

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086934.D
 Acq On : 10 Jun 2025 17:09
 Operator : JC\MD
 Sample : Q2202-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9-20250603

Quant Time: Jun 11 01:58:13 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)

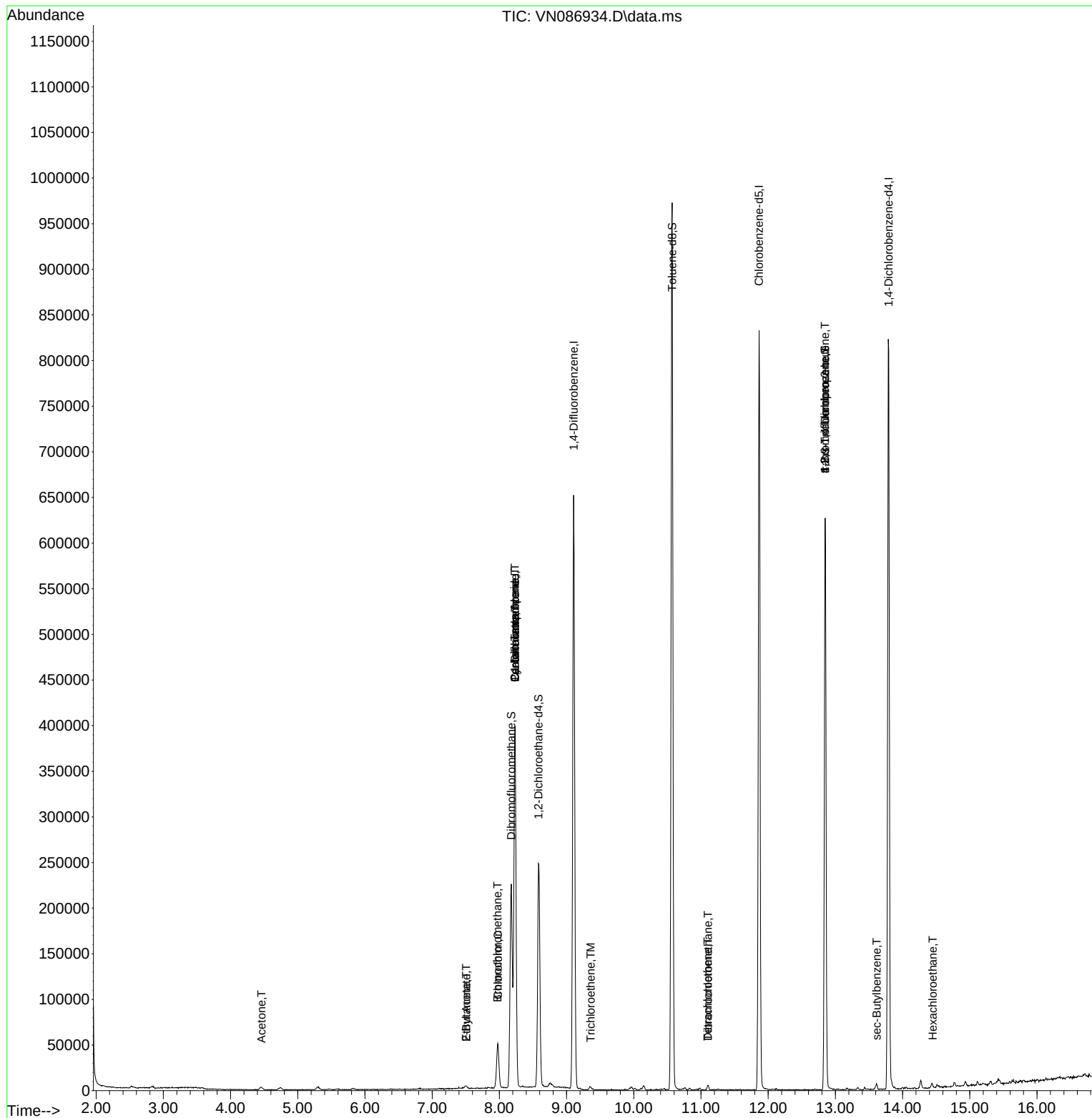
Internal Standards						
1) Pentafluorobenzene	8.235	168	312249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	586192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	514503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	205643	49.189	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.380%
35) Dibromofluoromethane	8.177	113	171730	49.434	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.860%
50) Toluene-d8	10.571	98	717348	52.162	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.320%
62) 4-Bromofluorobenzene	12.847	95	255818	50.068	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.140%
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	4767	2.150	ug/l #	83
25) 2-Butanone	7.506	43	4592	1.274	ug/l	100
28) Bromochloromethane	7.971	49	3345	0.973	ug/l #	13
30) Chloroform	7.977	83	49850	7.139	ug/l	95
31) Cyclohexane	8.235	56	5836	0.861	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	25142	4.857	ug/l #	48
37) Ethyl Acetate	7.506	43	4592	0.697	ug/l #	73
38) Carbon Tetrachloride	8.230	117	31255	6.150	ug/l #	18
44) Trichloroethene	9.359	130	1265	0.315	ug/l	67
60) Dibromochloromethane	11.106	129	1132	0.273	ug/l #	11
64) Tetrachloroethene	11.100	164	1275	0.392	ug/l #	71
76) 1,2,3-Trichloropropane	12.847	75	117315	20.108	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	117315	46.286	ug/l #	16
85) sec-Butylbenzene	13.617	105	4740	0.242	ug/l	89
90) Hexachloroethane	14.447	117	1769	0.643	ug/l #	17

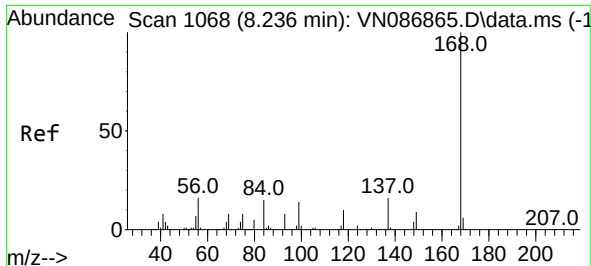
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

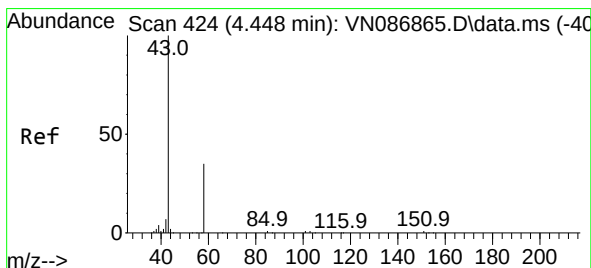
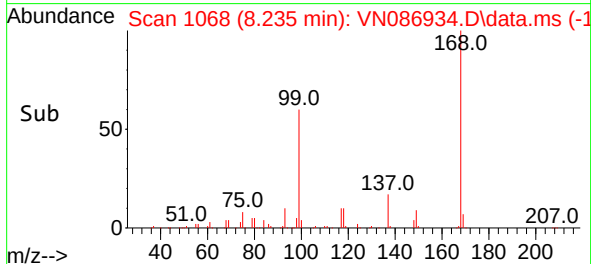
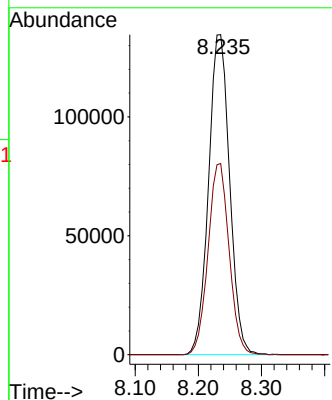
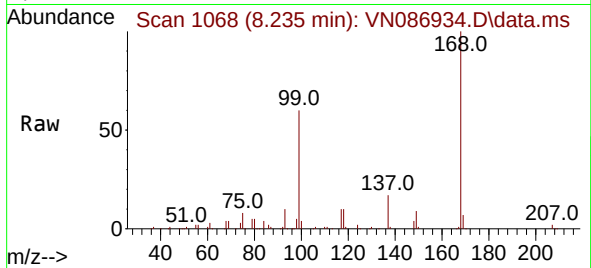




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

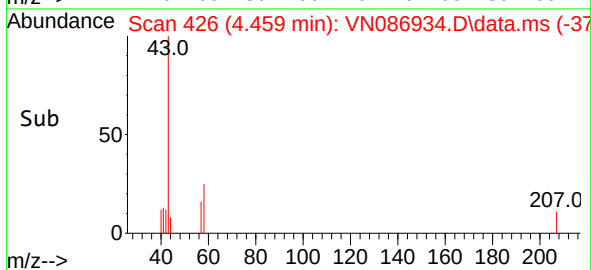
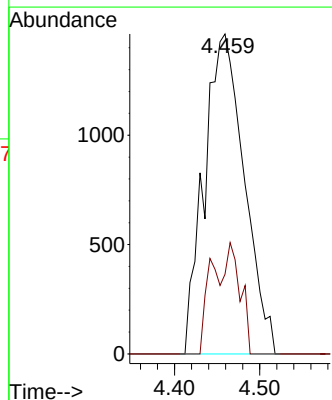
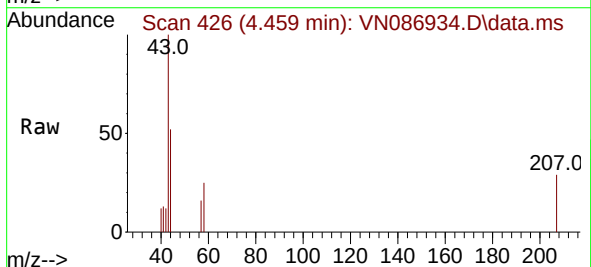
Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

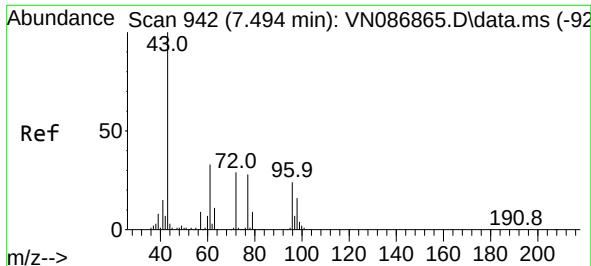
Tgt Ion:168 Resp: 312249
Ion Ratio Lower Upper
168 100
99 59.8 49.1 73.7



#16
Acetone
Concen: 2.150 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion: 43 Resp: 4767
Ion Ratio Lower Upper
43 100
58 24.9 28.0 42.0#

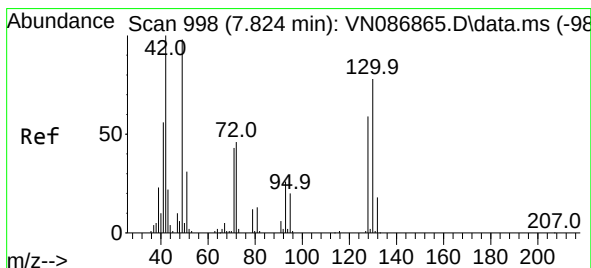
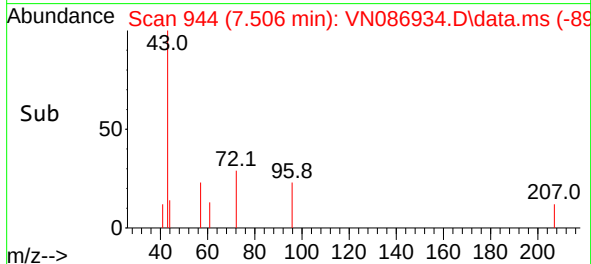
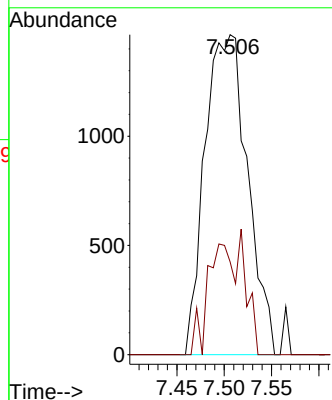
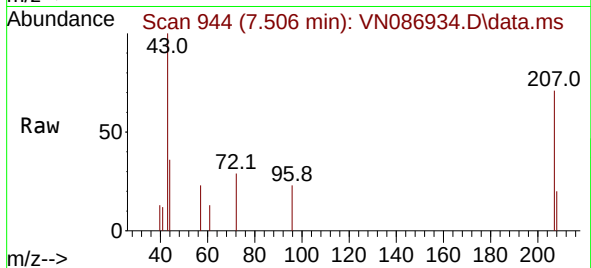




#25
2-Butanone
Concen: 1.274 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

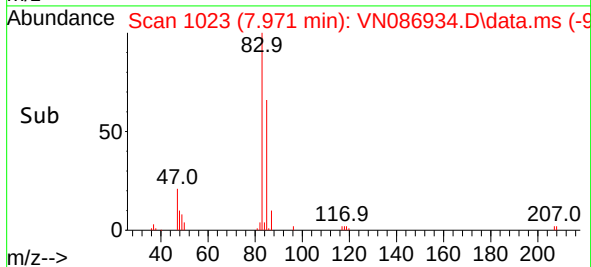
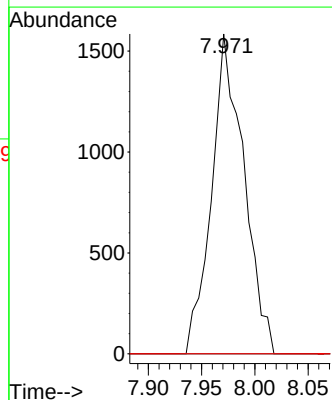
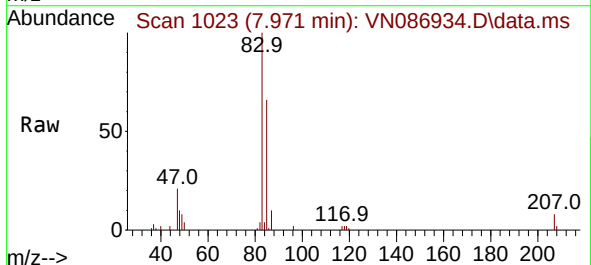
Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

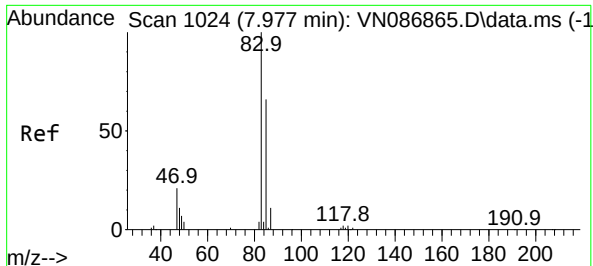
Tgt Ion: 43 Resp: 4592
Ion Ratio Lower Upper
43 100
72 29.0 23.0 34.6



#28
Bromochloromethane
Concen: 0.973 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.147 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion: 49 Resp: 3345
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 62.2 93.2#





#30

Chloroform

Concen: 7.139 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. -0.000 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

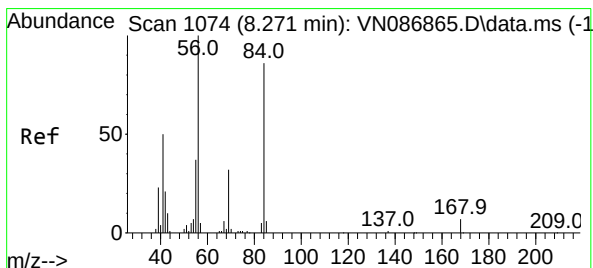
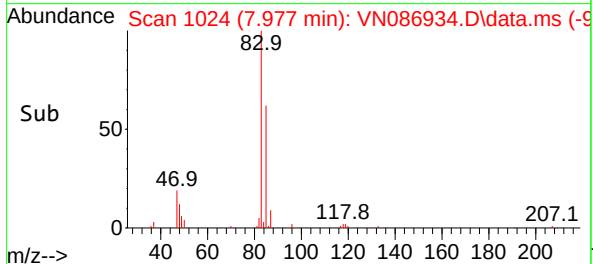
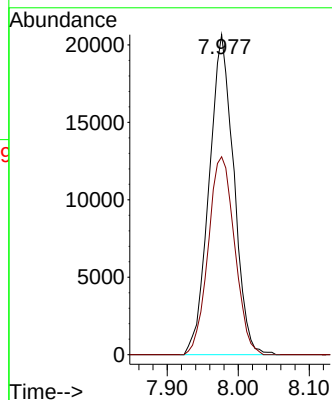
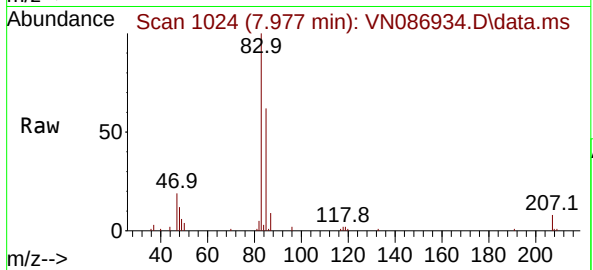
MW-9-20250603

Tgt Ion: 83 Resp: 49850

Ion Ratio Lower Upper

83 100

85 61.9 52.9 79.3



#31

Cyclohexane

Concen: 0.861 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.035 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

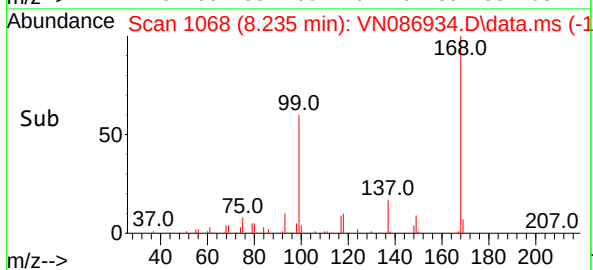
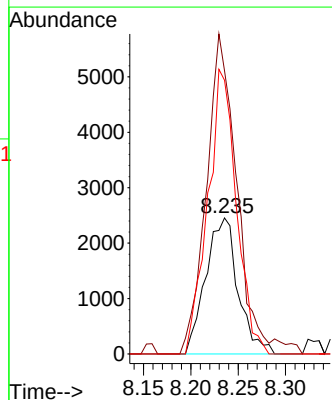
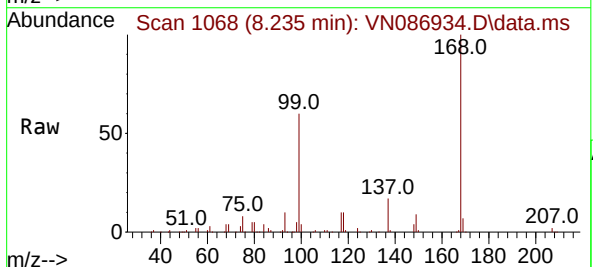
Tgt Ion: 56 Resp: 5836

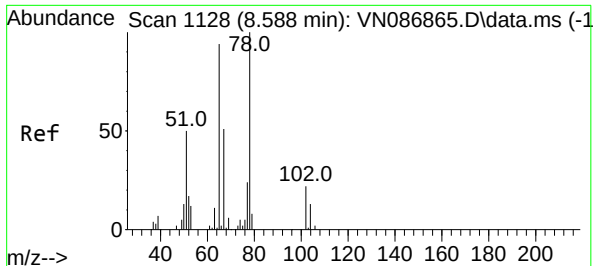
Ion Ratio Lower Upper

56 100

69 208.3 25.4 38.0#

84 201.4 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.189 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

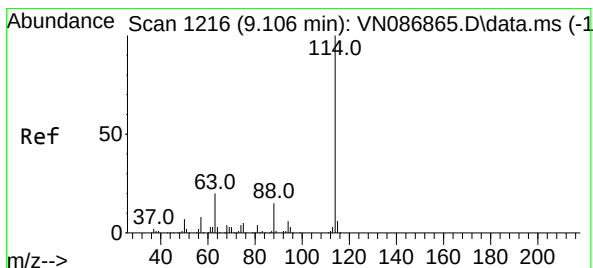
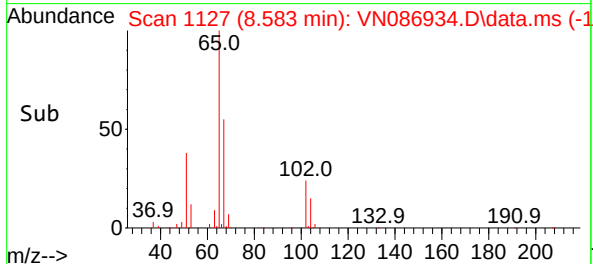
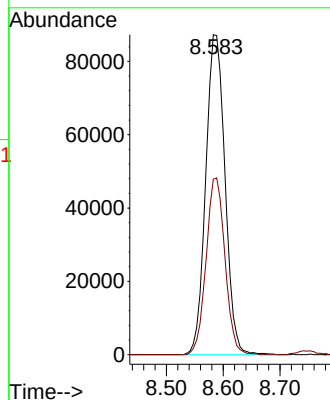
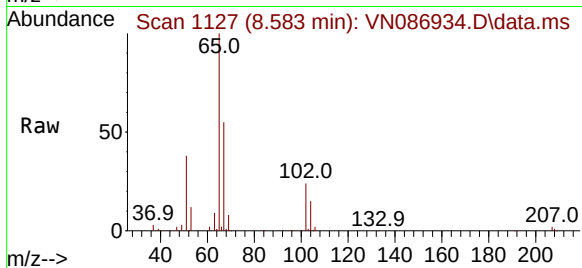
MW-9-20250603

Tgt Ion: 65 Resp: 205643

Ion Ratio Lower Upper

65 100

67 54.0 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: VN086934.D

Acq: 10 Jun 2025 17:09

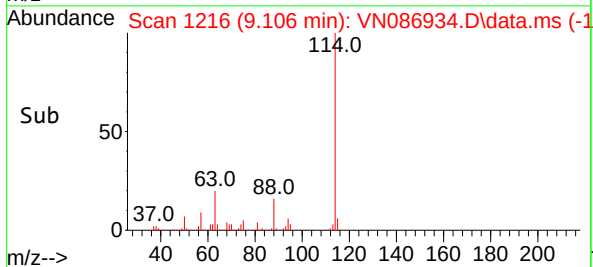
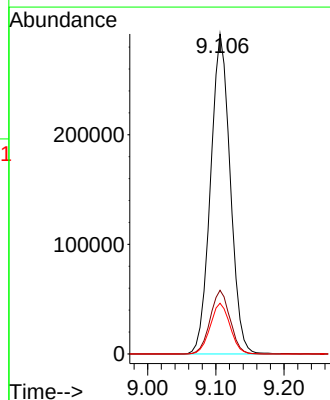
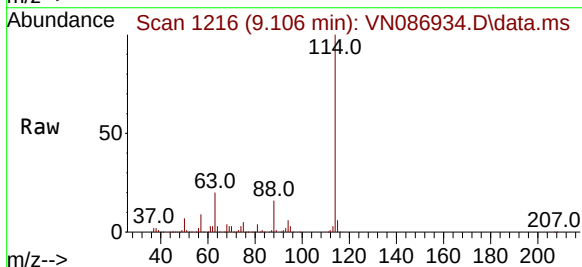
Tgt Ion: 114 Resp: 586192

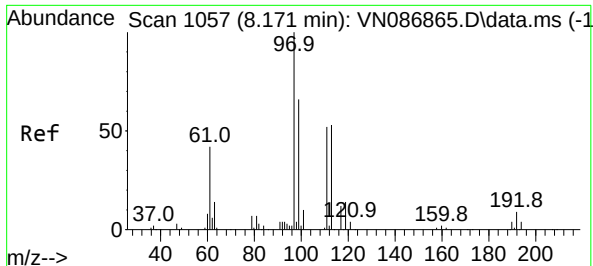
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.434 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-9-20250603

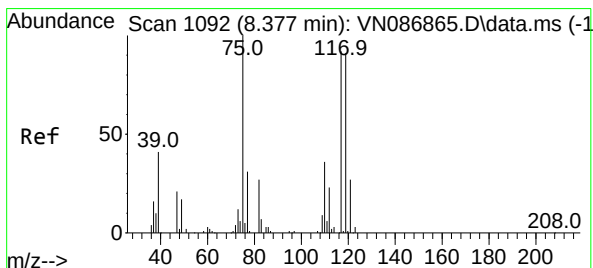
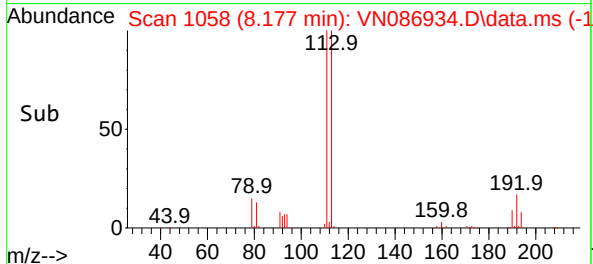
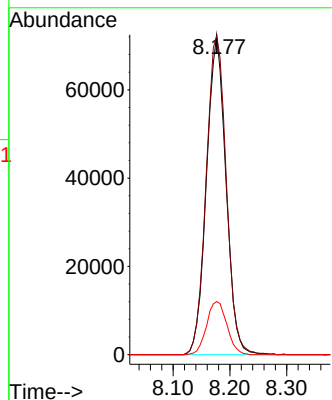
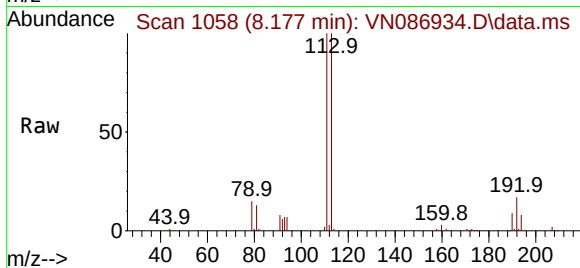
Tgt Ion:113 Resp: 171730

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.2

192 17.4 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.857 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

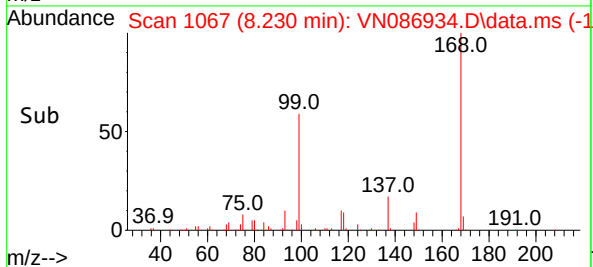
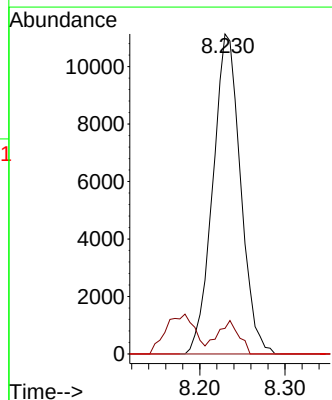
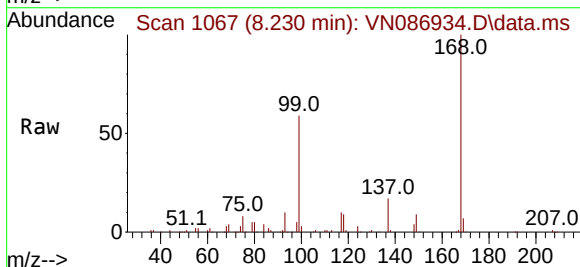
Tgt Ion: 75 Resp: 25142

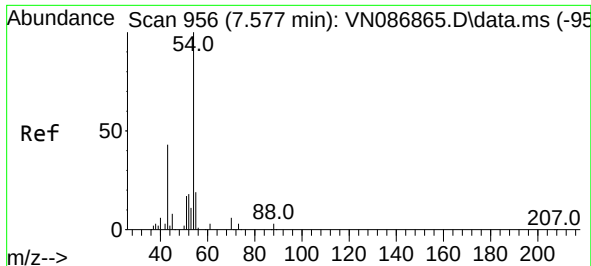
Ion Ratio Lower Upper

75 100

110 8.1 17.6 52.9#

77 0.0 25.3 37.9#

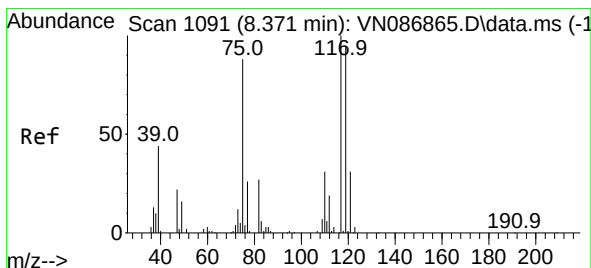
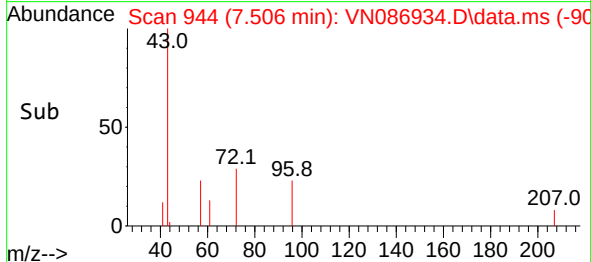
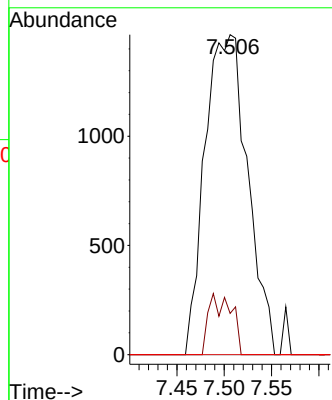
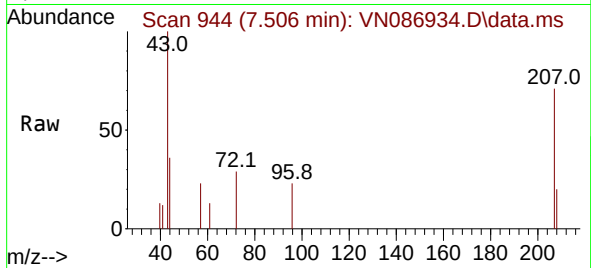




#37
Ethyl Acetate
Concen: 0.697 ug/l
RT: 7.506 min Scan# 944
Delta R.T. -0.071 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

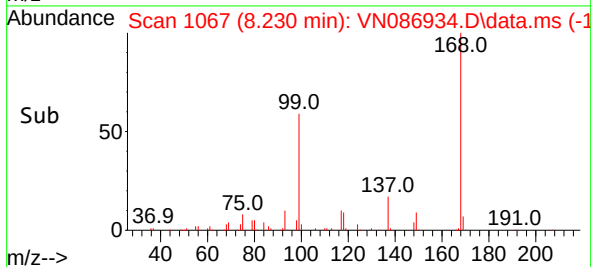
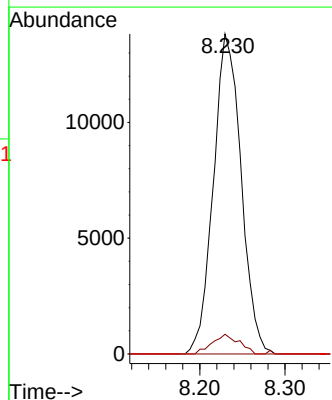
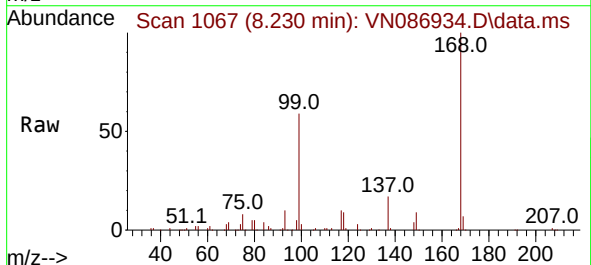
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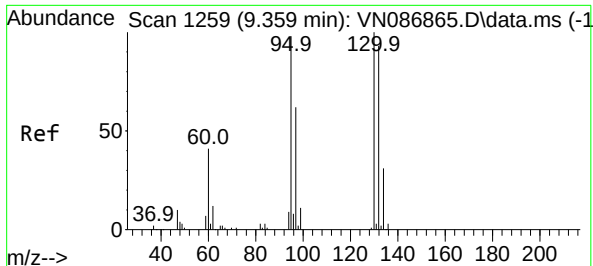
Tgt Ion: 43 Resp: 4592
Ion Ratio Lower Upper
43 100
61 5.0 12.1 18.1#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 6.150 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion: 117 Resp: 31255
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 24.9 37.3#

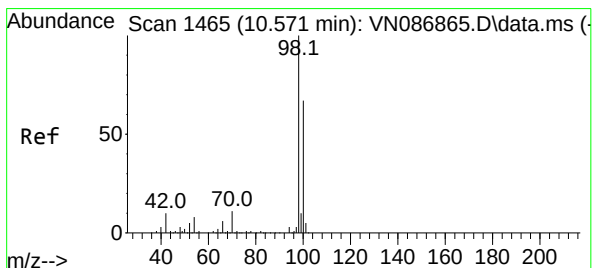
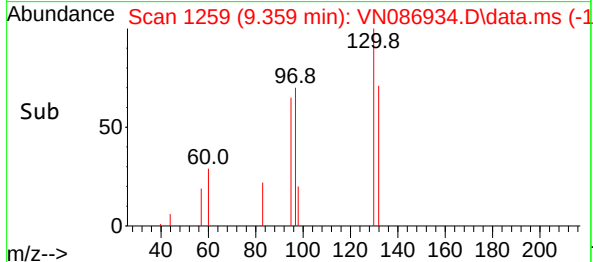
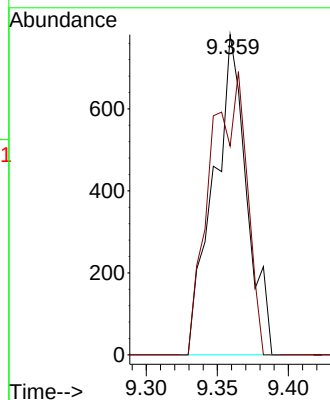
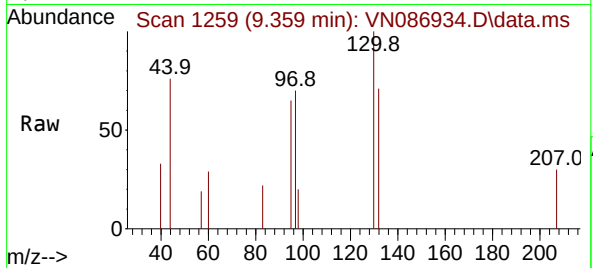




#44
Trichloroethene
Concen: 0.315 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

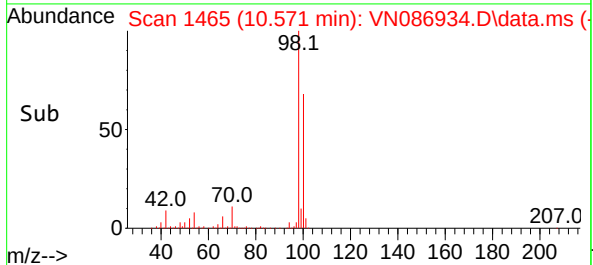
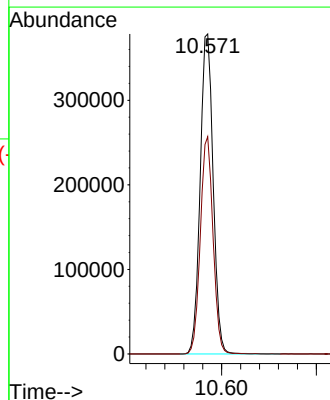
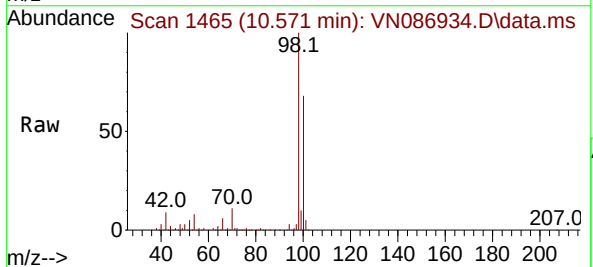
Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

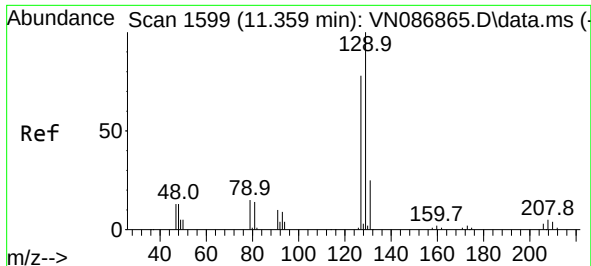
Tgt Ion:130 Resp: 1265
Ion Ratio Lower Upper
130 100
95 65.2 0.0 196.2



#50
Toluene-d8
Concen: 52.162 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion: 98 Resp: 717348
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0

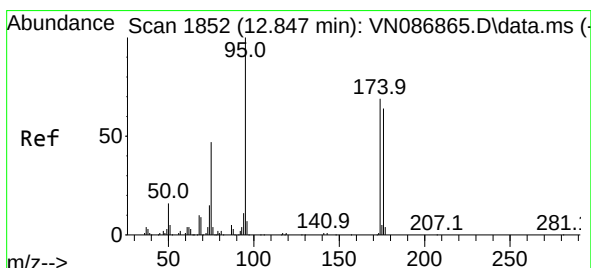
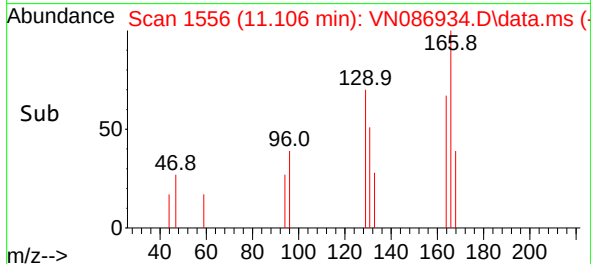
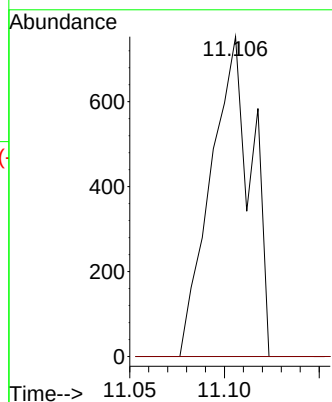
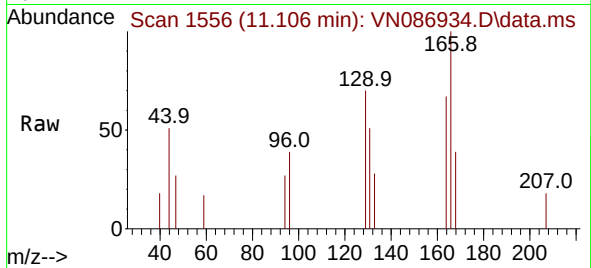




#60
Dibromochloromethane
Concen: 0.273 ug/l
RT: 11.106 min Scan# 1132
Delta R.T. -0.253 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

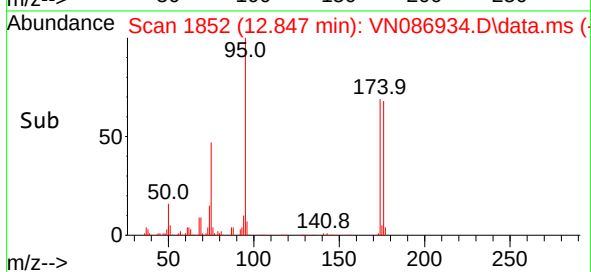
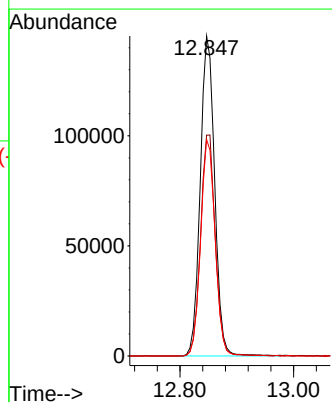
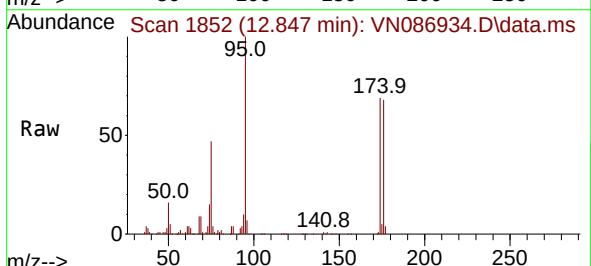
Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

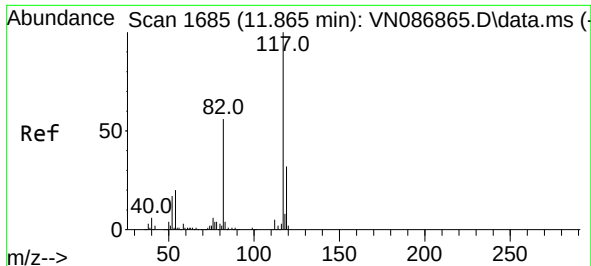
Tgt Ion:129 Resp: 1132
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 50.068 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion: 95 Resp: 255818
Ion Ratio Lower Upper
95 100
174 70.3 0.0 141.8
176 68.1 0.0 132.6

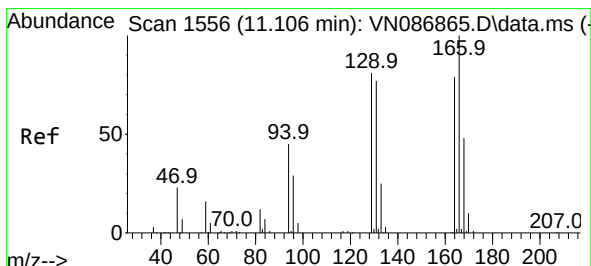
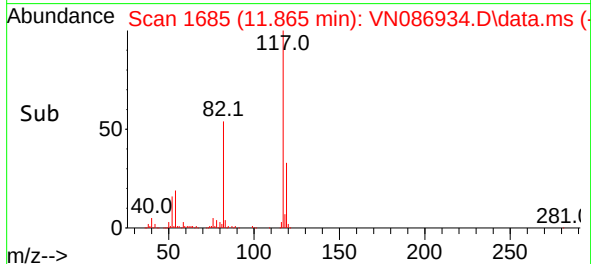
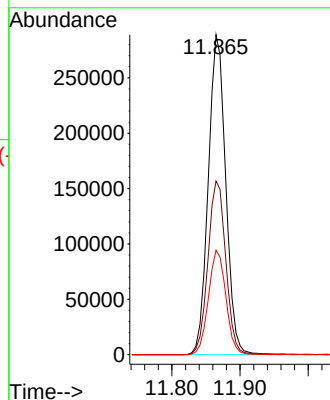
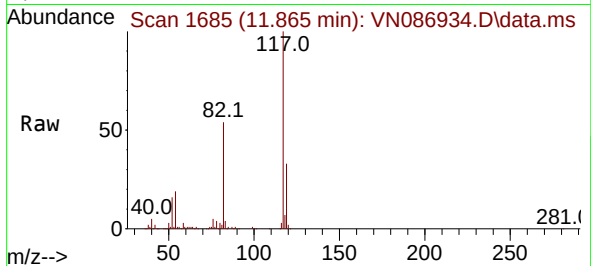




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

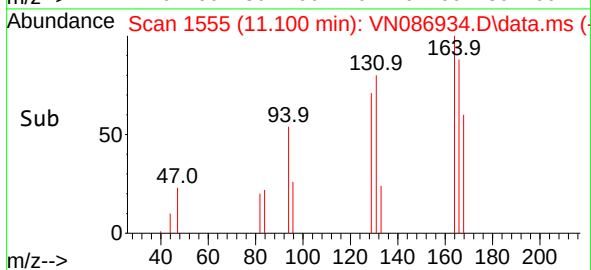
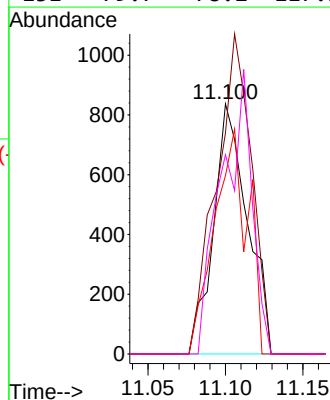
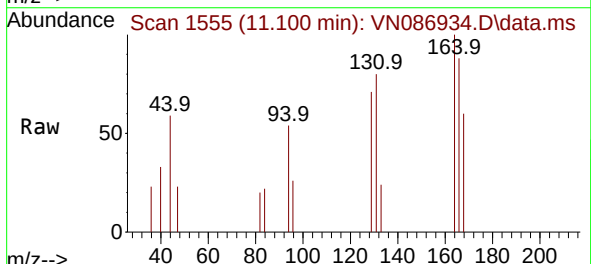
Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

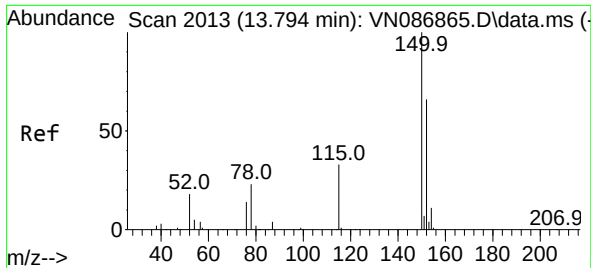
Tgt Ion:117 Resp: 514503
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 0.392 ug/l
RT: 11.100 min Scan# 1556
Delta R.T. -0.006 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion:164 Resp: 1275
Ion Ratio Lower Upper
164 100
166 88.4 101.8 152.8#
129 71.3 83.0 124.4#
131 79.7 78.2 117.2

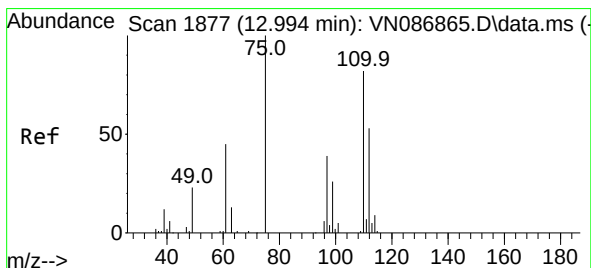
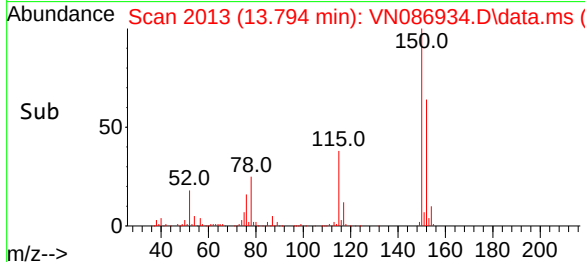
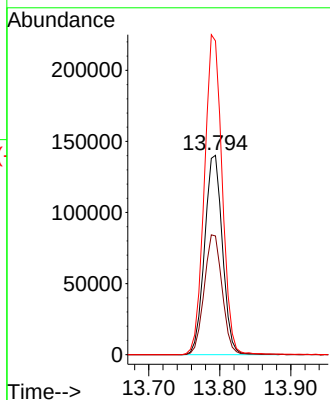
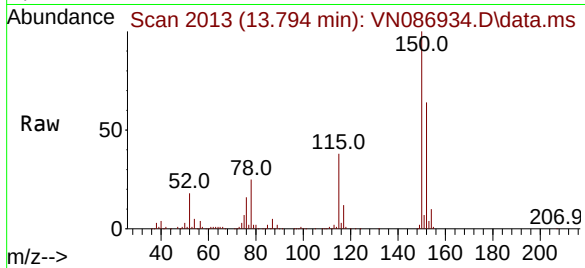




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN086934.D
 Acq: 10 Jun 2025 17:09

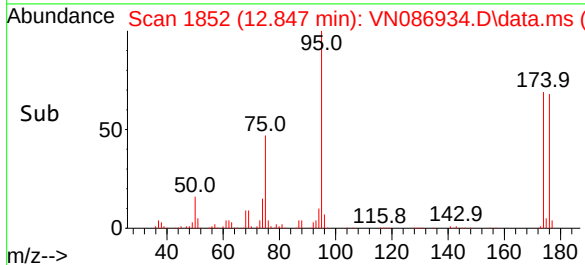
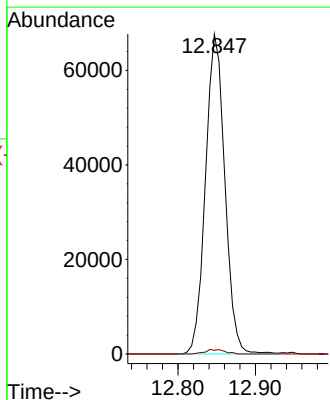
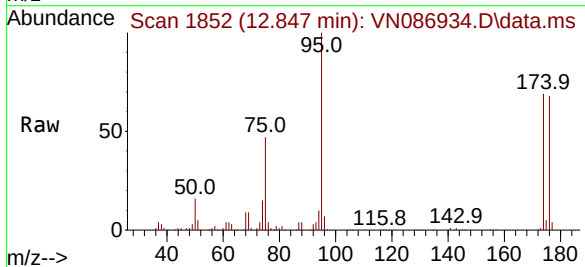
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9-20250603

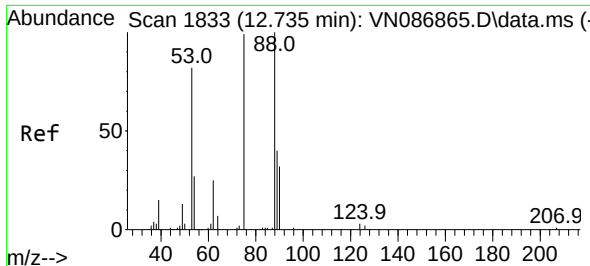
Tgt Ion:152 Resp: 245448
 Ion Ratio Lower Upper
 152 100
 115 60.6 30.1 90.5
 150 159.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.108 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086934.D
 Acq: 10 Jun 2025 17:09

Tgt Ion: 75 Resp: 117315
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#

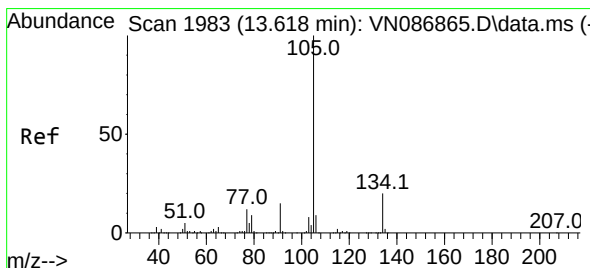
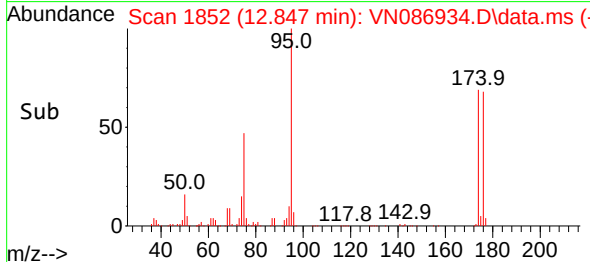
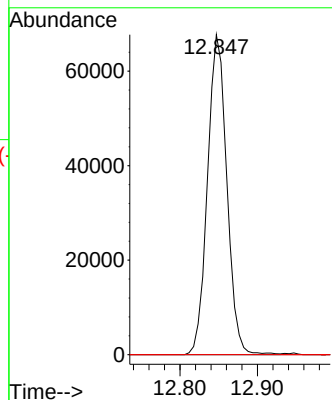
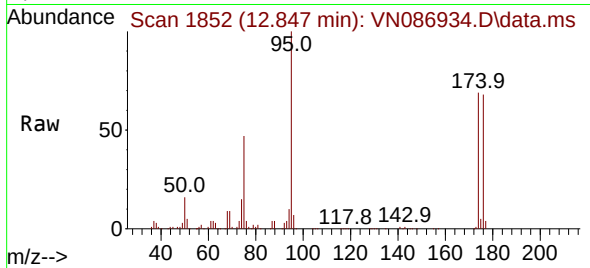




#81
trans-1,4-Dichloro-2-butene
Concen: 46.286 ug/l
RT: 12.847 min Scan# 117315
Delta R.T. 0.112 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

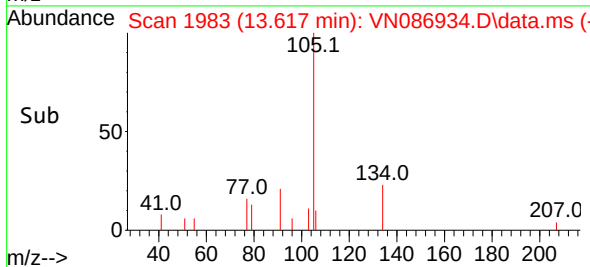
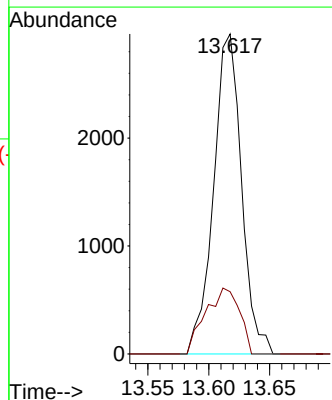
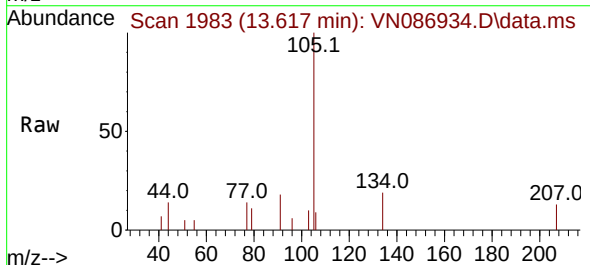
Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

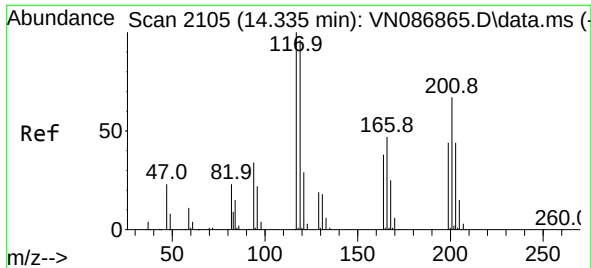
Tgt Ion: 75 Resp: 117315
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#85
sec-Butylbenzene
Concen: 0.242 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion:105 Resp: 4740
Ion Ratio Lower Upper
105 100
134 25.0 10.0 30.0





#90
 Hexachloroethane
 Concen: 0.643 ug/l
 RT: 14.447 min Scan# 2105
 Delta R.T. 0.112 min
 Lab File: VN086934.D
 Acq: 10 Jun 2025 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9-20250603

Tgt Ion:117 Resp: 1769
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.2 99.6#

