

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
 Data File : VN086086.D
 Acq On : 24 Mar 2025 20:50
 Operator : JC\MD
 Sample : Q1622-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

Quant Time: Mar 25 01:32:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

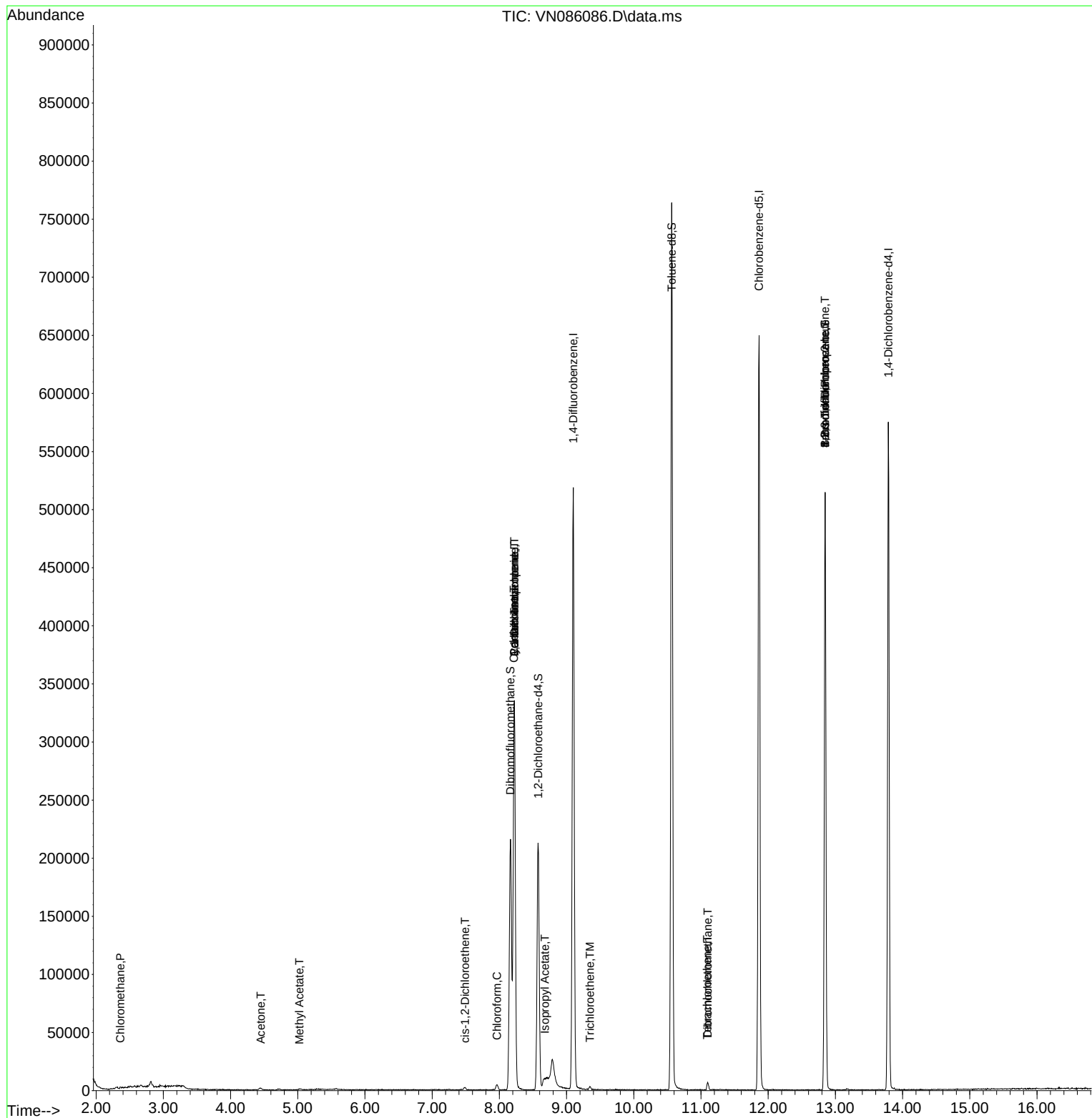
Internal Standards						
1) Pentafluorobenzene	8.224	168	252685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	462481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	398785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	178605	51.618	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.240%
35) Dibromofluoromethane	8.165	113	158567	49.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.240%
50) Toluene-d8	10.565	98	540982	46.176	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.360%
62) 4-Bromofluorobenzene	12.847	95	178180	42.646	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	85.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	612	0.209	ug/l #	80
16) Acetone	4.447	43	2766	2.617	ug/l	93
18) Methyl Acetate	5.024	43	801	0.306	ug/l #	74
27) cis-1,2-Dichloroethene	7.488	96	1207	0.375	ug/l	93
30) Chloroform	7.965	83	4502	0.805	ug/l #	81
31) Cyclohexane	8.218	56	4645	1.077	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	20901	4.917	ug/l #	50
38) Carbon Tetrachloride	8.224	117	25431	4.550	ug/l #	15
43) Isopropyl Acetate	8.677	43	8530	1.098	ug/l #	50
44) Trichloroethene	9.347	130	1076	0.311	ug/l	76
60) Dibromochloromethane	11.100	129	1511	0.375	ug/l #	12
64) Tetrachloroethene	11.094	164	1731	0.544	ug/l #	75
71) Bromoform	12.847	173	1379	0.486	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	90916	24.853	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	90916	65.707	ug/l #	16

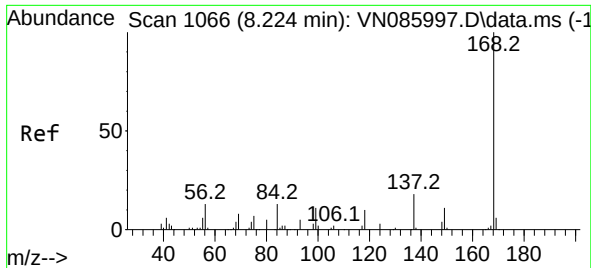
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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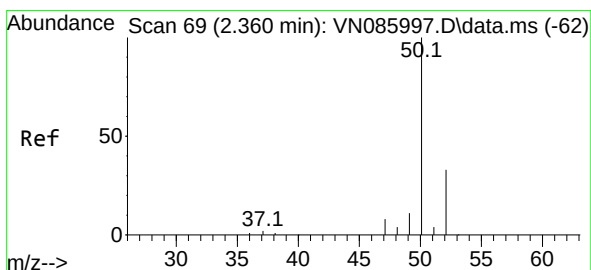
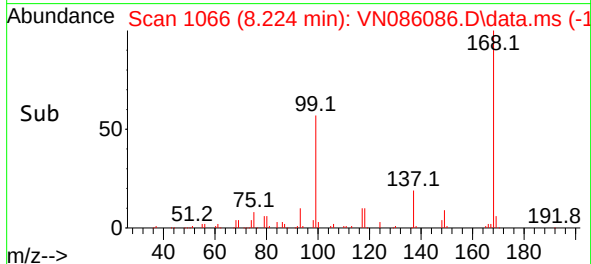
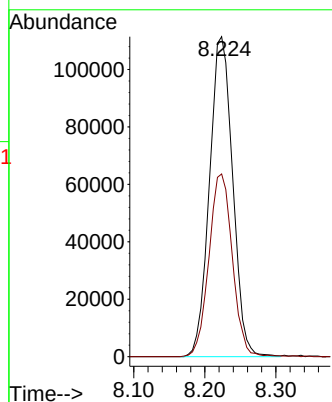
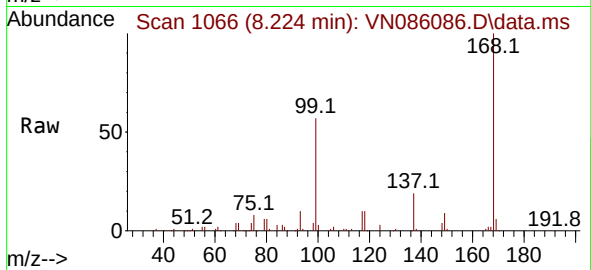




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

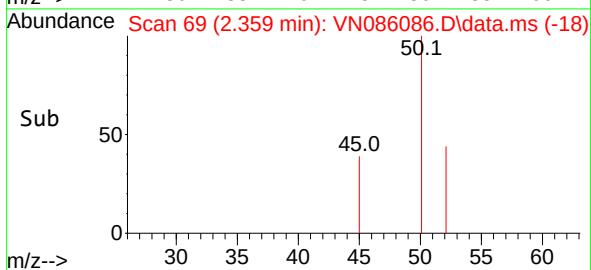
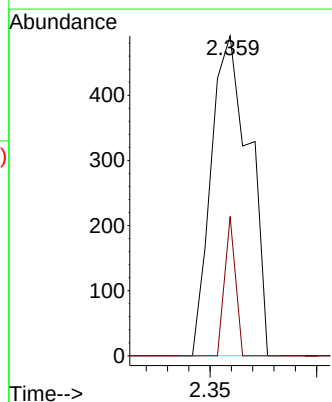
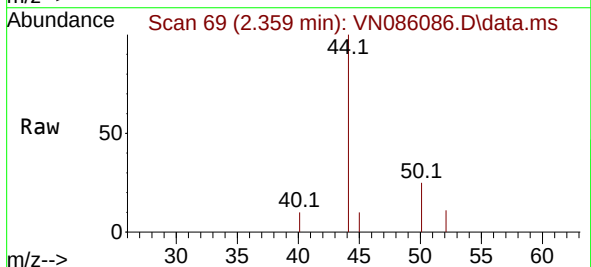
Instrument :
MSVOA_N
ClientSampleId :
MW1

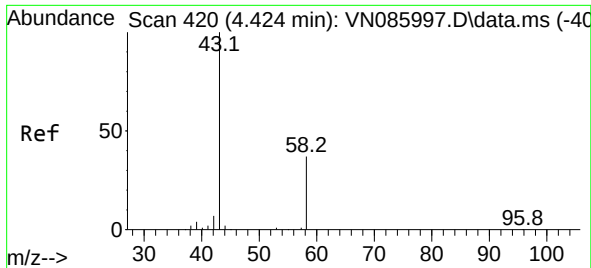
Tgt Ion:168 Resp: 252685
Ion Ratio Lower Upper
168 100
99 57.1 49.4 74.2



#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion: 50 Resp: 612
Ion Ratio Lower Upper
50 100
52 43.6 26.0 39.0#





#16

Acetone

Concen: 2.617 ug/l

RT: 4.447 min Scan# 41

Delta R.T. 0.023 min

Lab File: VN086086.D

Acq: 24 Mar 2025 20:50

Instrument :

MSVOA_N

ClientSampleId :

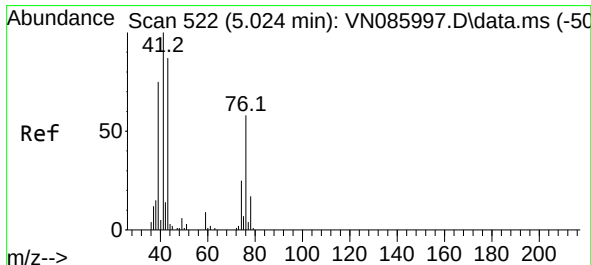
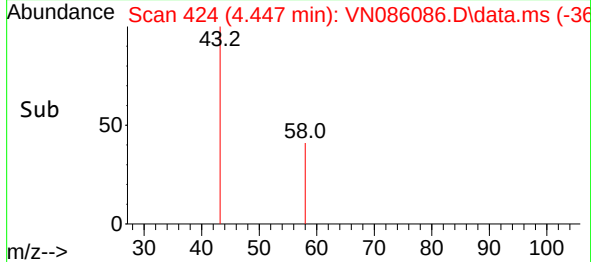
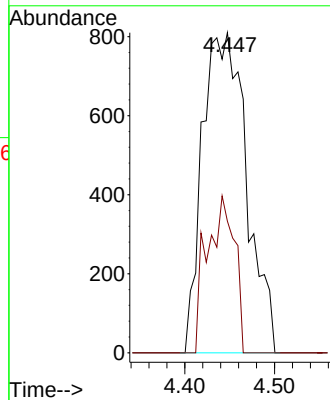
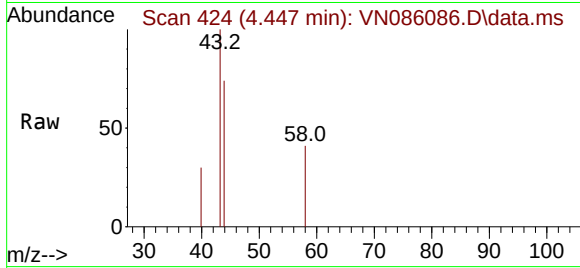
MW1

Tgt Ion: 43 Resp: 2766

Ion Ratio Lower Upper

43 100

58 41.1 29.4 44.2



#18

Methyl Acetate

Concen: 0.306 ug/l

RT: 5.024 min Scan# 522

Delta R.T. -0.000 min

Lab File: VN086086.D

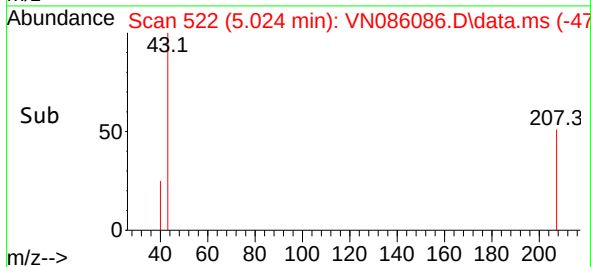
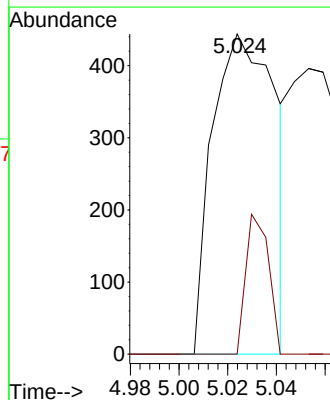
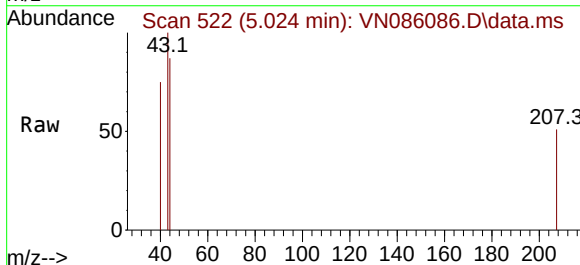
Acq: 24 Mar 2025 20:50

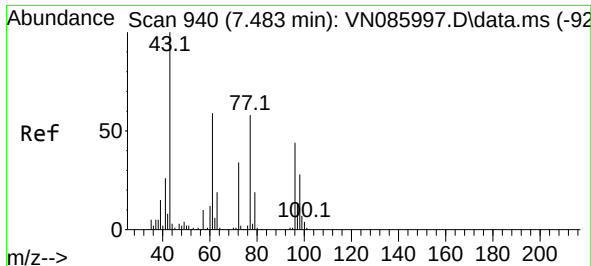
Tgt Ion: 43 Resp: 801

Ion Ratio Lower Upper

43 100

74 15.7 23.9 35.9#

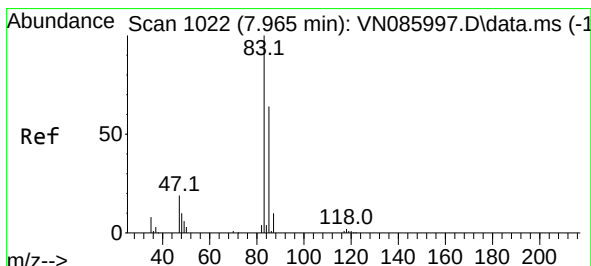
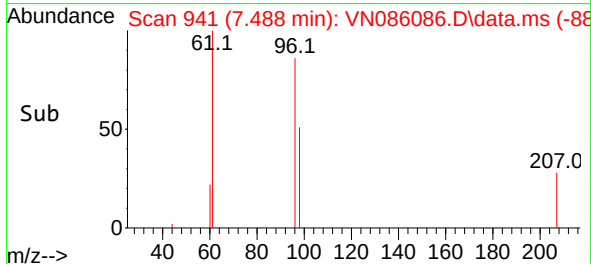
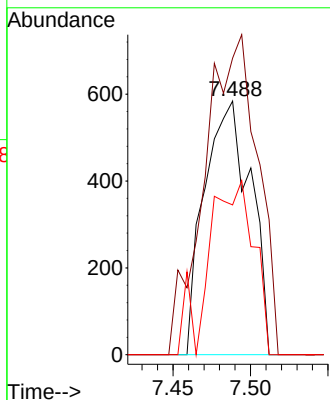
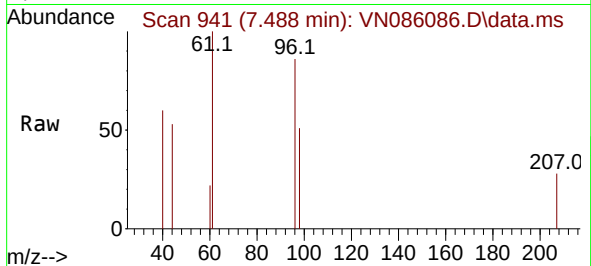




#27
 cis-1,2-Dichloroethene
 Concen: 0.375 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN086086.D
 Acq: 24 Mar 2025 20:50

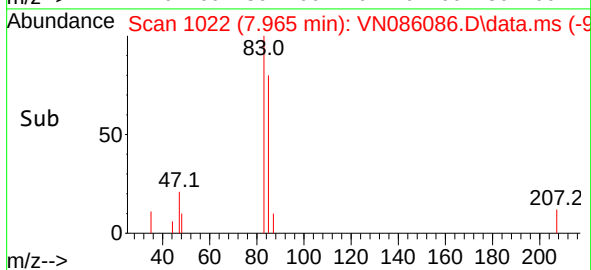
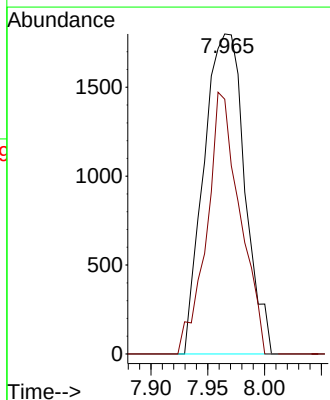
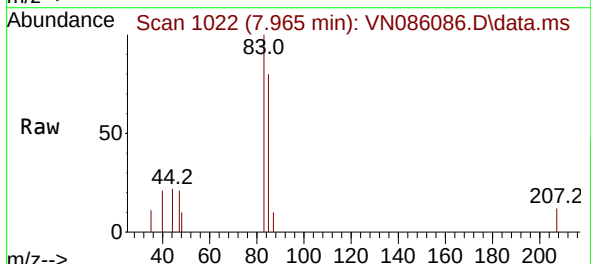
Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

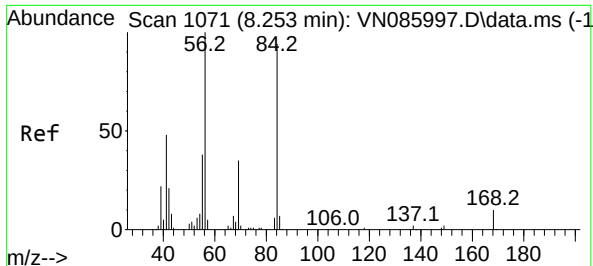
Tgt Ion: 96 Resp: 1207
 Ion Ratio Lower Upper
 96 100
 61 145.5 0.0 272.8
 98 67.4 0.0 124.8



#30
 Chloroform
 Concen: 0.805 ug/l
 RT: 7.965 min Scan# 1022
 Delta R.T. -0.000 min
 Lab File: VN086086.D
 Acq: 24 Mar 2025 20:50

Tgt Ion: 83 Resp: 4502
 Ion Ratio Lower Upper
 83 100
 85 79.6 51.5 77.3#

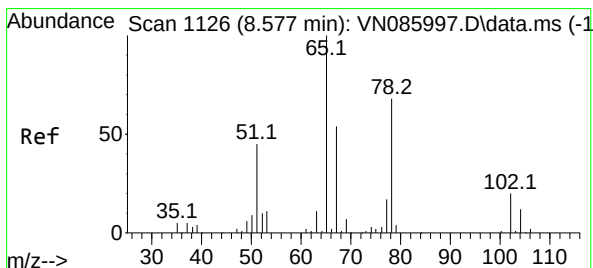
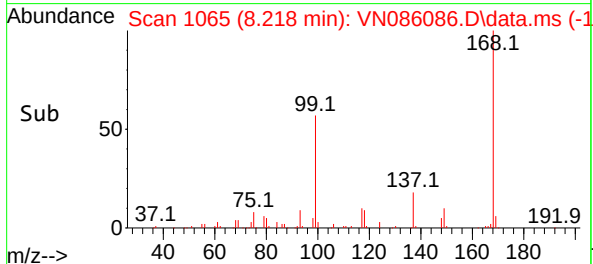
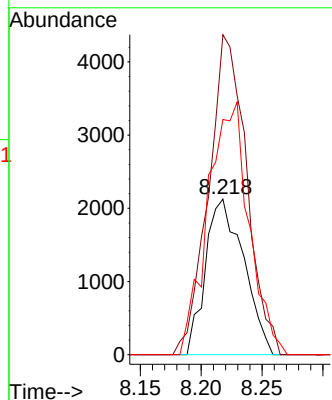
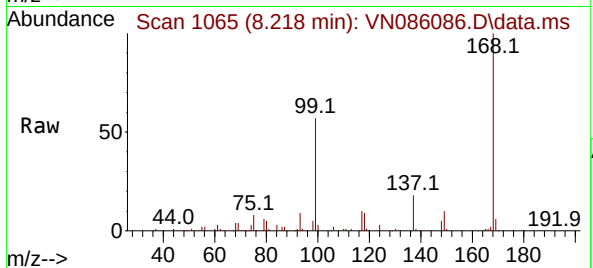




#31
Cyclohexane
Concen: 1.077 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

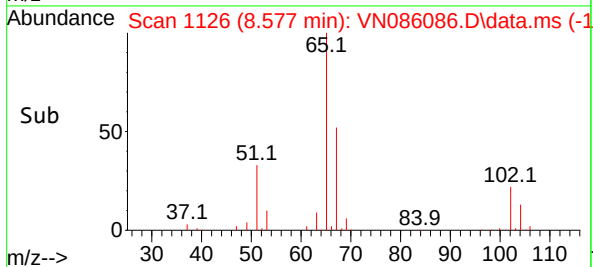
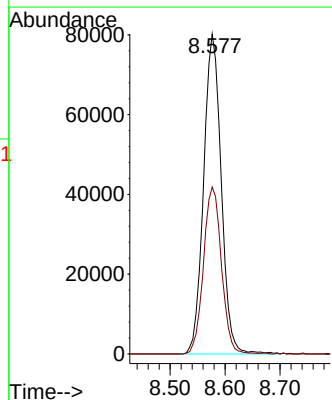
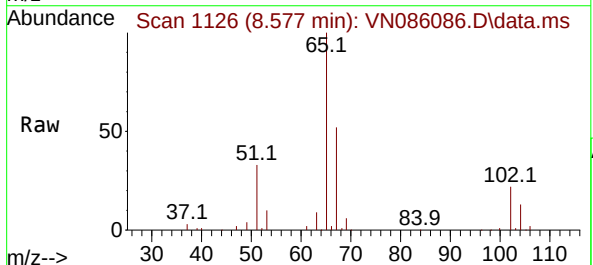
Instrument :
MSVOA_N
ClientSampleId :
MW1

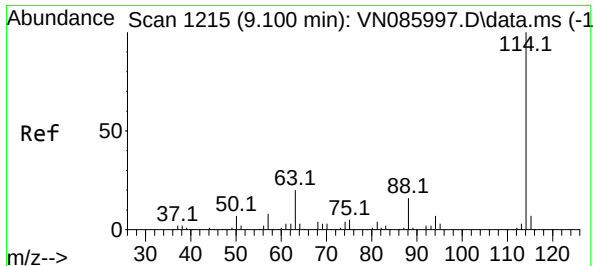
Tgt Ion: 56 Resp: 4645
Ion Ratio Lower Upper
56 100
69 205.6 28.0 42.0#
84 151.2 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 51.618 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion: 65 Resp: 178605
Ion Ratio Lower Upper
65 100
67 53.1 0.0 102.2

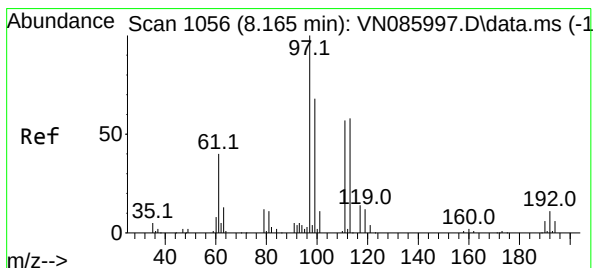
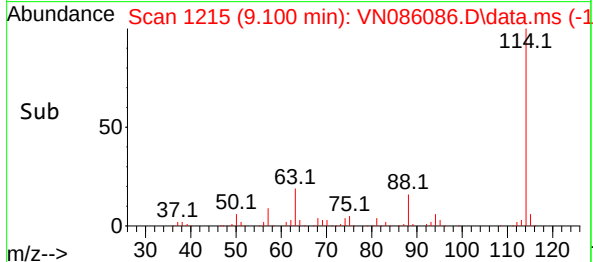
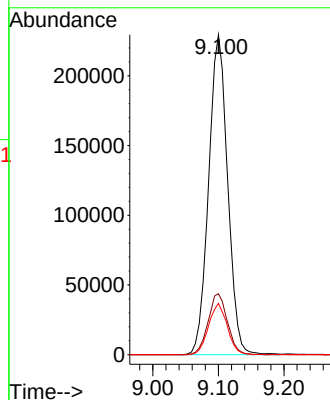
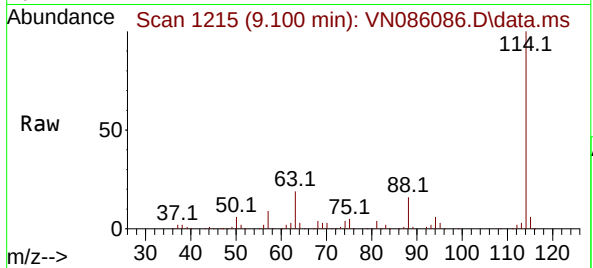




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

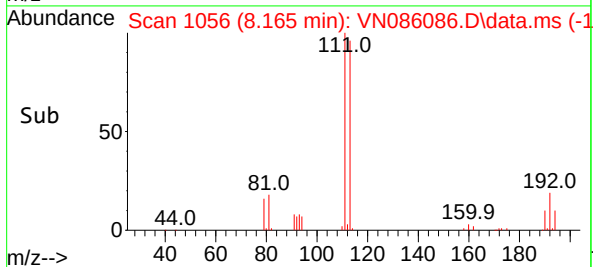
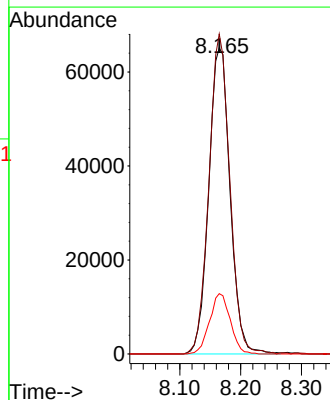
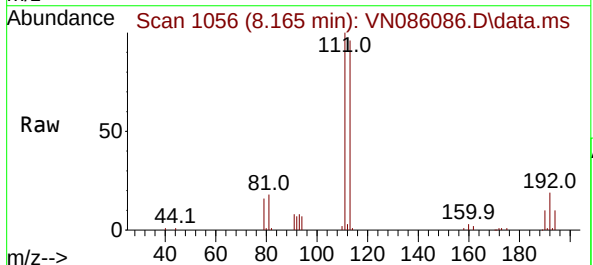
Instrument :
MSVOA_N
ClientSampleId :
MW1

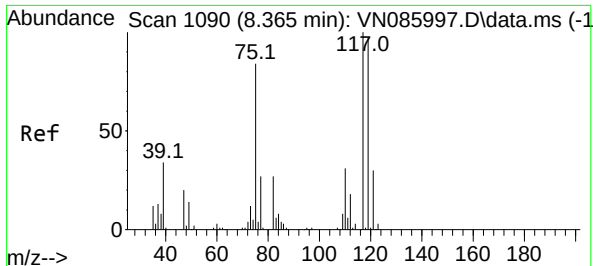
Tgt Ion:114 Resp: 462481
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.6
88 16.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.121 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion:113 Resp: 158567
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 19.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.917 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN086086.D

Acq: 24 Mar 2025 20:50

Instrument :

MSVOA_N

ClientSampleId :

MW1

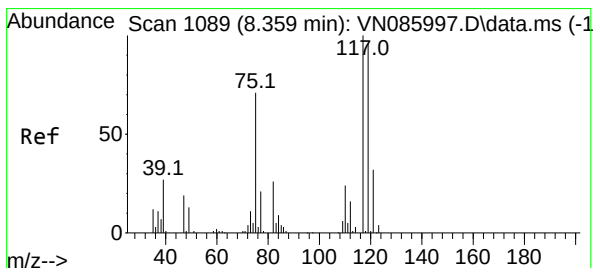
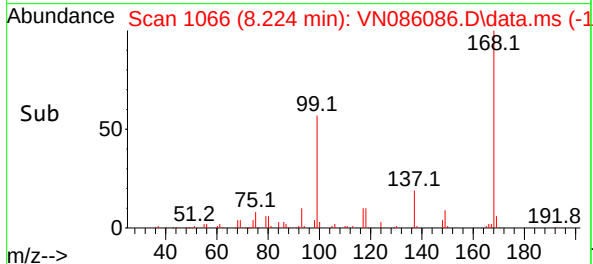
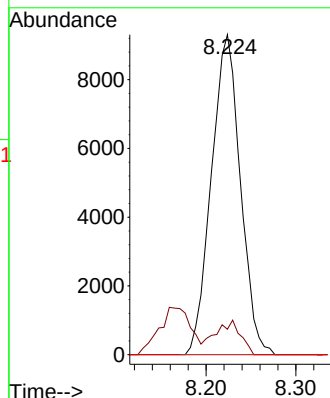
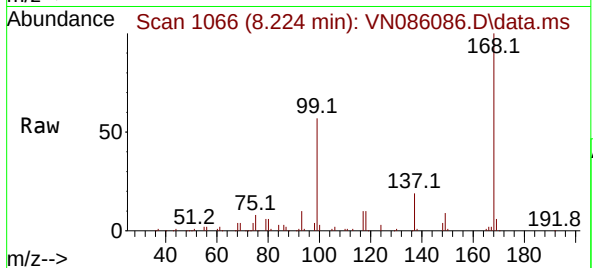
Tgt Ion: 75 Resp: 20901

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 4.550 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086086.D

Acq: 24 Mar 2025 20:50

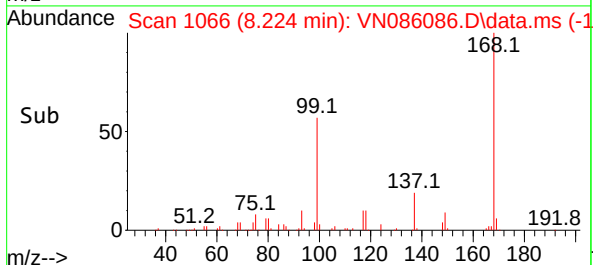
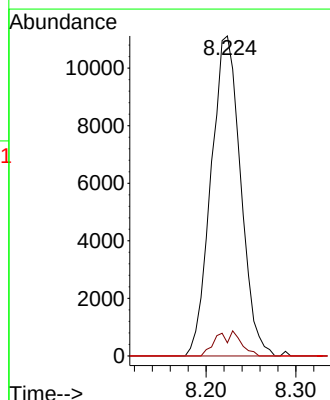
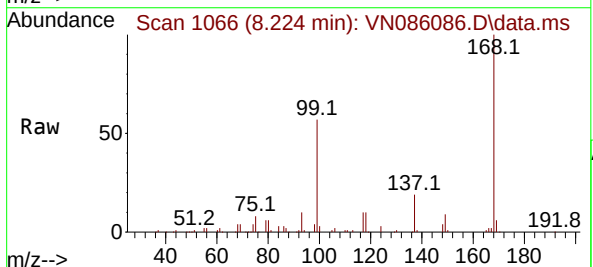
Tgt Ion: 117 Resp: 25431

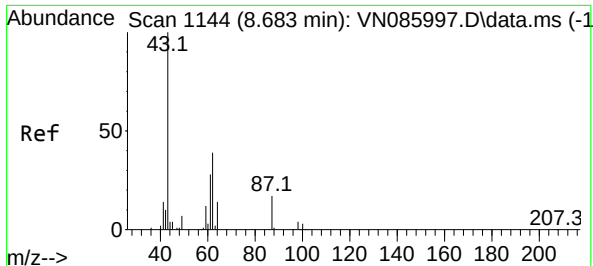
Ion Ratio Lower Upper

117 100

119 4.1 77.0 115.4#

121 0.0 25.6 38.4#

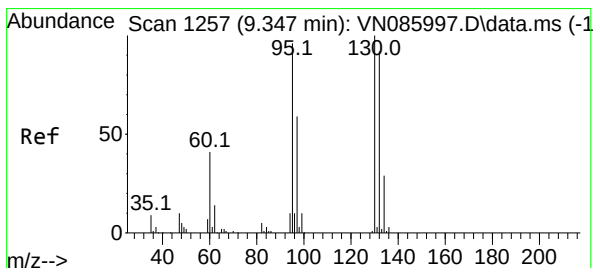
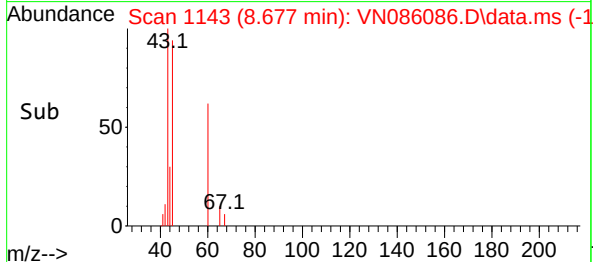
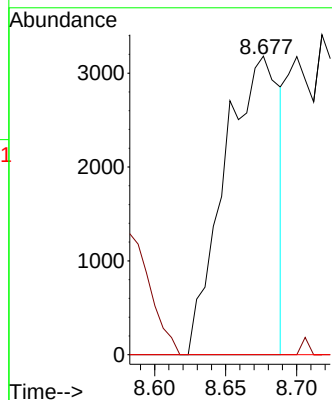
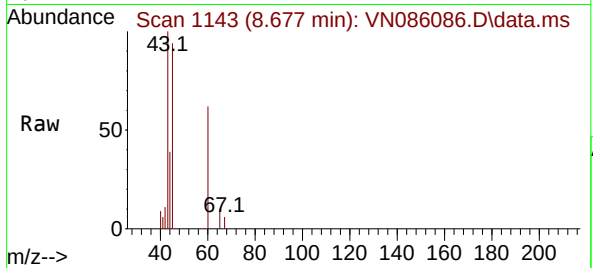




#43
Isopropyl Acetate
Concen: 1.098 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

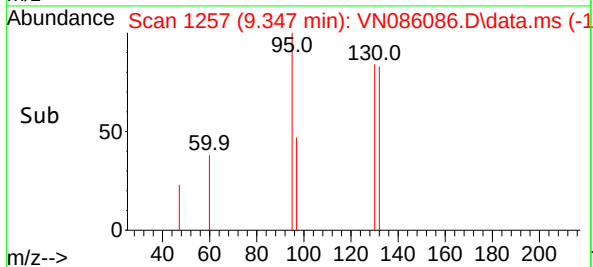
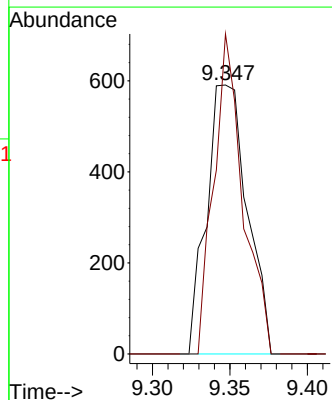
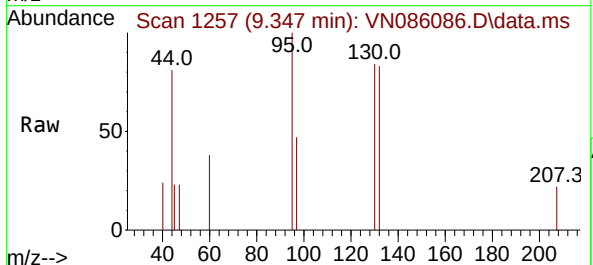
Instrument :
MSVOA_N
ClientSampleId :
MW1

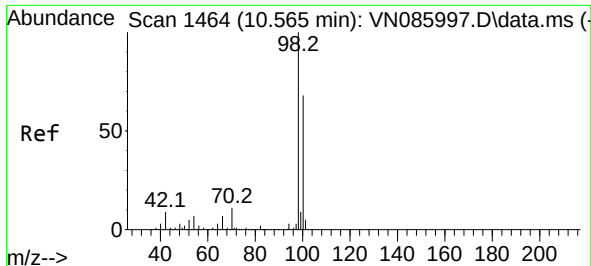
Tgt Ion: 43 Resp: 8530
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#



#44
Trichloroethene
Concen: 0.311 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion:130 Resp: 1076
Ion Ratio Lower Upper
130 100
95 119.0 0.0 191.6

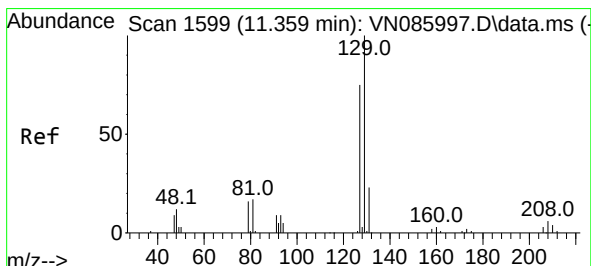
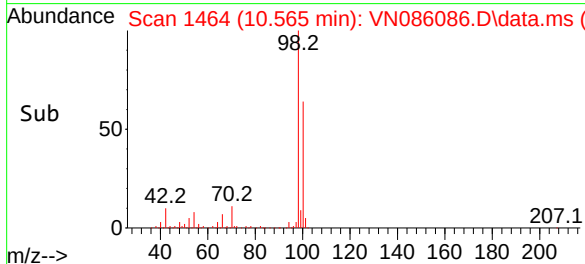
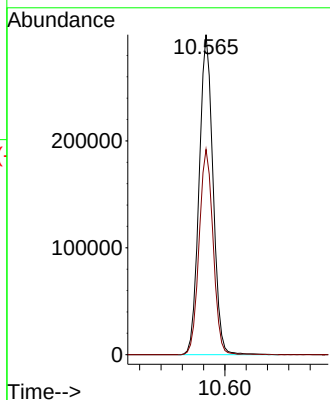
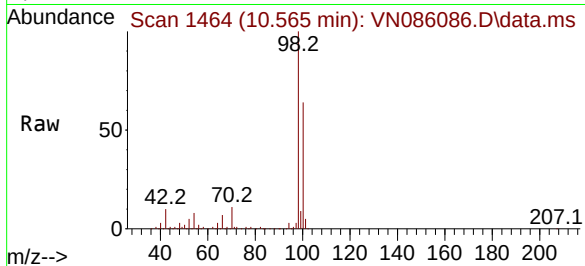




#50
Toluene-d8
Concen: 46.176 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

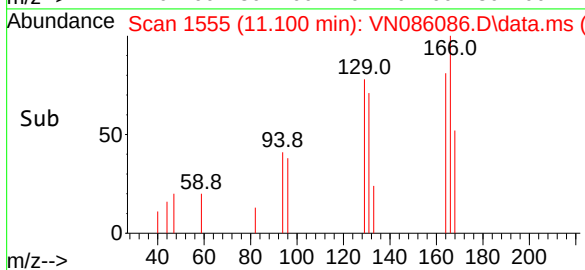
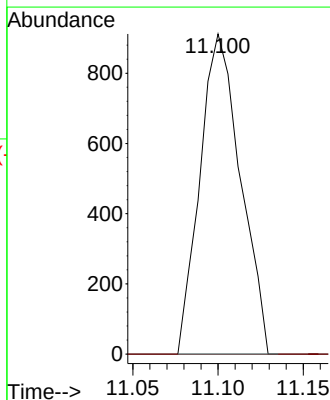
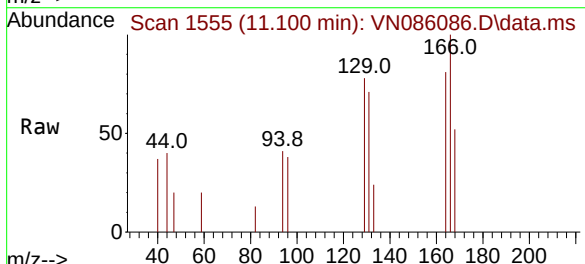
Instrument :
MSVOA_N
ClientSampleId :
MW1

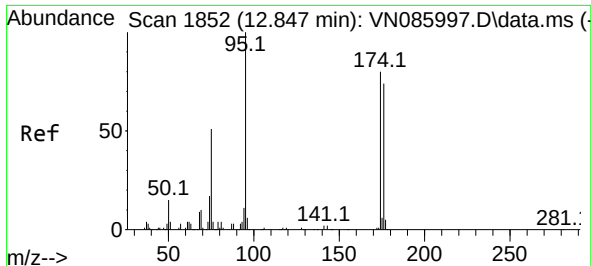
Tgt Ion: 98 Resp: 540982
Ion Ratio Lower Upper
98 100
100 64.5 53.1 79.7



#60
Dibromochloromethane
Concen: 0.375 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion:129 Resp: 1511
Ion Ratio Lower Upper
129 100
127 0.0 37.8 113.4#

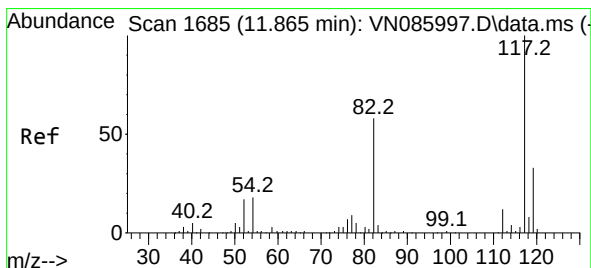
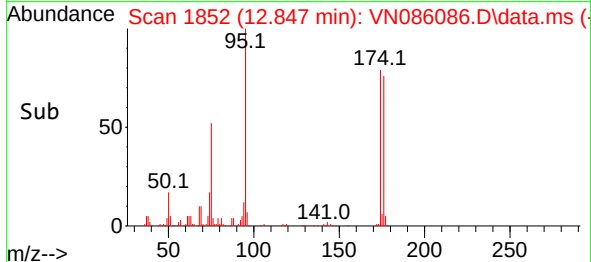
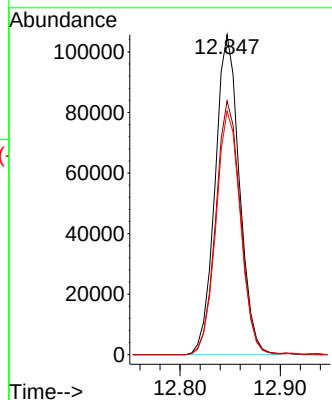
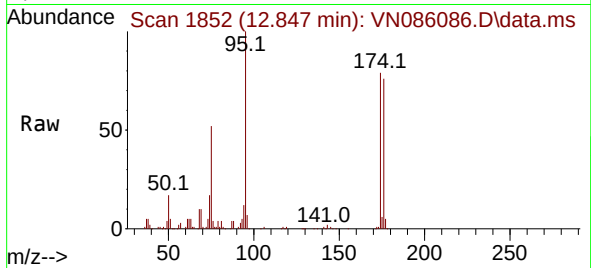




#62
4-Bromofluorobenzene
Concen: 42.646 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

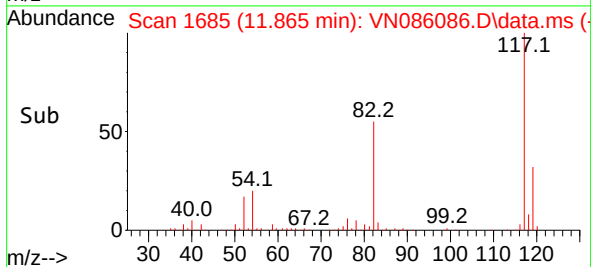
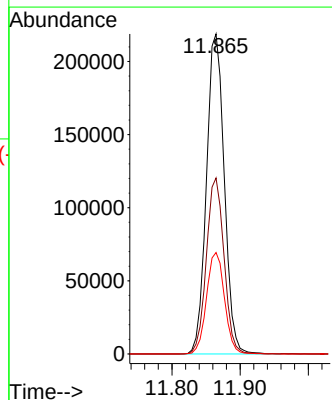
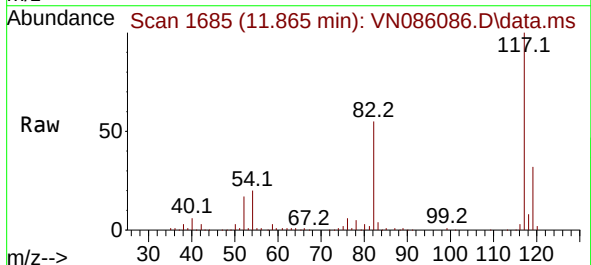
Instrument :
MSVOA_N
ClientSampleId :
MW1

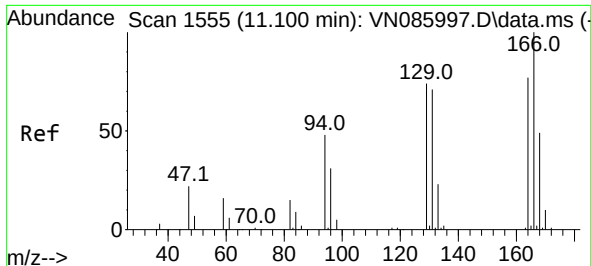
Tgt Ion: 95 Resp: 178180
Ion Ratio Lower Upper
95 100
174 80.8 0.0 156.8
176 76.9 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion: 117 Resp: 398785
Ion Ratio Lower Upper
117 100
82 55.0 46.7 70.1
119 31.7 26.5 39.7



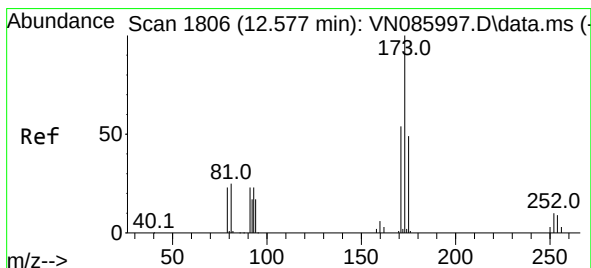
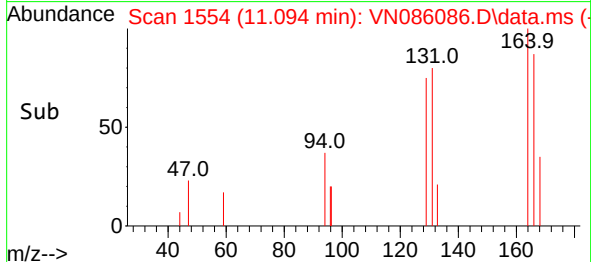
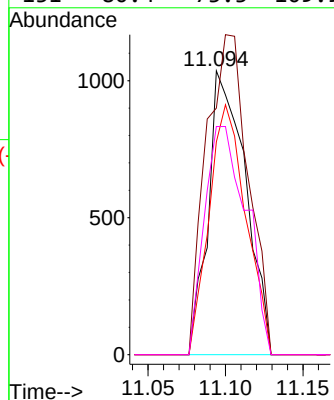
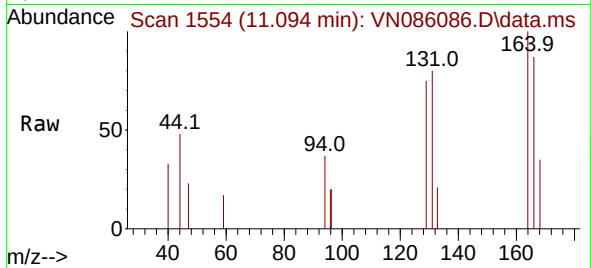


#64
Tetrachloroethene
Concen: 0.544 ug/l
RT: 11.094 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
MW1

Tgt Ion:164 Resp: 1731

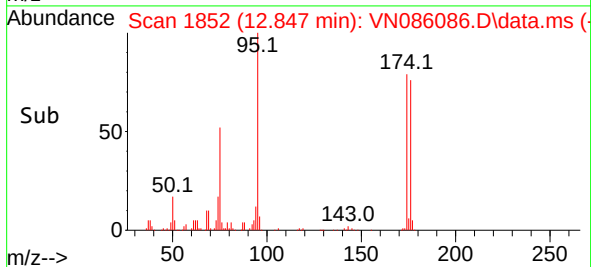
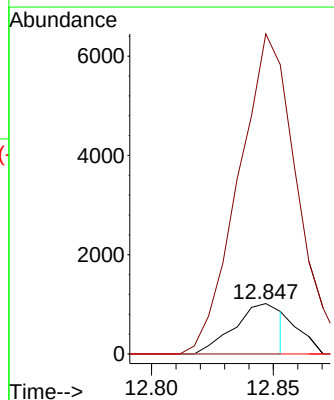
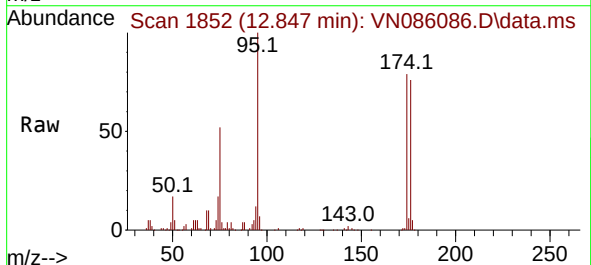
Ion	Ratio	Lower	Upper
164	100		
166	86.9	103.7	155.5#
129	75.0	77.1	115.7#
131	80.4	73.3	109.9

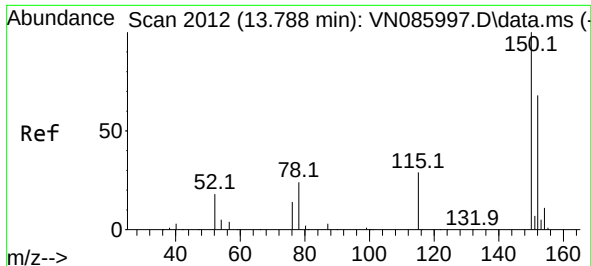


#71
Bromoform
Concen: 0.486 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion:173 Resp: 1379

Ion	Ratio	Lower	Upper
173	100		
175	598.0	24.3	73.0#
254	0.0	0.0	0.0

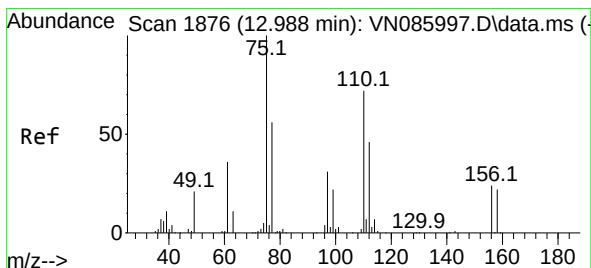
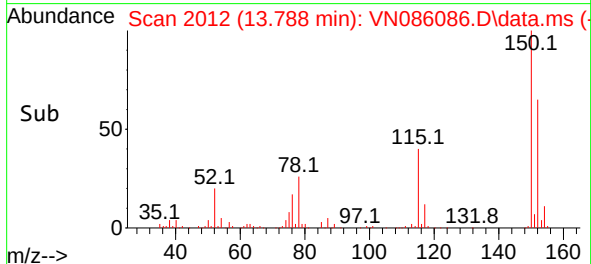
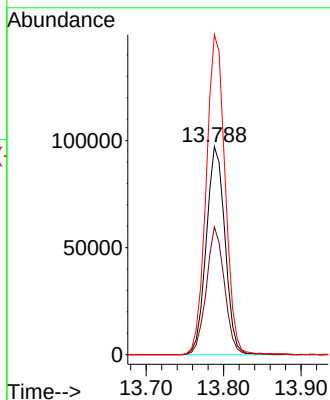
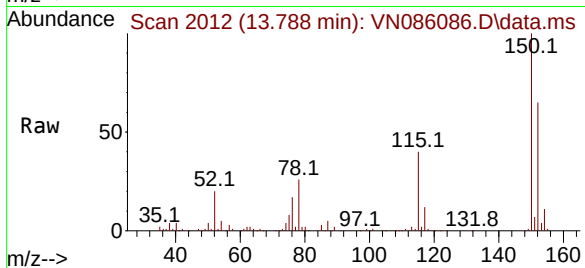




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

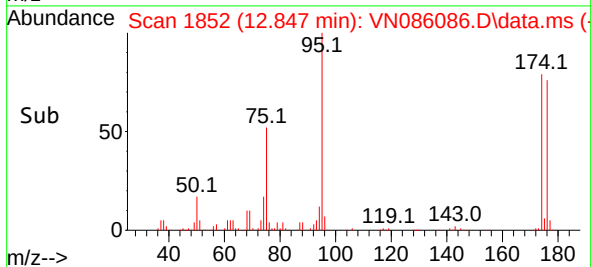
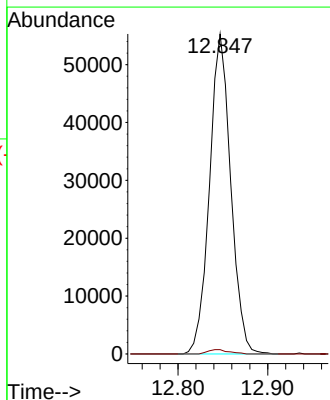
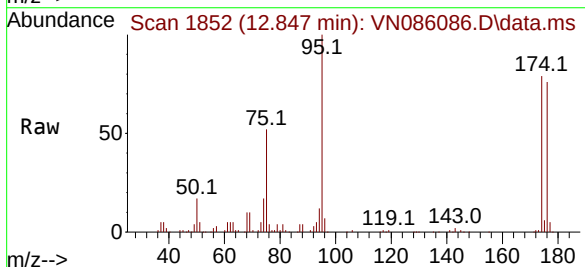
Instrument :
MSVOA_N
ClientSampleId :
MW1

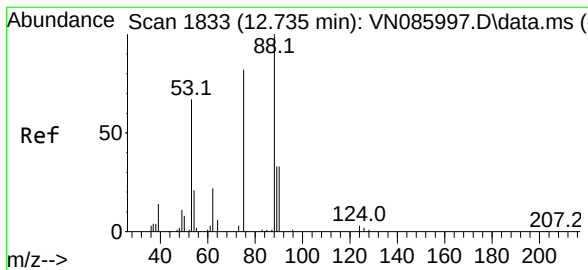
Tgt Ion:152 Resp: 163397
Ion Ratio Lower Upper
152 100
115 59.4 31.1 93.2
150 155.4 0.0 359.6



#76
1,2,3-Trichloropropane
Concen: 24.853 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086086.D
Acq: 24 Mar 2025 20:50

Tgt Ion: 75 Resp: 90916
Ion Ratio Lower Upper
75 100
77 1.3 83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.707 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086086.D
 Acq: 24 Mar 2025 20:50

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1

Tgt Ion: 75 Resp: 90916
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.0 99.0#
 89 0.0 36.9 55.3#

