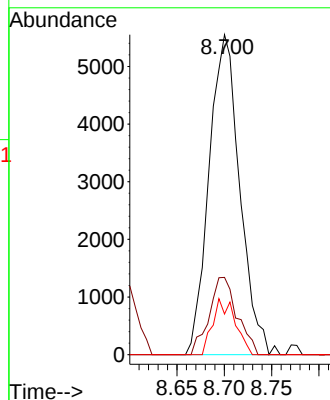
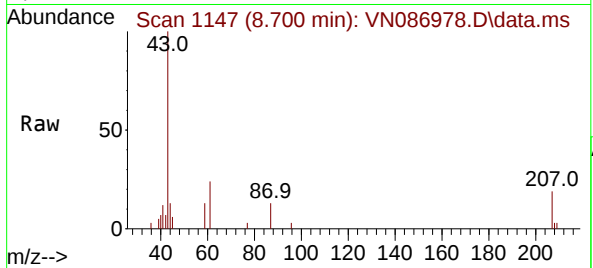




#43
Isopropyl Acetate
Concen: 1.204 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

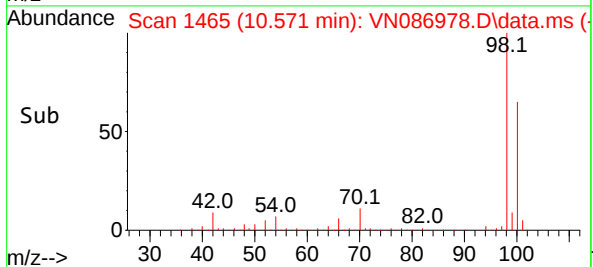
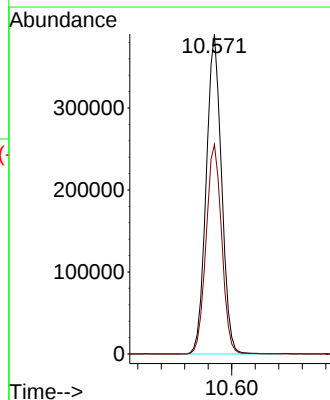
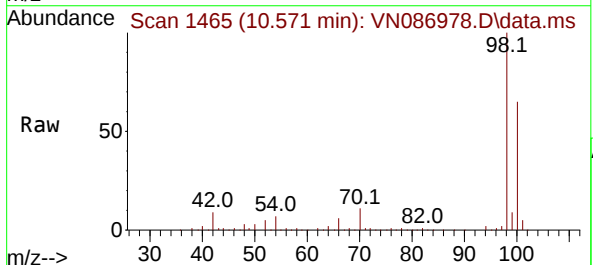
Instrument :
MSVOA_N
ClientSampleId :
WC-4

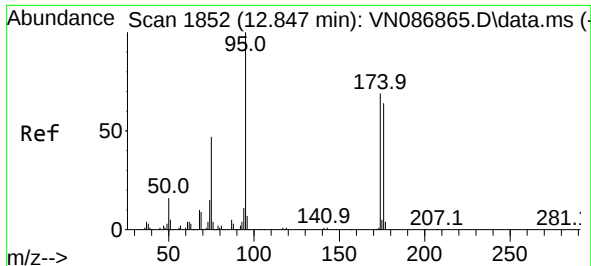
Tgt Ion: 43 Resp: 12545
Ion Ratio Lower Upper
43 100
61 22.0 22.1 33.1#
87 12.7 11.8 17.6



#50
Toluene-d8
Concen: 52.099 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

Tgt Ion: 98 Resp: 706117
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0

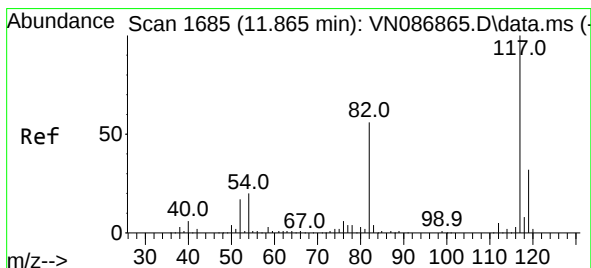
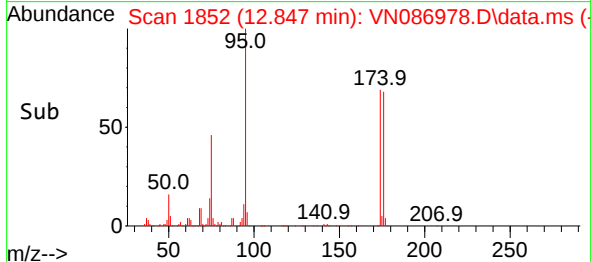
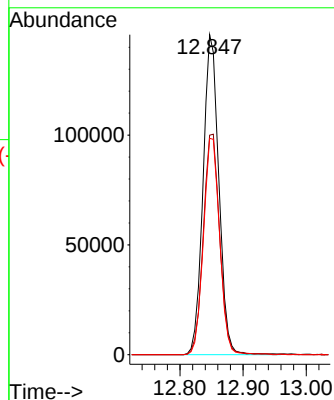
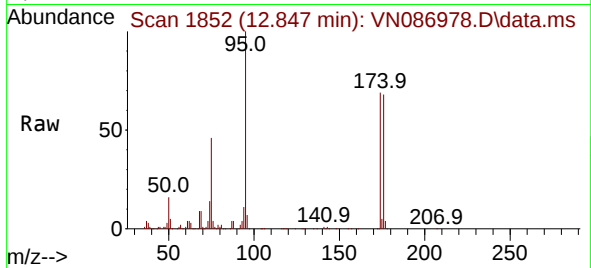




#62
4-Bromofluorobenzene
Concen: 50.165 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

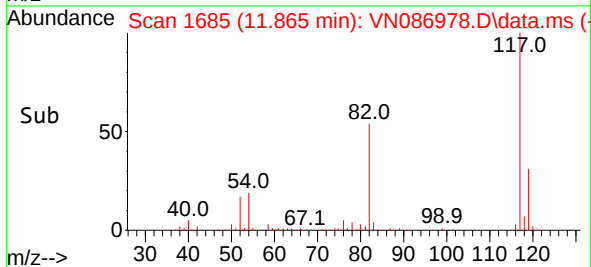
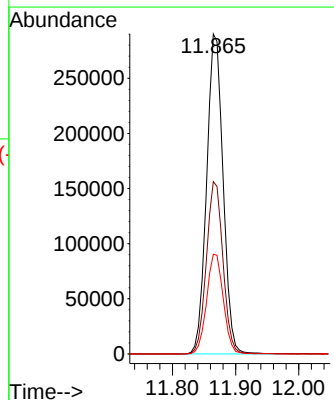
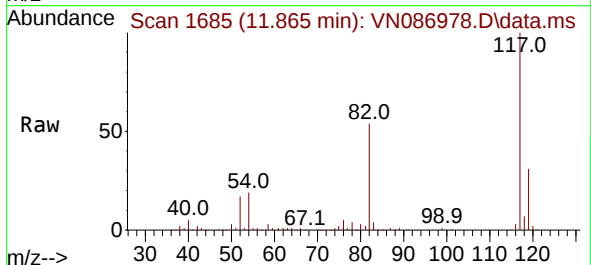
Instrument :
MSVOA_N
ClientSampleId :
WC-4

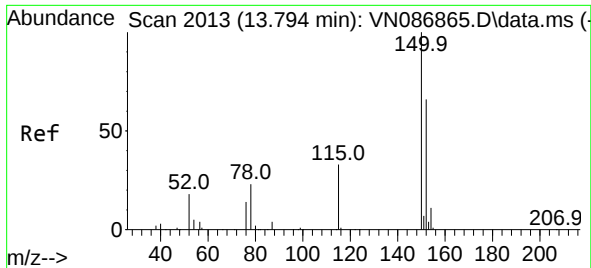
Tgt Ion: 95 Resp: 252602
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.8
176 69.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

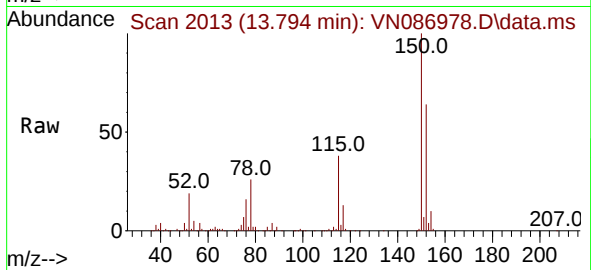
Tgt Ion: 117 Resp: 525971
Ion Ratio Lower Upper
117 100
82 53.9 44.6 67.0
119 31.1 25.5 38.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086978.D
 Acq: 12 Jun 2025 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
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Tgt Ion:152 Resp: 249122
 Ion Ratio Lower Upper
 152 100
 115 60.5 30.1 90.5
 150 156.5 0.0 345.0

