

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084039.D
 Acq On : 19 Sep 2024 17:16
 Operator : JC\MD
 Sample : P4003-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW17811-20240911

Quant Time: Sep 20 01:33:59 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)

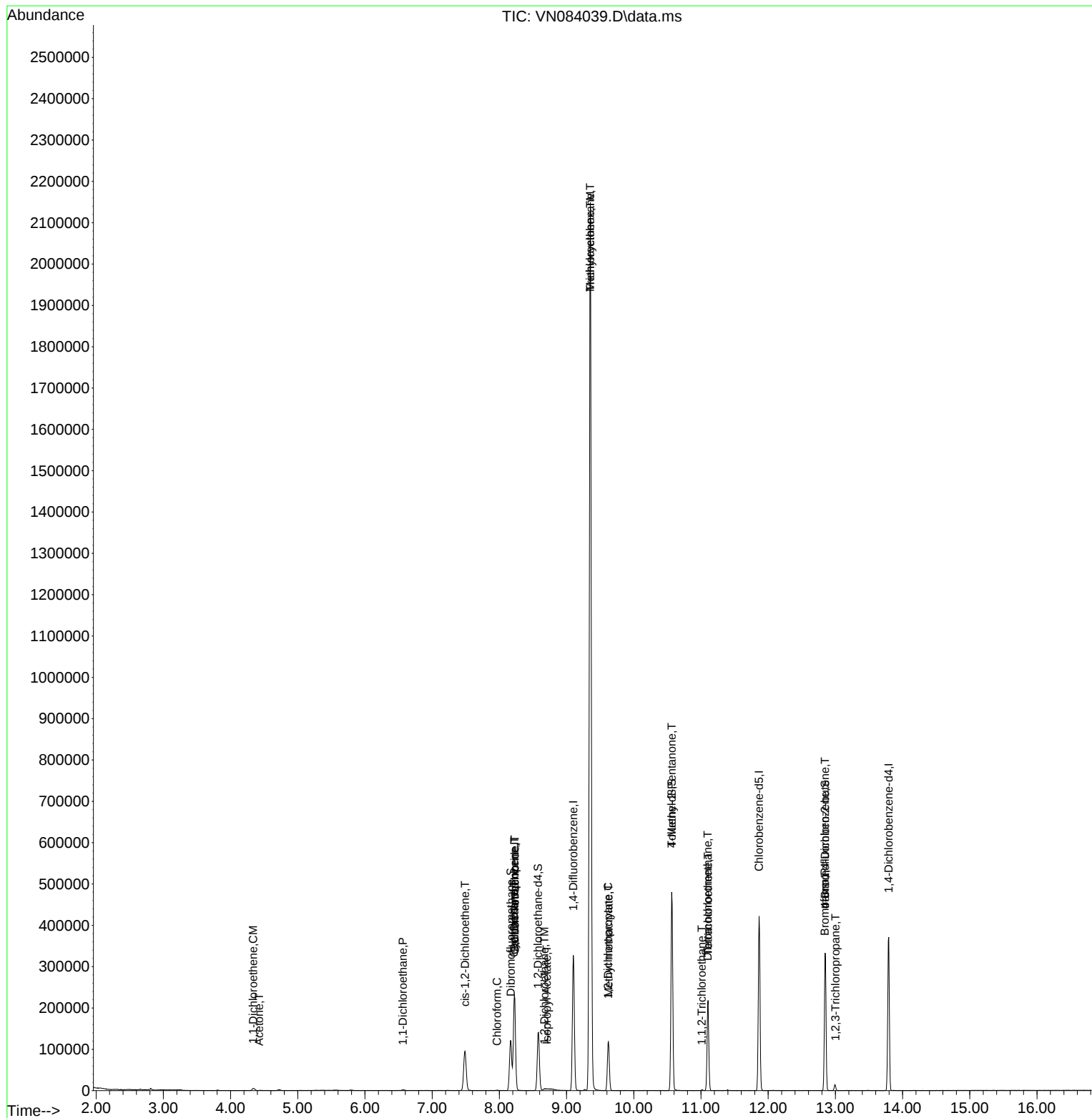
Internal Standards						
1) Pentafluorobenzene	8.224	168	159311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	269520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	225828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	121354	50.518	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.040%		
35) Dibromofluoromethane	8.171	113	85233	49.398	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.800%		
50) Toluene-d8	10.565	98	321363	53.876	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 107.760%		
62) 4-Bromofluorobenzene	12.847	95	113630	46.173	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 92.340%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	587	Below Cal	#	41
12) 1,1-Dichloroethene	4.336	96	3119	1.810	ug/l #	84
16) Acetone	4.424	43	262	0.272	ug/l #	45
18) Methyl Acetate	5.030	43	92	Below Cal	#	52
24) 1,1-Dichloroethane	6.565	63	3241	0.890	ug/l #	82
27) cis-1,2-Dichloroethene	7.488	96	56399	25.728	ug/l	91
30) Chloroform	7.965	83	893	0.231	ug/l	94
31) Cyclohexane	8.218	56	4228	1.218	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	15275	5.882	ug/l #	50
38) Carbon Tetrachloride	8.229	117	18409	6.248	ug/l #	16
39) Methylcyclohexane	9.353	83	9982	3.377	ug/l #	1
42) 1,2-Dichloroethane	8.671	62	1009	0.345	ug/l #	77
43) Isopropyl Acetate	8.706	43	5092	1.192	ug/l #	57
44) Trichloroethene	9.353	130	712835	393.800	ug/l	92
45) 1,2-Dichloropropane	9.618	63	44996	23.817	ug/l	95
48) Methyl methacrylate	9.623	41	29263	14.439	ug/l #	37
51) 4-Methyl-2-Pentanone	10.565	43	1675	0.720	ug/l #	1
55) 1,1,2-Trichloroethane	11.012	97	610	0.342	ug/l #	89
60) Dibromochloromethane	11.100	129	45736	22.895	ug/l #	10
64) Tetrachloroethene	11.106	164	45025	29.981	ug/l	98
71) Bromoform	12.841	173	284	0.242	ug/l #	1
76) 1,2,3-Trichloropropane	13.000	75	5864	3.183	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66200	94.125	ug/l #	9

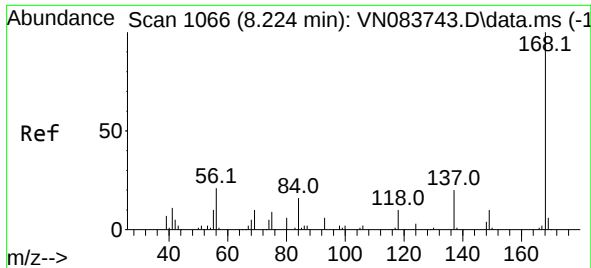
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

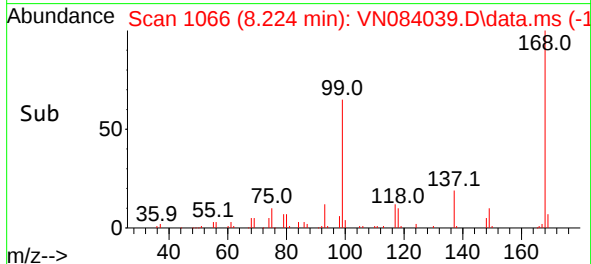
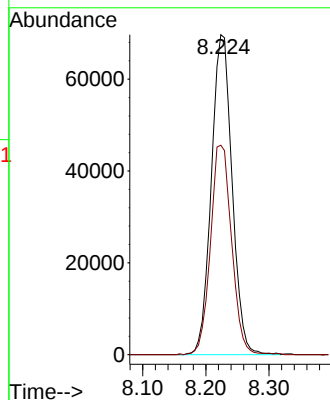
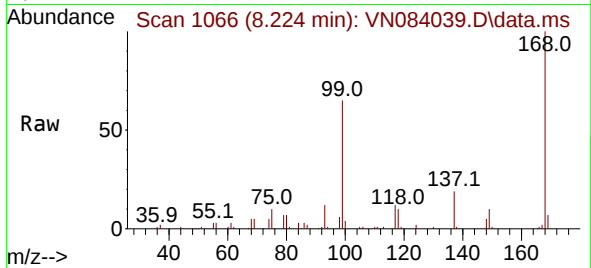




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

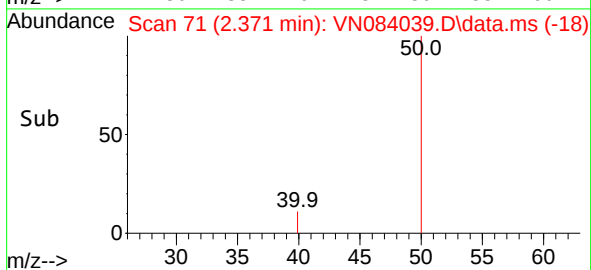
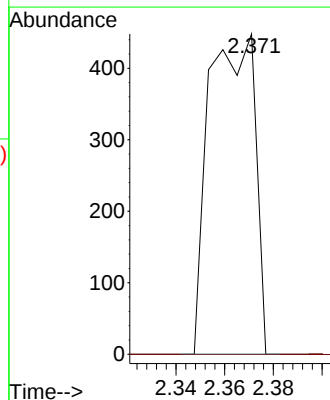
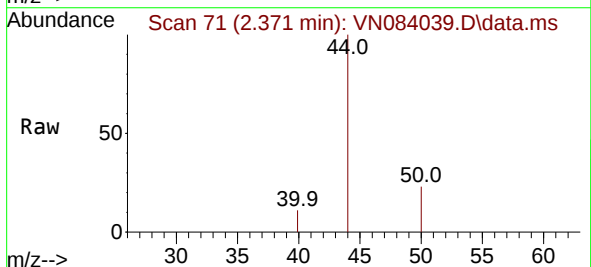
Instrument :
MSVOA_N
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MW17811-20240911

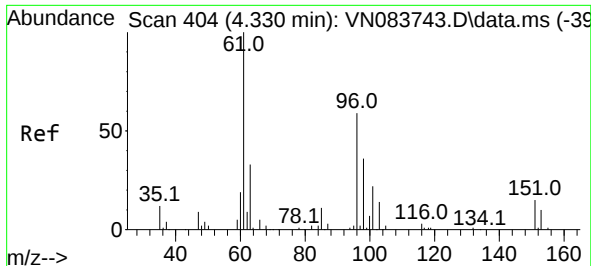
Tgt Ion:168 Resp: 159311
Ion Ratio Lower Upper
168 100
99 65.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

Tgt Ion: 50 Resp: 587
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#12

1,1-Dichloroethene

Concen: 1.810 ug/l

RT: 4.336 min Scan# 404

Delta R.T. 0.006 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

MW17811-20240911

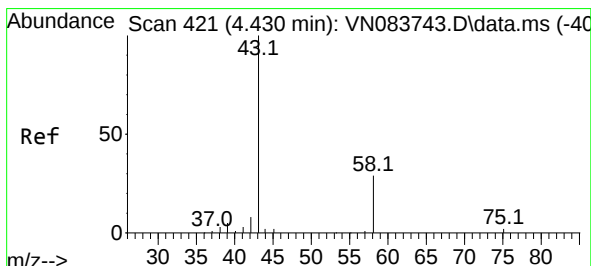
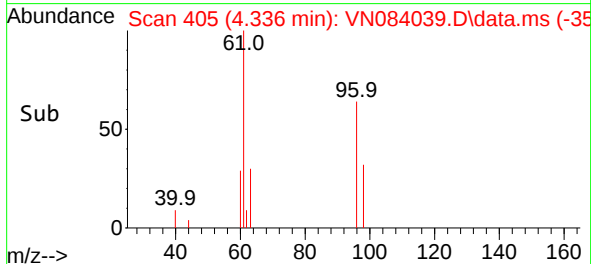
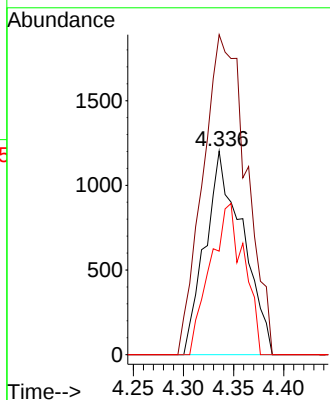
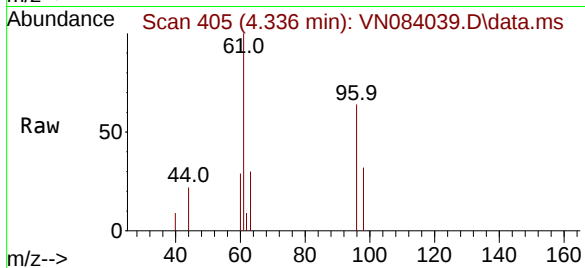
Tgt Ion: 96 Resp: 3119

Ion Ratio Lower Upper

96 100

61 157.2 143.4 215.0

98 50.8 52.7 79.1#



#16

Acetone

Concen: 0.272 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.006 min

Lab File: VN084039.D

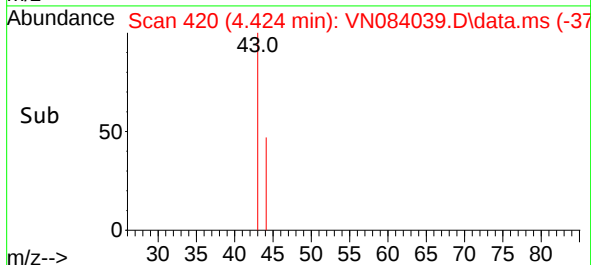
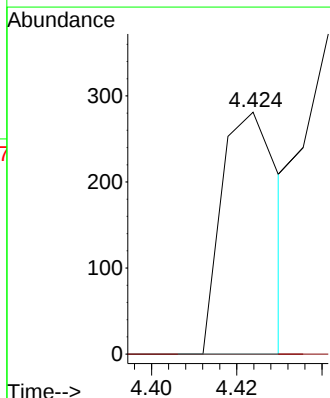
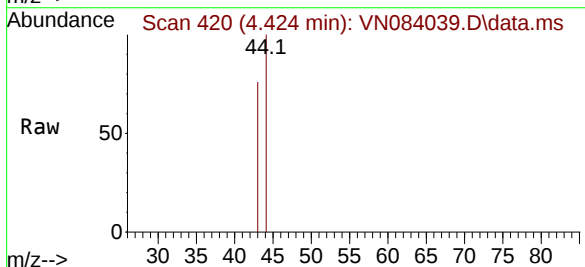
Acq: 19 Sep 2024 17:16

Tgt Ion: 43 Resp: 262

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

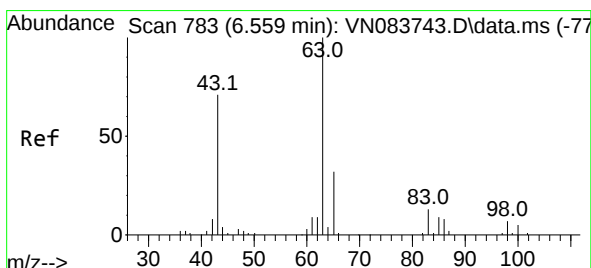
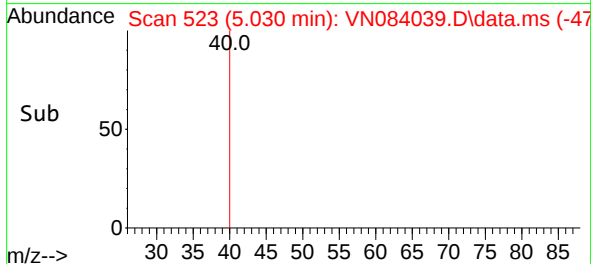
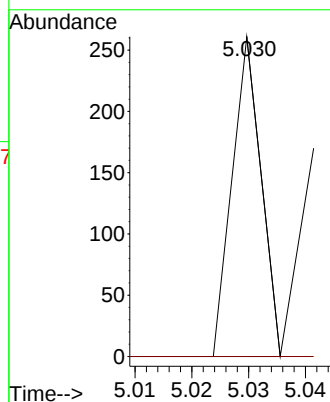
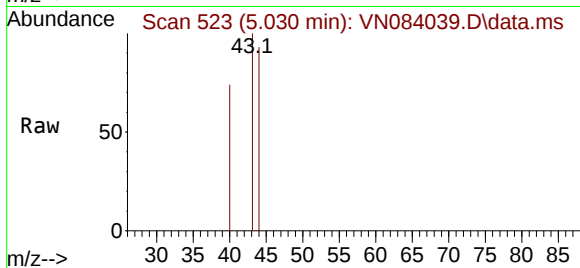
MW17811-20240911

Tgt Ion: 43 Resp: 92

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#24

1,1-Dichloroethane

Concen: 0.890 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.006 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

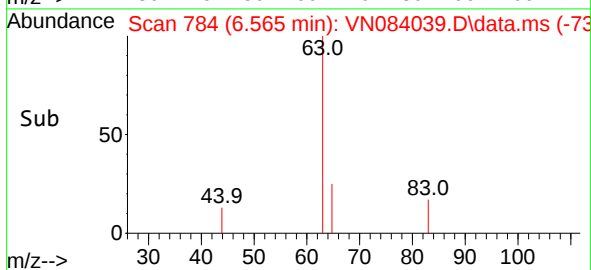
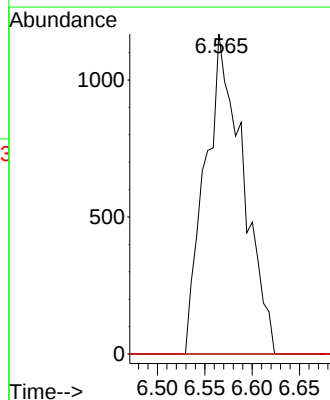
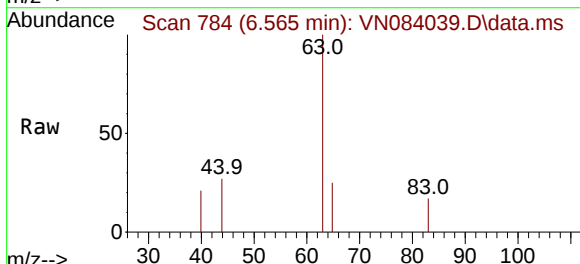
Tgt Ion: 63 Resp: 3241

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: 25.728 ug/l

RT: 7.488 min Scan# 94

Delta R.T. 0.006 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

MW17811-20240911

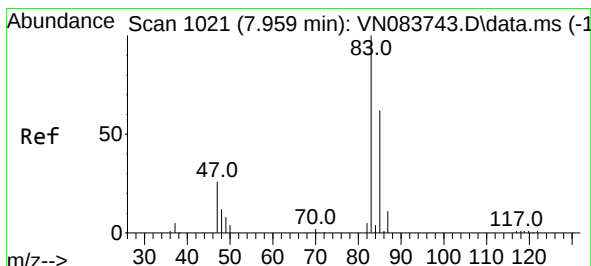
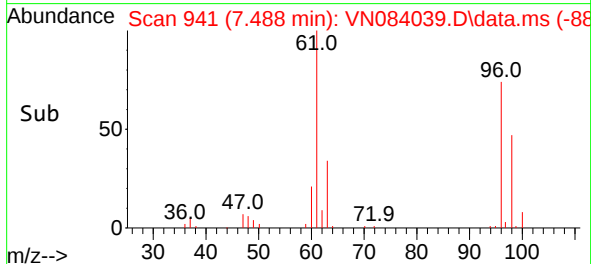
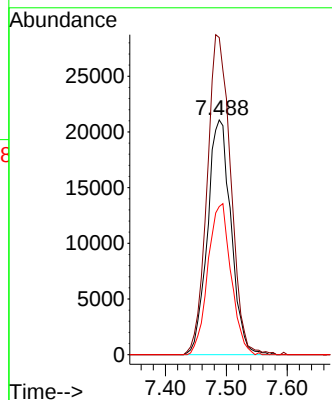
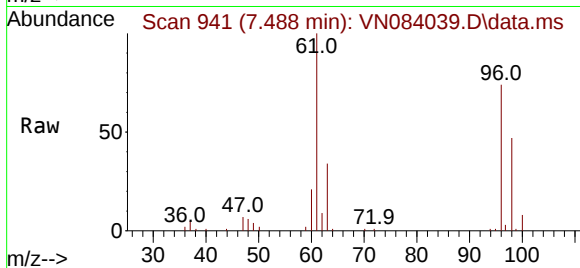
Tgt Ion: 96 Resp: 56399

Ion Ratio Lower Upper

96 100

61 136.7 0.0 306.2

98 63.4 0.0 128.6



#30

Chloroform

Concen: 0.231 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN084039.D

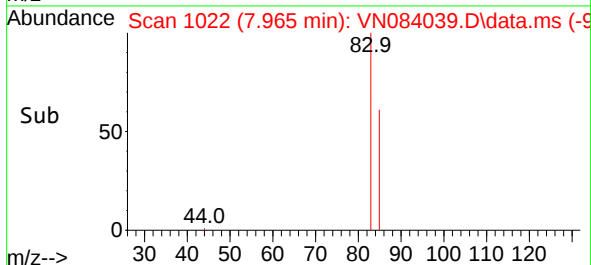
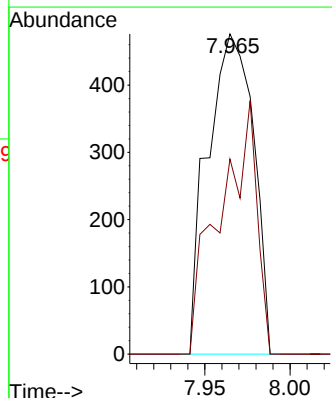
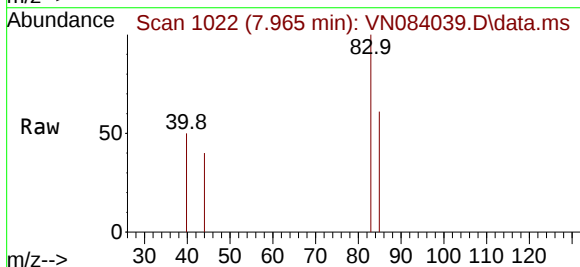
Acq: 19 Sep 2024 17:16

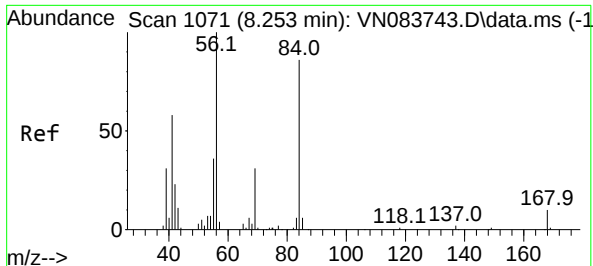
Tgt Ion: 83 Resp: 893

Ion Ratio Lower Upper

83 100

85 60.9 52.8 79.2





#31

Cyclohexane

Concen: 1.218 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN084039.D

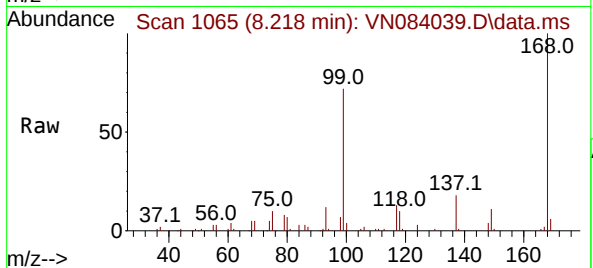
Acq: 19 Sep 2024 17:16

Instrument :

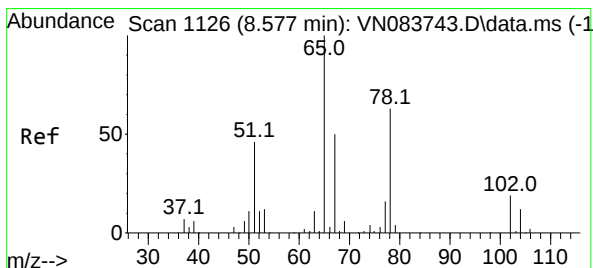
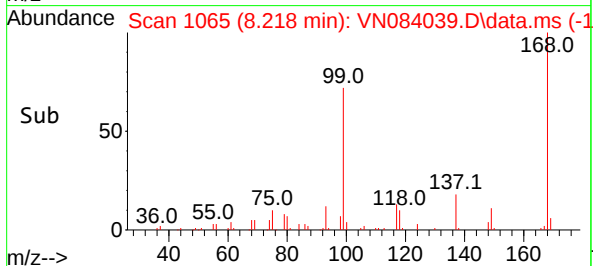
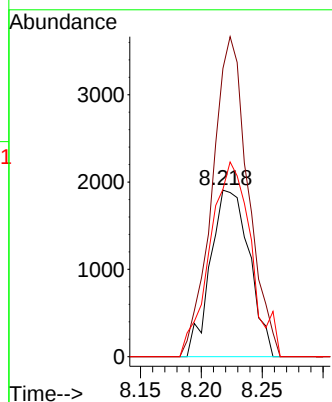
MSVOA_N

ClientSampleId :

MW17811-20240911



Tgt Ion: 56	Resp: 4228
Ion Ratio	Lower Upper
56	100
69	173.0 26.9 40.3#
84	100.4 69.2 103.8



#33

1,2-Dichloroethane-d4

Concen: 50.518 ug/l

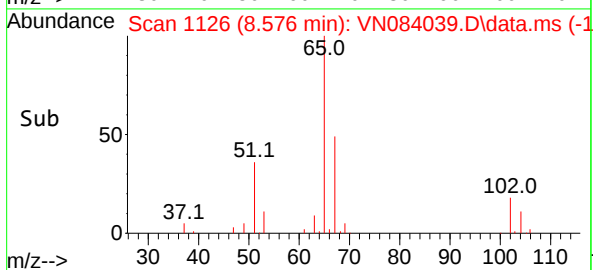
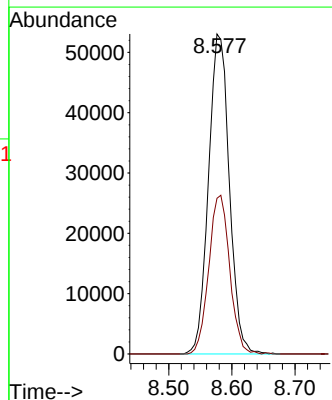
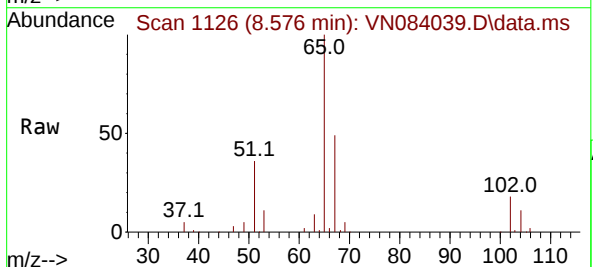
RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

Tgt Ion: 65	Resp: 121354
Ion Ratio	Lower Upper
65 100	
67 49.8	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: VN084039.D

Acq: 19 Sep 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

MW17811-20240911

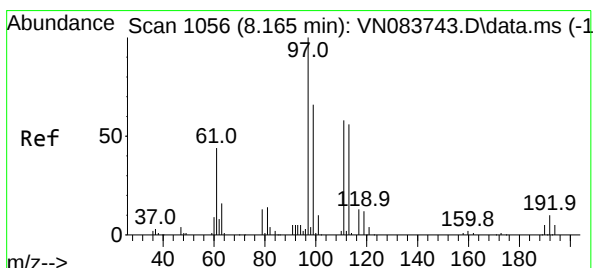
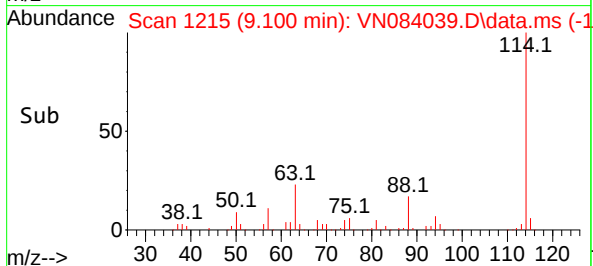
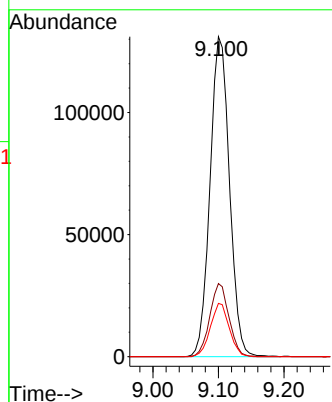
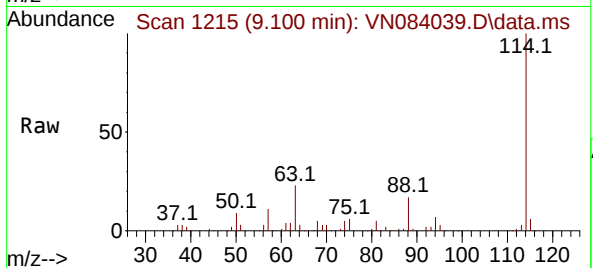
Tgt Ion:114 Resp: 269520

Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.4

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.398 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

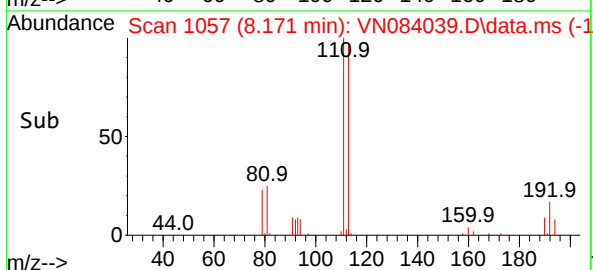
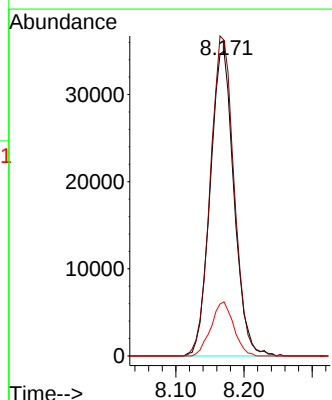
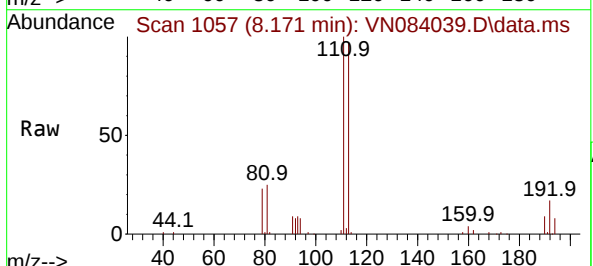
Tgt Ion:113 Resp: 85233

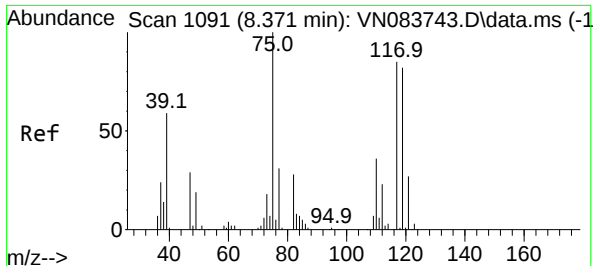
Ion Ratio Lower Upper

113 100

111 104.6 82.6 124.0

192 16.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.882 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

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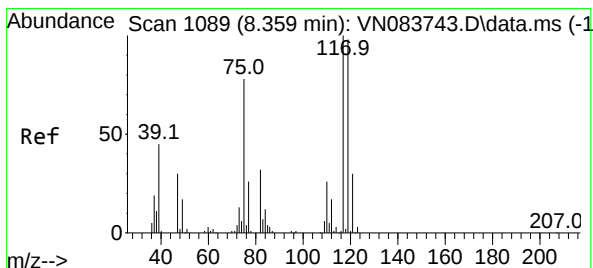
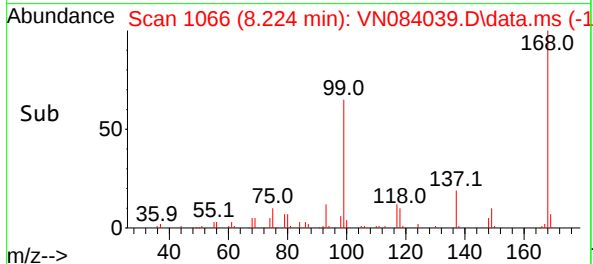
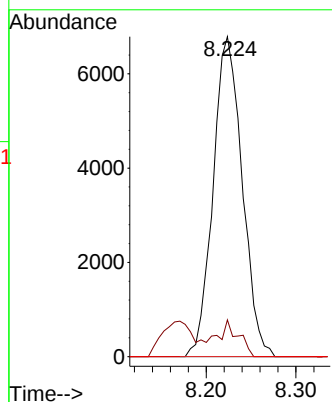
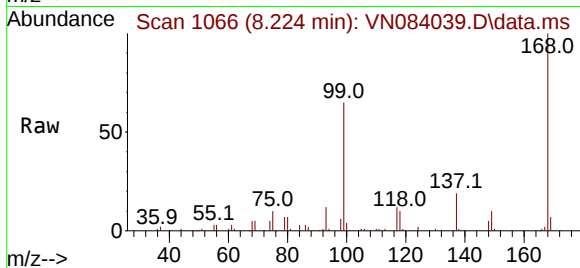
Tgt Ion: 75 Resp: 15275

Ion Ratio Lower Upper

75 100

110 8.1 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 6.248 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

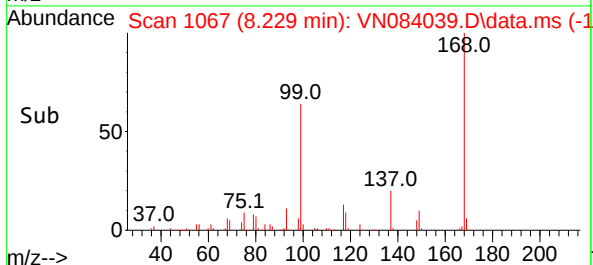
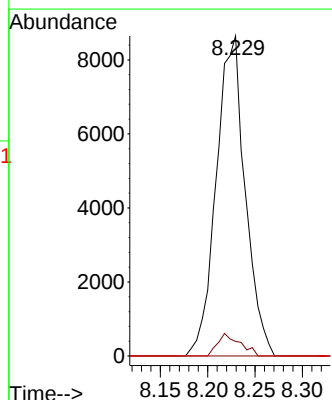
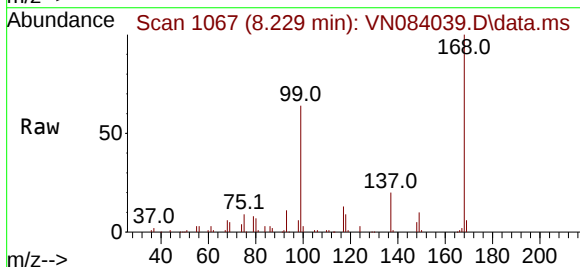
Tgt Ion: 117 Resp: 18409

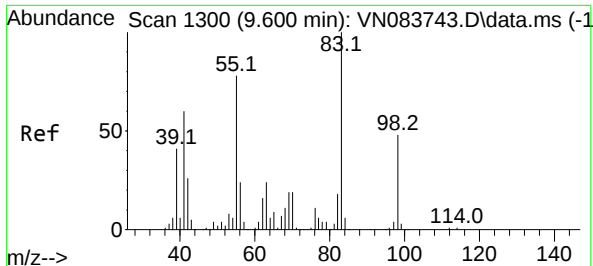
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 3.377 ug/l

RT: 9.353 min Scan# 11258

Delta R.T. -0.247 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

MW17811-20240911

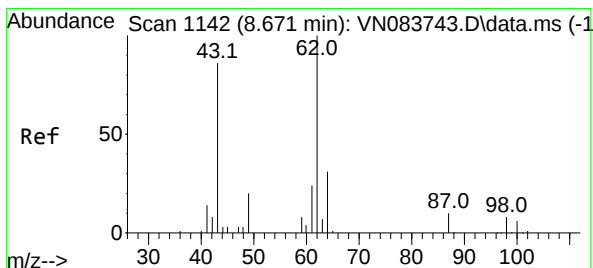
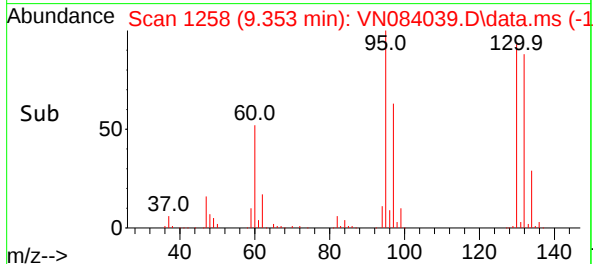
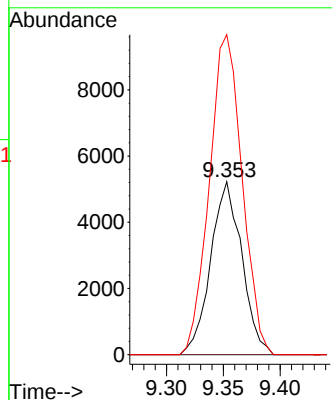
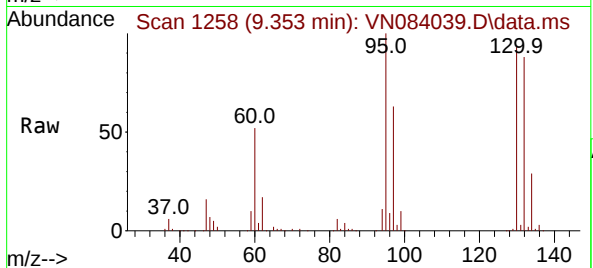
Tgt Ion: 83 Resp: 9982

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 185.1 37.6 56.4#



#42

1,2-Dichloroethane

Concen: 0.345 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN084039.D

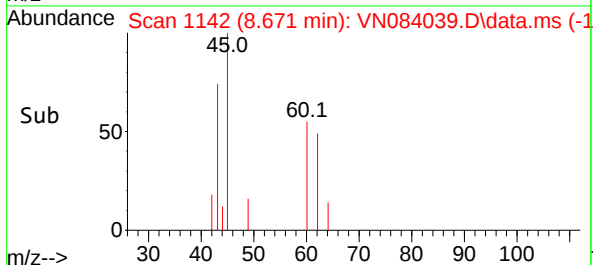
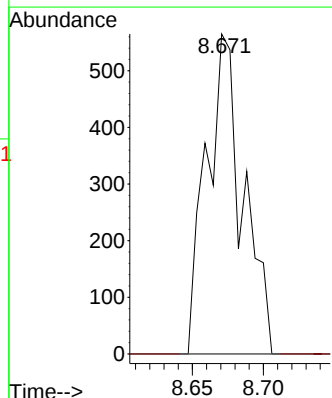
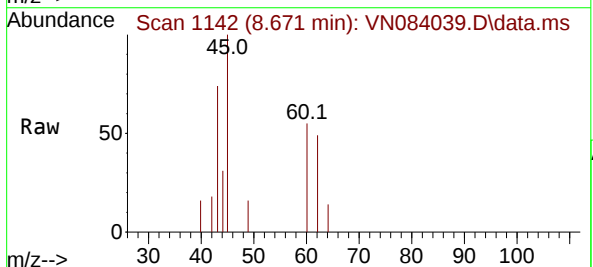
Acq: 19 Sep 2024 17:16

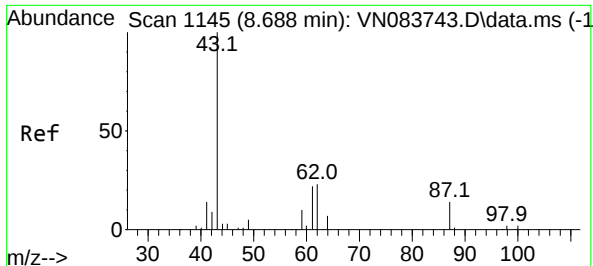
Tgt Ion: 62 Resp: 1009

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 1.192 ug/l

RT: 8.706 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

MW17811-20240911

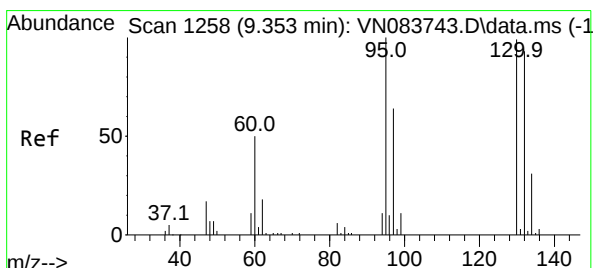
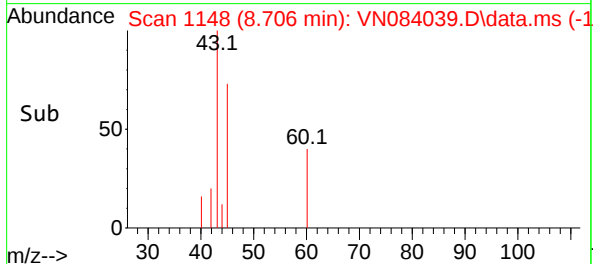
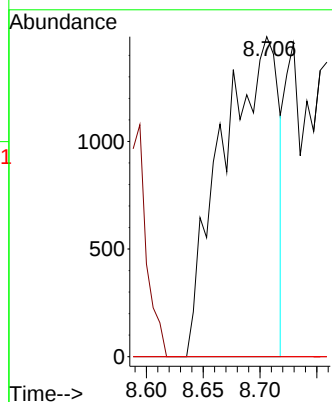
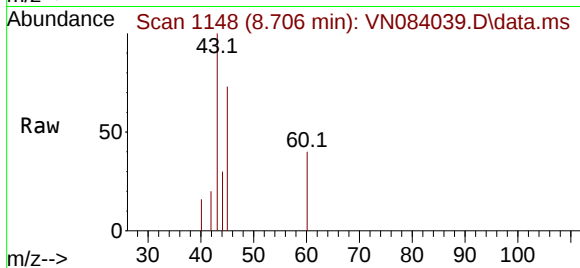
Tgt Ion: 43 Resp: 5092

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 393.800 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN084039.D

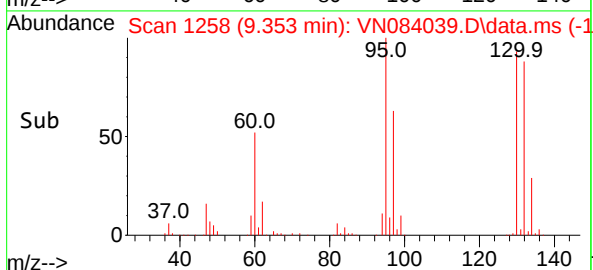
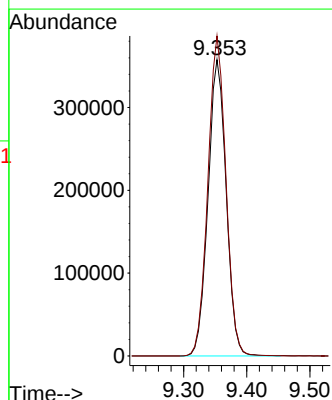
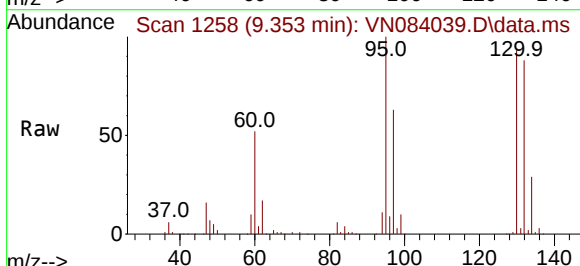
Acq: 19 Sep 2024 17:16

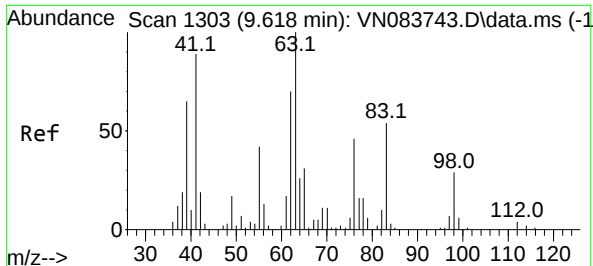
Tgt Ion:130 Resp: 712835

Ion Ratio Lower Upper

130 100

95 108.0 0.0 200.4





#45

1,2-Dichloropropane

Concen: 23.817 ug/l

RT: 9.618 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

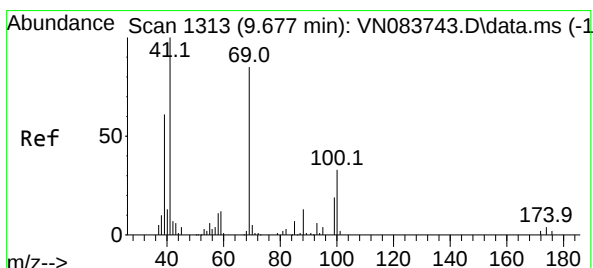
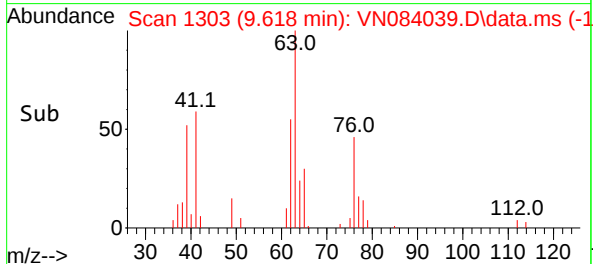
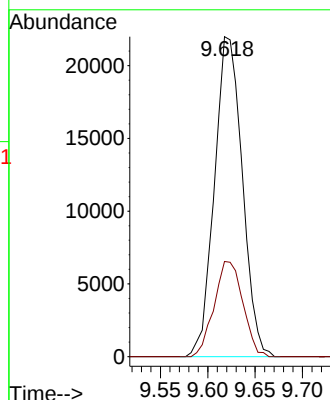
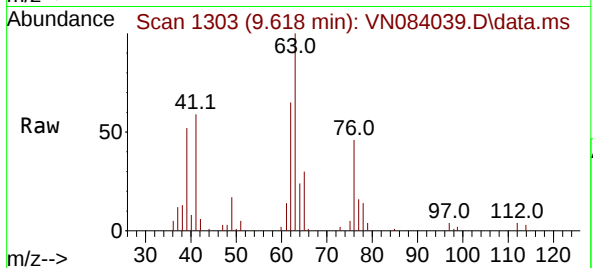
MW17811-20240911

Tgt Ion: 63 Resp: 44996

Ion Ratio Lower Upper

63 100

65 29.7 25.9 38.9



#48

Methyl methacrylate

Concen: 14.439 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. -0.053 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

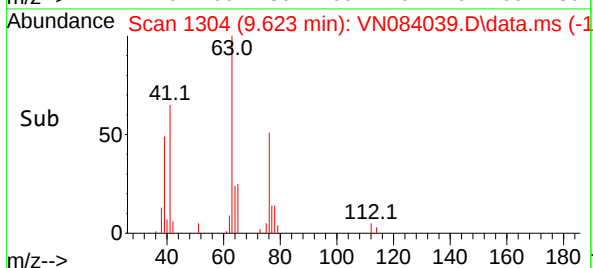
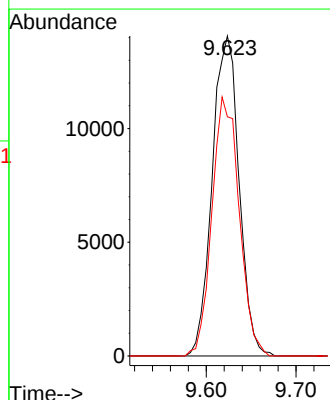
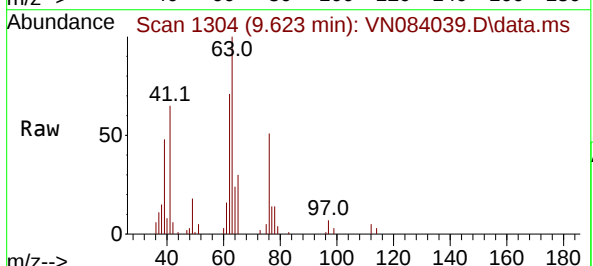
Tgt Ion: 41 Resp: 29263

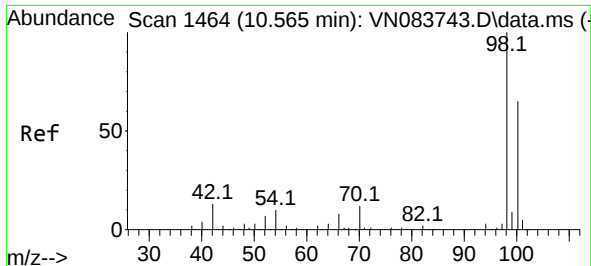
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 82.0 48.9 73.3#

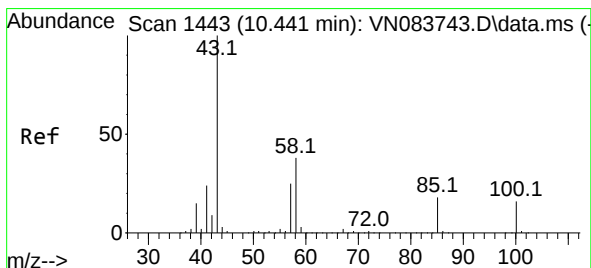
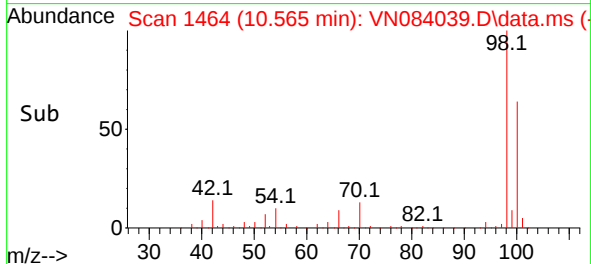
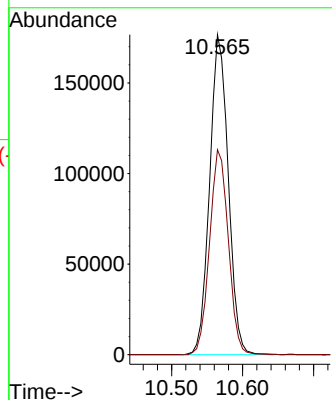
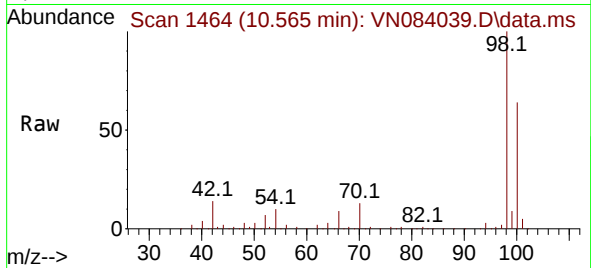




#50
Toluene-d8
Concen: 53.876 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

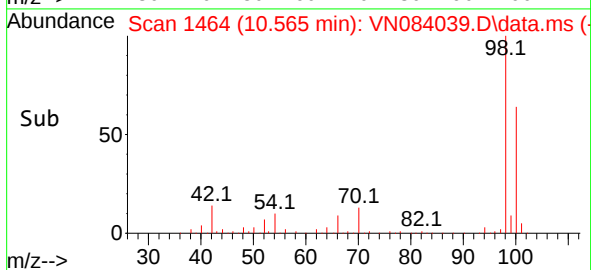
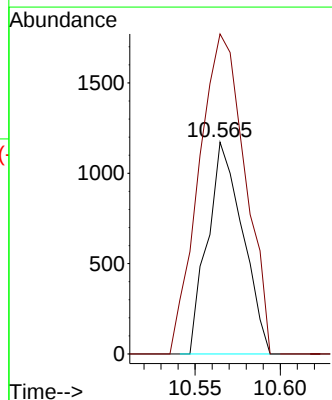
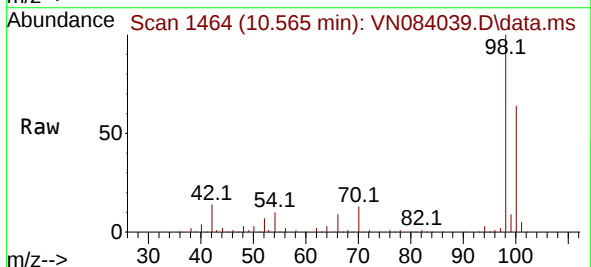
Instrument :
MSVOA_N
ClientSampleId :
MW17811-20240911

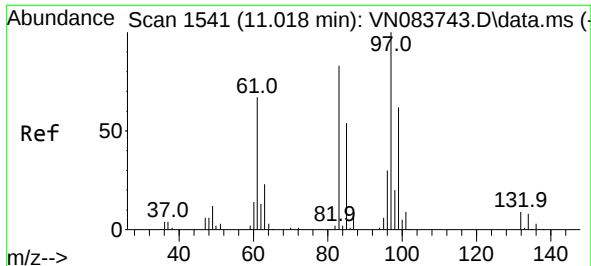
Tgt Ion: 98 Resp: 321363
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.720 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

Tgt Ion: 43 Resp: 1675
Ion Ratio Lower Upper
43 100
58 199.4 31.6 47.4#

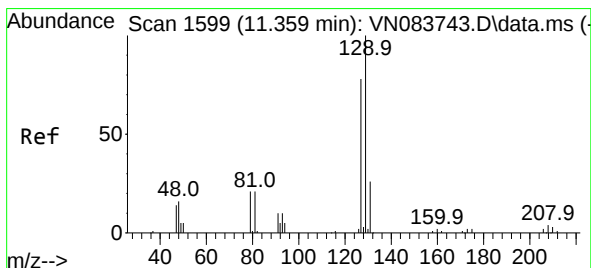
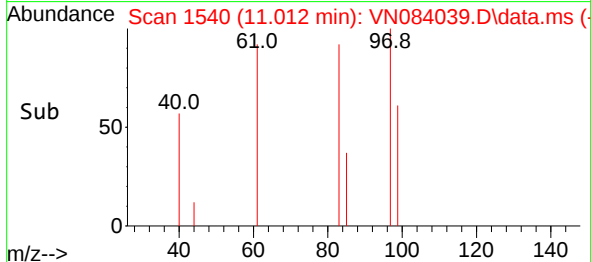
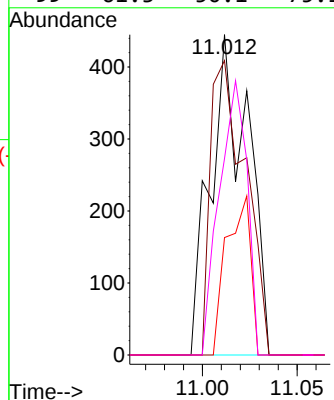
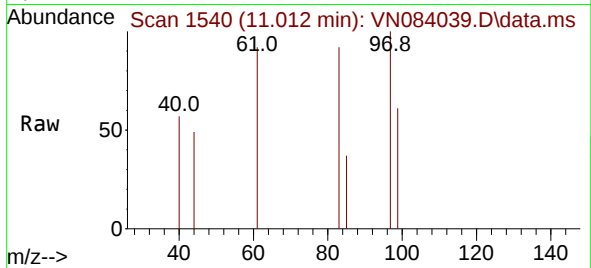




#55
1,1,2-Trichloroethane
Concen: 0.342 ug/l
RT: 11.012 min Scan# 1155
Delta R.T. -0.006 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

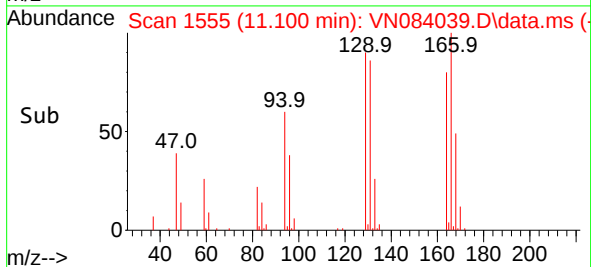
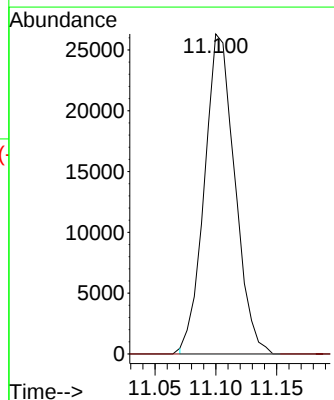
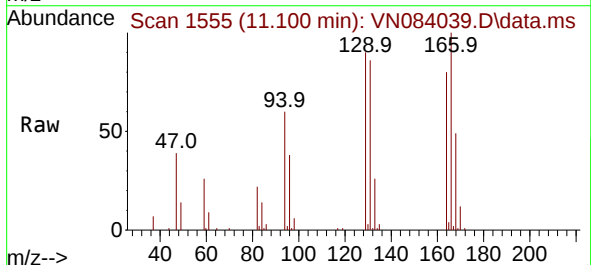
Instrument :
MSVOA_N
ClientSampleId :
MW17811-20240911

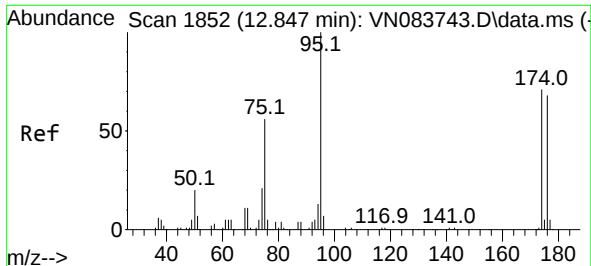
Tgt Ion: 97	Resp: 610
Ion Ratio	Lower Upper
97 100	
83 91.9	67.5 101.3
85 36.6	44.2 66.2#
99 61.3	50.1 75.1



#60
Dibromochloromethane
Concen: 22.895 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

Tgt Ion:129	Resp: 45736
Ion Ratio	Lower Upper
129 100	
127 0.0	39.0 116.9#





#62

4-Bromofluorobenzene

Concen: 46.173 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084039.D

Acq: 19 Sep 2024 17:16

Instrument :

MSVOA_N

ClientSampleId :

MW17811-20240911

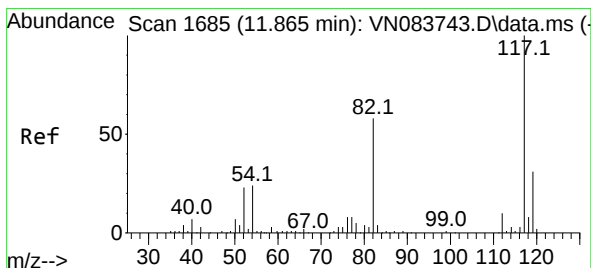
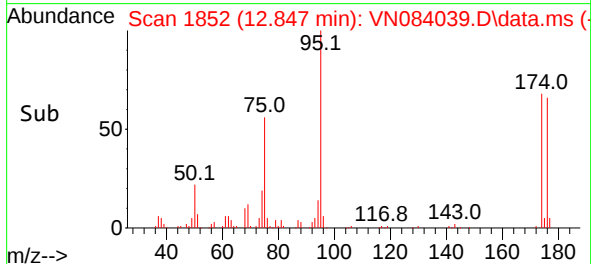
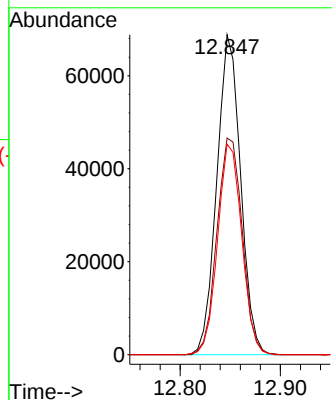
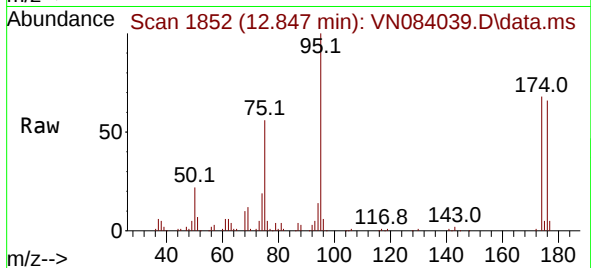
Tgt Ion: 95 Resp: 113630

Ion Ratio Lower Upper

95 100

174 71.7 0.0 139.8

176 66.8 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: VN084039.D

Acq: 19 Sep 2024 17:16

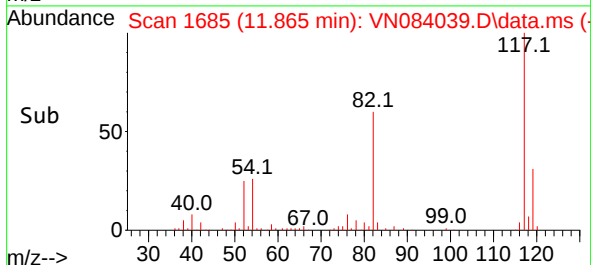
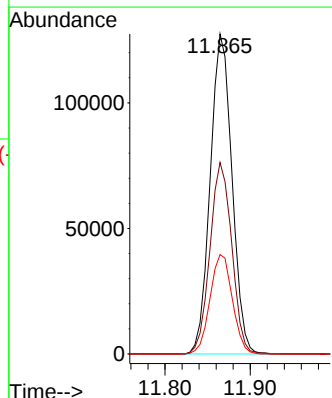
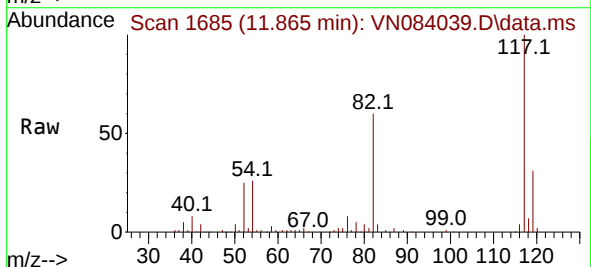
Tgt Ion: 117 Resp: 225828

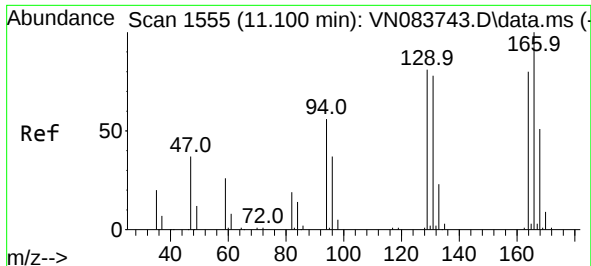
Ion Ratio Lower Upper

117 100

82 59.9 47.4 71.0

119 31.1 26.3 39.5

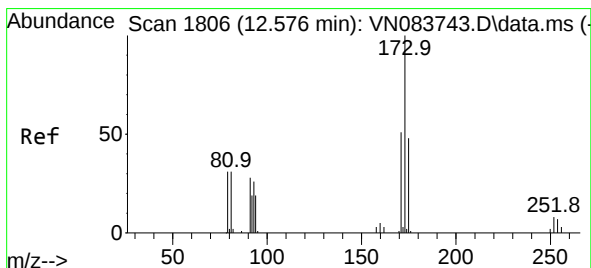
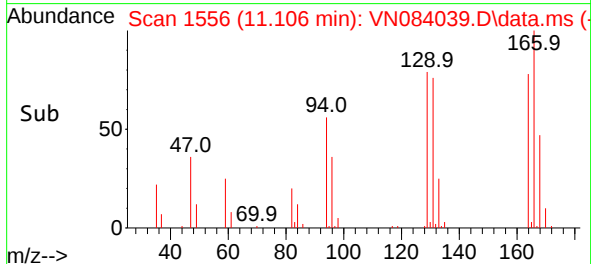
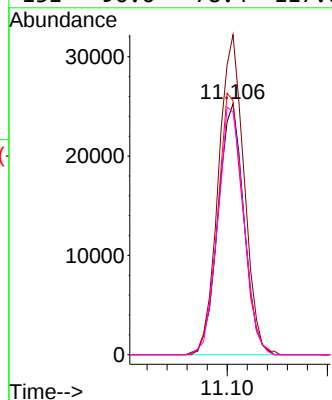
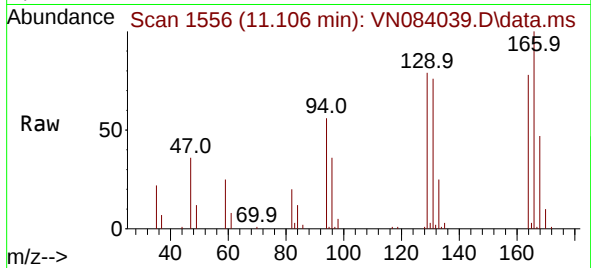




#64
Tetrachloroethene
Concen: 29.981 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

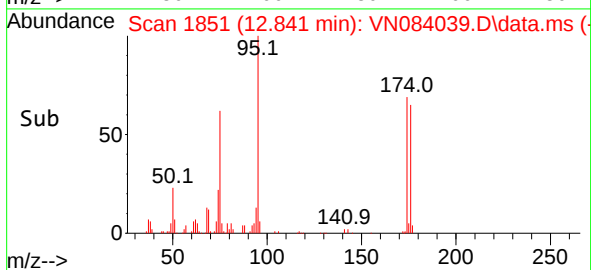
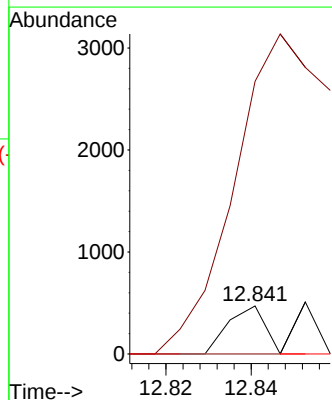
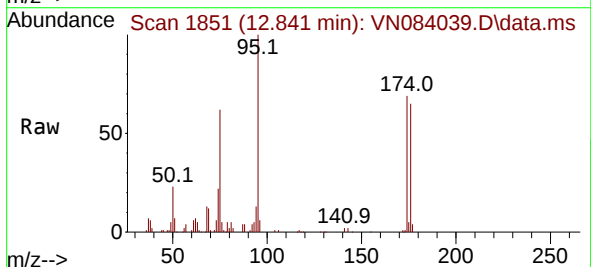
Instrument :
MSVOA_N
ClientSampleId :
MW17811-20240911

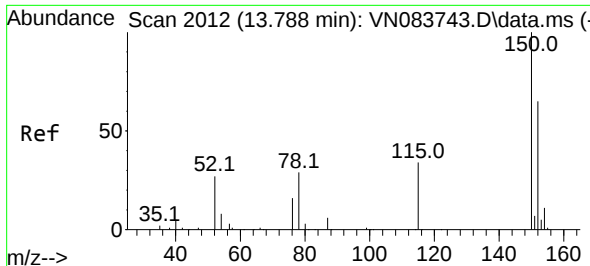
Tgt Ion:164 Resp: 45025
Ion Ratio Lower Upper
164 100
166 127.5 103.7 155.5
129 101.3 79.9 119.9
131 96.6 78.4 117.6



#71
Bromoform
Concen: 0.242 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

Tgt Ion:173 Resp: 284
Ion Ratio Lower Upper
173 100
175 1359.5 24.1 72.2#
254 0.0 0.0 0.0

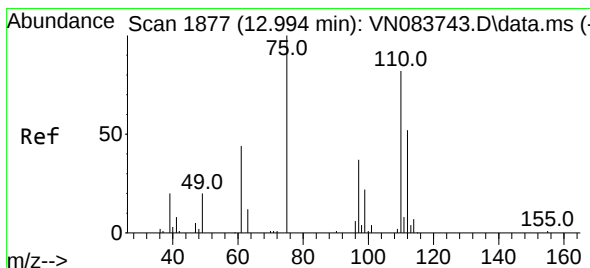
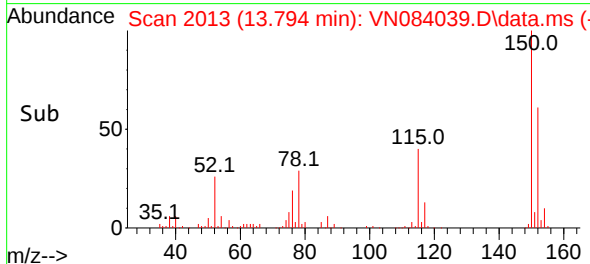
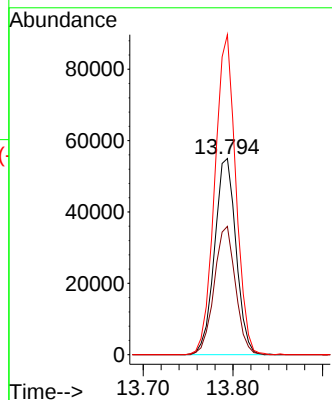
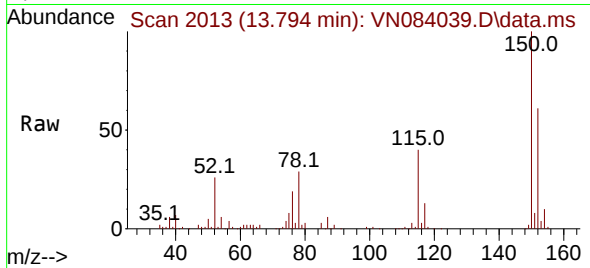




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

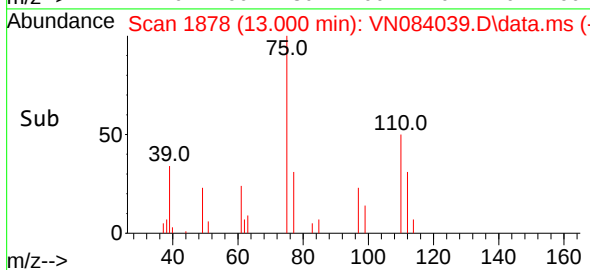
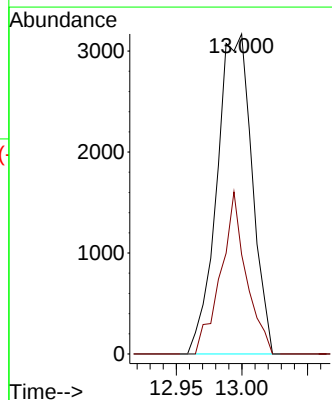
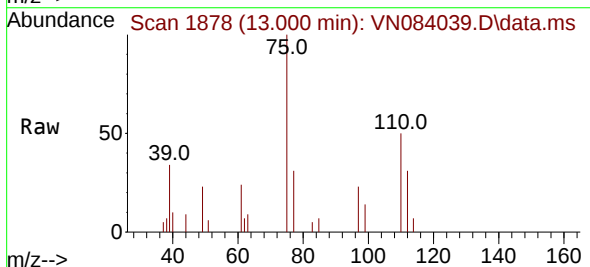
Instrument :
MSVOA_N
ClientSampleId :
MW17811-20240911

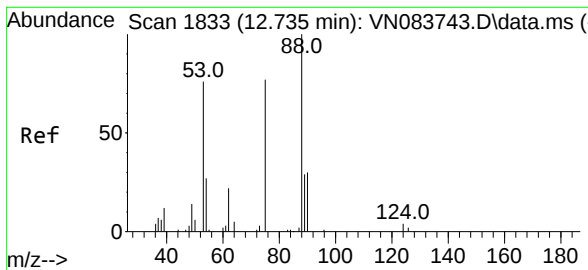
Tgt Ion:152 Resp: 91290
Ion Ratio Lower Upper
152 100
115 65.0 32.2 96.6
150 159.5 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 3.183 ug/l
RT: 13.000 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

Tgt Ion: 75 Resp: 5864
Ion Ratio Lower Upper
75 100
77 36.9 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 94.125 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084039.D
Acq: 19 Sep 2024 17:16

Instrument :
MSVOA_N
ClientSampleId :
MW17811-20240911

Tgt Ion: 75 Resp: 66200
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

