

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083889.D
 Acq On : 14 Sep 2024 14:44
 Operator : JC\MD
 Sample : P3957-14RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW201D1-20240910RE

Quant Time: Sep 16 01:35:39 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)

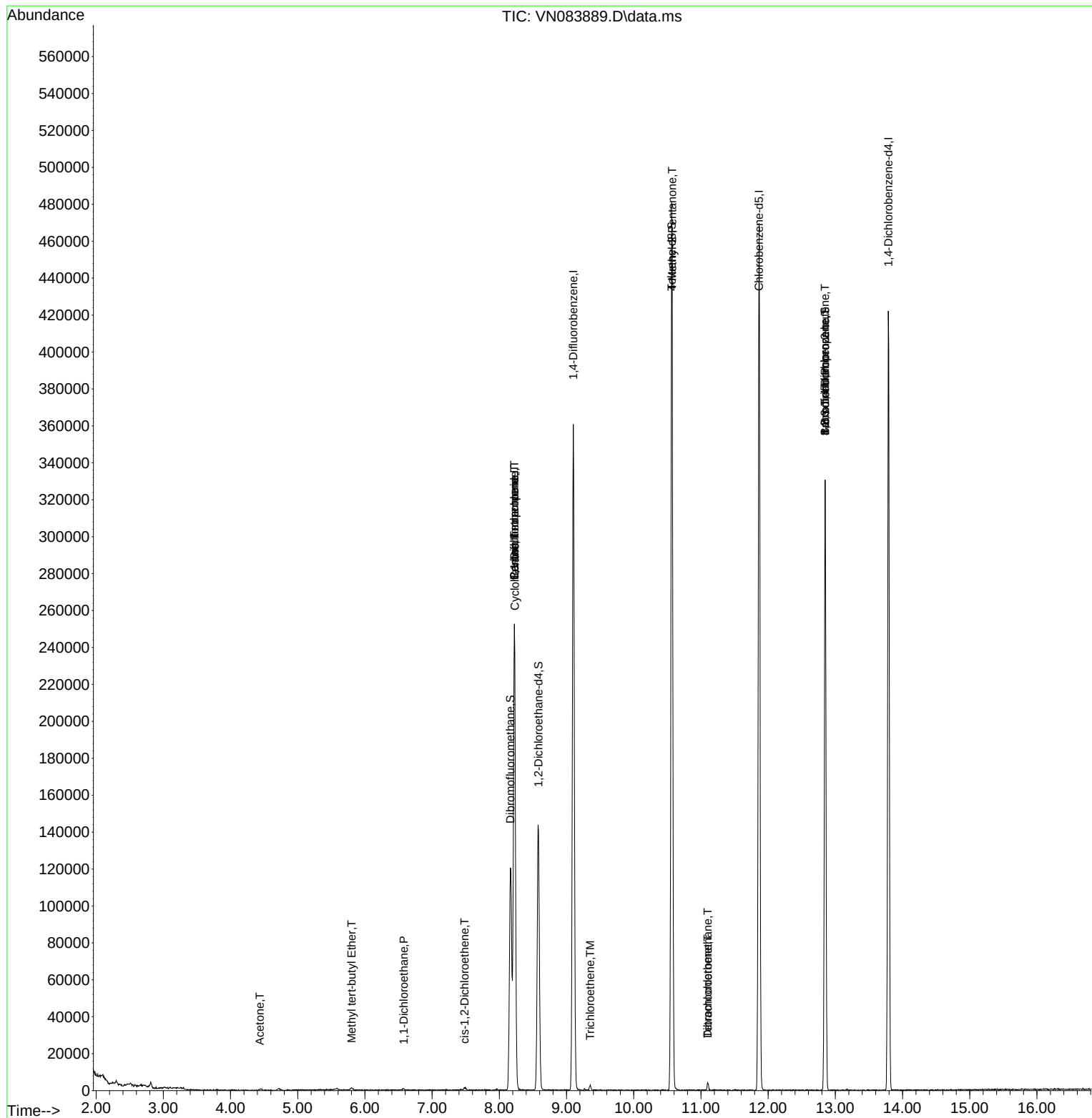
Internal Standards						
1) Pentafluorobenzene	8.224	168	168927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124190	48.756	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.520%
35) Dibromofluoromethane	8.165	113	87214	46.806	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.620%
50) Toluene-d8	10.565	98	320736	49.791	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.580%
62) 4-Bromofluorobenzene	12.847	95	109138	41.066	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	82.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	234	Below Cal	#	41
16) Acetone	4.436	43	554	0.543	ug/l #	45
19) Methyl tert-butyl Ether	5.800	73	1685	0.255	ug/l	95
24) 1,1-Dichloroethane	6.577	63	1218	0.315	ug/l #	82
27) cis-1,2-Dichloroethene	7.483	96	520	0.224	ug/l	45
31) Cyclohexane	8.230	56	4617	1.254	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	16705	5.956	ug/l #	52
38) Carbon Tetrachloride	8.224	117	20043	6.299	ug/l #	16
44) Trichloroethene	9.353	130	952	0.487	ug/l	88
51) 4-Methyl-2-Pentanone	10.571	43	1617	0.644	ug/l #	1
60) Dibromochloromethane	11.100	129	833	0.386	ug/l #	10
64) Tetrachloroethene	11.100	164	893	0.538	ug/l #	83
71) Bromoform	12.847	173	532	0.411	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	62253	29.254	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62253	76.619	ug/l #	9

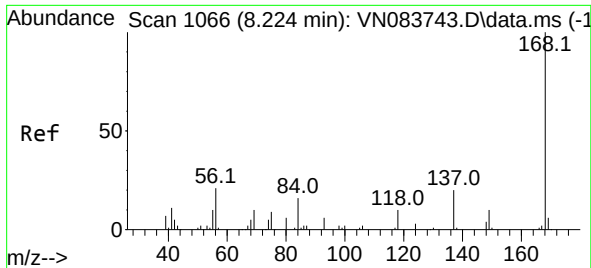
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
MW201D1-20240910RE

Quant Time: Sep 16 01:35:39 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

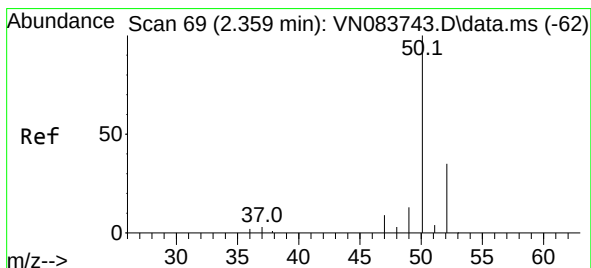
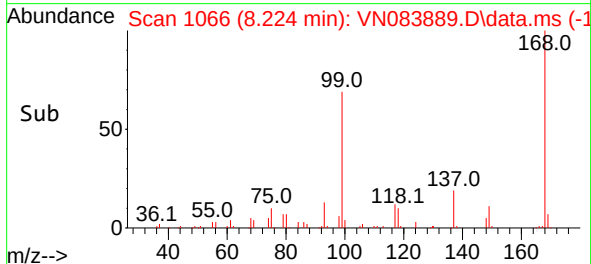
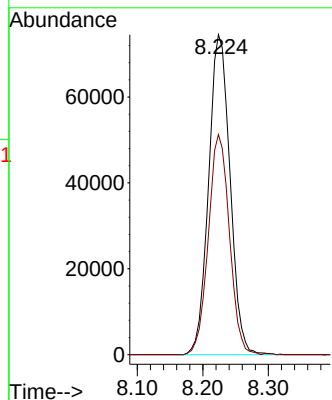
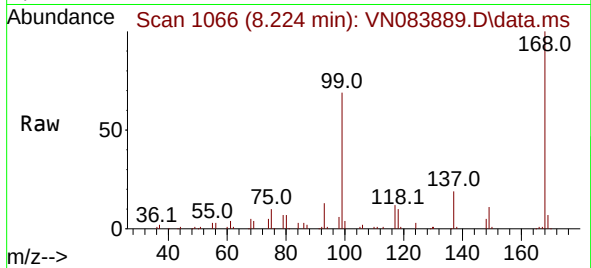




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083889.D
Acq: 14 Sep 2024 14:44

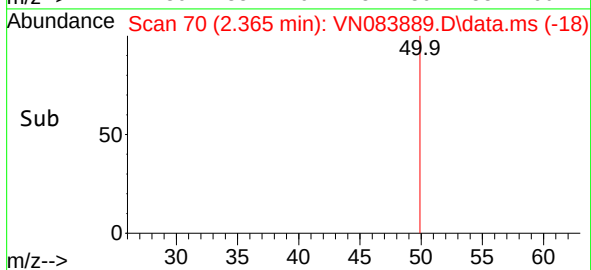
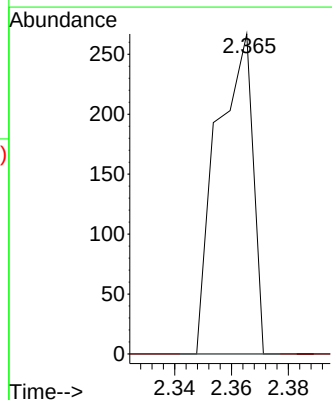
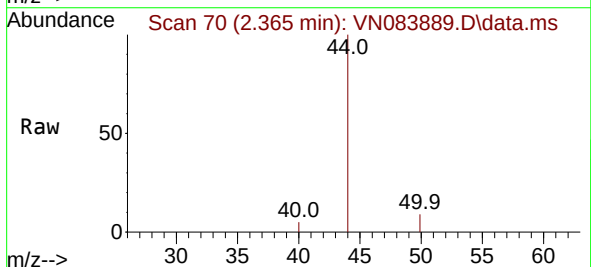
Instrument :
MSVOA_N
ClientSampleId :
MW201D1-20240910RE

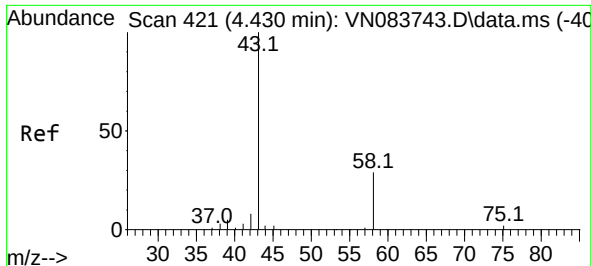
Tgt Ion:168 Resp: 168927
Ion Ratio Lower Upper
168 100
99 68.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083889.D
Acq: 14 Sep 2024 14:44

Tgt Ion: 50 Resp: 234
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#16

Acetone

Concen: 0.543 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :

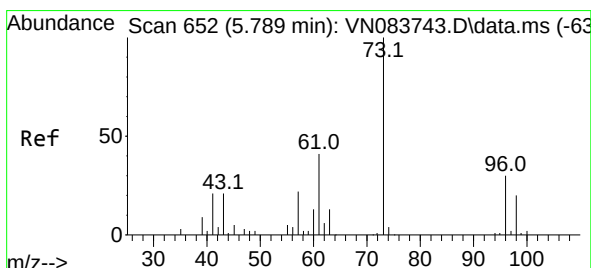
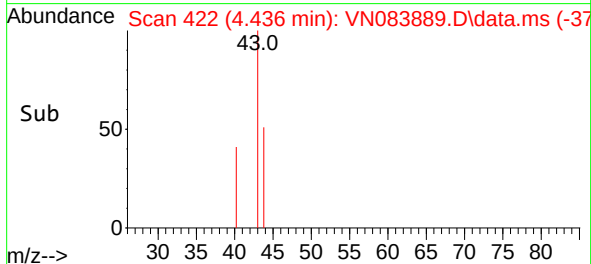
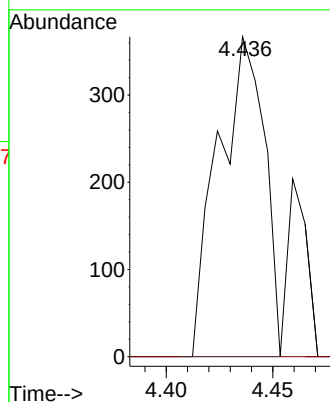
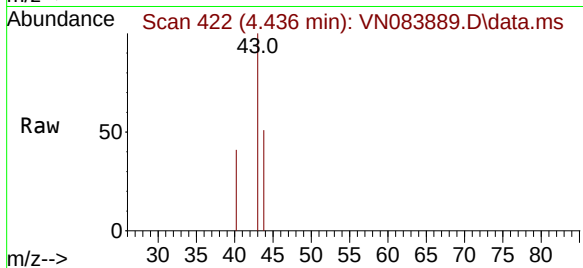
MW201D1-20240910RE

Tgt Ion: 43 Resp: 554

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#19

Methyl tert-butyl Ether

Concen: 0.255 ug/l

RT: 5.800 min Scan# 654

Delta R.T. 0.012 min

Lab File: VN083889.D

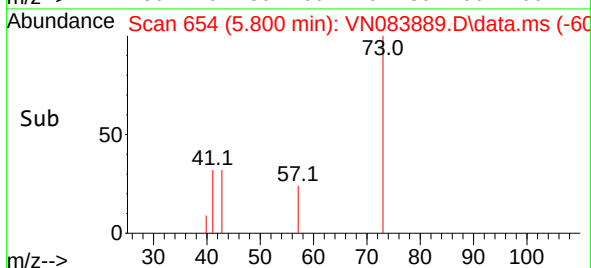
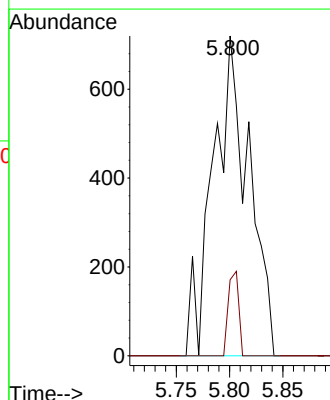
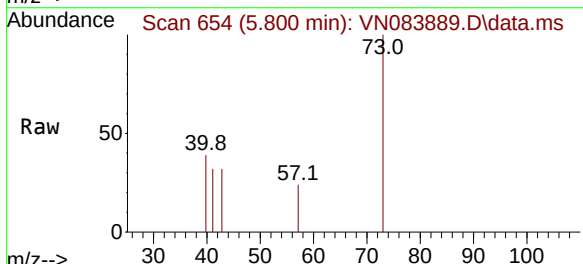
Acq: 14 Sep 2024 14:44

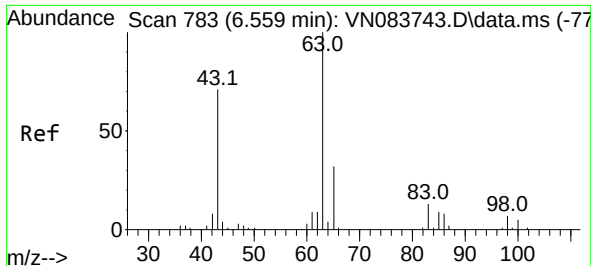
Tgt Ion: 73 Resp: 1685

Ion Ratio Lower Upper

73 100

57 23.8 17.0 25.6





#24

1,1-Dichloroethane

Concen: 0.315 ug/l

RT: 6.577 min Scan# 786

Delta R.T. 0.018 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW201D1-20240910RE

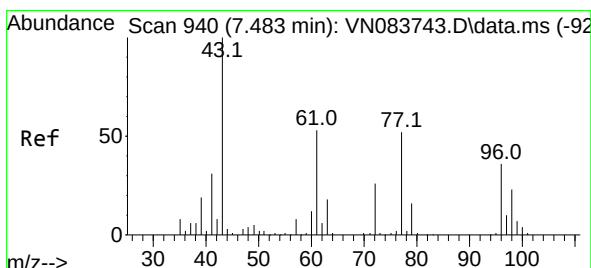
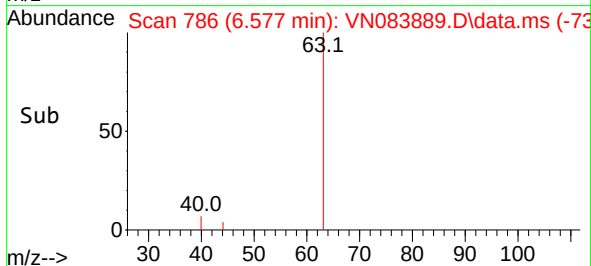
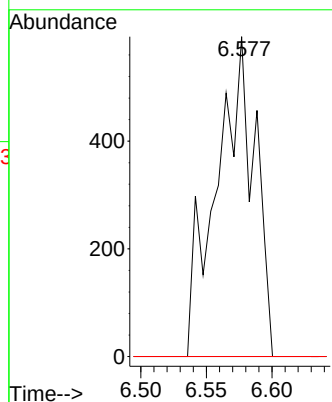
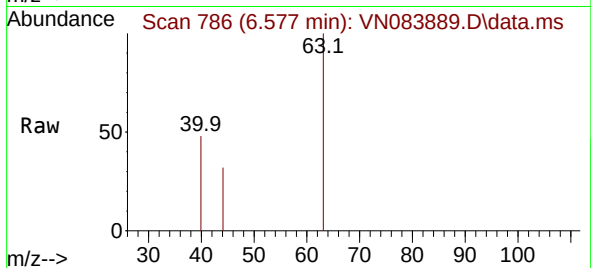
Tgt Ion: 63 Resp: 1218

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: 0.224 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.000 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

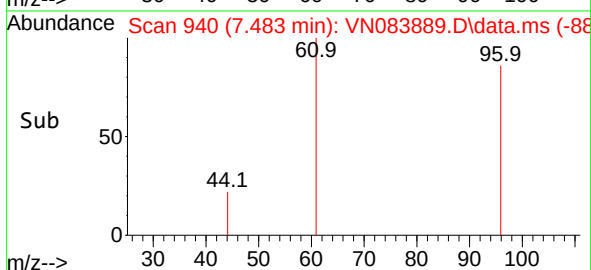
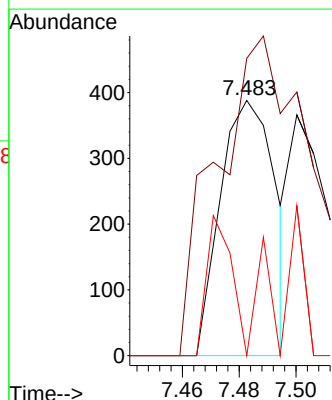
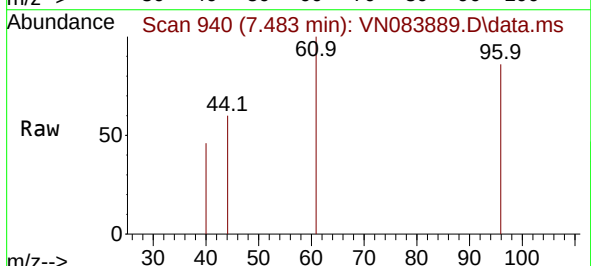
Tgt Ion: 96 Resp: 520

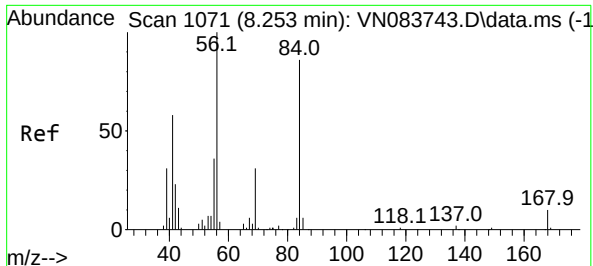
Ion Ratio Lower Upper

96 100

61 218.3 0.0 306.2

98 12.3 0.0 128.6





#31

Cyclohexane

Concen: 1.254 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.023 min

Lab File: VN083889.D

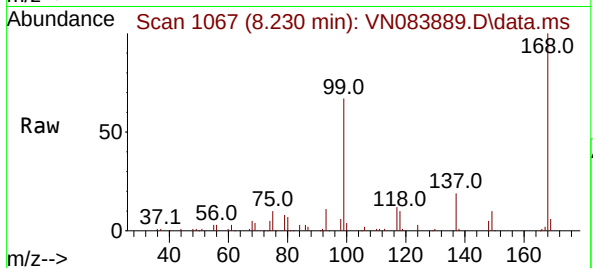
Acq: 14 Sep 2024 14:44

Instrument :

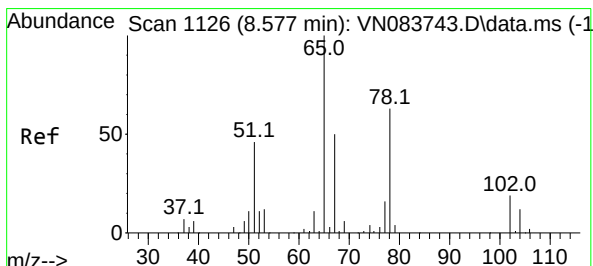
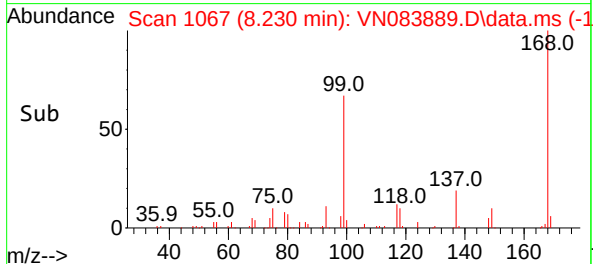
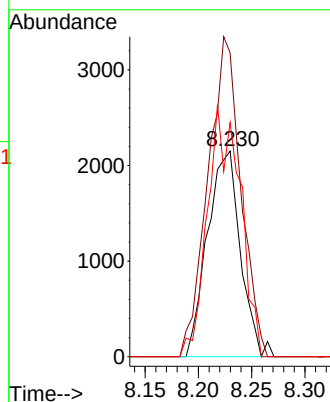
MSVOA_N

ClientSampleId :

MW201D1-20240910RE



Tgt Ion:	56	Resp:	4617
Ion Ratio	Lower	Upper	
56	100		
69	147.7	26.9	40.3#
84	113.9	69.2	103.8#



#33

1,2-Dichloroethane-d4

Concen: 48.756 ug/l

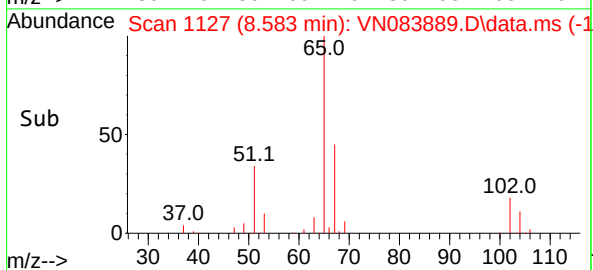
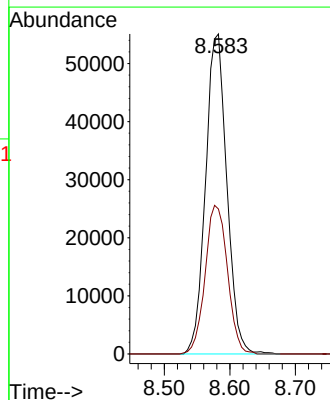
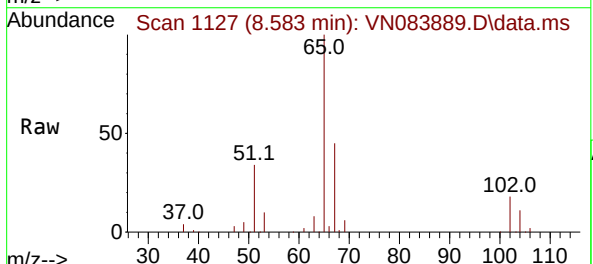
RT: 8.583 min Scan# 1127

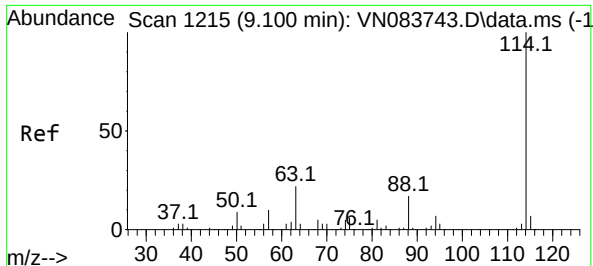
Delta R.T. 0.006 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

Tgt Ion:	65	Resp:	124190
Ion Ratio	Lower	Upper	
65	100		
67	48.8	0.0	100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW201D1-20240910RE

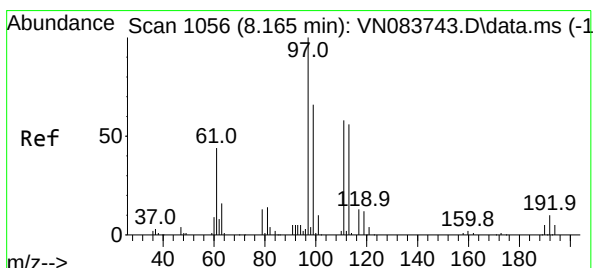
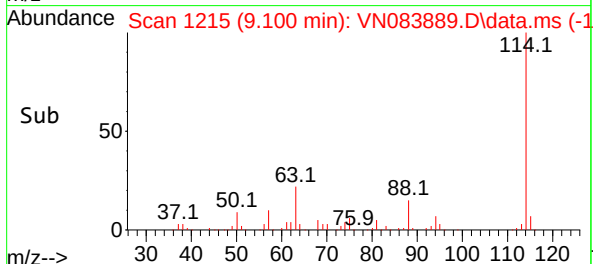
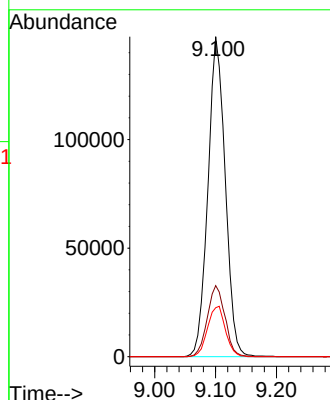
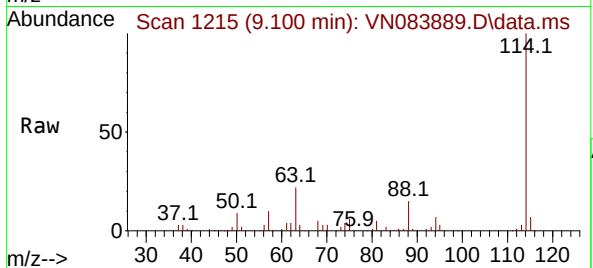
Tgt Ion:114 Resp: 291059

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 15.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.806 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

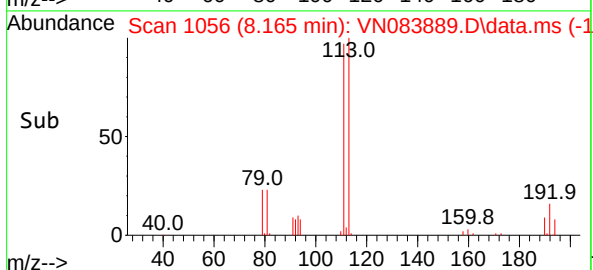
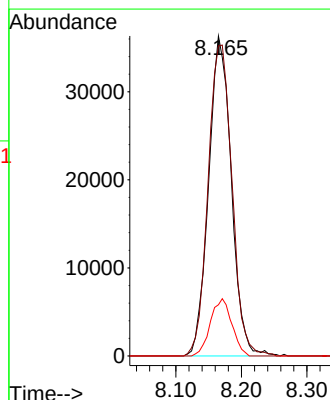
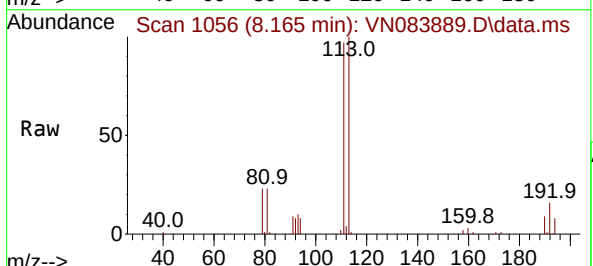
Tgt Ion:113 Resp: 87214

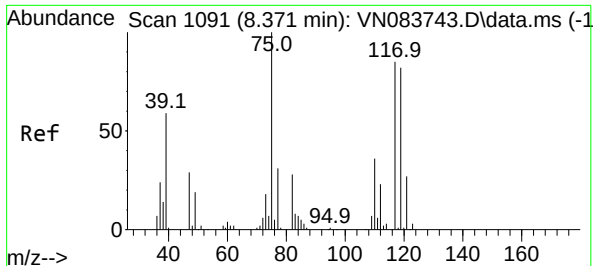
Ion Ratio Lower Upper

113 100

111 102.4 82.6 124.0

192 16.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.956 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW201D1-20240910RE

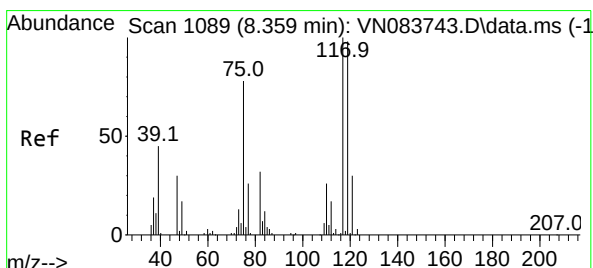
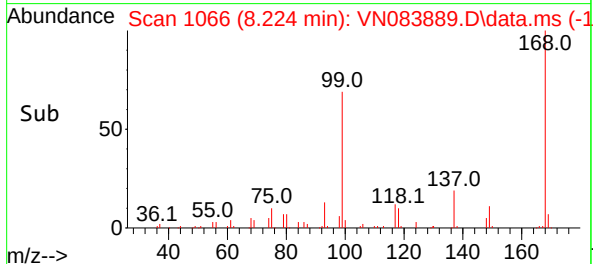
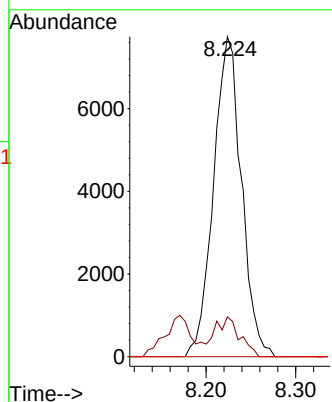
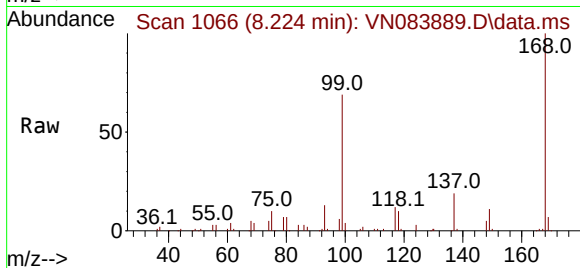
Tgt Ion: 75 Resp: 16705

Ion Ratio Lower Upper

75 100

110 10.8 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 6.299 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

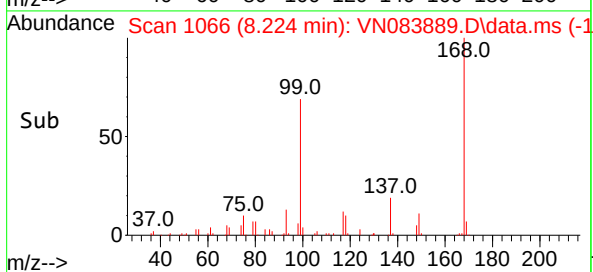
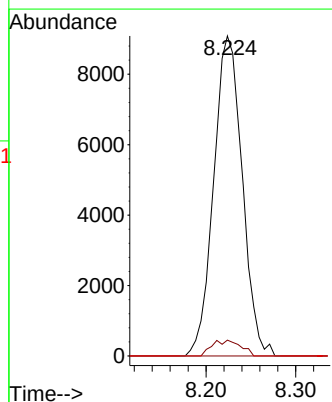
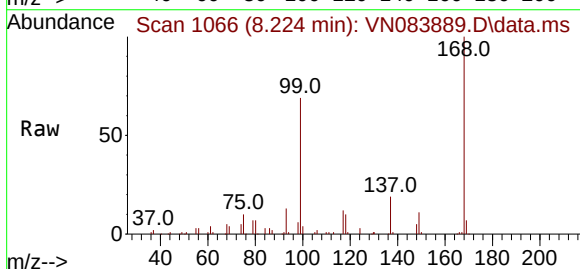
Tgt Ion: 117 Resp: 20043

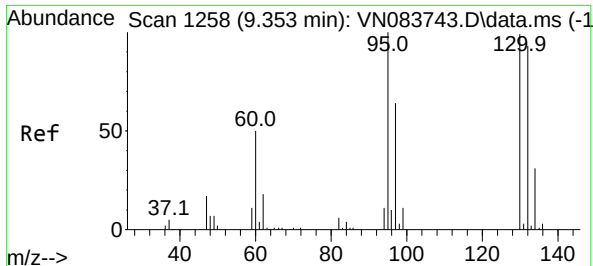
Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

121 0.0 24.1 36.1#

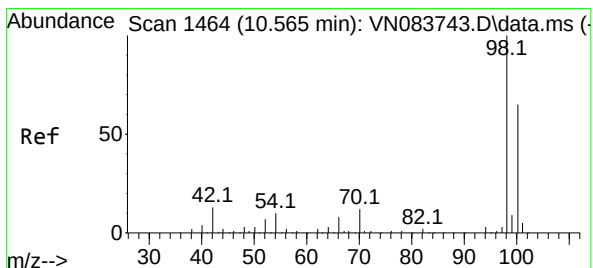
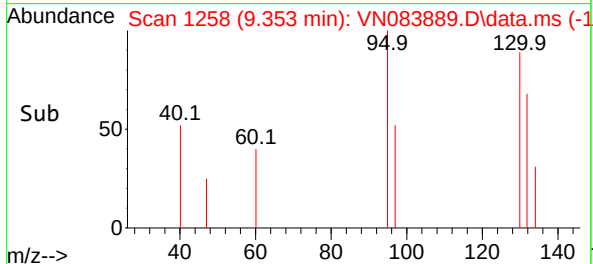
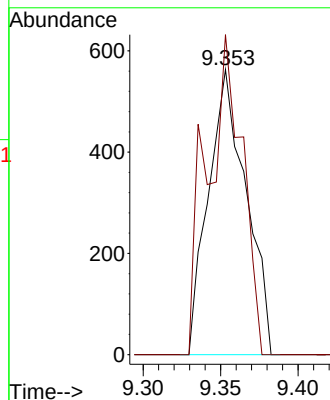
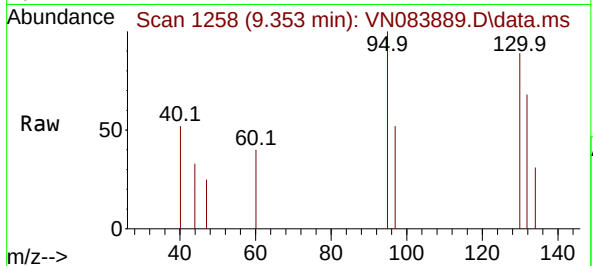




#44
Trichloroethene
Concen: 0.487 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083889.D
Acq: 14 Sep 2024 14:44

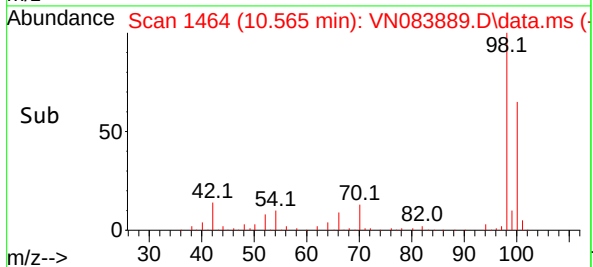
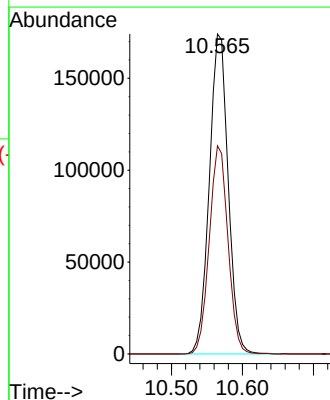
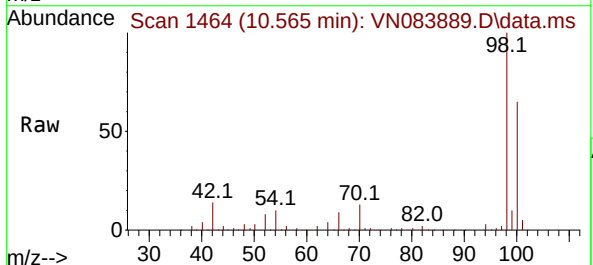
Instrument :
MSVOA_N
ClientSampleId :
MW201D1-20240910RE

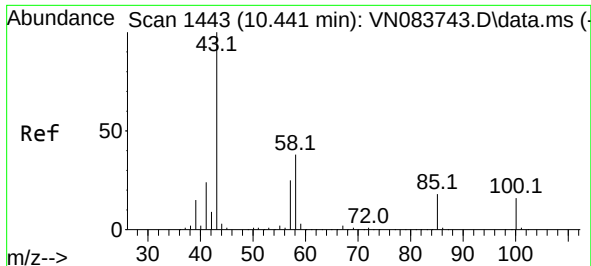
Tgt Ion:130 Resp: 952
Ion Ratio Lower Upper
130 100
95 112.3 0.0 200.4



#50
Toluene-d8
Concen: 49.791 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083889.D
Acq: 14 Sep 2024 14:44

Tgt Ion: 98 Resp: 320736
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.644 ug/l

RT: 10.571 min Scan# 14

Delta R.T. 0.129 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :

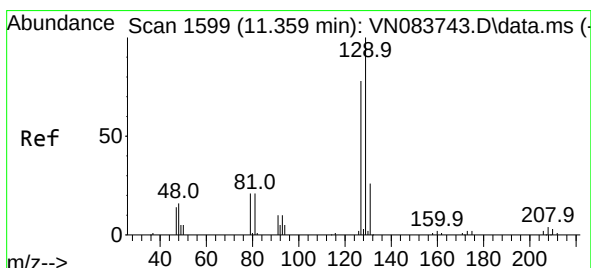
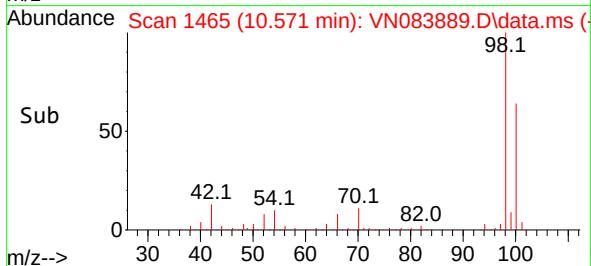
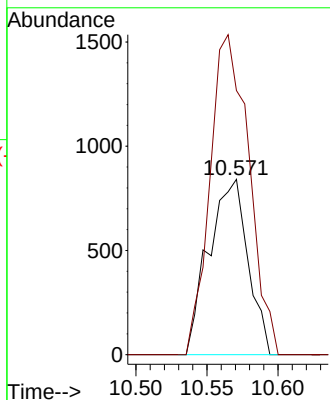
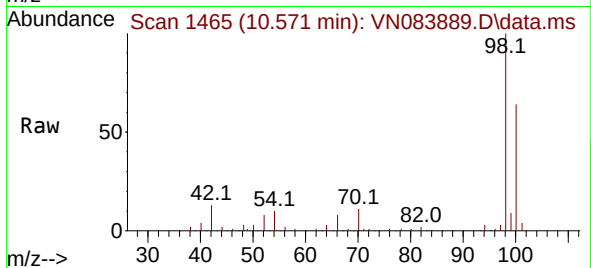
MW201D1-20240910RE

Tgt Ion: 43 Resp: 1617

Ion Ratio Lower Upper

43 100

58 180.8 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.386 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN083889.D

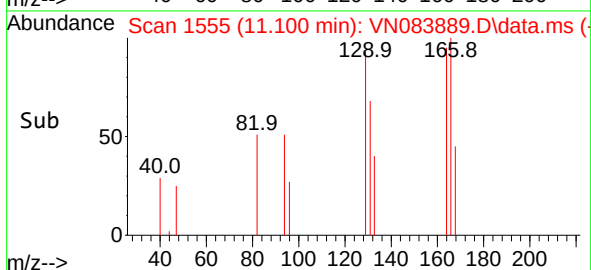
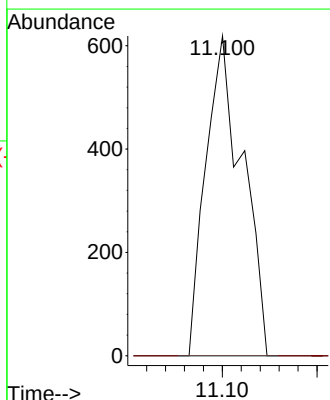
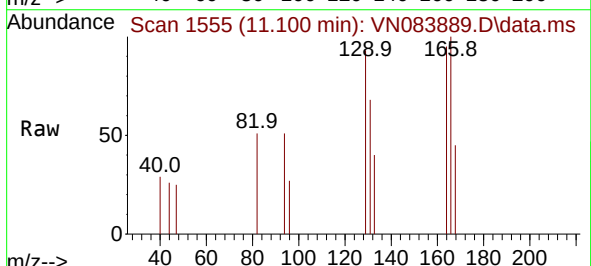
Acq: 14 Sep 2024 14:44

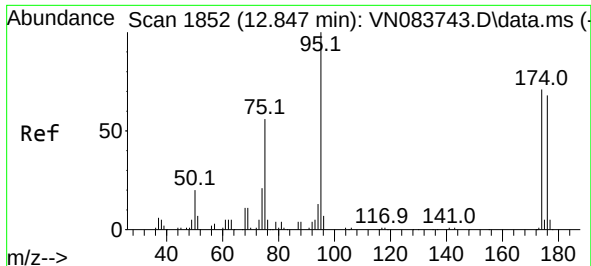
Tgt Ion: 129 Resp: 833

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

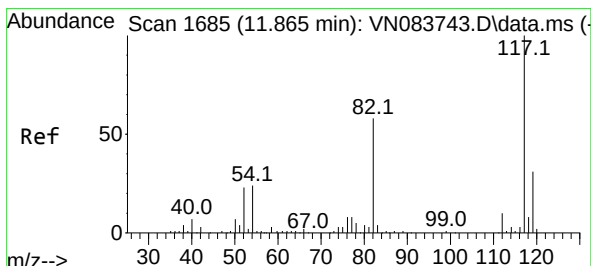
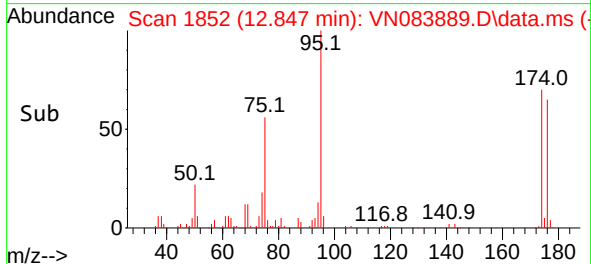
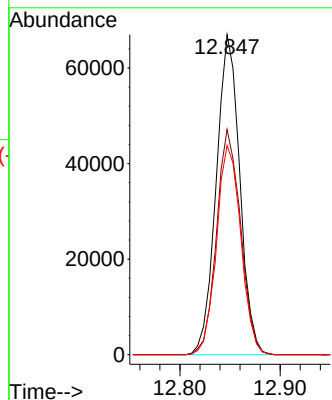
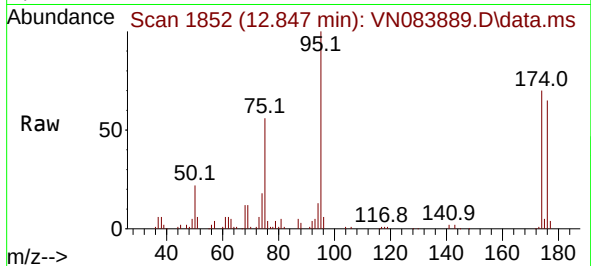




#62
4-Bromofluorobenzene
Concen: 41.066 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083889.D
Acq: 14 Sep 2024 14:44

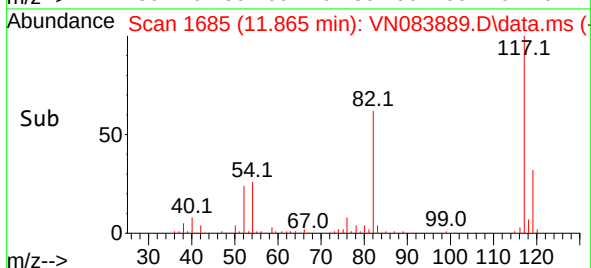
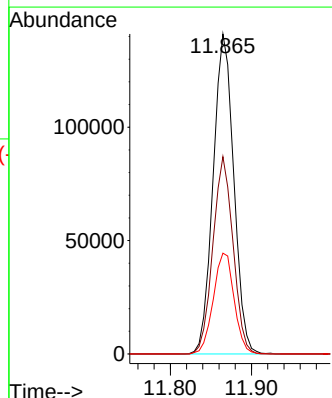
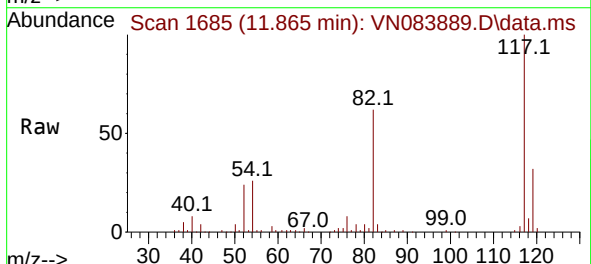
Instrument :
MSVOA_N
ClientSampleId :
MW201D1-20240910RE

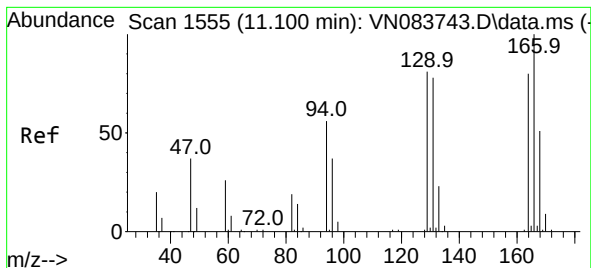
Tgt Ion: 95 Resp: 109138
Ion Ratio Lower Upper
95 100
174 72.0 0.0 139.8
176 67.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083889.D
Acq: 14 Sep 2024 14:44

Tgt Ion: 117 Resp: 249385
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.0
119 31.5 26.3 39.5





#64

Tetrachloroethene

Concen: 0.538 ug/l

RT: 11.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083889.D

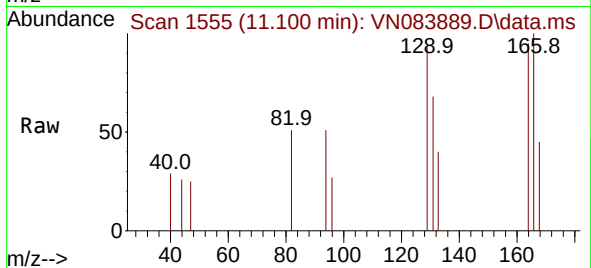
Acq: 14 Sep 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW201D1-20240910RE



Tgt Ion:164 Resp: 893

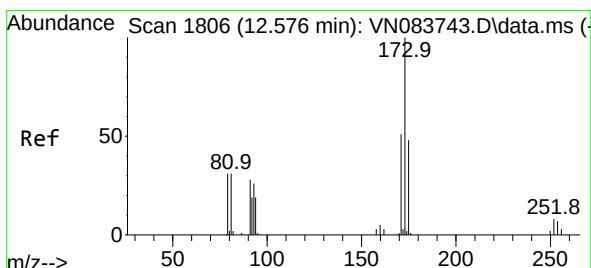
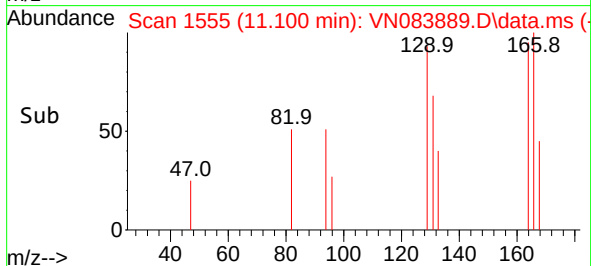
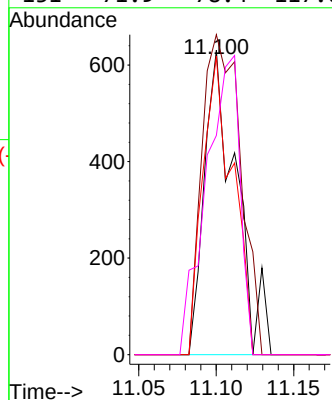
Ion Ratio Lower Upper

164 100

166 105.1 103.7 155.5

129 98.1 79.9 119.9

131 71.9 78.4 117.6#



#71

Bromoform

Concen: 0.411 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

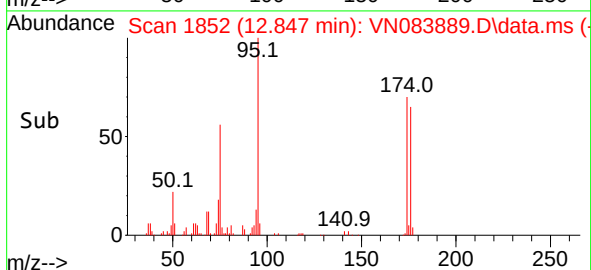
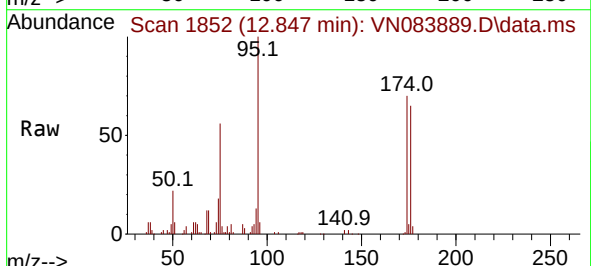
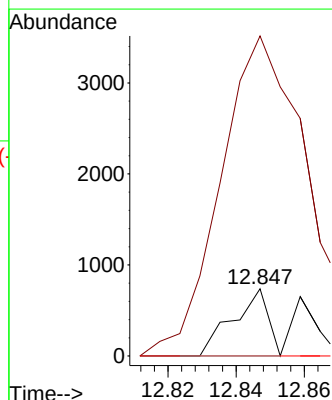
Tgt Ion:173 Resp: 532

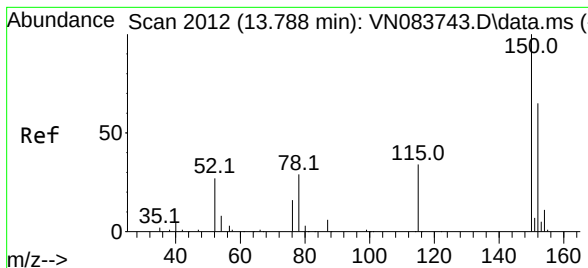
Ion Ratio Lower Upper

173 100

175 841.7 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# 20

Delta R.T. 0.000 min

Lab File: VN083889.D

Acq: 14 Sep 2024 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW201D1-20240910RE

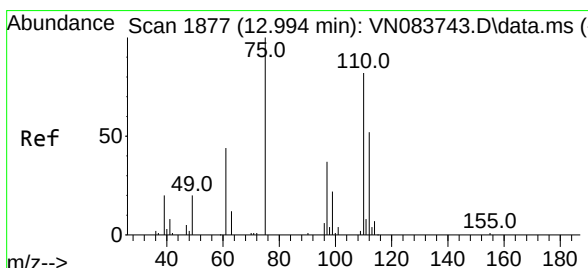
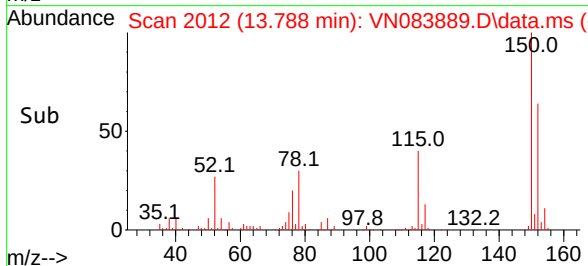
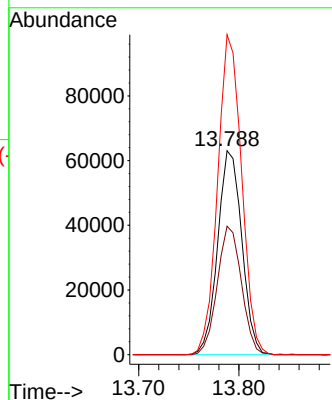
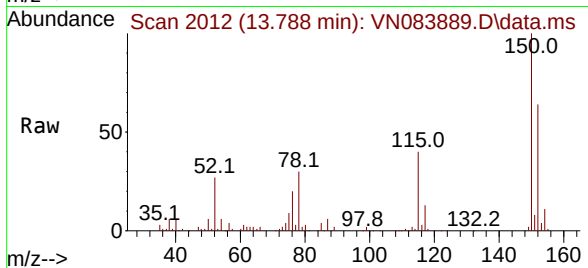
Tgt Ion:152 Resp: 105461

Ion Ratio Lower Upper

152 100

115 63.0 32.2 96.6

150 156.0 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 29.254 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083889.D

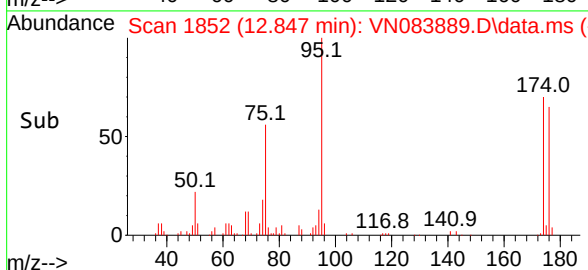
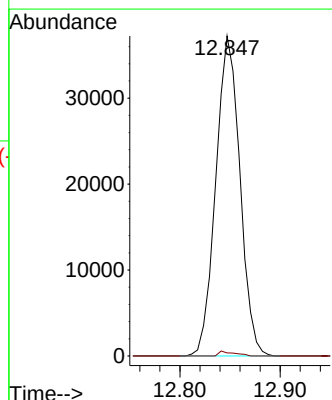
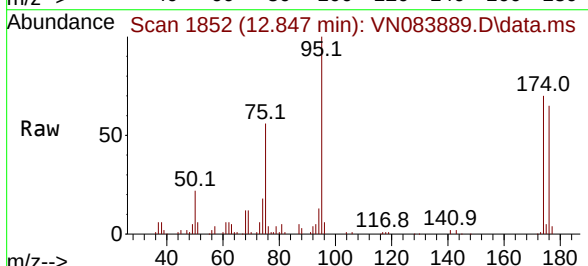
Acq: 14 Sep 2024 14:44

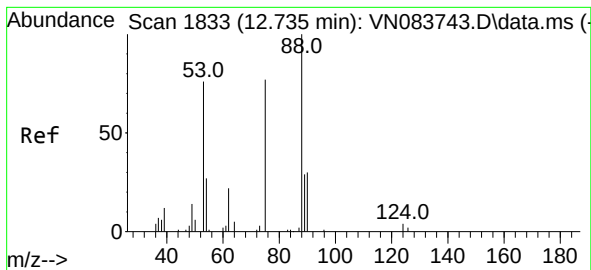
Tgt Ion: 75 Resp: 62253

Ion Ratio Lower Upper

75 100

77 1.0 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 76.619 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083889.D
Acq: 14 Sep 2024 14:44

Instrument :
MSVOA_N
ClientSampleId :
MW201D1-20240910RE

Tgt Ion: 75 Resp: 62253
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

