

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086979.D
 Acq On : 12 Jun 2025 15:54
 Operator : JC\MD
 Sample : Q2273-08RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-6

Quant Time: Jun 13 01:29:39 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

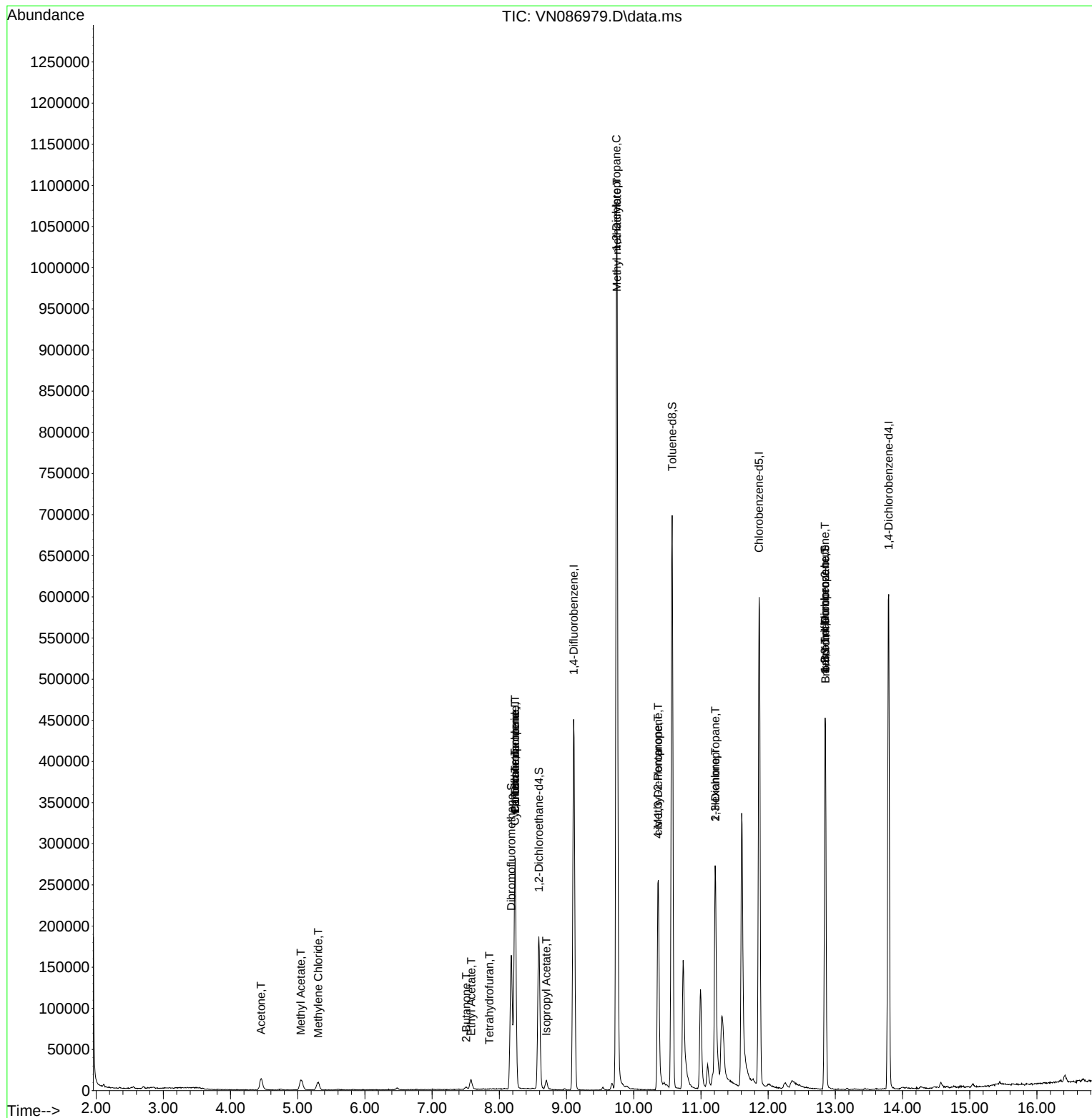
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	213622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	414501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	376760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	177711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	152946	53.475	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.940%	
35) Dibromofluoromethane	8.177	113	125512	51.095	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.200%	
50) Toluene-d8	10.571	98	511198	52.569	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.140%	
62) 4-Bromofluorobenzene	12.847	95	185252	51.275	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.560%	
Target Compounds						Qvalue
16) Acetone	4.454	43	27808	18.334	ug/l	93
18) Methyl Acetate	5.048	43	28573	6.464	ug/l	98
20) Methylene Chloride	5.306	84	8702	3.064	ug/l	90
25) 2-Butanone	7.506	43	4839	1.963	ug/l	97
29) Tetrahydrofuran	7.853	42	499	0.311	ug/l #	39
31) Cyclohexane	8.230	56	3820	0.823	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	16740	4.573	ug/l #	47
37) Ethyl Acetate	7.583	43	19081	4.095	ug/l	99
38) Carbon Tetrachloride	8.236	117	20918	5.821	ug/l #	18
43) Isopropyl Acetate	8.700	43	12458	1.666	ug/l	96
45) 1,2-Dichloropropane	9.741	63	1353	0.465	ug/l #	43
48) Methyl methacrylate	9.747	41	93239	27.087	ug/l #	35
51) 4-Methyl-2-Pentanone	10.359	43	104056	23.112	ug/l #	44
54) cis-1,3-Dichloropropene	10.365	75	61363	12.888	ug/l #	56
57) 1,3-Dichloropropane	11.212	76	4139	0.848	ug/l #	43
59) 2-Hexanone	11.212	43	40936	14.116	ug/l #	54
71) Bromoform	12.853	173	982	0.496	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	86651	20.513	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86651	47.219	ug/l #	16

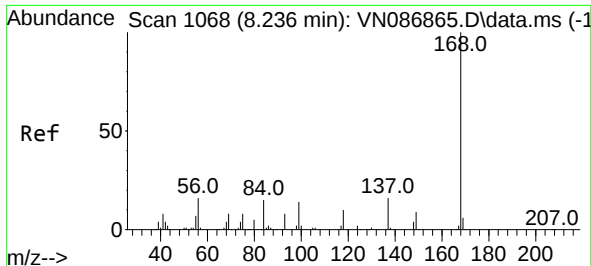
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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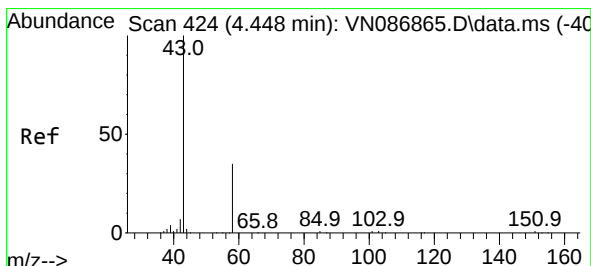
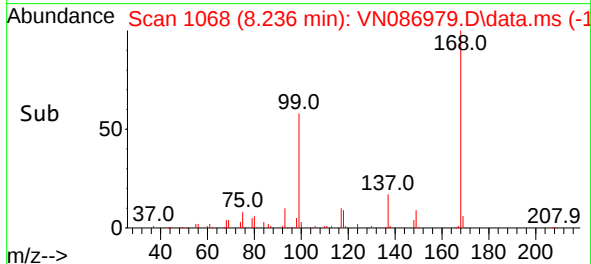
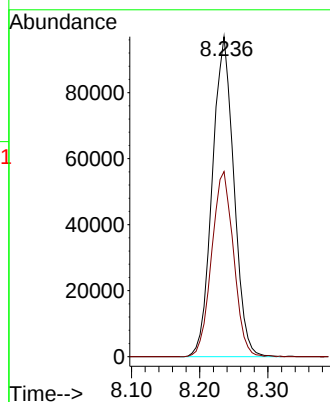
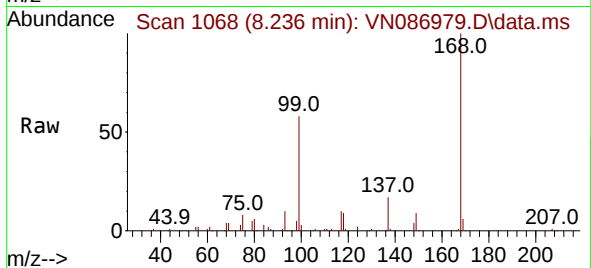




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

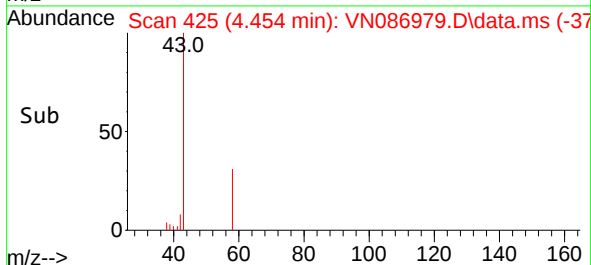
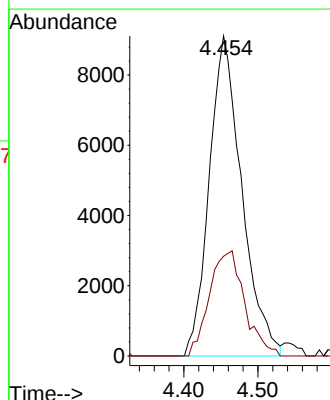
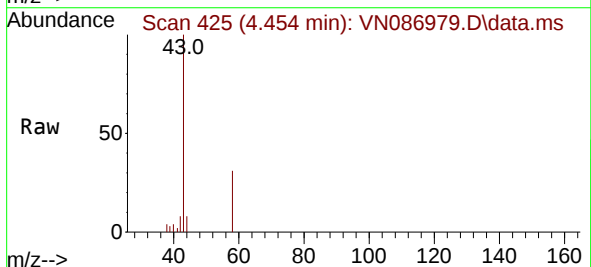
Instrument :
MSVOA_N
ClientSampleId :
WC-6

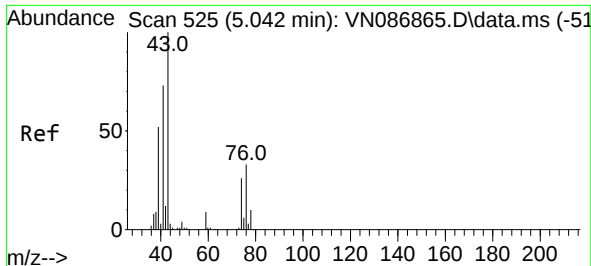
Tgt Ion:168 Resp: 213622
Ion Ratio Lower Upper
168 100
99 57.9 49.1 73.7



#16
Acetone
Concen: 18.334 ug/l
RT: 4.454 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

Tgt Ion: 43 Resp: 27808
Ion Ratio Lower Upper
43 100
58 31.2 28.0 42.0

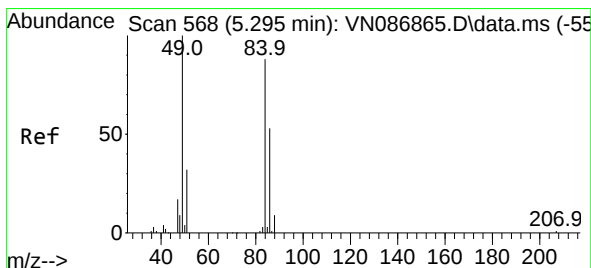
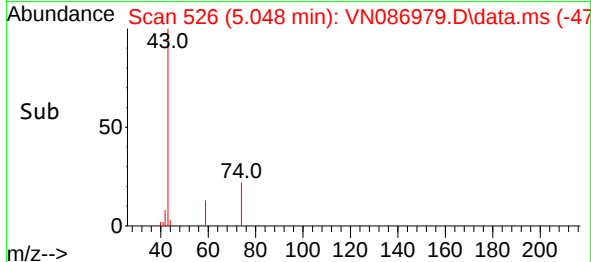
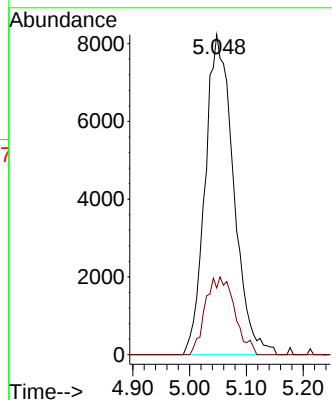
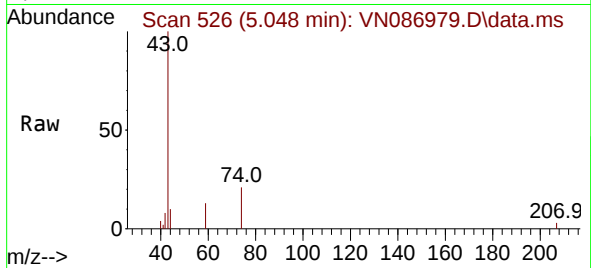




#18
Methyl Acetate
Concen: 6.464 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

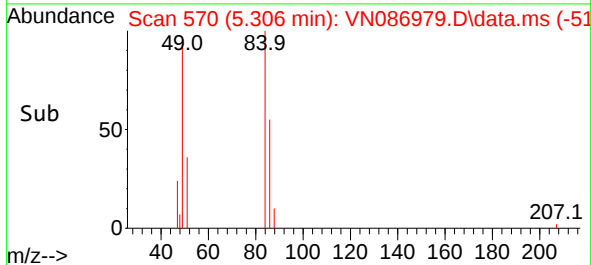
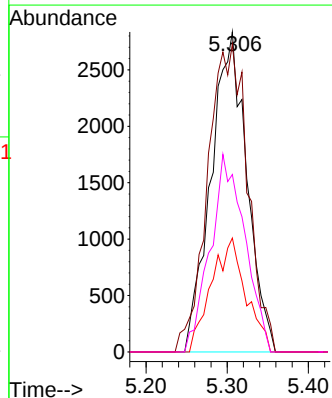
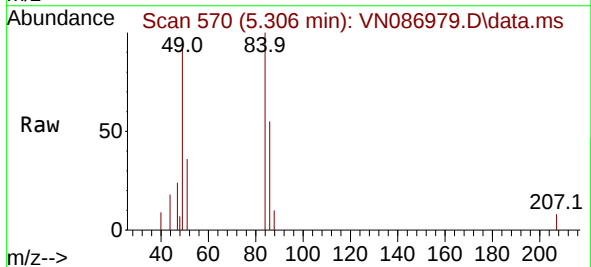
Instrument :
MSVOA_N
ClientSampleId :
WC-6

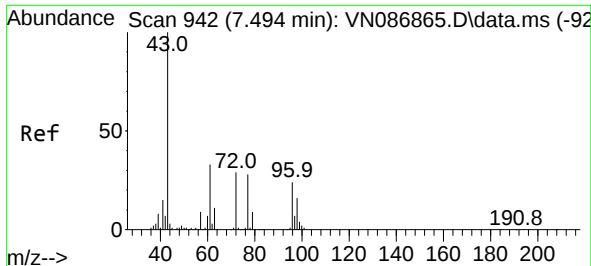
Tgt Ion: 43 Resp: 28573
Ion Ratio Lower Upper
43 100
74 25.0 20.7 31.1



#20
Methylene Chloride
Concen: 3.064 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

Tgt Ion: 84 Resp: 8702
Ion Ratio Lower Upper
84 100
49 96.3 90.5 135.7
51 35.6 28.5 42.7
86 55.5 48.1 72.1

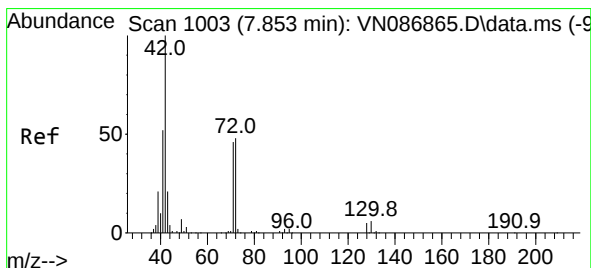
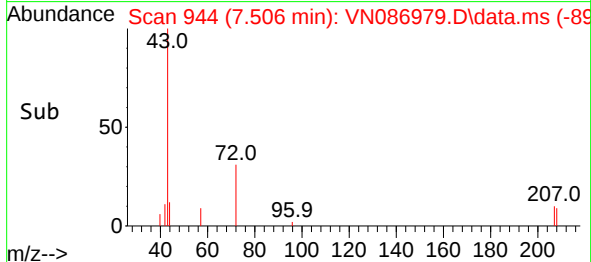
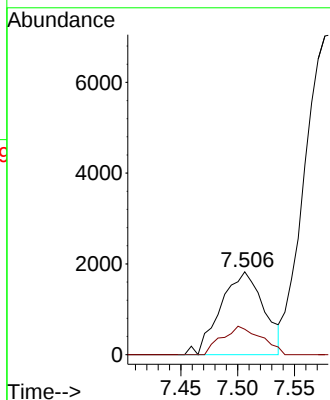
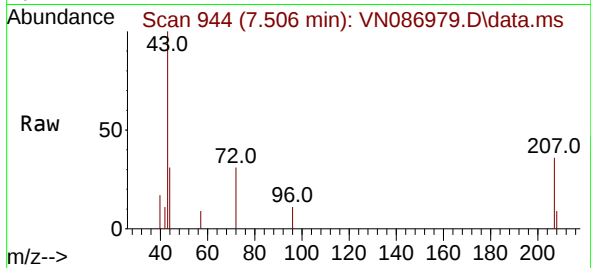




#25
2-Butanone
Concen: 1.963 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

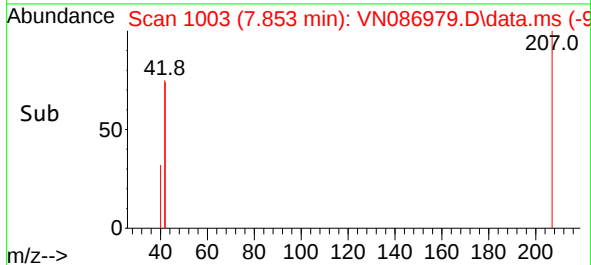
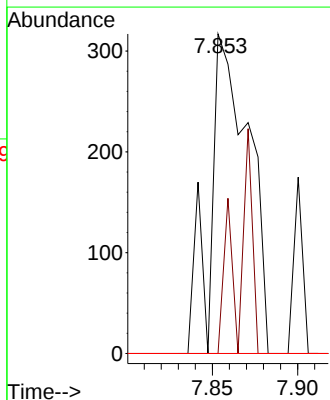
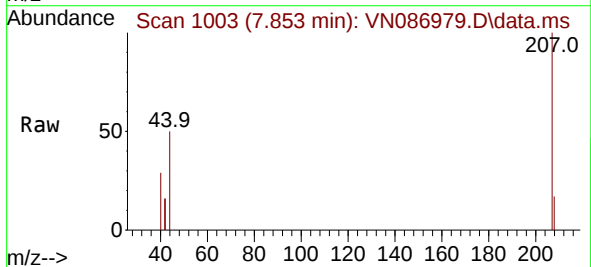
Instrument :
MSVOA_N
ClientSampleId :
WC-6

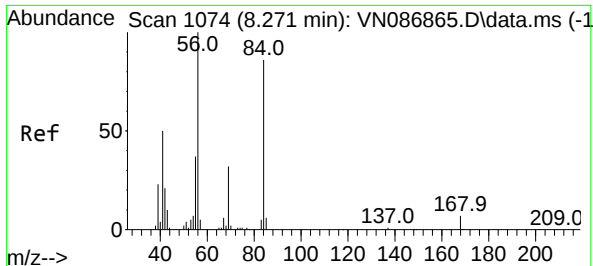
Tgt Ion: 43 Resp: 4839
Ion Ratio Lower Upper
43 100
72 30.6 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.311 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

Tgt Ion: 42 Resp: 499
Ion Ratio Lower Upper
42 100
72 10.8 37.8 56.6#
71 0.0 35.6 53.4#

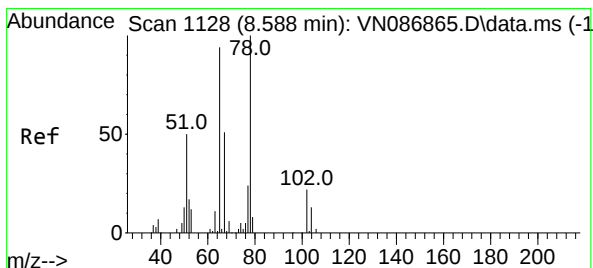
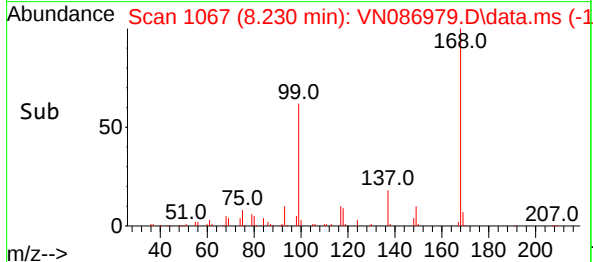
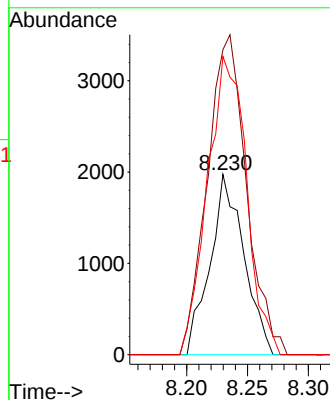
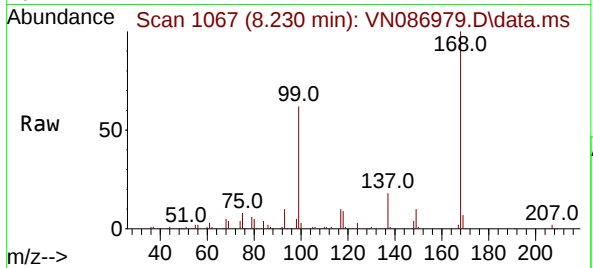




#31
Cyclohexane
Concen: 0.823 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

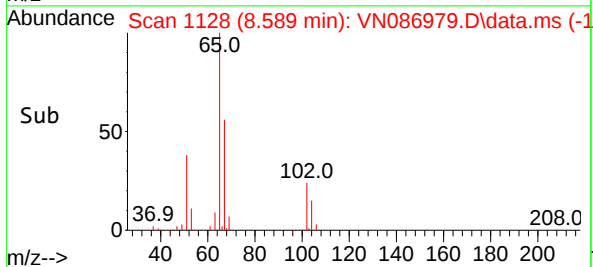
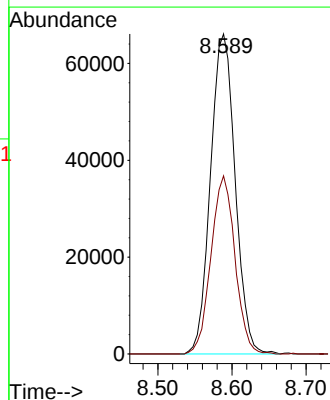
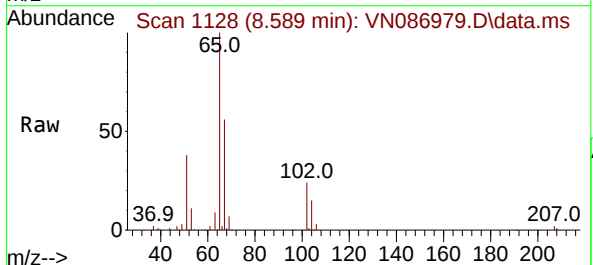
Instrument :
MSVOA_N
ClientSampleId :
WC-6

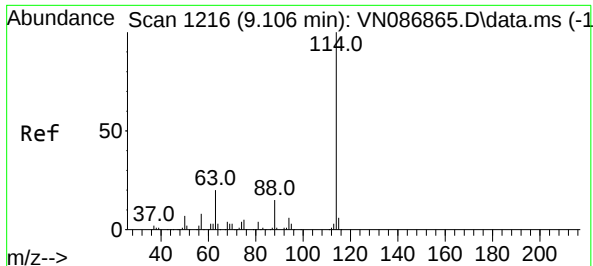
Tgt Ion: 56 Resp: 3820
Ion Ratio Lower Upper
56 100
69 169.2 25.4 38.0#
84 165.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 53.475 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

Tgt Ion: 65 Resp: 152946
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.6

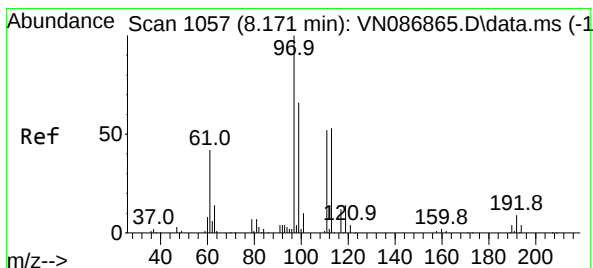
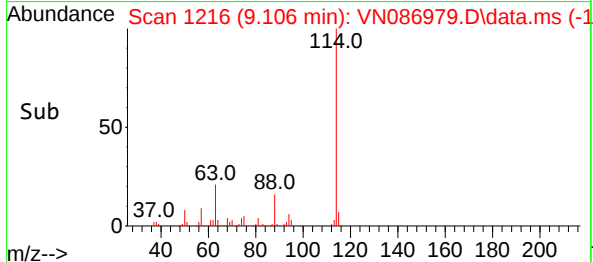
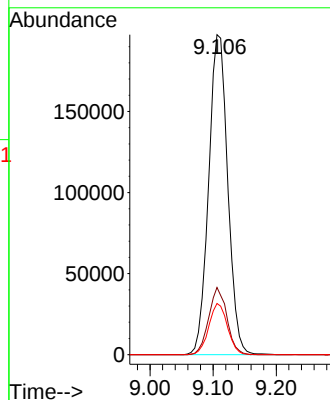
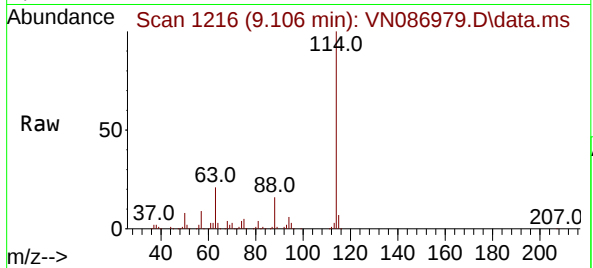




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

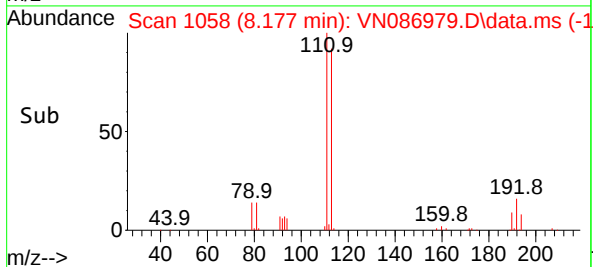
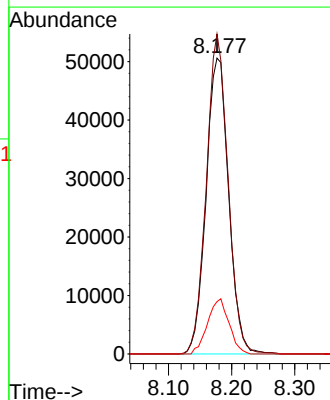
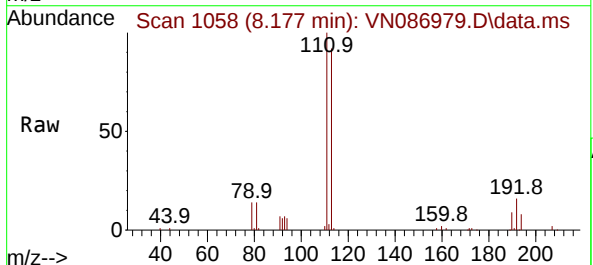
Instrument :
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ClientSampleId :
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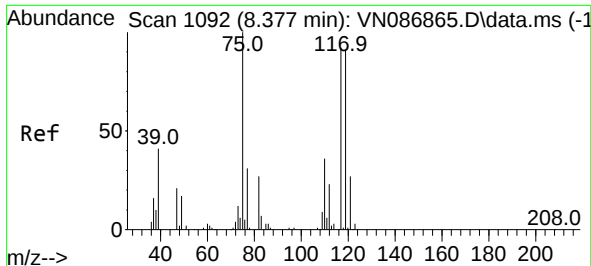
Tgt Ion:114 Resp: 414501
Ion Ratio Lower Upper
114 100
63 21.0 0.0 39.6
88 16.0 0.0 30.2



#35
Dibromofluoromethane
Concen: 51.095 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

Tgt Ion:113 Resp: 125512
Ion Ratio Lower Upper
113 100
111 104.1 84.2 126.2
192 17.7 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.573 ug/l

RT: 8.236 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN086979.D

Acq: 12 Jun 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

WC-6

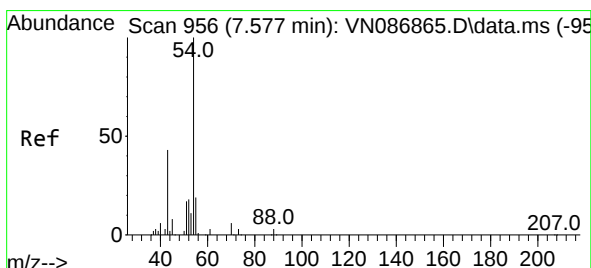
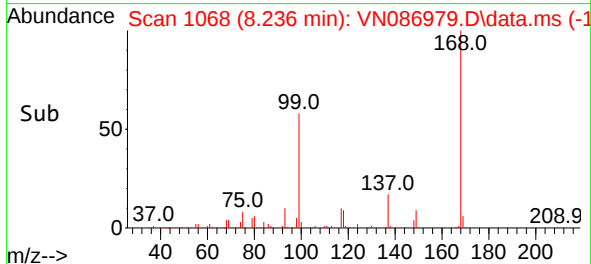
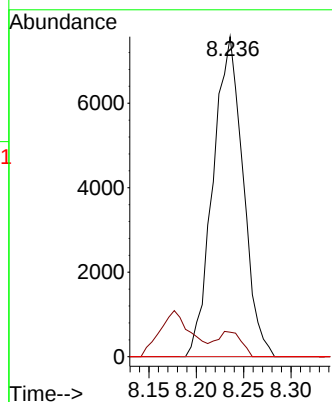
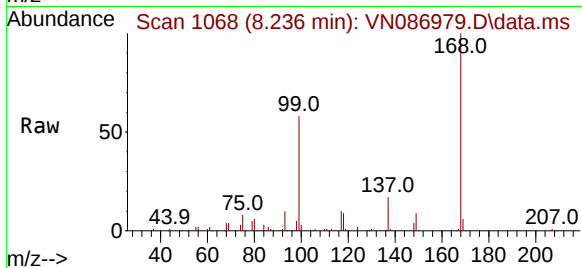
Tgt Ion: 75 Resp: 16740

Ion Ratio Lower Upper

75 100

110 6.5 17.6 52.9#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 4.095 ug/l

RT: 7.583 min Scan# 957

Delta R.T. 0.006 min

Lab File: VN086979.D

Acq: 12 Jun 2025 15:54

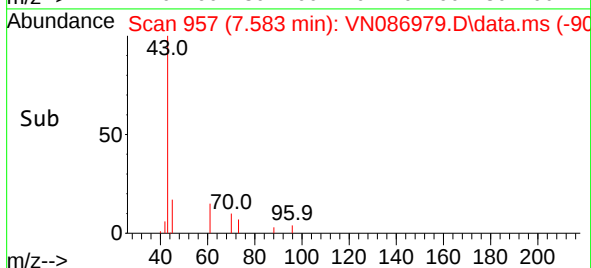
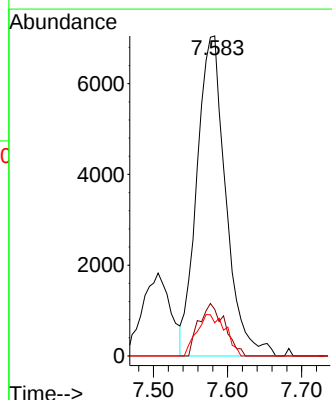
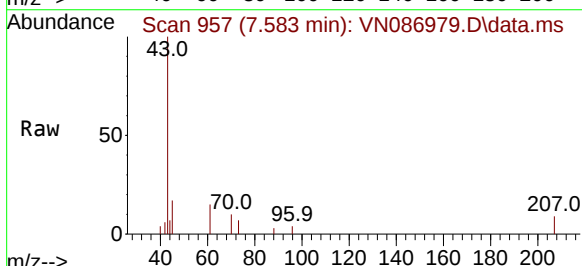
Tgt Ion: 43 Resp: 19081

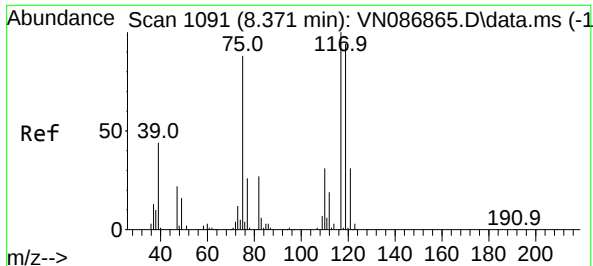
Ion Ratio Lower Upper

43 100

61 14.7 12.1 18.1

70 12.8 9.8 14.6

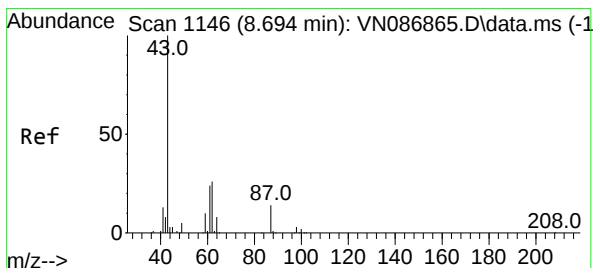
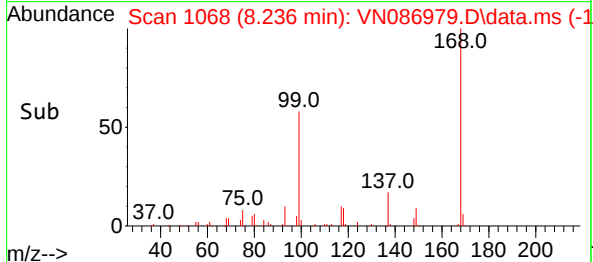
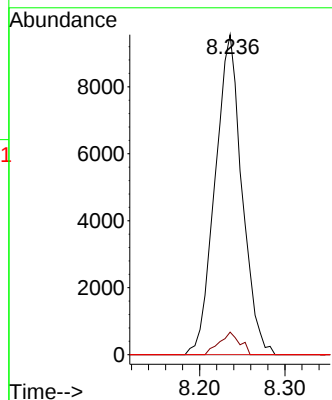
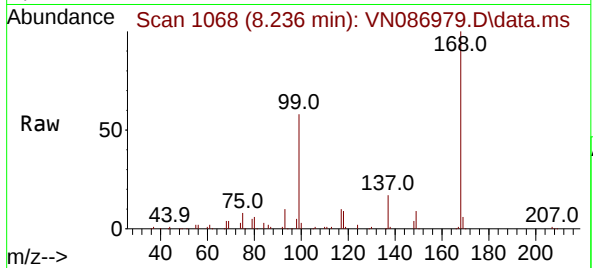




#38
Carbon Tetrachloride
Concen: 5.821 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

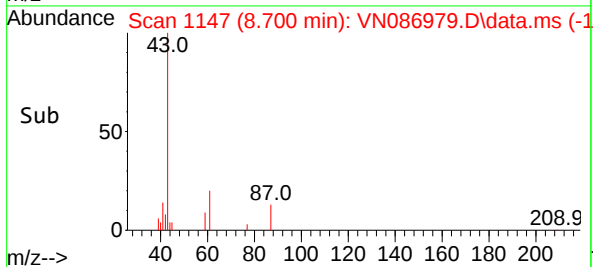
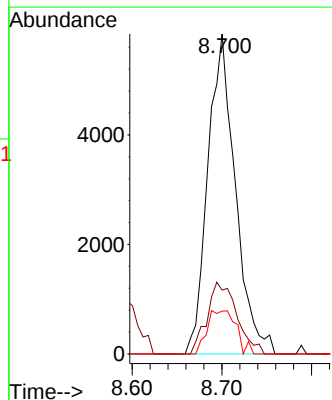
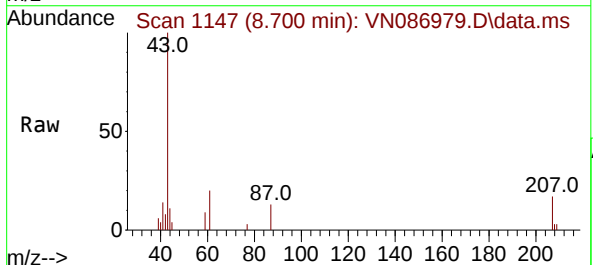
Instrument :
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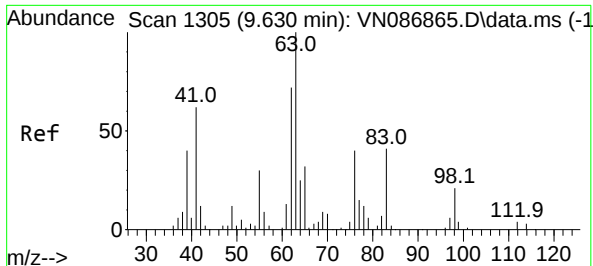
Tgt Ion:117 Resp: 20918
Ion Ratio Lower Upper
117 100
119 7.1 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 1.666 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

Tgt Ion: 43 Resp: 12458
Ion Ratio Lower Upper
43 100
61 24.3 22.1 33.1
87 14.3 11.8 17.6





#45

1,2-Dichloropropane

Concen: 0.465 ug/l

RT: 9.741 min Scan# 1

Delta R.T. 0.112 min

Lab File: VN086979.D

Acq: 12 Jun 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

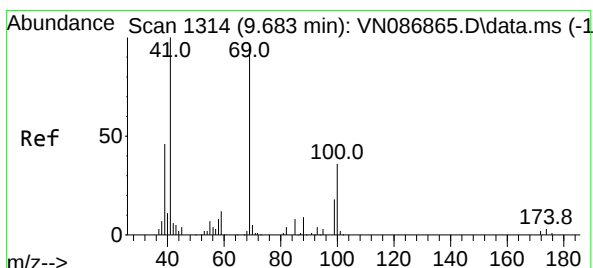
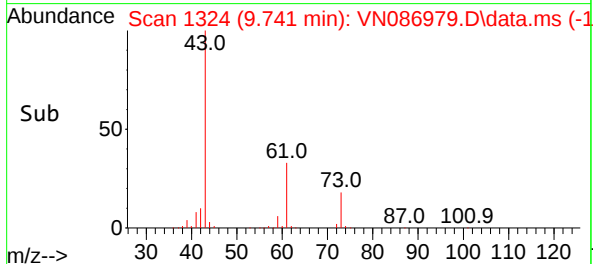
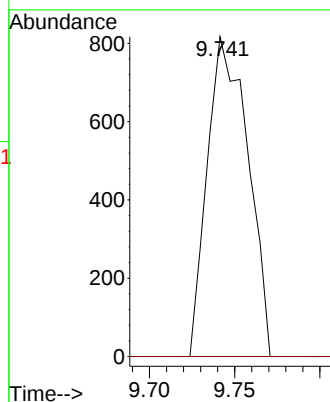
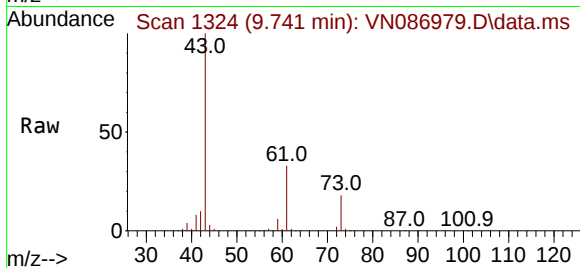
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Tgt Ion: 63 Resp: 1353

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 27.087 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN086979.D

Acq: 12 Jun 2025 15:54

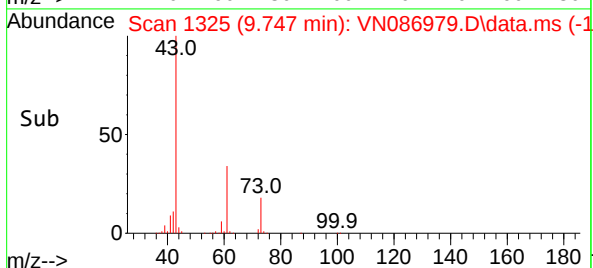
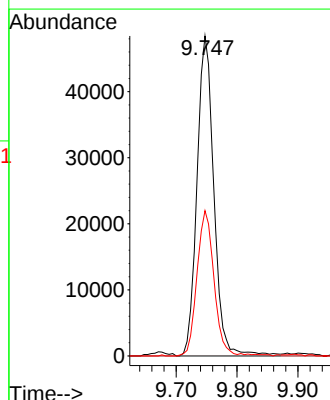
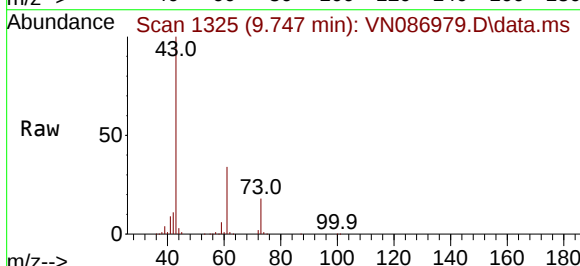
Tgt Ion: 41 Resp: 93239

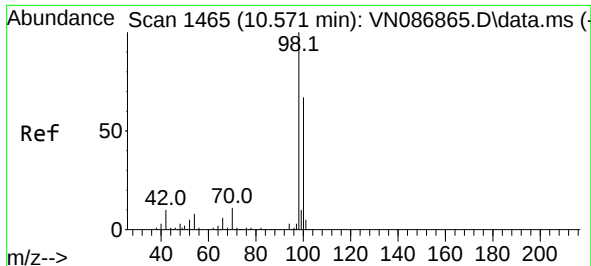
Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 46.1 40.2 60.4

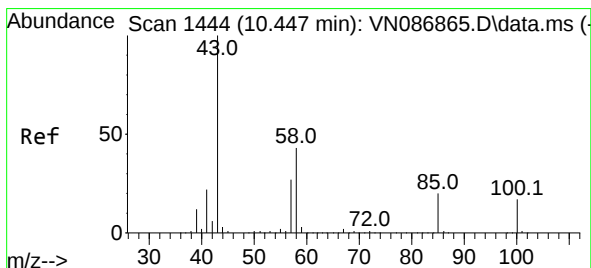
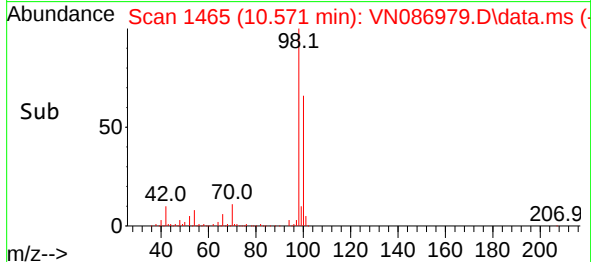
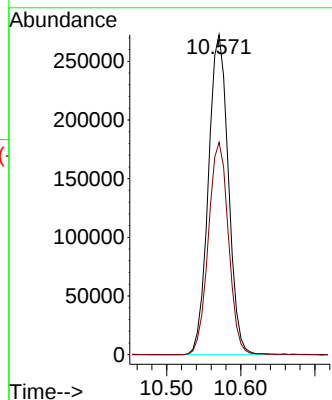
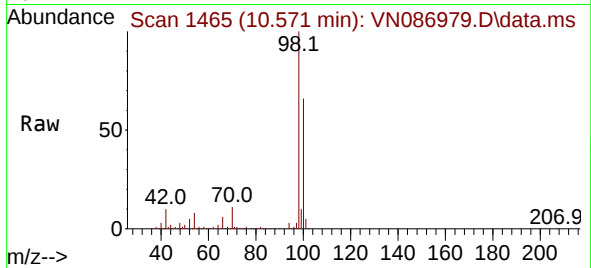




#50
Toluene-d8
Concen: 52.569 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

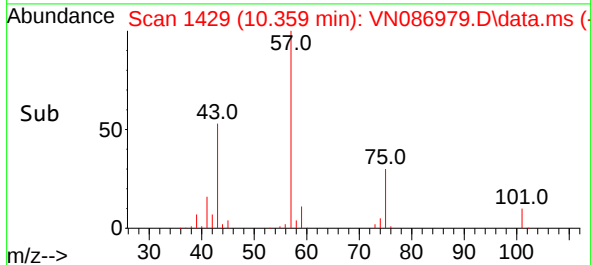
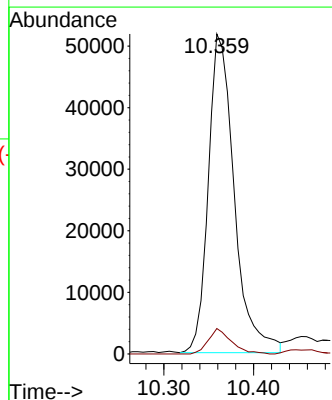
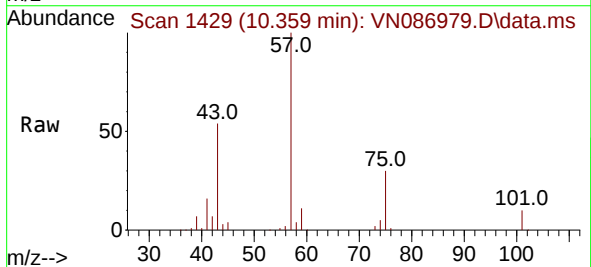
Instrument :
MSVOA_N
ClientSampleId :
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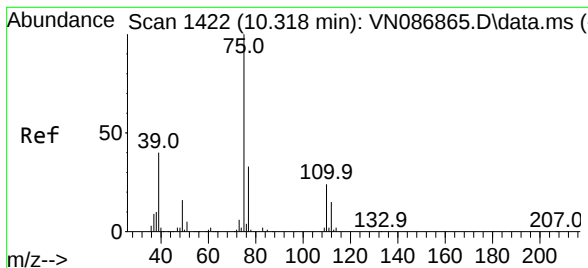
Tgt Ion: 98 Resp: 511198
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 23.112 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

Tgt Ion: 43 Resp: 104056
Ion Ratio Lower Upper
43 100
58 7.1 34.2 51.4#

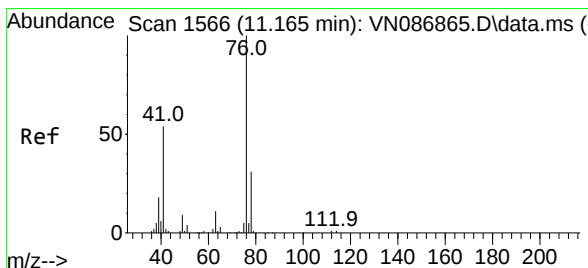
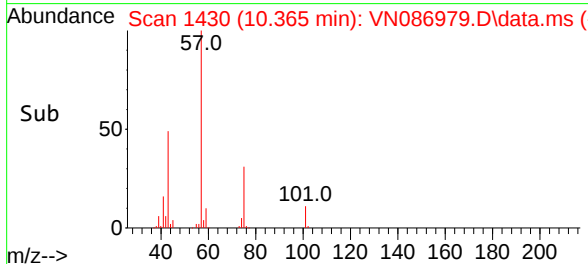
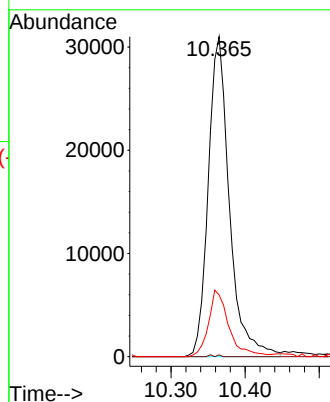
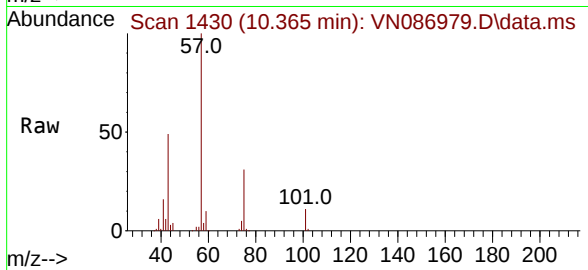




#54
 cis-1,3-Dichloropropene
 Concen: 12.888 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN086979.D
 Acq: 12 Jun 2025 15:54

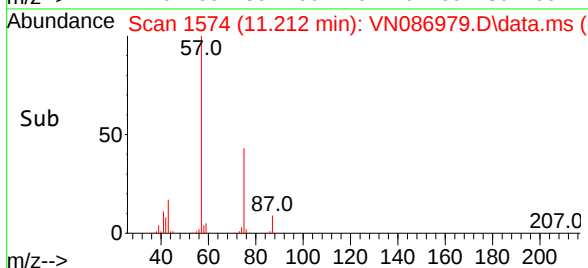
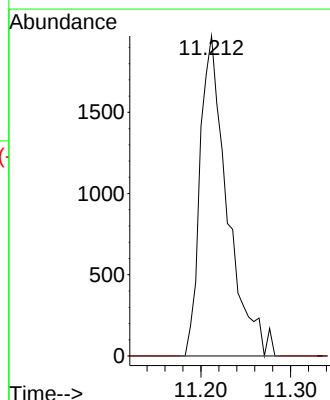
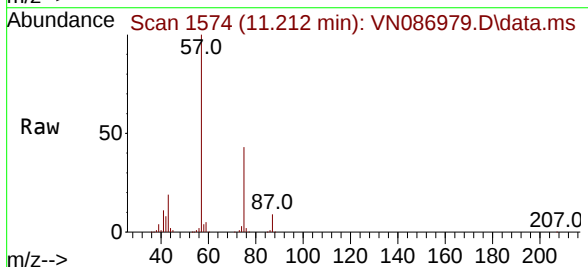
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-6

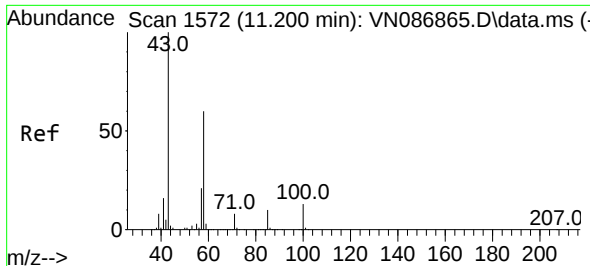
Tgt Ion: 75 Resp: 61363
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.4#
 39 19.3 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 0.848 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN086979.D
 Acq: 12 Jun 2025 15:54

Tgt Ion: 76 Resp: 4139
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

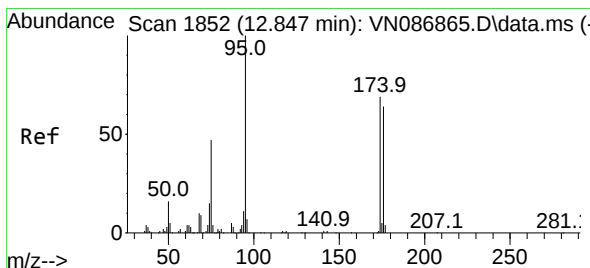
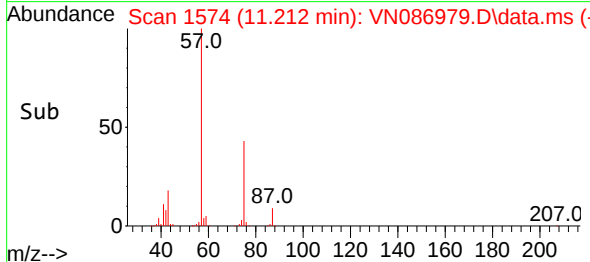
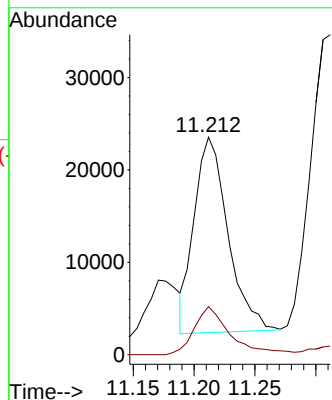
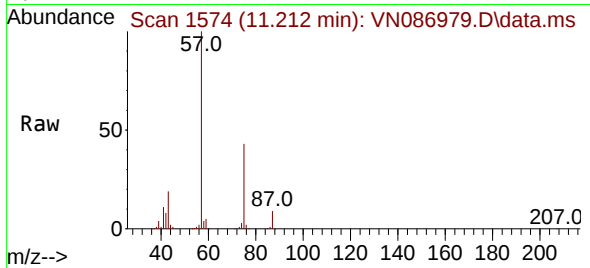




#59
2-Hexanone
Concen: 14.116 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

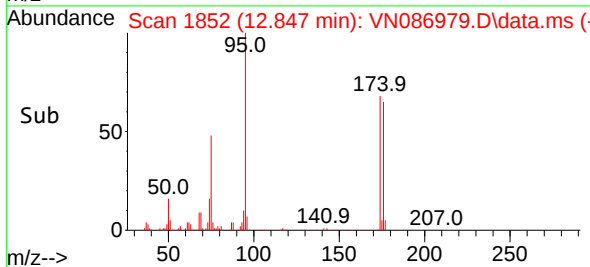
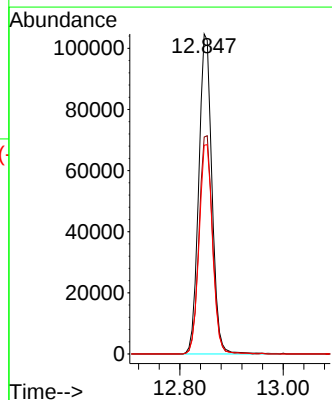
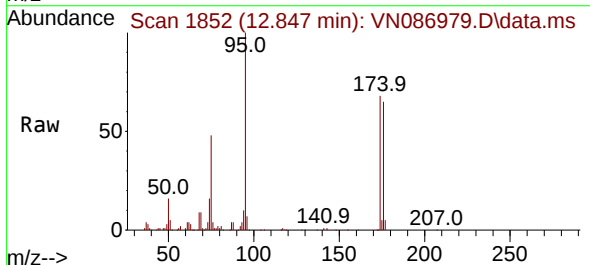
Instrument :
MSVOA_N
ClientSampleId :
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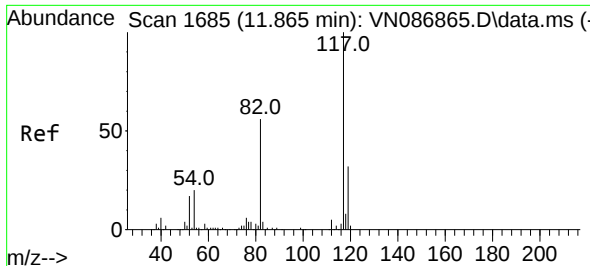
Tgt Ion: 43 Resp: 40936
Ion Ratio Lower Upper
43 100
58 26.2 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 51.275 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

Tgt Ion: 95 Resp: 185252
Ion Ratio Lower Upper
95 100
174 70.0 0.0 141.8
176 66.8 0.0 132.6

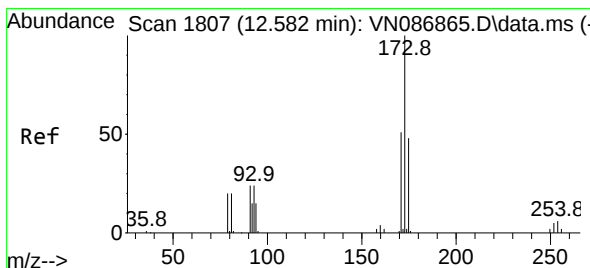
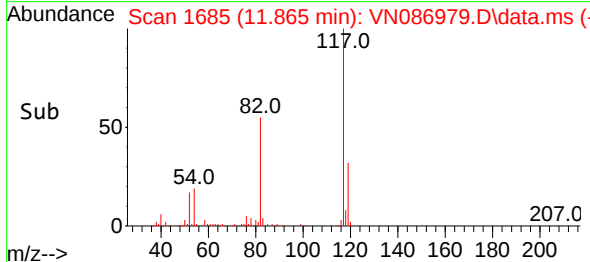
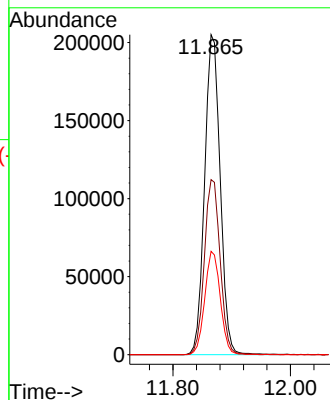
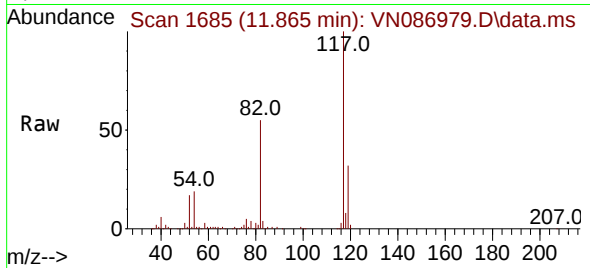




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

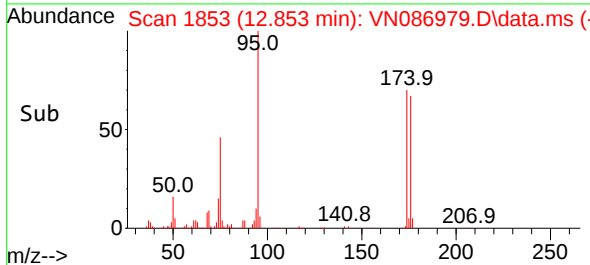
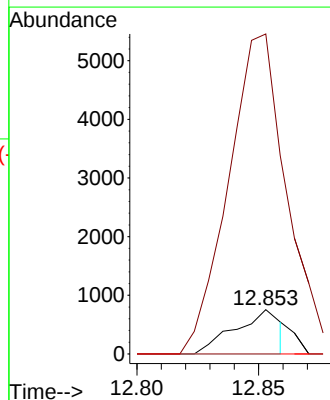
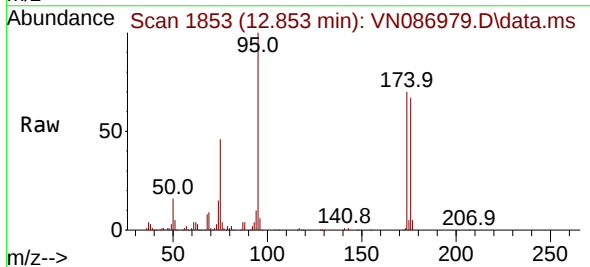
Instrument :
MSVOA_N
ClientSampleId :
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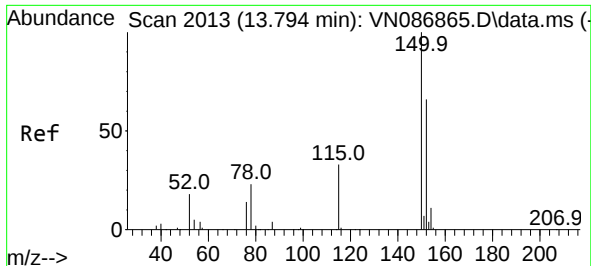
Tgt Ion:117 Resp: 376760
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 32.3 25.5 38.3



#71
Bromoform
Concen: 0.496 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN086979.D
Acq: 12 Jun 2025 15:54

Tgt Ion:173 Resp: 982
Ion Ratio Lower Upper
173 100
175 792.6 24.1 72.4#
254 0.0 0.0 0.0

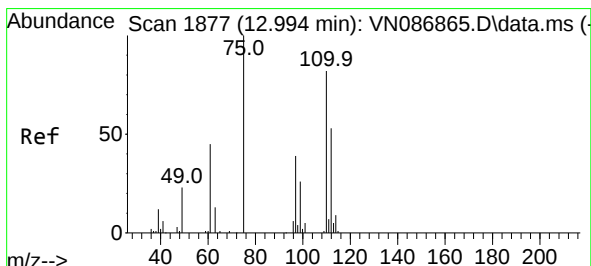
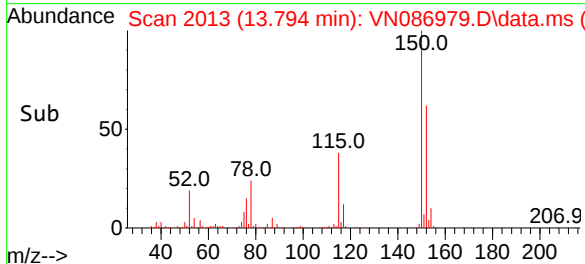
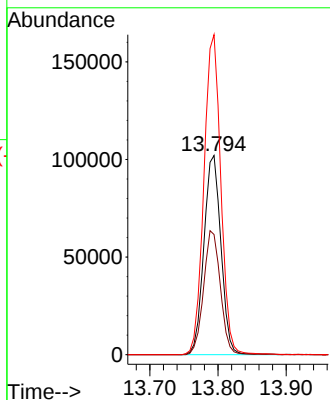
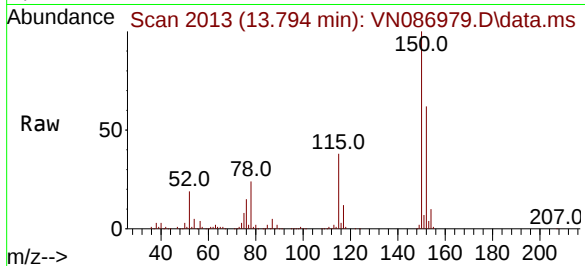




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN086979.D
 Acq: 12 Jun 2025 15:54

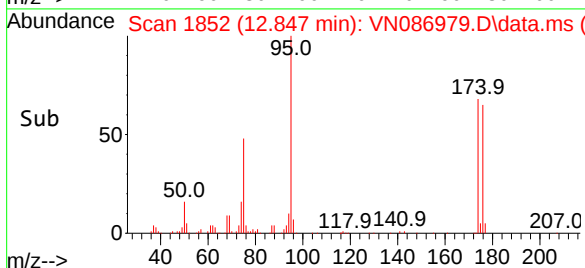
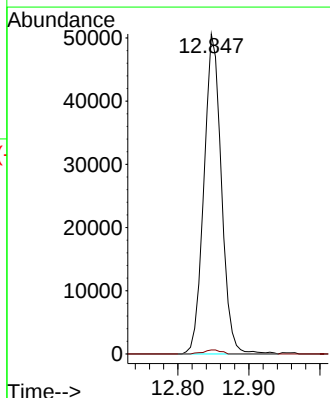
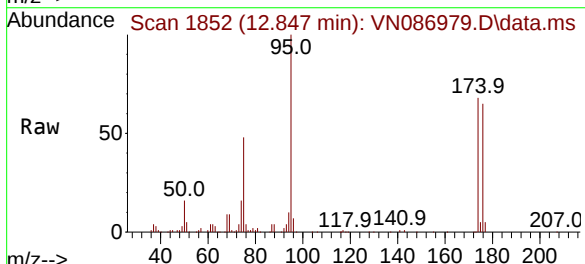
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-6

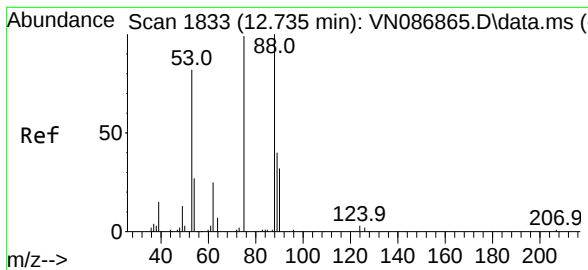
Tgt Ion:152 Resp: 177711
 Ion Ratio Lower Upper
 152 100
 115 61.1 30.1 90.5
 150 159.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.513 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086979.D
 Acq: 12 Jun 2025 15:54

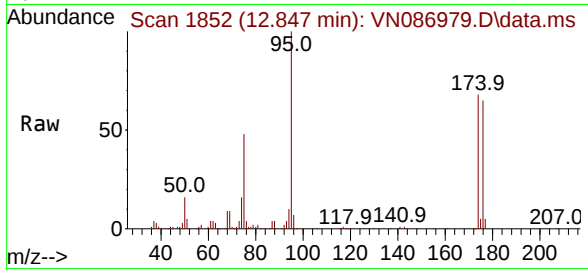
Tgt Ion: 75 Resp: 86651
 Ion Ratio Lower Upper
 75 100
 77 1.3 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.219 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086979.D
 Acq: 12 Jun 2025 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-6



Tgt Ion: 75 Resp: 86651
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

