

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083886.D
 Acq On : 14 Sep 2024 13:32
 Operator : JC\MD
 Sample : P3957-07RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D2-20240910RE

Quant Time: Sep 16 01:34:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

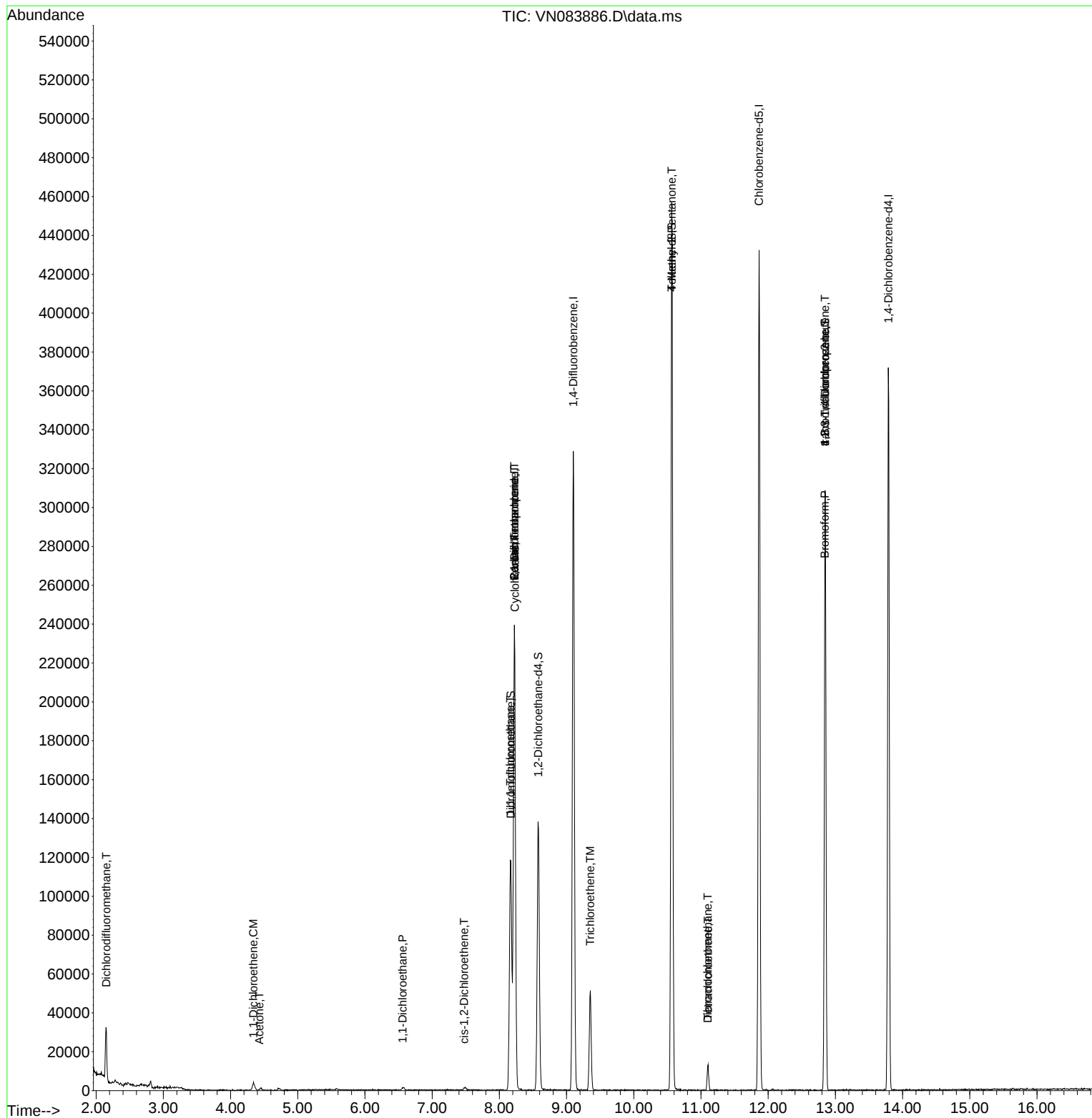
Internal Standards						
1) Pentafluorobenzene	8.224	168	158038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118169	49.589	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.180%		
35) Dibromofluoromethane	8.171	113	84730	48.690	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.380%		
50) Toluene-d8	10.565	98	308013	51.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.400%		
62) 4-Bromofluorobenzene	12.847	95	102387	41.251	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	82.500%		
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.153	85	428	0.233	ug/l #	43
3) Chloromethane	2.371	50	483	Below Cal	#	41
12) 1,1-Dichloroethene	4.342	96	2250	1.316	ug/l	96
16) Acetone	4.430	43	494	0.517	ug/l #	45
24) 1,1-Dichloroethane	6.559	63	1236	0.342	ug/l #	82
27) cis-1,2-Dichloroethene	7.477	96	690	0.317	ug/l	95
31) Cyclohexane	8.230	56	4455	1.294	ug/l #	15
32) 1,1,1-Trichloroethane	8.165	97	1164	0.330	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	14885	5.683	ug/l #	50
38) Carbon Tetrachloride	8.224	117	18079	6.084	ug/l #	16
44) Trichloroethene	9.353	130	17505	9.588	ug/l	96
51) 4-Methyl-2-Pentanone	10.565	43	1536	0.655	ug/l #	1
60) Dibromochloromethane	11.100	129	2741	1.360	ug/l #	10
64) Tetrachloroethene	11.106	164	2816	1.850	ug/l	91
71) Bromoform	12.841	173	384	0.323	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	59241	30.970	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	59241	81.113	ug/l #	9

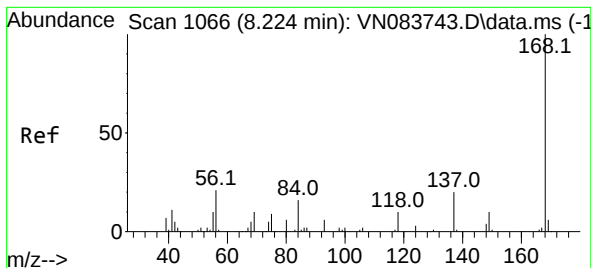
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW179D2-20240910RE

Quant Time: Sep 16 01:34:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083886.D

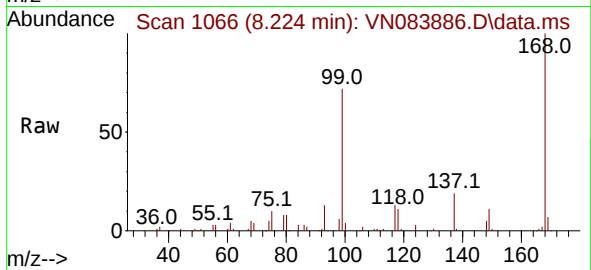
Acq: 14 Sep 2024 13:32

Instrument :

MSVOA_N

ClientSampleId :

MW179D2-20240910RE

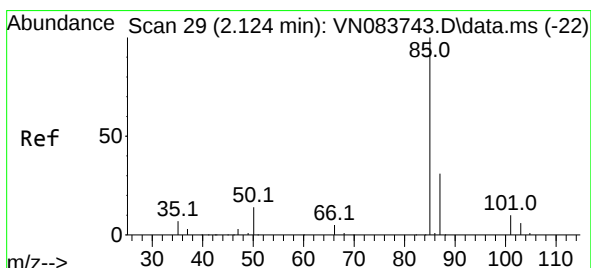
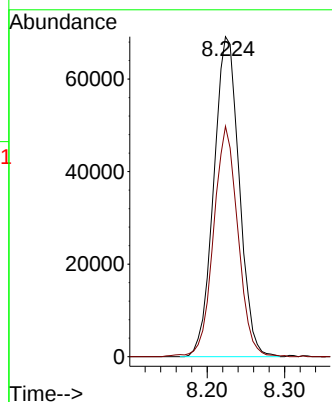
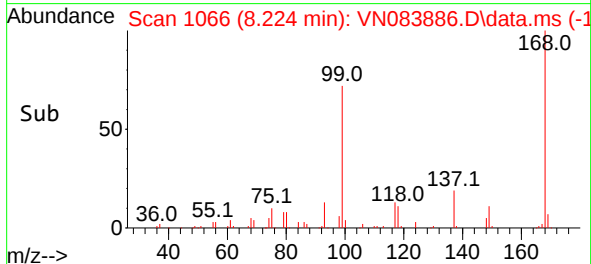


Tgt Ion:168 Resp: 158038

Ion Ratio Lower Upper

168 100

99 71.7 54.2 81.2



#2

Dichlorodifluoromethane

Concen: 0.233 ug/l

RT: 2.153 min Scan# 34

Delta R.T. 0.029 min

Lab File: VN083886.D

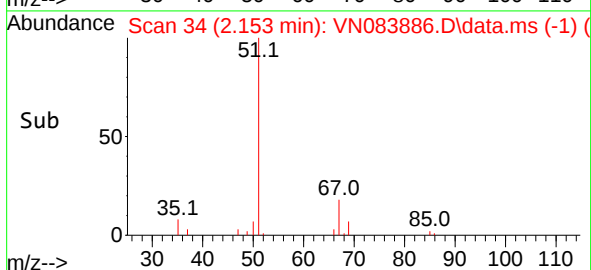
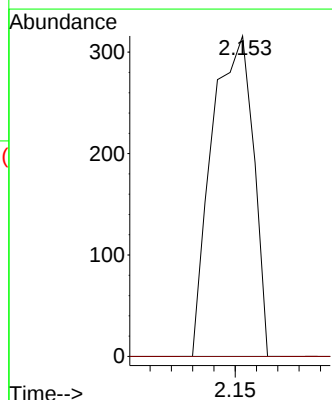
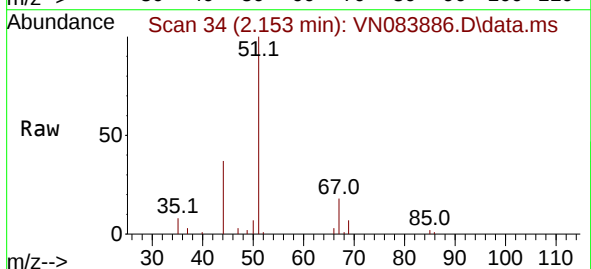
Acq: 14 Sep 2024 13:32

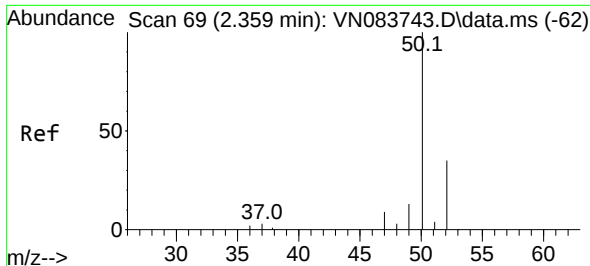
Tgt Ion: 85 Resp: 428

Ion Ratio Lower Upper

85 100

87 0.0 15.7 47.0#





#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN083886.D

Acq: 14 Sep 2024 13:32

Instrument :

MSVOA_N

ClientSampleId :

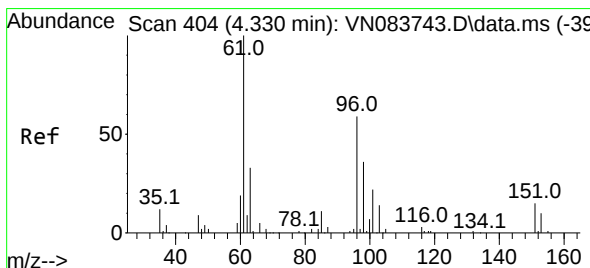
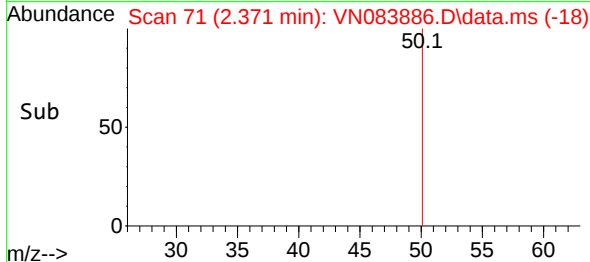
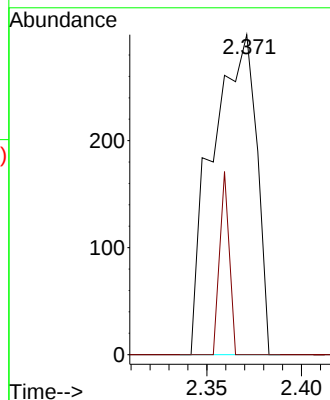
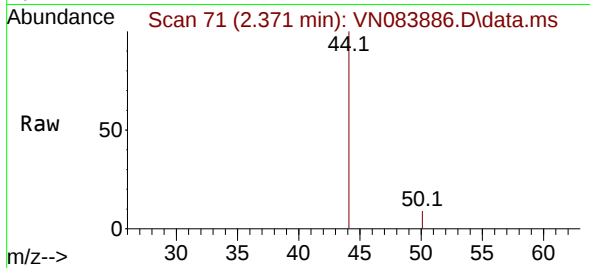
MW179D2-20240910RE

Tgt Ion: 50 Resp: 483

Ion Ratio Lower Upper

50 100

52 0.0 27.2 40.8#



#12

1,1-Dichloroethene

Concen: 1.316 ug/l

RT: 4.342 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN083886.D

Acq: 14 Sep 2024 13:32

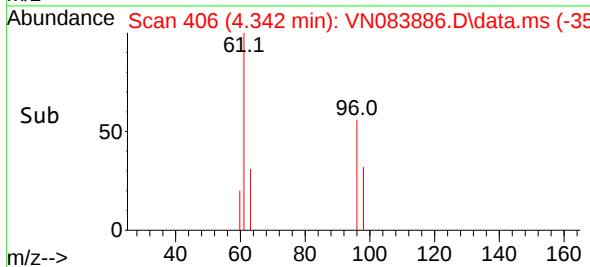
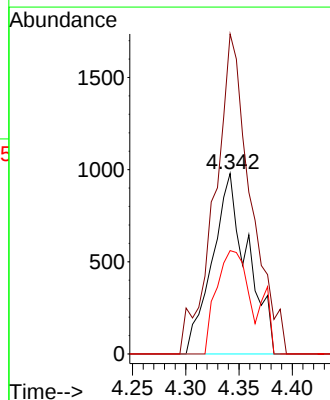
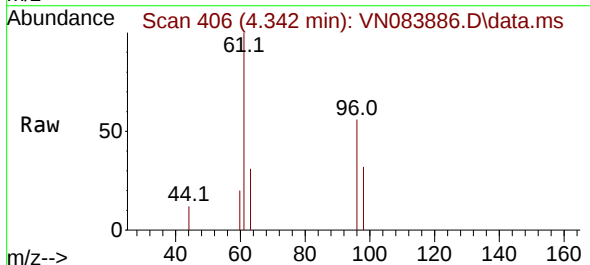
Tgt Ion: 96 Resp: 2250

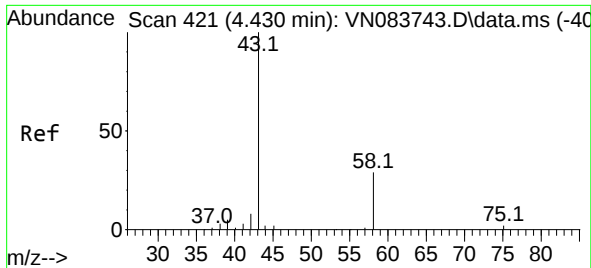
Ion Ratio Lower Upper

96 100

61 177.3 143.4 215.0

98 57.3 52.7 79.1





#16

Acetone

Concen: 0.517 ug/l

RT: 4.430 min Scan# 421

Delta R.T. -0.000 min

Lab File: VN083886.D

Acq: 14 Sep 2024 13:32

Instrument :

MSVOA_N

ClientSampleId :

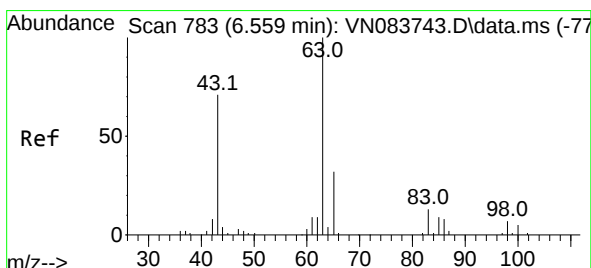
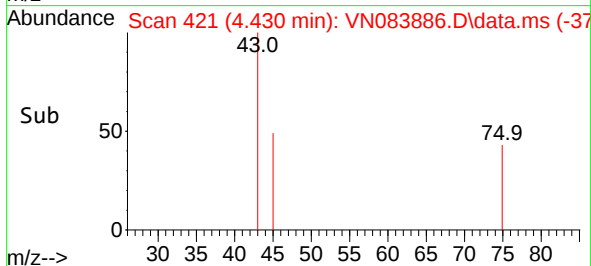
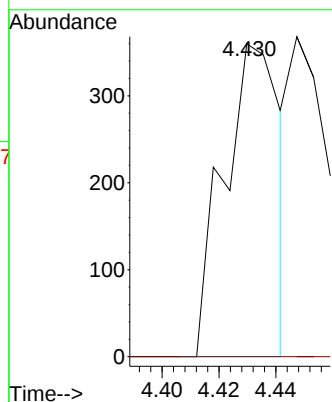
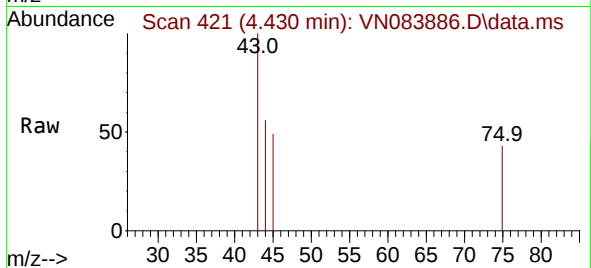
MW179D2-20240910RE

Tgt Ion: 43 Resp: 494

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#24

1,1-Dichloroethane

Concen: 0.342 ug/l

RT: 6.559 min Scan# 783

Delta R.T. -0.000 min

Lab File: VN083886.D

Acq: 14 Sep 2024 13:32

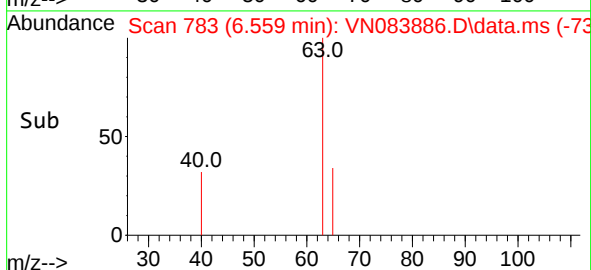
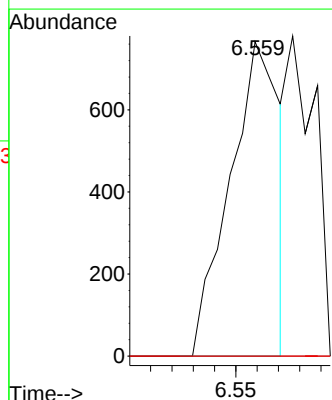
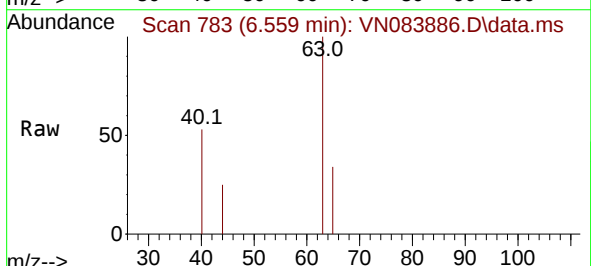
Tgt Ion: 63 Resp: 1236

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.5 7.5#

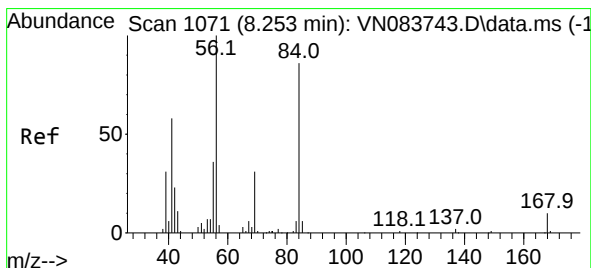
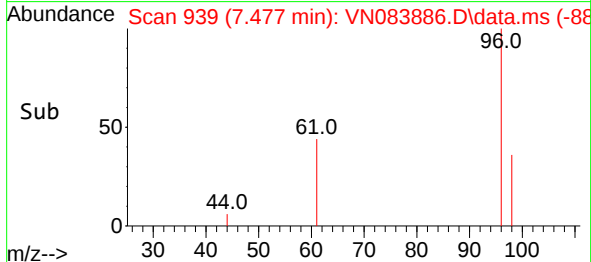
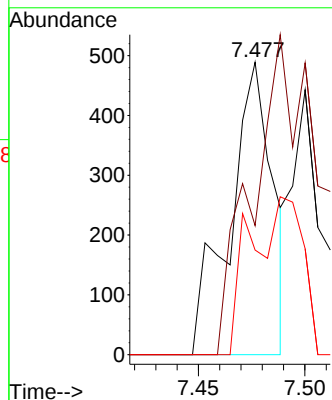
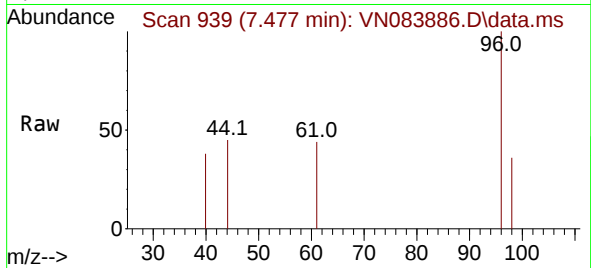




#27
 cis-1,2-Dichloroethene
 Concen: 0.317 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VN083886.D
 Acq: 14 Sep 2024 13:32

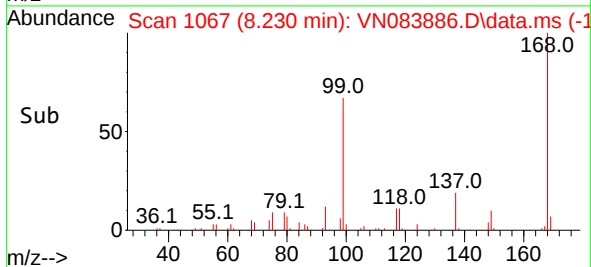
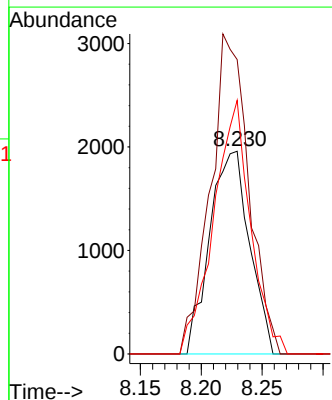
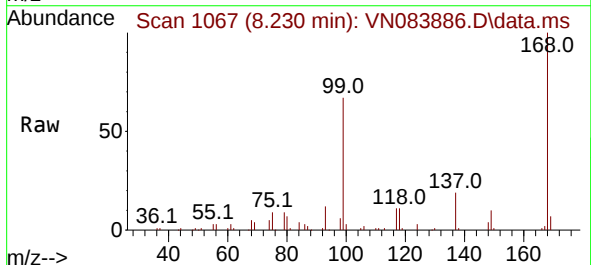
Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D2-20240910RE

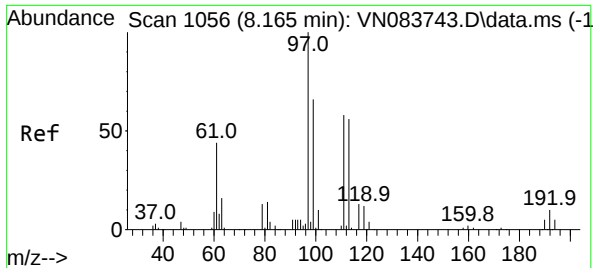
Tgt Ion: 96 Resp: 690
 Ion Ratio Lower Upper
 96 100
 61 162.5 0.0 306.2
 98 64.8 0.0 128.6



#31
 Cyclohexane
 Concen: 1.294 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.024 min
 Lab File: VN083886.D
 Acq: 14 Sep 2024 13:32

Tgt Ion: 56 Resp: 4455
 Ion Ratio Lower Upper
 56 100
 69 145.3 26.9 40.3#
 84 125.2 69.2 103.8#

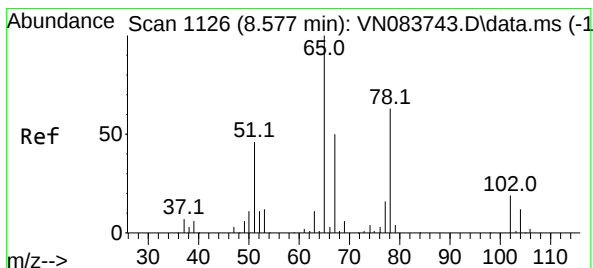
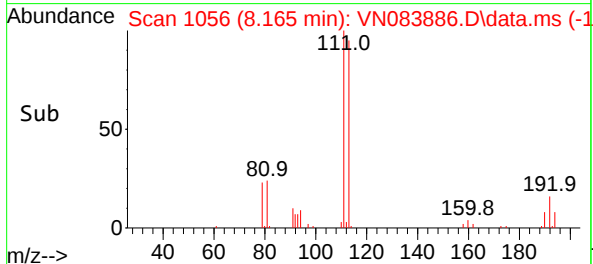
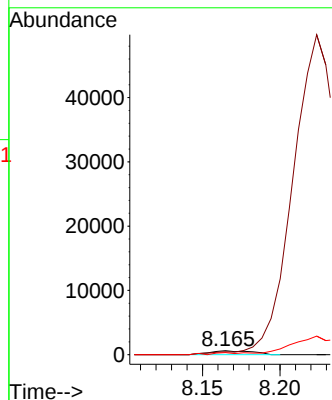
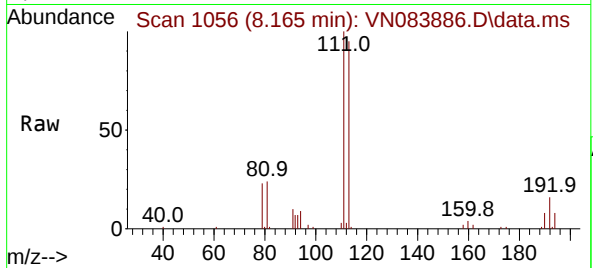




#32
1,1,1-Trichloroethane
Concen: 0.330 ug/l
RT: 8.165 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VN083886.D
Acq: 14 Sep 2024 13:32

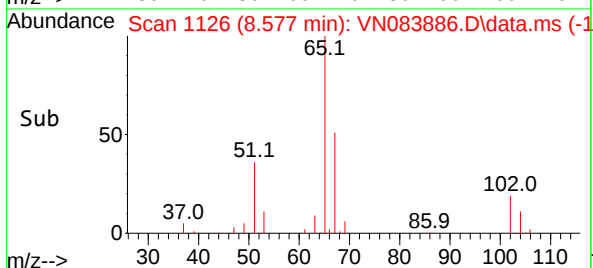
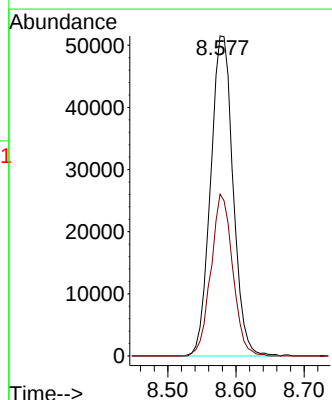
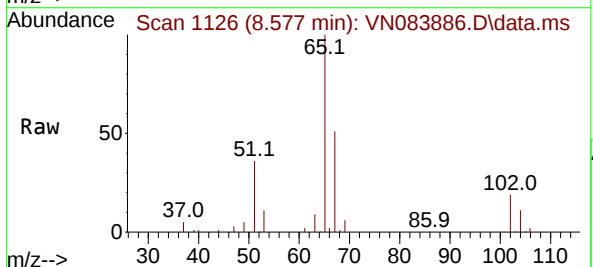
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20240910RE

Tgt Ion: 97 Resp: 1164
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 28.5 38.2 57.2#



#33
1,2-Dichloroethane-d4
Concen: 49.589 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083886.D
Acq: 14 Sep 2024 13:32

Tgt Ion: 65 Resp: 118169
Ion Ratio Lower Upper
65 100
67 49.0 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083886.D

Acq: 14 Sep 2024 13:32

Instrument :

MSVOA_N

ClientSampleId :

MW179D2-20240910RE

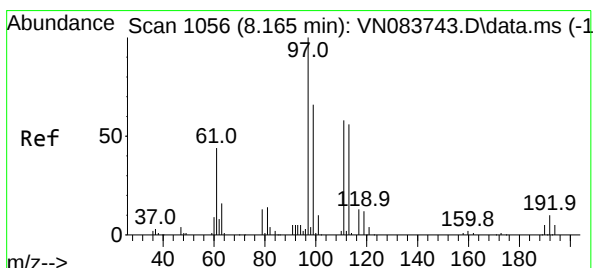
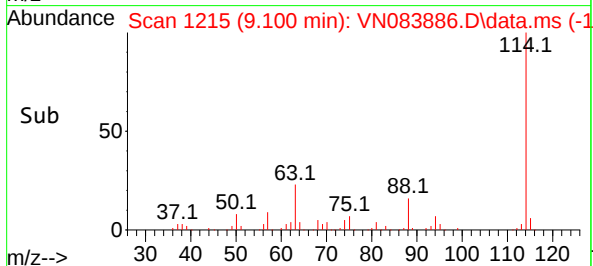
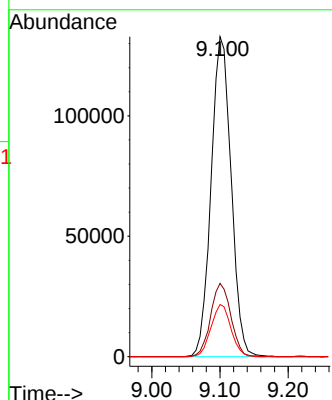
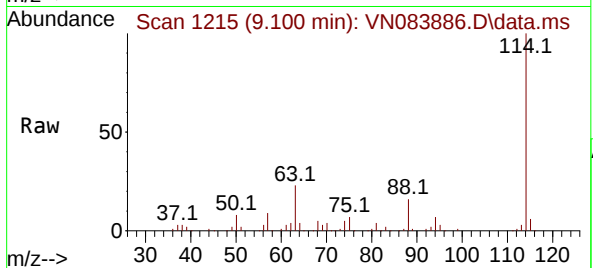
Tgt Ion:114 Resp: 271826

Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.4

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.690 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083886.D

Acq: 14 Sep 2024 13:32

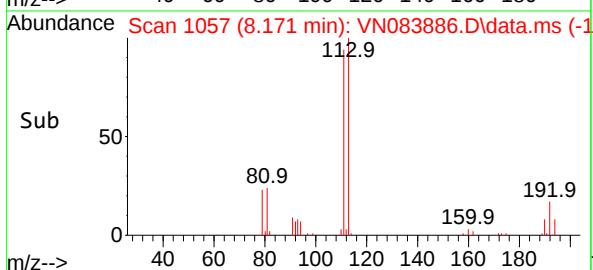
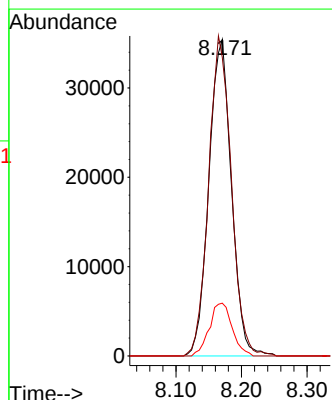
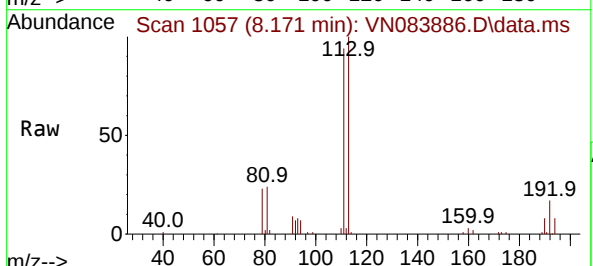
Tgt Ion:113 Resp: 84730

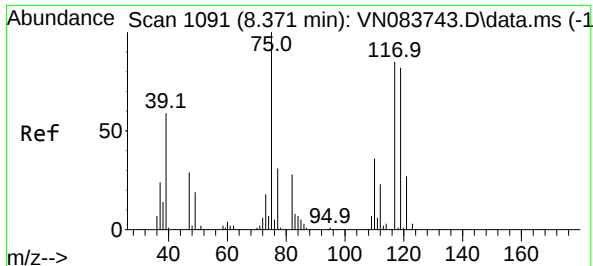
Ion Ratio Lower Upper

113 100

111 101.3 82.6 124.0

192 16.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.683 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083886.D

Acq: 14 Sep 2024 13:32

Instrument :

MSVOA_N

ClientSampleId :

MW179D2-20240910RE

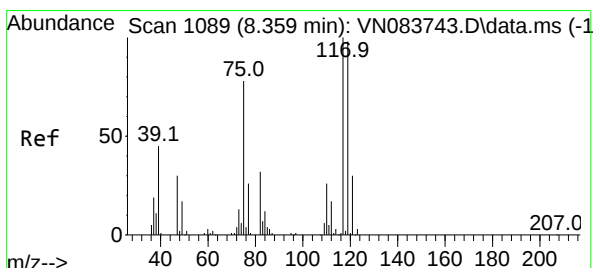
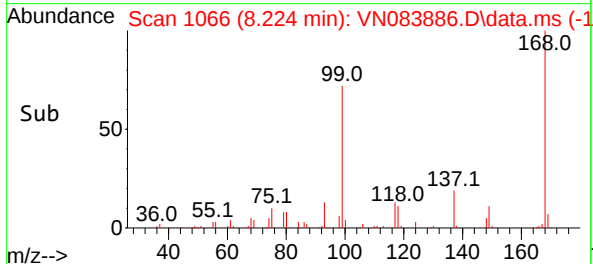
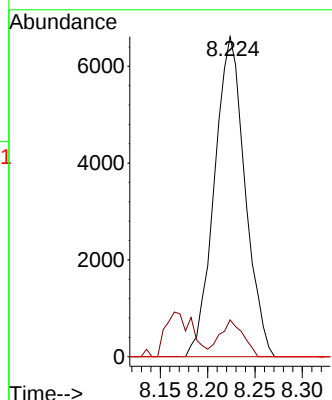
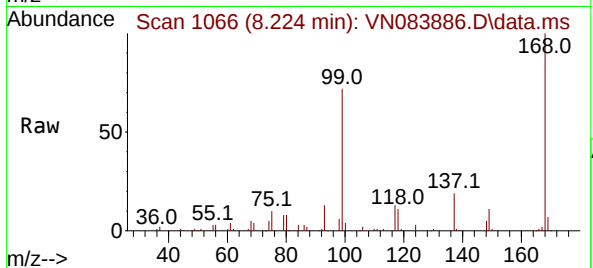
Tgt Ion: 75 Resp: 14885

Ion Ratio Lower Upper

75 100

110 8.7 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 6.084 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083886.D

Acq: 14 Sep 2024 13:32

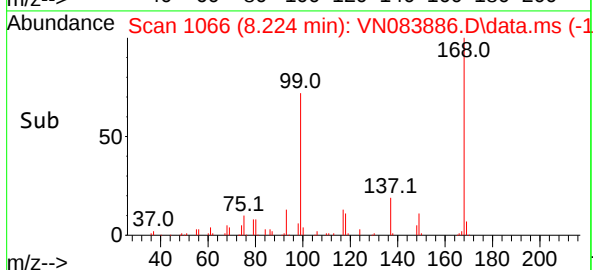
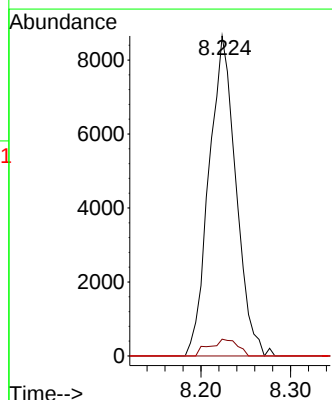
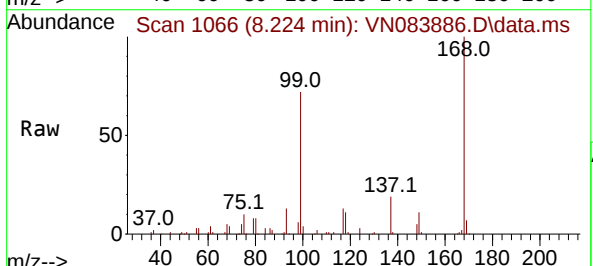
Tgt Ion: 117 Resp: 18079

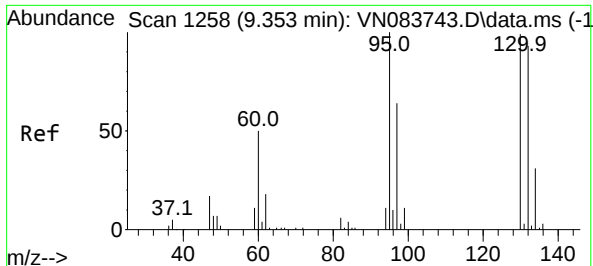
Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 24.1 36.1#

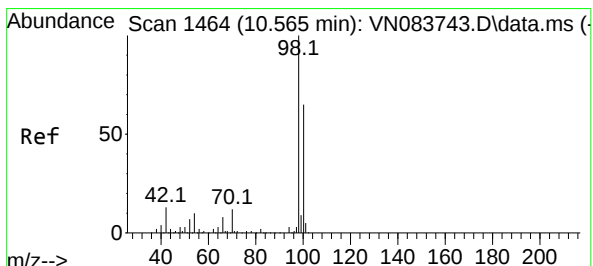
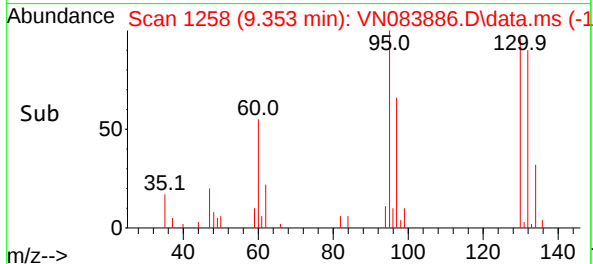
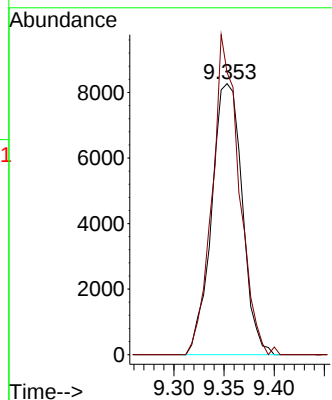
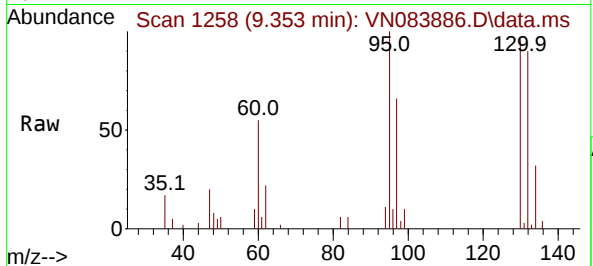




#44
Trichloroethene
Concen: 9.588 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083886.D
Acq: 14 Sep 2024 13:32

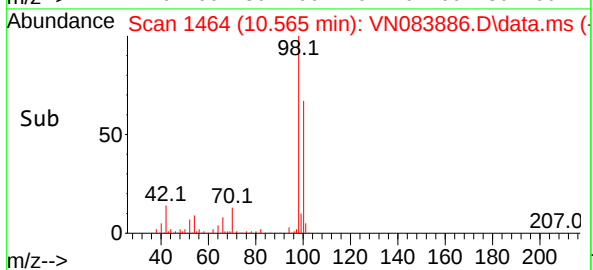
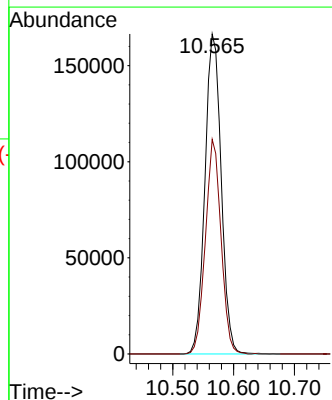
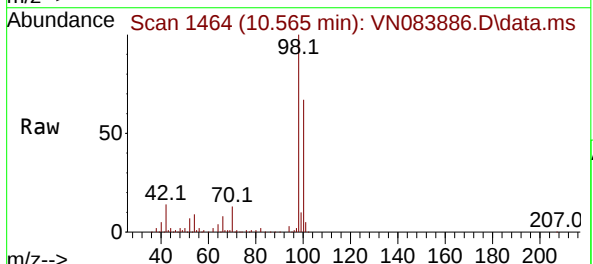
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20240910RE

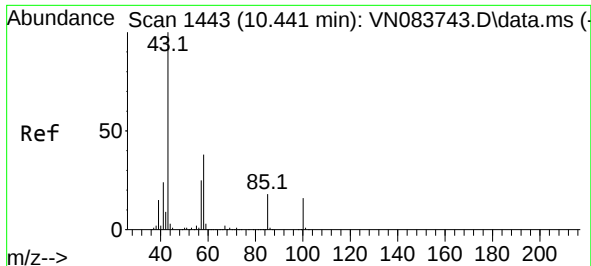
Tgt Ion:130 Resp: 17505
Ion Ratio Lower Upper
130 100
95 104.1 0.0 200.4



#50
Toluene-d8
Concen: 51.199 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083886.D
Acq: 14 Sep 2024 13:32

Tgt Ion: 98 Resp: 308013
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

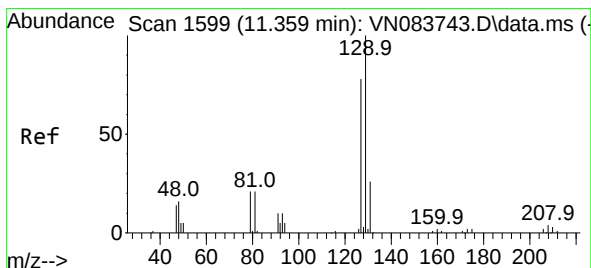
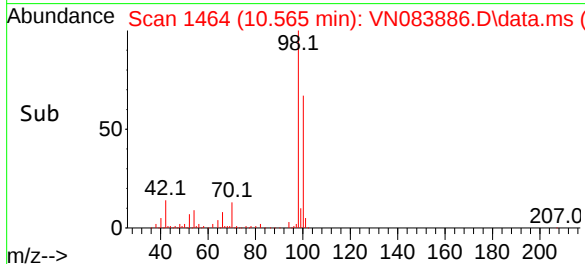
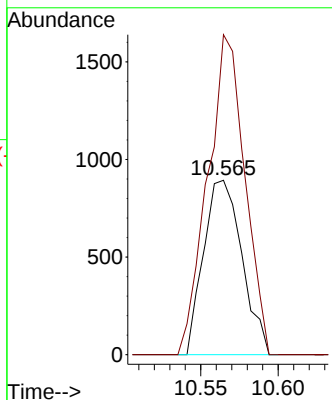
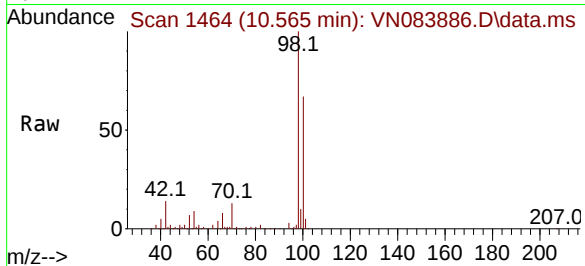




#51
4-Methyl-2-Pentanone
Concen: 0.655 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.123 min
Lab File: VN083886.D
Acq: 14 Sep 2024 13:32

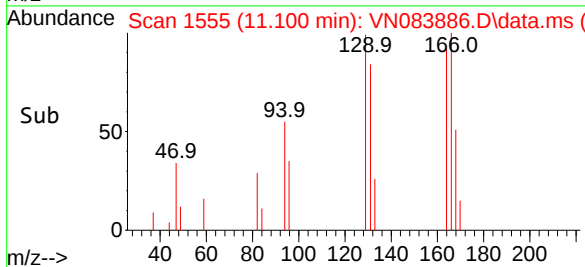
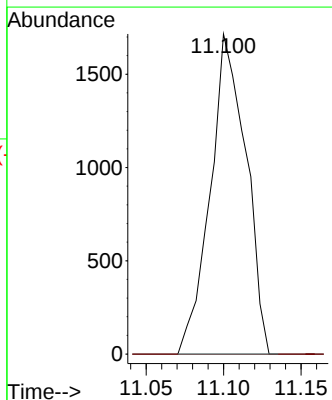
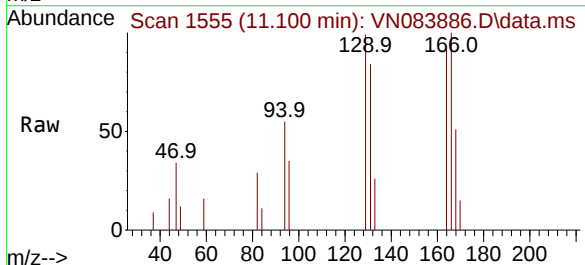
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20240910RE

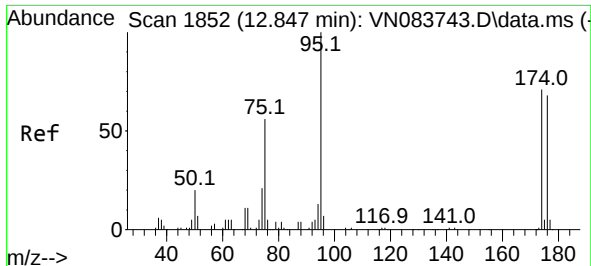
Tgt Ion: 43 Resp: 1536
Ion Ratio Lower Upper
43 100
58 178.3 31.6 47.4#



#60
Dibromochloromethane
Concen: 1.360 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN083886.D
Acq: 14 Sep 2024 13:32

Tgt Ion: 129 Resp: 2741
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

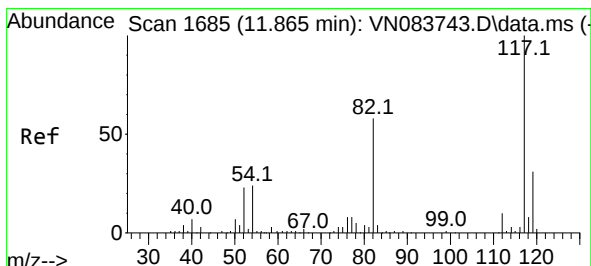
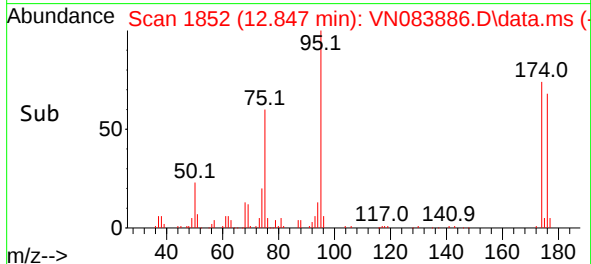
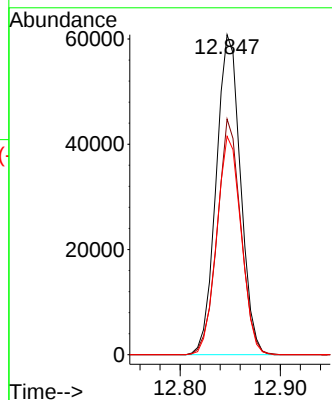
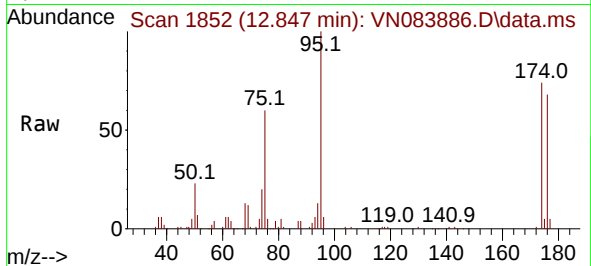




#62
4-Bromofluorobenzene
Concen: 41.251 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083886.D
Acq: 14 Sep 2024 13:32

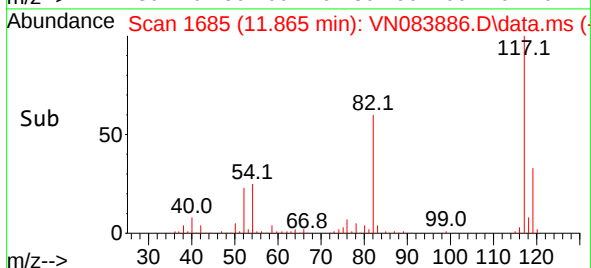
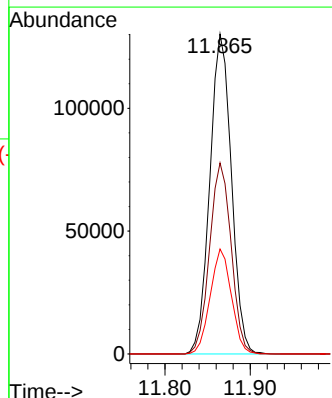
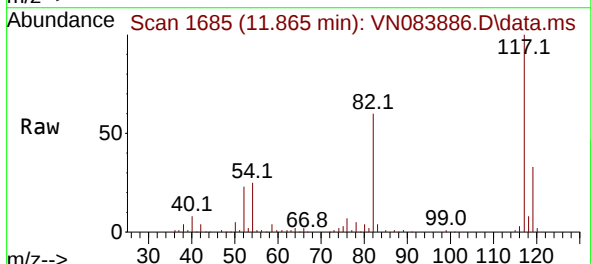
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20240910RE

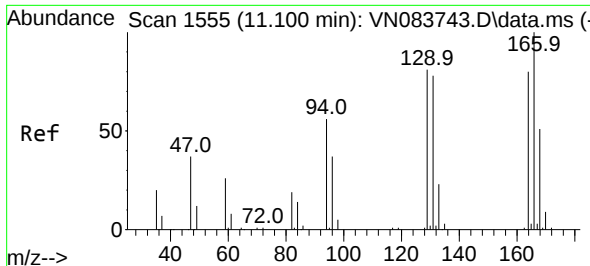
Tgt Ion: 95 Resp: 102387
Ion Ratio Lower Upper
95 100
174 71.4 0.0 139.8
176 68.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083886.D
Acq: 14 Sep 2024 13:32

Tgt Ion: 117 Resp: 228829
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.0
119 32.8 26.3 39.5

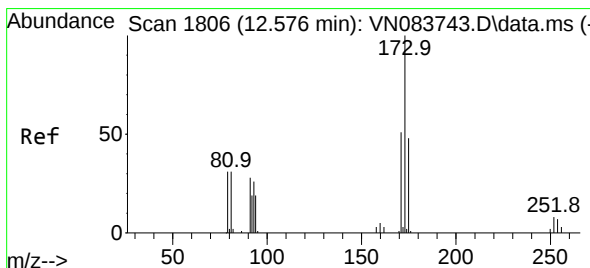
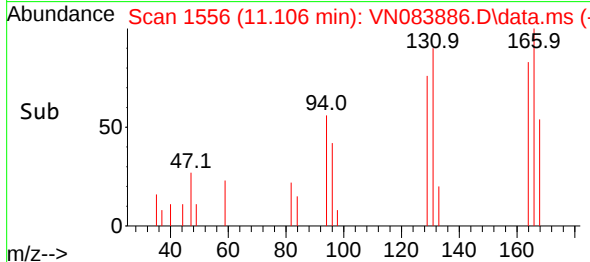
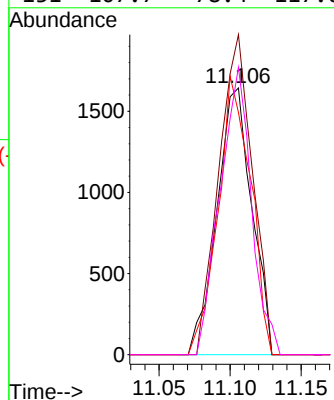
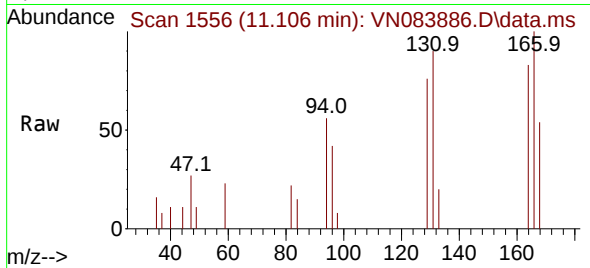




#64
Tetrachloroethene
Concen: 1.850 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083886.D
Acq: 14 Sep 2024 13:32

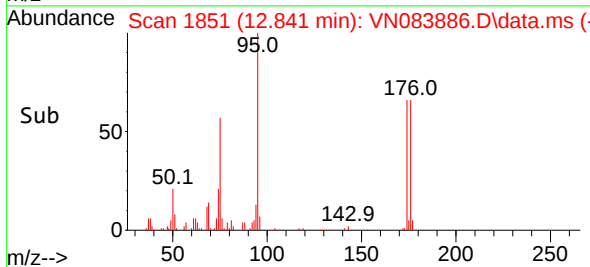
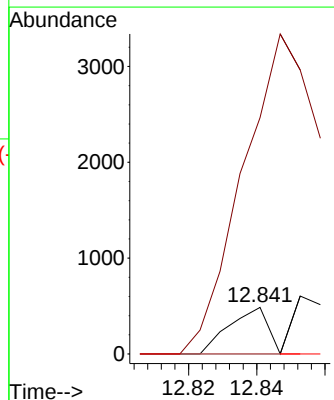
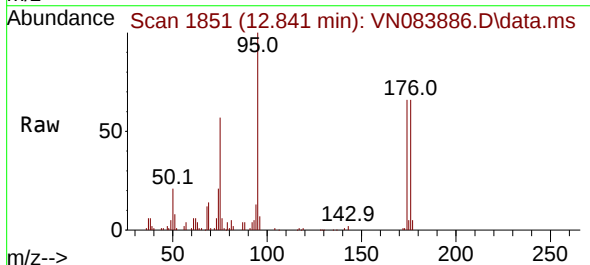
Instrument :
MSVOA_N
ClientSampleId :
MW179D2-20240910RE

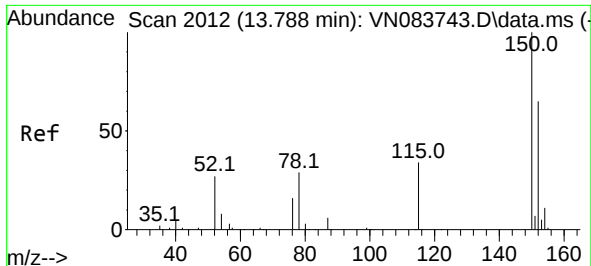
Tgt Ion:164 Resp: 2816
Ion Ratio Lower Upper
164 100
166 120.0 103.7 155.5
129 90.8 79.9 119.9
131 107.7 78.4 117.6



#71
Bromoform
Concen: 0.323 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN083886.D
Acq: 14 Sep 2024 13:32

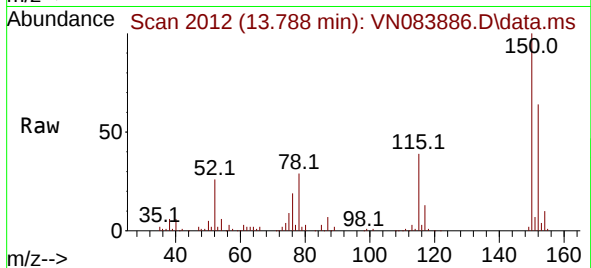
Tgt Ion:173 Resp: 384
Ion Ratio Lower Upper
173 100
175 1081.0 24.1 72.2#
254 0.0 0.0 0.0



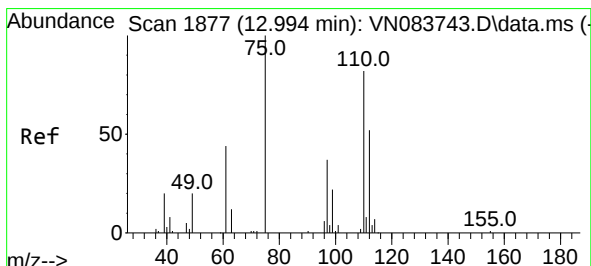
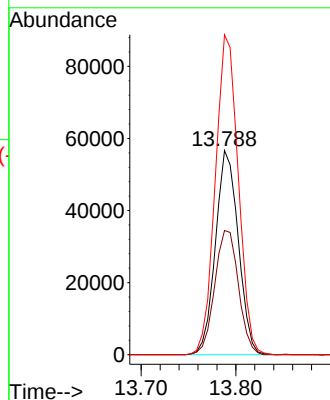
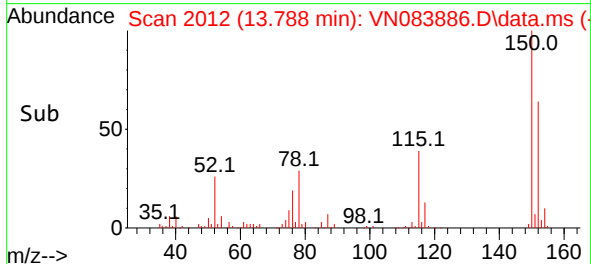


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN083886.D
 Acq: 14 Sep 2024 13:32

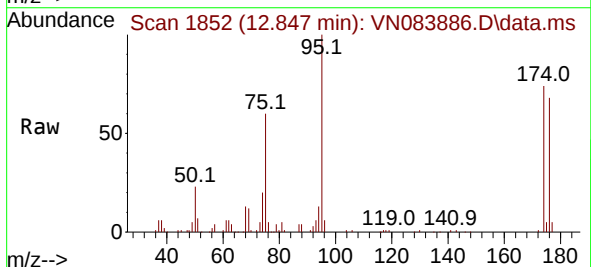
Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D2-20240910RE



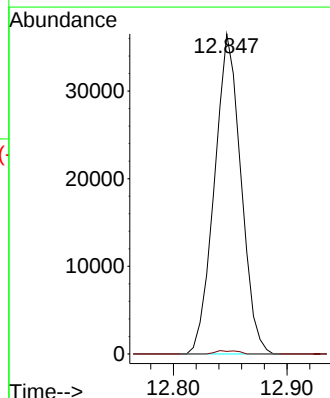
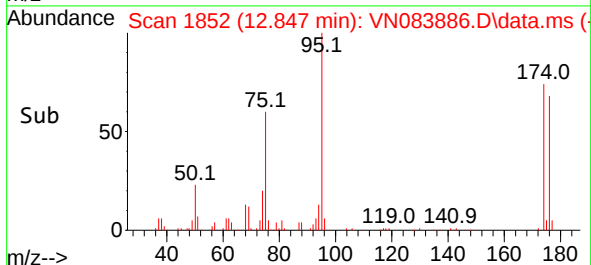
Tgt Ion:152 Resp: 94798
 Ion Ratio Lower Upper
 152 100
 115 63.5 32.2 96.6
 150 157.6 0.0 348.6

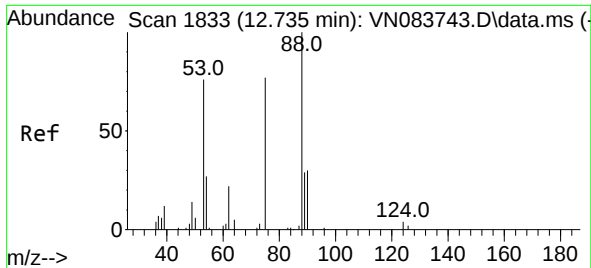


#76
 1,2,3-Trichloropropane
 Concen: 30.970 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083886.D
 Acq: 14 Sep 2024 13:32



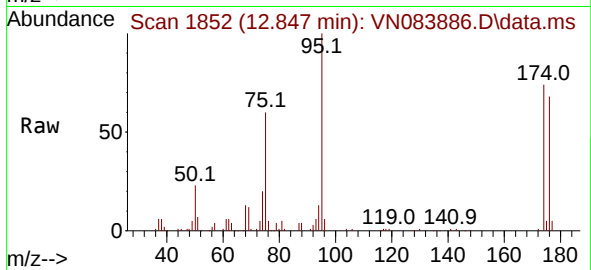
Tgt Ion: 75 Resp: 59241
 Ion Ratio Lower Upper
 75 100
 77 0.8 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.113 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083886.D
 Acq: 14 Sep 2024 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 MW179D2-20240910RE



Tgt Ion: 75 Resp: 59241
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

