

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086978.D
 Acq On : 12 Jun 2025 15:31
 Operator : JC\MD
 Sample : Q2273-04RE
 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)

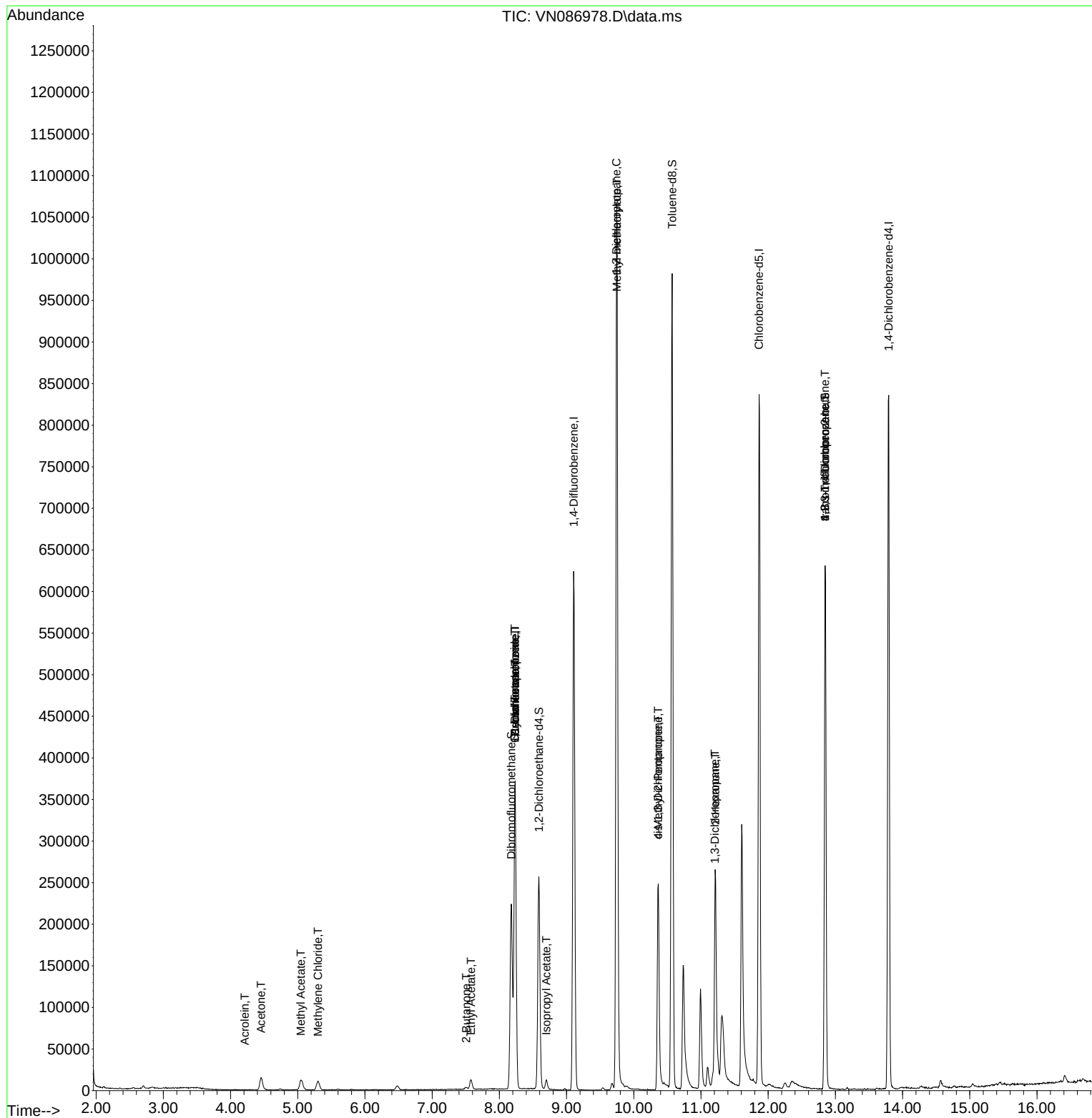
Internal Standards						
1) Pentafluorobenzene	8.235	168	291340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	577709	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	525971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	249122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
13) Acrolein	4.212	56	123	0.367	ug/l #	15
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
25) 2-Butanone	7.506	43	4776	1.420	ug/l	90
31) Cyclohexane	8.235	56	5235	0.827	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	22082	4.328	ug/l #	47
37) Ethyl Acetate	7.577	43	19109	2.942	ug/l	98
38) Carbon Tetrachloride	8.230	117	28644	5.719	ug/l #	18
43) Isopropyl Acetate	8.700	43	12545	1.204	ug/l #	91
45) 1,2-Dichloropropane	9.741	63	1428	0.352	ug/l #	43
48) Methyl methacrylate	9.747	41	90965	18.961	ug/l #	35
51) 4-Methyl-2-Pentanone	10.365	43	100039	15.943	ug/l #	45
54) cis-1,3-Dichloropropene	10.365	75	60270	9.082	ug/l #	56
57) 1,3-Dichloropropane	11.206	76	3646	0.536	ug/l #	43
59) 2-Hexanone	11.212	43	53991	13.358	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	118896	20.078	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	118896	46.218	ug/l #	16

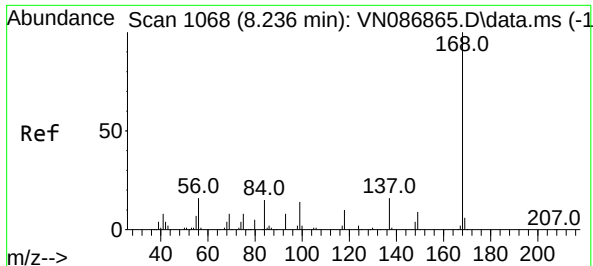
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

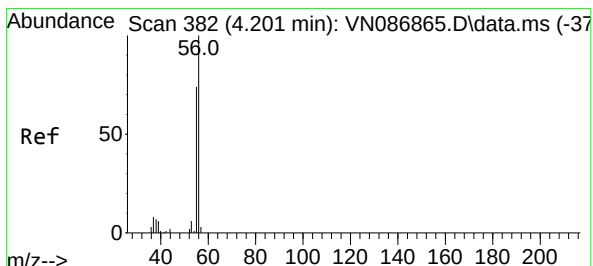
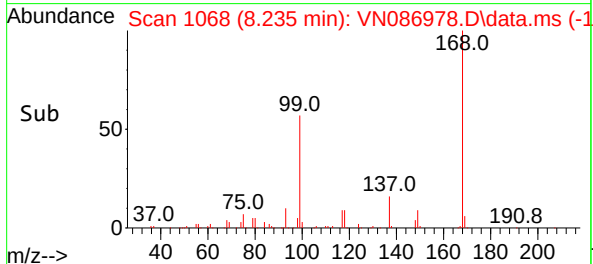
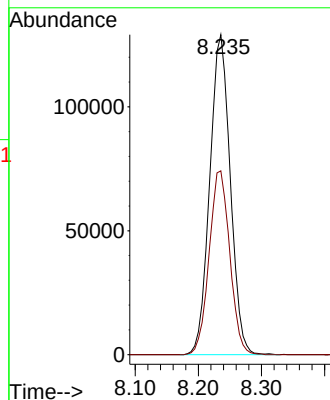
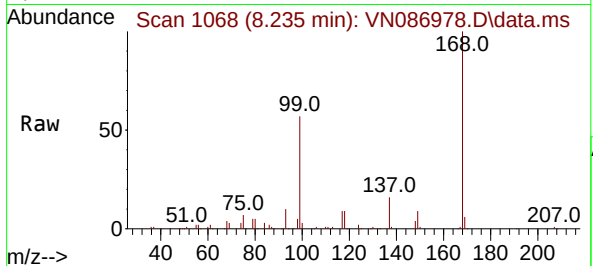




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

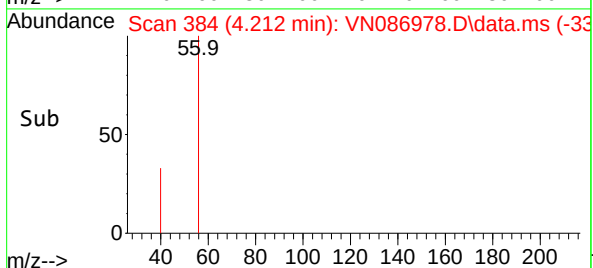
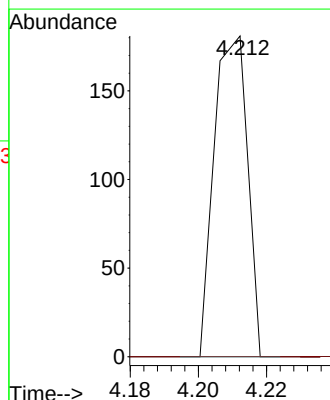
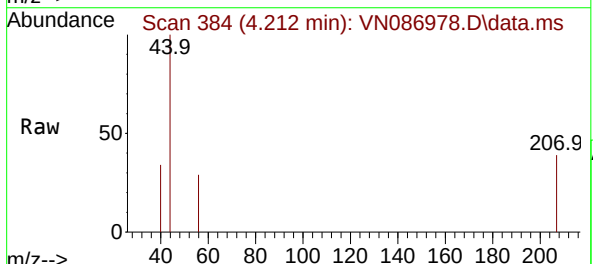
Instrument :
MSVOA_N
ClientSampleId :
WC-4

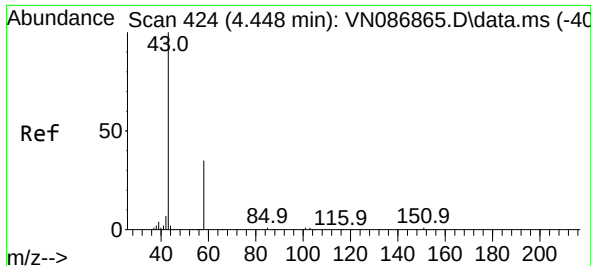
Tgt Ion:168 Resp: 291340
Ion Ratio Lower Upper
168 100
99 57.5 49.1 73.7



#13
Acrolein
Concen: 0.367 ug/l
RT: 4.212 min Scan# 384
Delta R.T. 0.012 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 0.0 55.6 83.4#

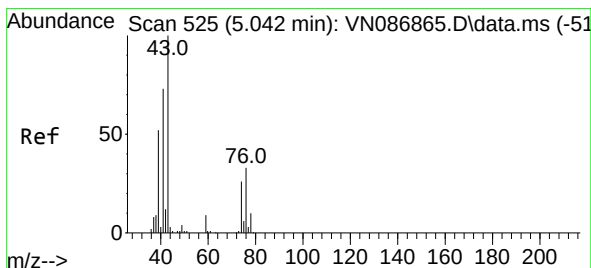
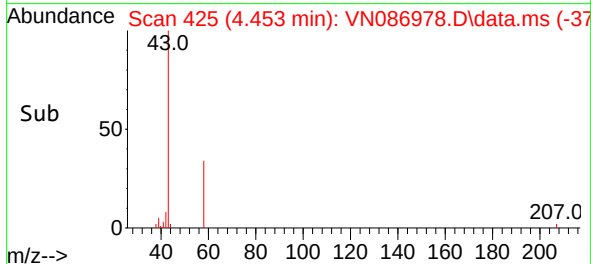
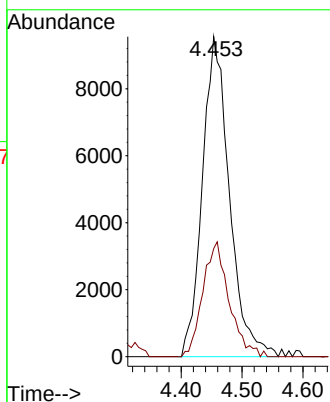
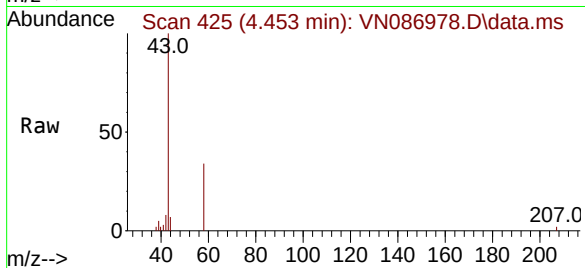




#16
Acetone
Concen: 14.262 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

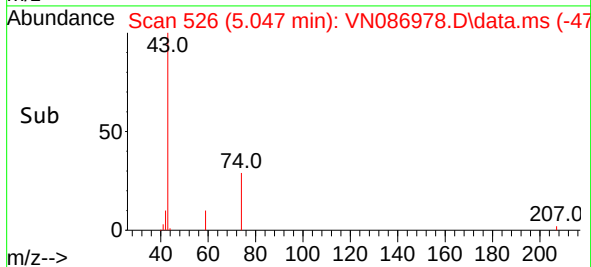
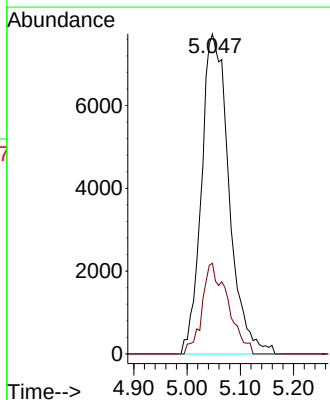
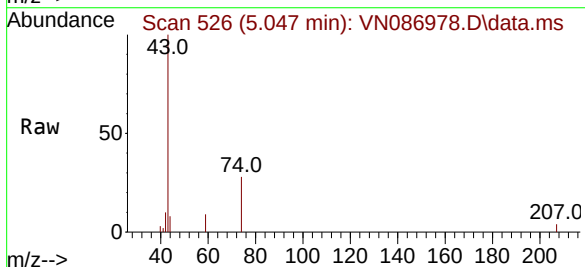
Instrument :
MSVOA_N
ClientSampleId :
WC-4

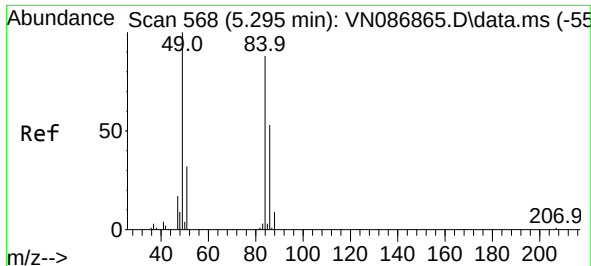
Tgt Ion: 43 Resp: 29503
Ion Ratio Lower Upper
43 100
58 33.8 28.0 42.0



#18
Methyl Acetate
Concen: 4.594 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

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

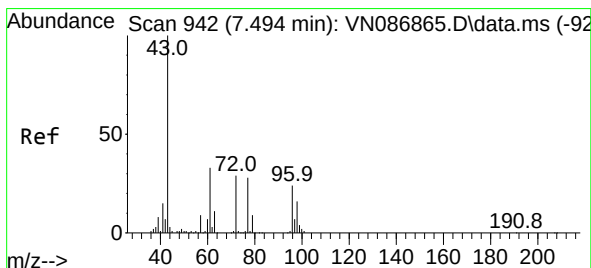
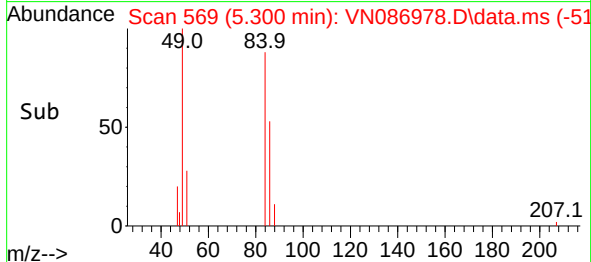
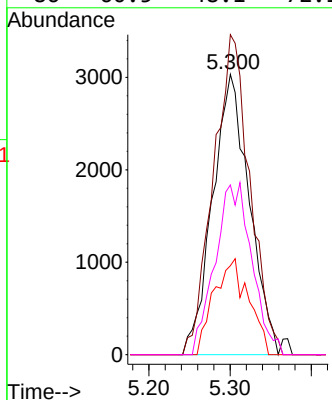
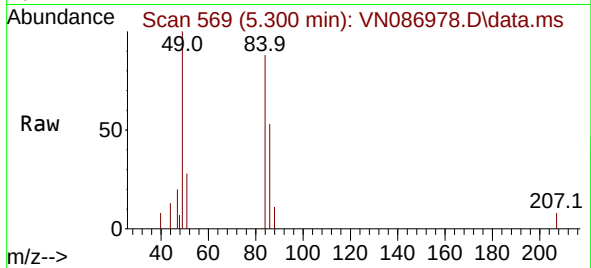




#20
Methylene Chloride
Concen: 2.457 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

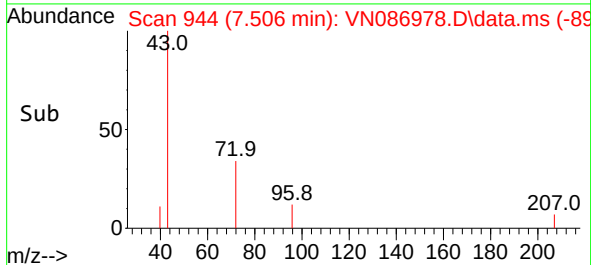
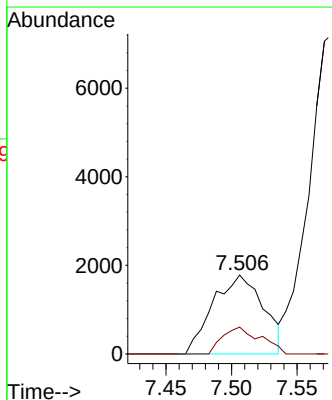
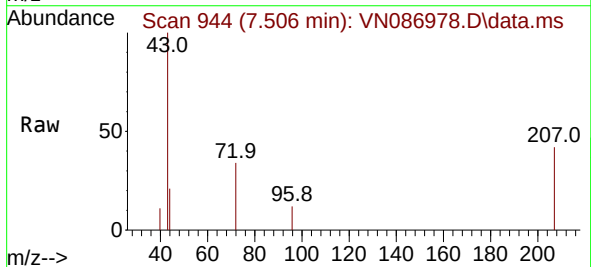
Instrument :
MSVOA_N
ClientSampleId :
WC-4

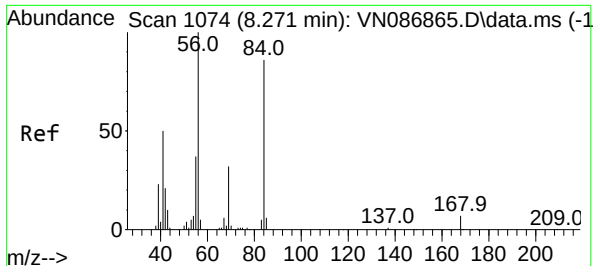
Tgt Ion:	84	Resp:	9515
Ion	Ratio	Lower	Upper
84	100		
49	114.1	90.5	135.7
51	31.8	28.5	42.7
86	60.5	48.1	72.1



#25
2-Butanone
Concen: 1.420 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

Tgt Ion:	43	Resp:	4776
Ion	Ratio	Lower	Upper
43	100		
72	34.1	23.0	34.6

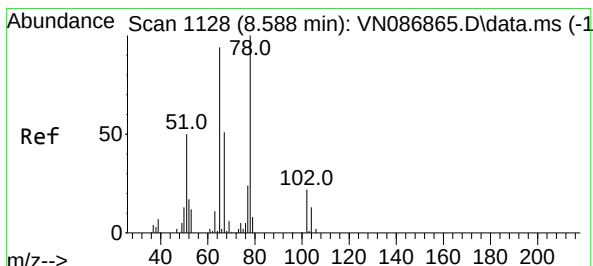
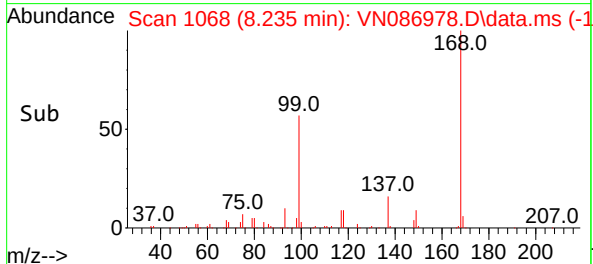
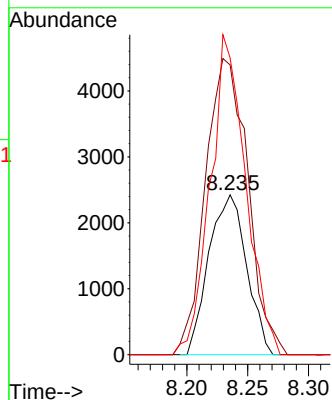
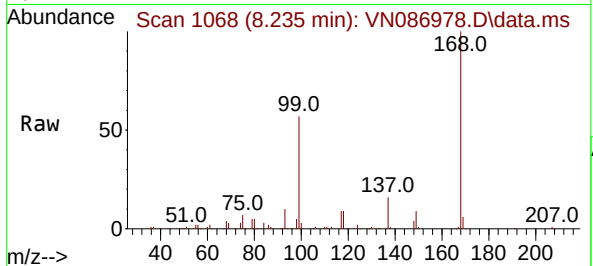




#31
Cyclohexane
Concen: 0.827 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

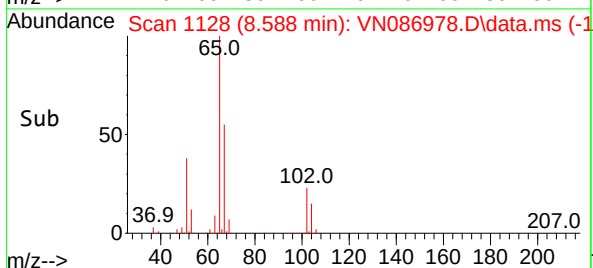
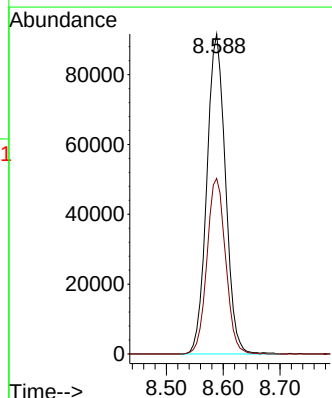
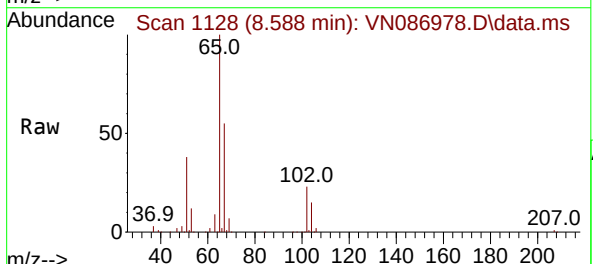
Instrument :
MSVOA_N
ClientSampleId :
WC-4

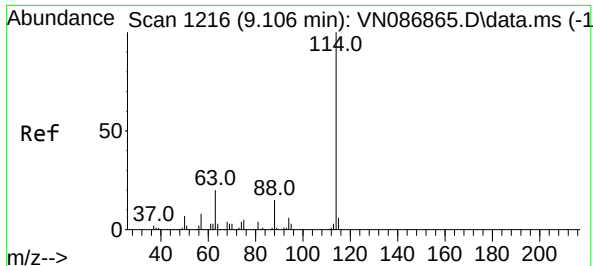
Tgt Ion: 56 Resp: 5235
Ion Ratio Lower Upper
56 100
69 174.8 25.4 38.0#
84 185.6 68.8 103.2#



#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

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# 1

Delta R.T. -0.000 min

Lab File: VN086978.D

Acq: 12 Jun 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

WC-4

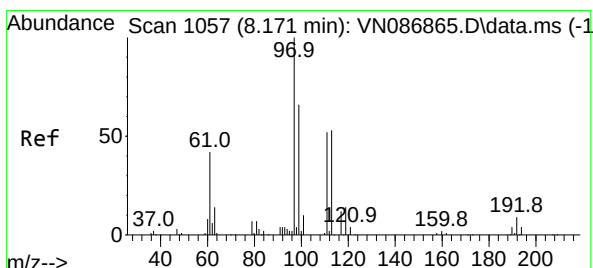
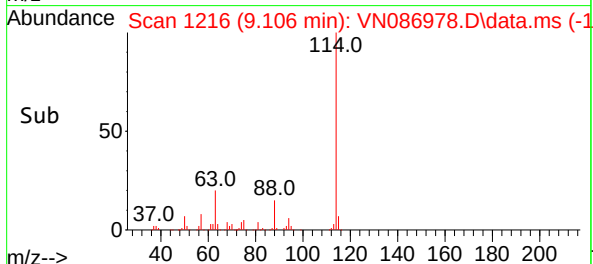
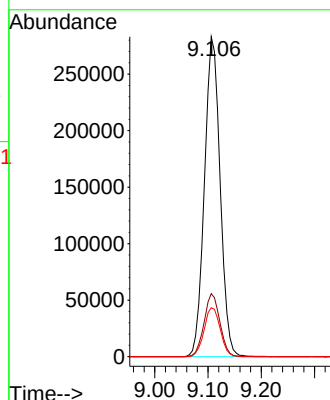
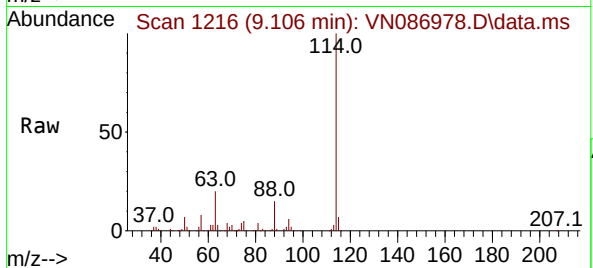
Tgt Ion:114 Resp: 577709

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# 1058

Delta R.T. 0.006 min

Lab File: VN086978.D

Acq: 12 Jun 2025 15:31

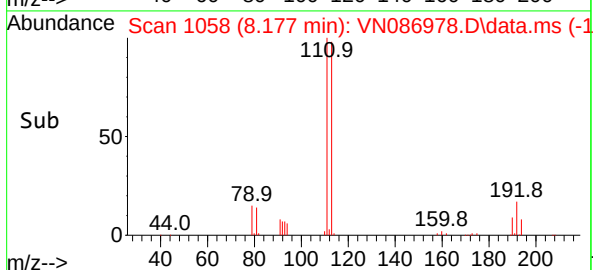
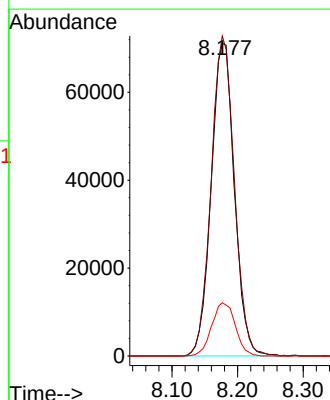
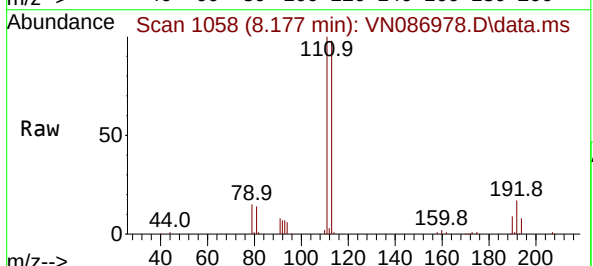
Tgt Ion:113 Resp: 174540

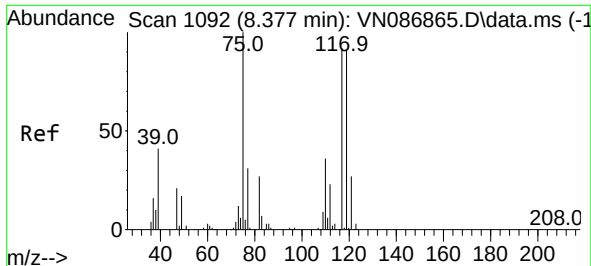
Ion Ratio Lower Upper

113 100

111 102.5 84.2 126.2

192 17.3 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.328 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN086978.D

Acq: 12 Jun 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

WC-4

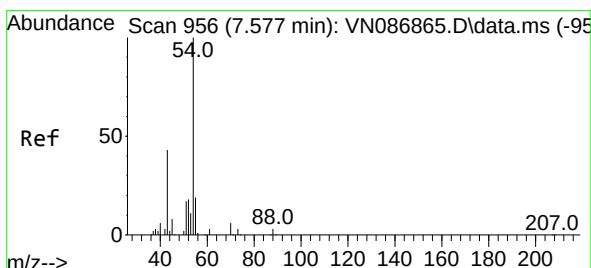
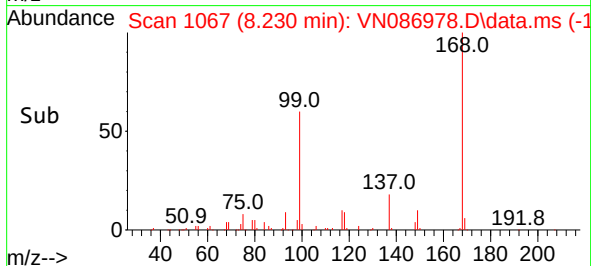
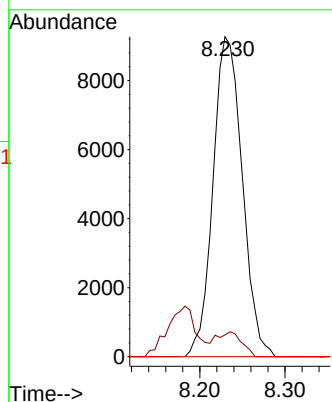
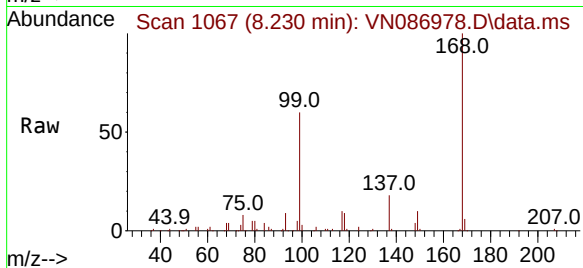
Tgt Ion: 75 Resp: 22082

Ion Ratio Lower Upper

75 100

110 6.6 17.6 52.9#

77 0.0 25.3 37.9#



#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

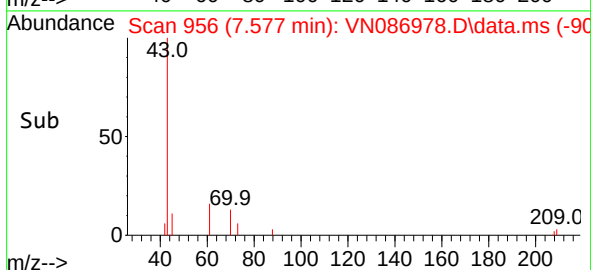
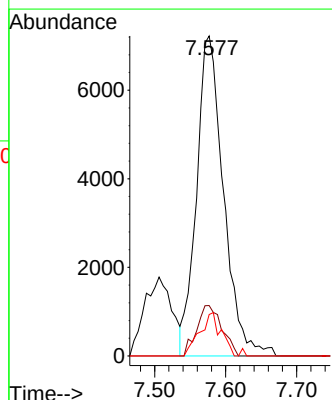
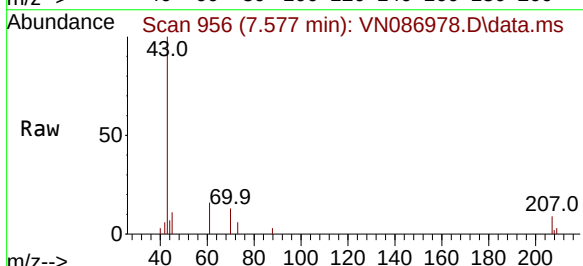
Tgt Ion: 43 Resp: 19109

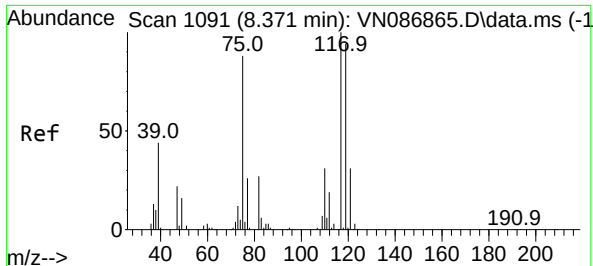
Ion Ratio Lower Upper

43 100

61 14.7 12.1 18.1

70 10.6 9.8 14.6

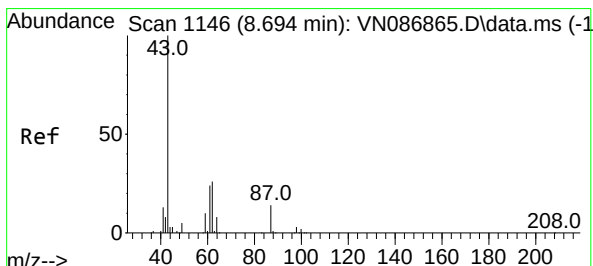
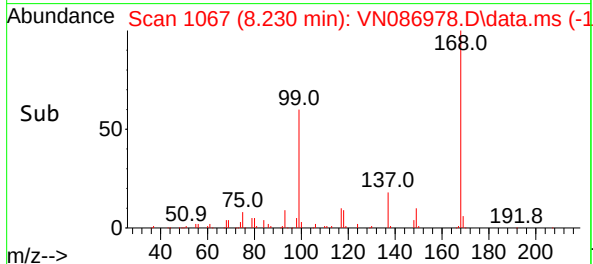
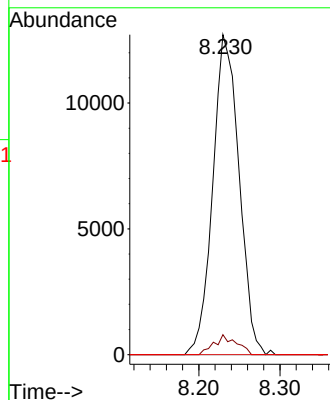
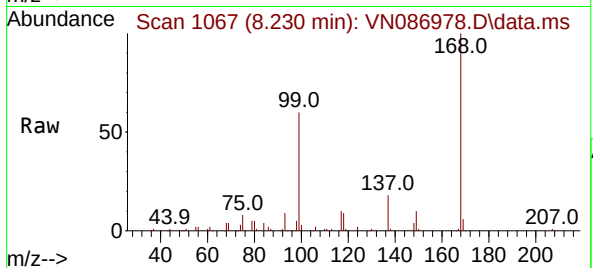




#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

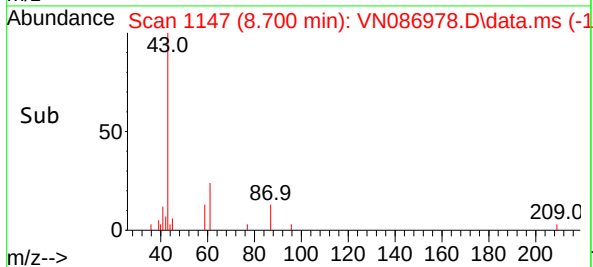
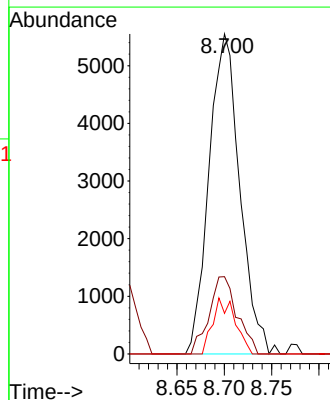
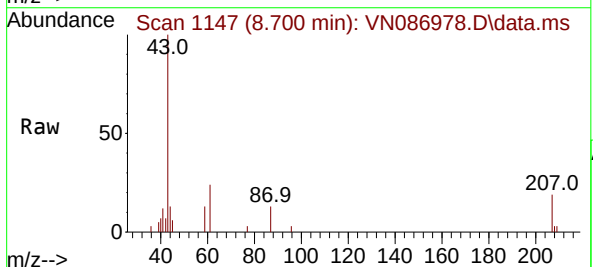
Instrument :
MSVOA_N
ClientSampleId :
WC-4

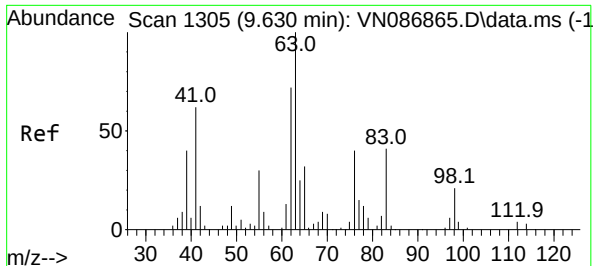
Tgt Ion:117 Resp: 28644
Ion Ratio Lower Upper
117 100
119 6.3 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 1.204 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

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





#45

1,2-Dichloropropane

Concen: 0.352 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN086978.D

Acq: 12 Jun 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

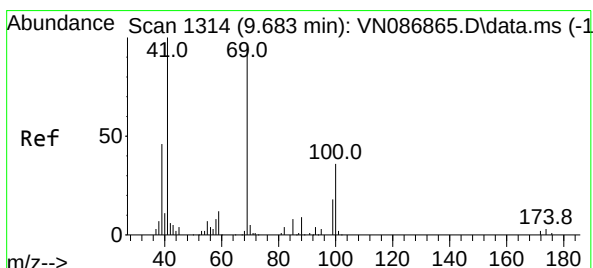
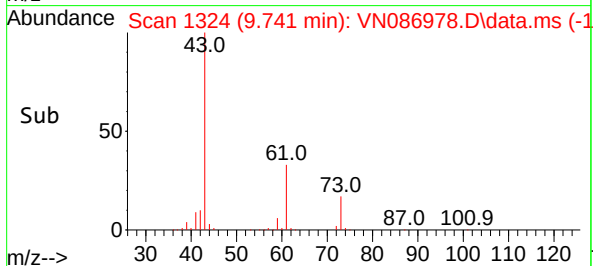
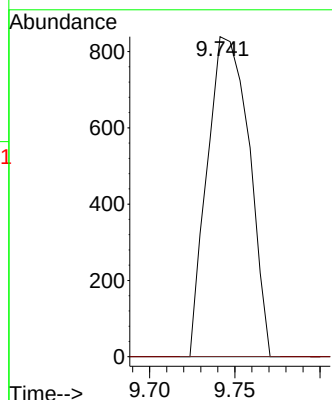
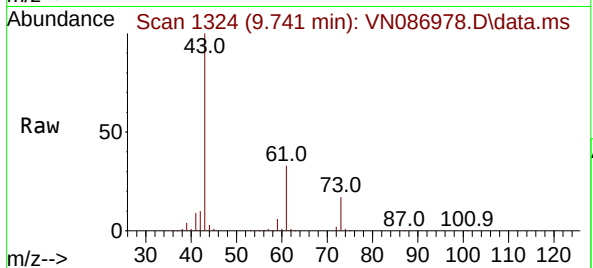
WC-4

Tgt Ion: 63 Resp: 1428

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 18.961 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN086978.D

Acq: 12 Jun 2025 15:31

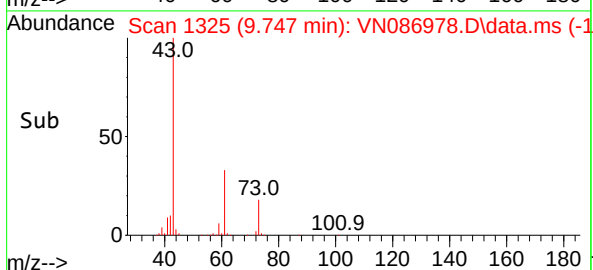
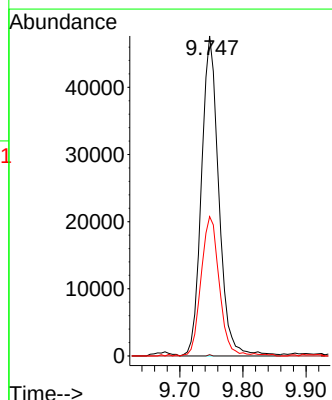
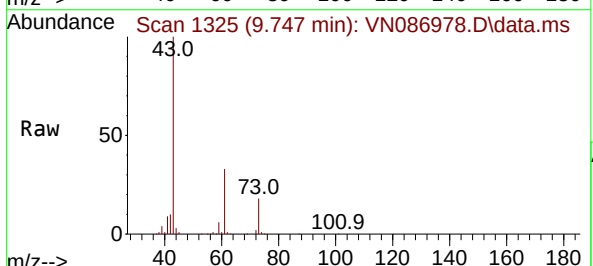
Tgt Ion: 41 Resp: 90965

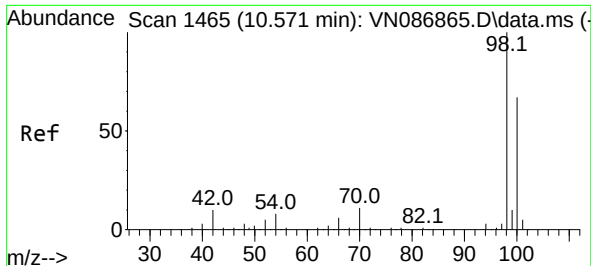
Ion Ratio Lower Upper

41 100

69 0.1 74.6 112.0#

39 45.4 40.2 60.4

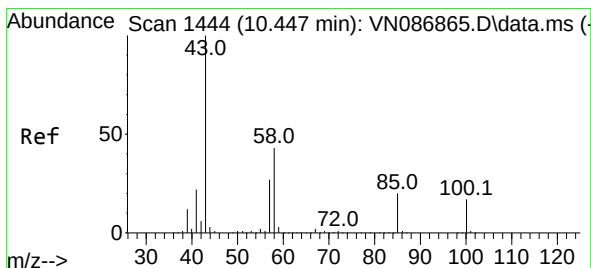
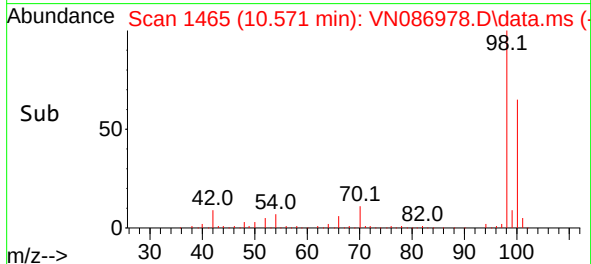
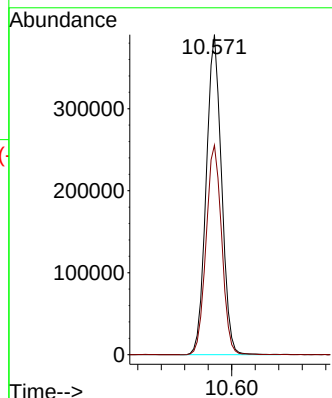
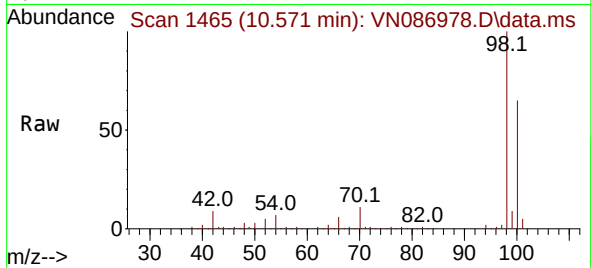




#50
Toluene-d8
Concen: 52.099 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

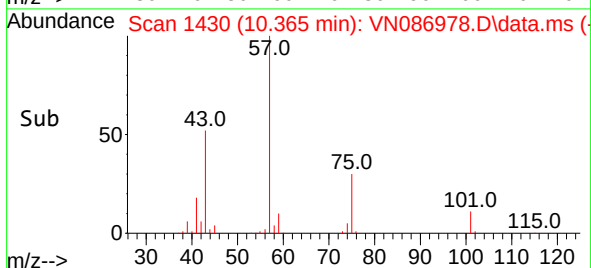
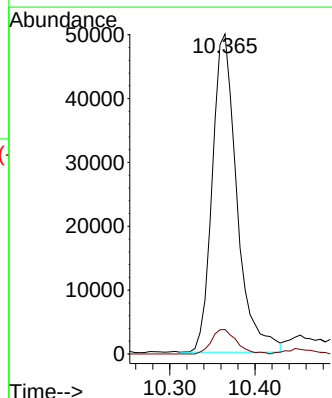
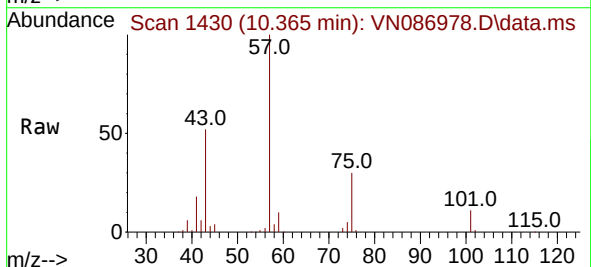
Instrument :
MSVOA_N
ClientSampleId :
WC-4

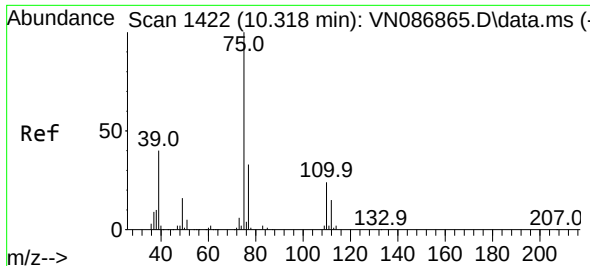
Tgt Ion: 98 Resp: 706117
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 15.943 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

Tgt Ion: 43 Resp: 100039
Ion Ratio Lower Upper
43 100
58 7.8 34.2 51.4#

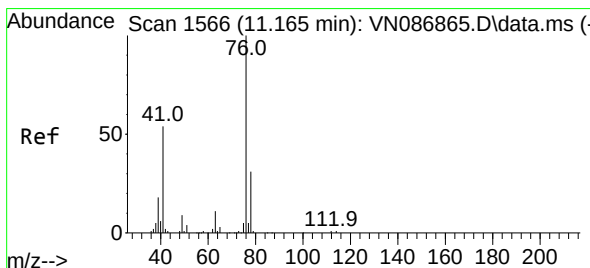
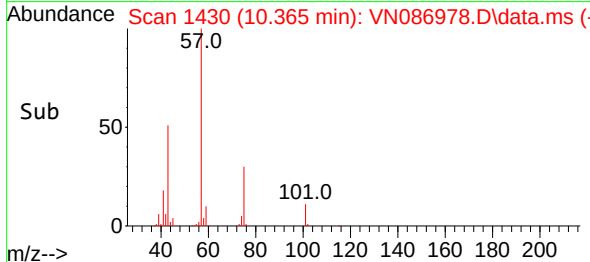
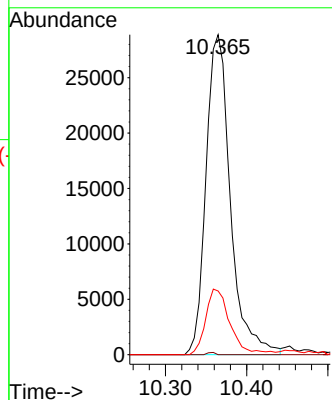
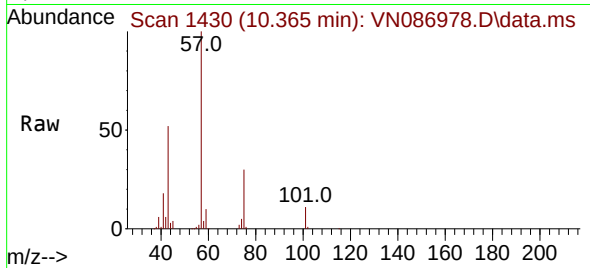




#54
cis-1,3-Dichloropropene
Concen: 9.082 ug/l
RT: 10.365 min Scan# 1422
Delta R.T. 0.047 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

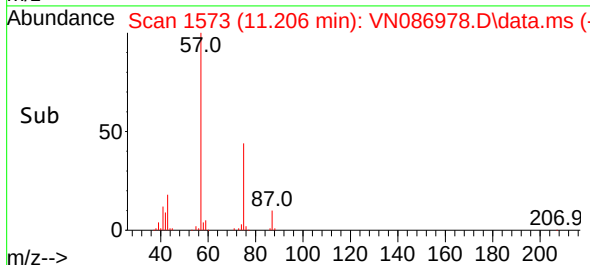
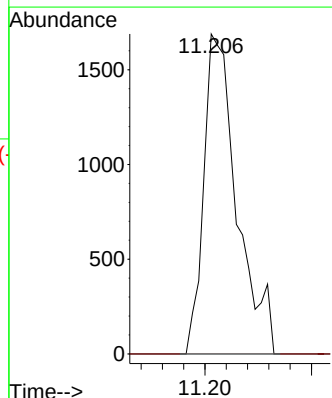
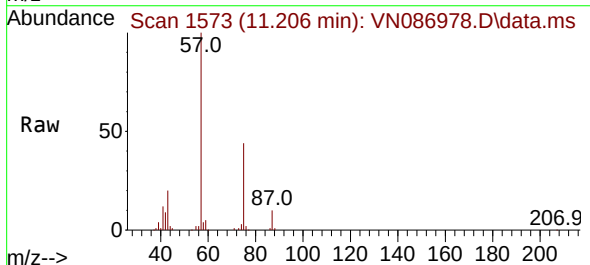
Instrument :
MSVOA_N
ClientSampleId :
WC-4

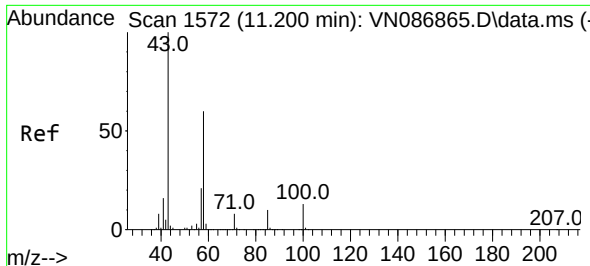
Tgt Ion: 75 Resp: 60270
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#
39 19.9 32.3 48.5#



#57
1,3-Dichloropropane
Concen: 0.536 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

Tgt Ion: 76 Resp: 3646
Ion Ratio Lower Upper
76 100
78 0.0 25.3 37.9#

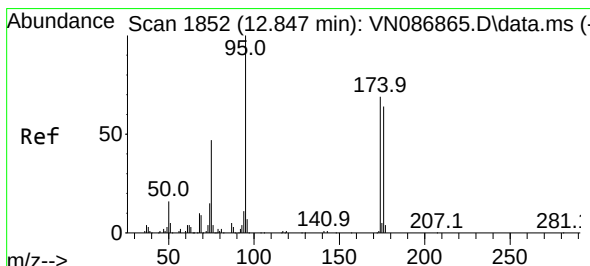
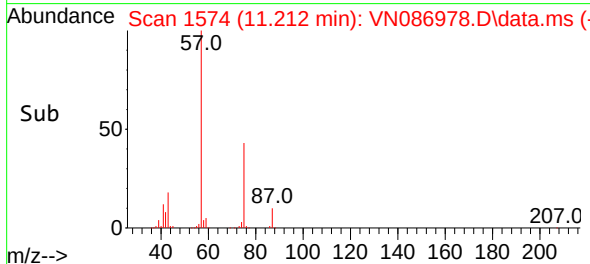
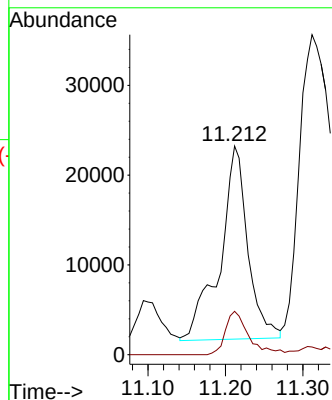
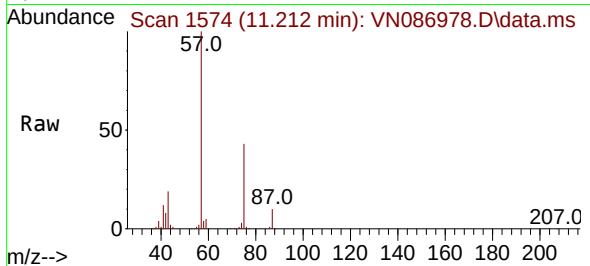




#59
2-Hexanone
Concen: 13.358 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

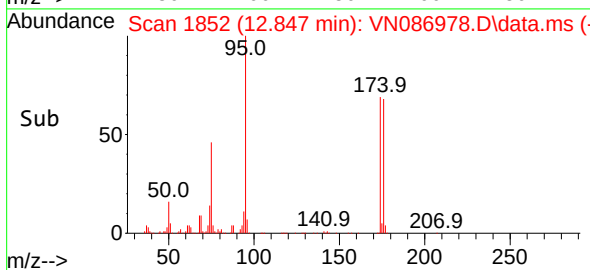
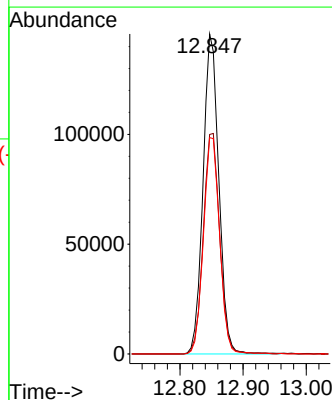
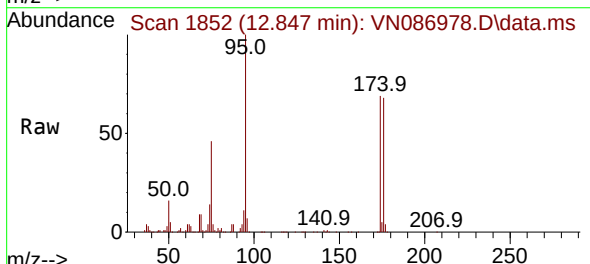
Instrument :
MSVOA_N
ClientSampleId :
WC-4

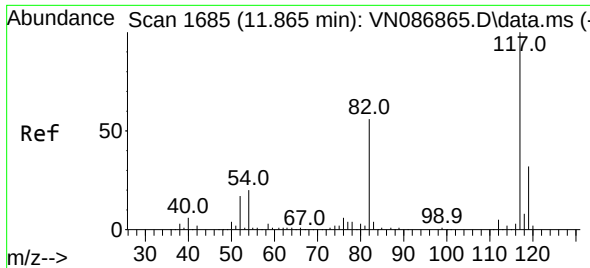
Tgt Ion: 43 Resp: 53991
Ion Ratio Lower Upper
43 100
58 18.7 30.4 91.3#



#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

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

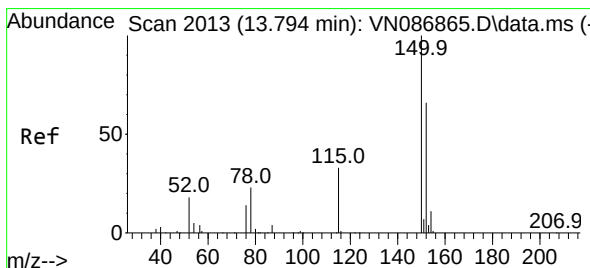
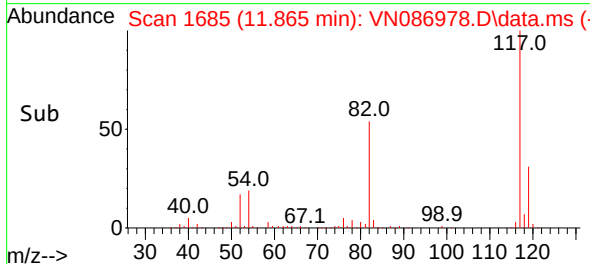
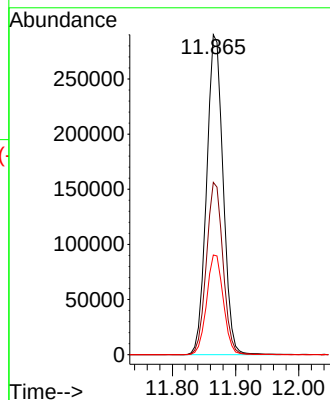
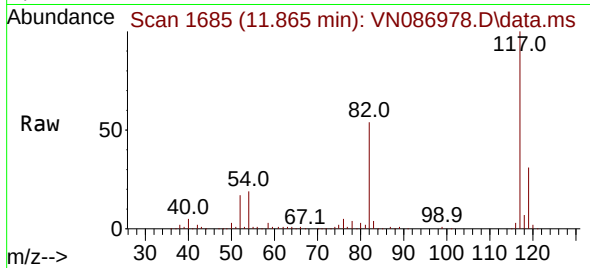




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

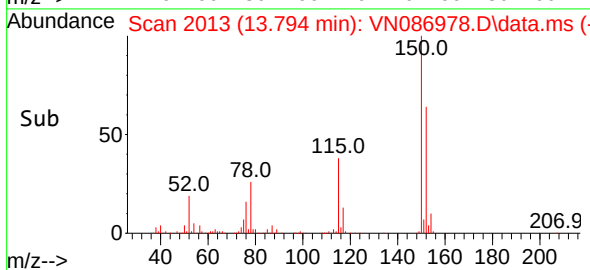
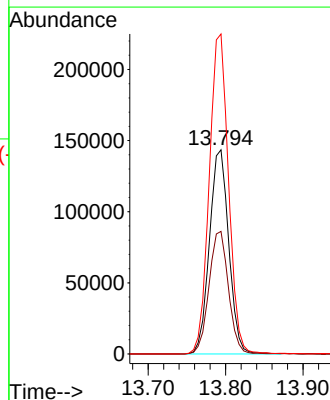
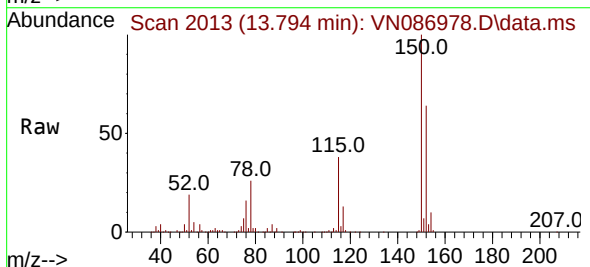
Instrument :
MSVOA_N
ClientSampleId :
WC-4

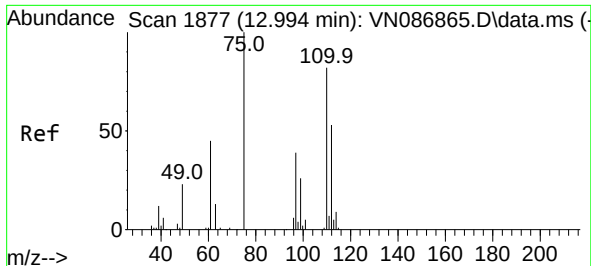
Tgt Ion:117 Resp: 525971
Ion Ratio Lower Upper
117 100
82 53.9 44.6 67.0
119 31.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

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

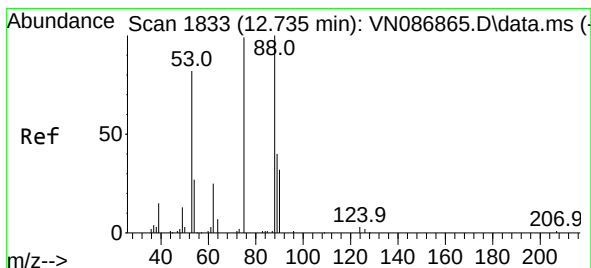
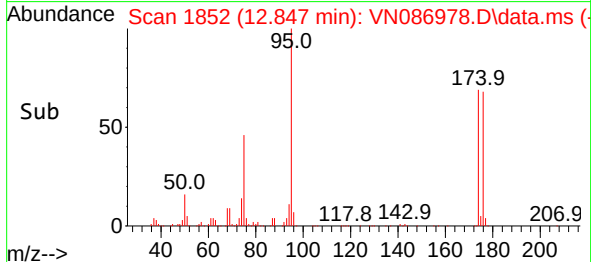
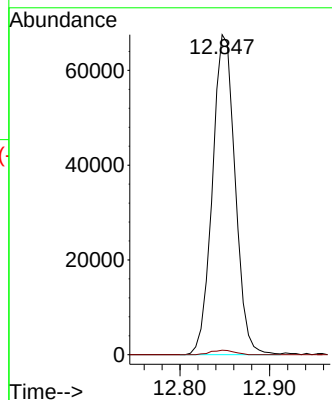
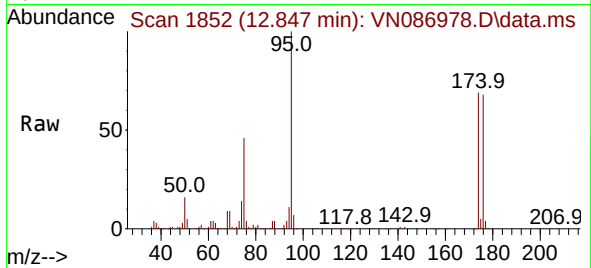




#76
1,2,3-Trichloropropane
Concen: 20.078 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

Instrument :
MSVOA_N
ClientSampleId :
WC-4

Tgt Ion: 75 Resp: 118896
Ion Ratio Lower Upper
75 100
77 1.5 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.218 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086978.D
Acq: 12 Jun 2025 15:31

Tgt Ion: 75 Resp: 118896
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

