

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083853.D
 Acq On : 13 Sep 2024 05:01
 Operator : JC\MD
 Sample : P3957-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW305I-20240910

Quant Time: Sep 13 06:41:05 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)

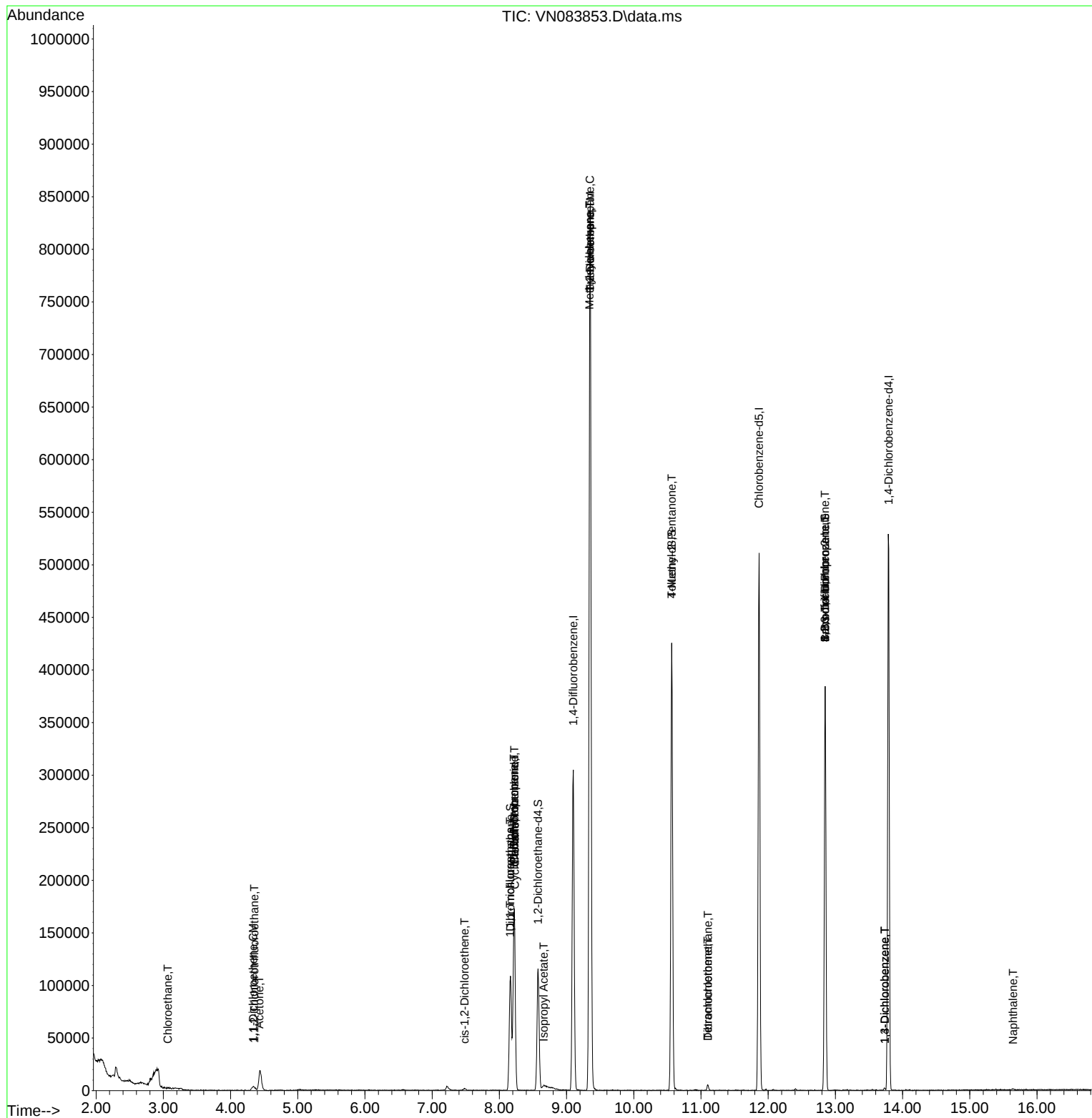
Internal Standards						
1) Pentafluorobenzene	8.224	168	118843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	250556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	95492	53.288	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.580%	
35) Dibromofluoromethane	8.165	113	76581	47.743	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.480%	
50) Toluene-d8	10.565	98	281674	50.796	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	12.847	95	129580	56.639	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 113.280%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	632	Below Cal		98
6) Chloroethane	3.065	64	559	0.527 ug/l	#	45
9) 1,1,2-Trichlorotrifluo...	4.353	101	1913	1.405 ug/l	#	90
12) 1,1-Dichloroethene	4.336	96	1446	1.125 ug/l	#	71
16) Acetone	4.430	43	469	0.653 ug/l	#	45
18) Methyl Acetate	5.041	43	1987	Below Cal	#	72
27) cis-1,2-Dichloroethene	7.482	96	1141	0.698 ug/l		90
31) Cyclohexane	8.229	56	3224	1.245 ug/l	#	44
32) 1,1,1-Trichloroethane	8.159	97	583	0.220 ug/l	#	48
36) 1,1-Dichloropropene	8.218	75	10937	4.530 ug/l	#	52
38) Carbon Tetrachloride	8.224	117	14256	5.205 ug/l	#	12
39) Methylcyclohexane	9.341	83	4261	1.551 ug/l	#	1
43) Isopropyl Acetate	8.659	43	3561	0.897 ug/l	#	57
44) Trichloroethene	9.353	130	292609	173.885 ug/l		94
45) 1,2-Dichloropropane	9.347	63	931	0.530 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.565	43	1466	0.678 ug/l	#	1
60) Dibromochloromethane	11.106	129	1070	0.576 ug/l	#	10
64) Tetrachloroethene	11.100	164	1215	0.667 ug/l	#	77
71) Bromoform	12.847	173	880	0.619 ug/l	#	1
76) 1,2,3-Trichloropropane	12.847	75	74936	28.088 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74936	73.565 ug/l	#	9
87) 1,3-Dichlorobenzene	13.735	146	994	0.214 ug/l		98
88) 1,4-Dichlorobenzene	13.735	146	994	0.211 ug/l		97
95) Naphthalene	15.647	128	1490	0.204 ug/l	#	69

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
Data File : VN083853.D
Acq On : 13 Sep 2024 05:01
Operator : JC\MD
Sample : P3957-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

Quant Time: Sep 13 06:41:05 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

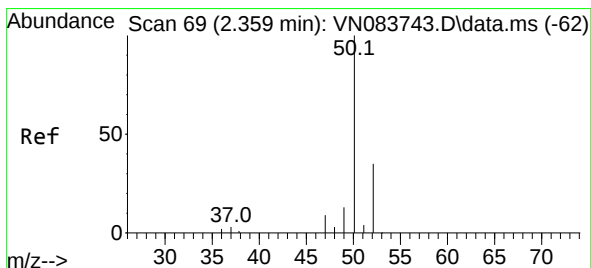
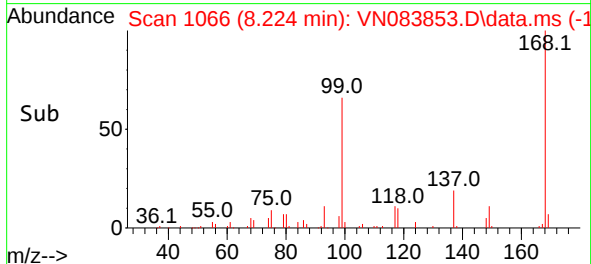
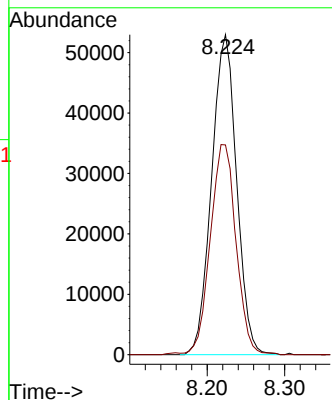
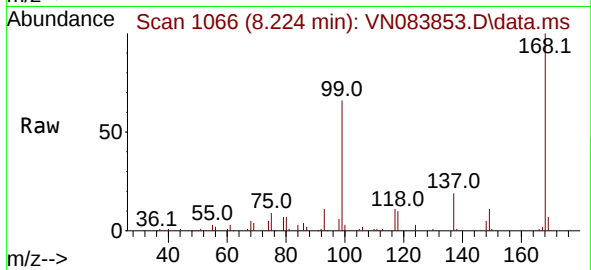




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

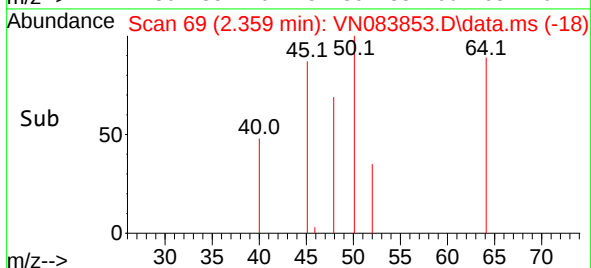
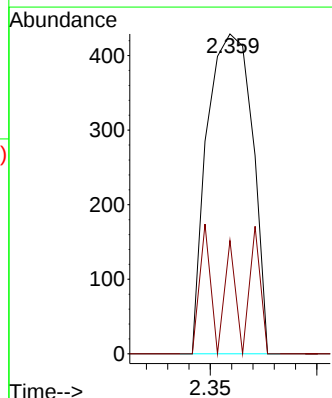
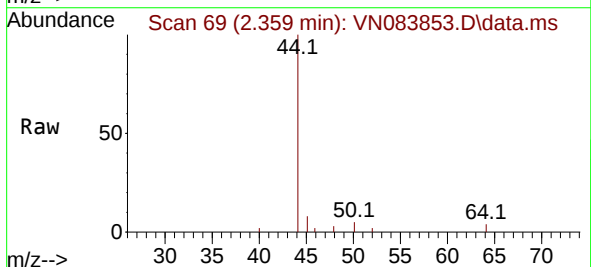
Instrument : MSVOA_N
ClientSampleId : MW305I-20240910

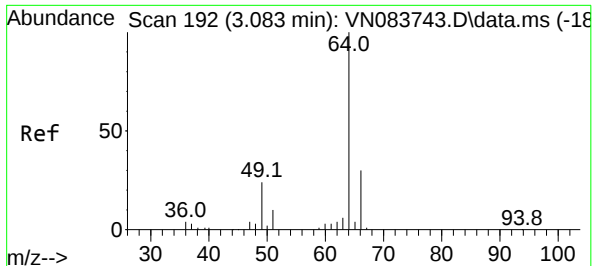
Tgt Ion:168 Resp: 118843
Ion Ratio Lower Upper
168 100
99 65.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion: 50 Resp: 632
Ion Ratio Lower Upper
50 100
52 35.4 27.2 40.8

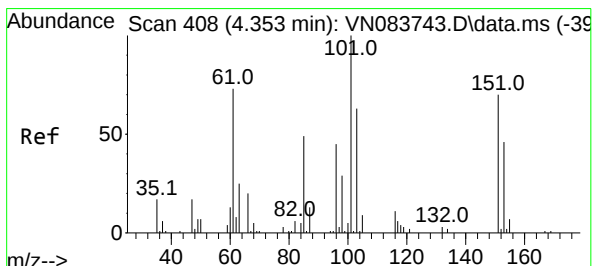
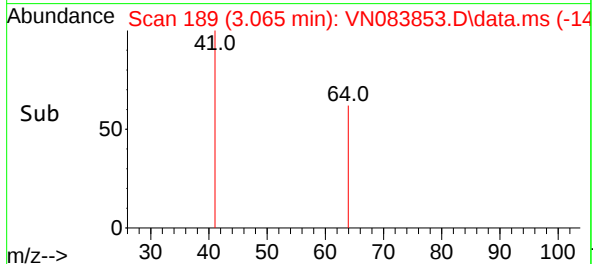
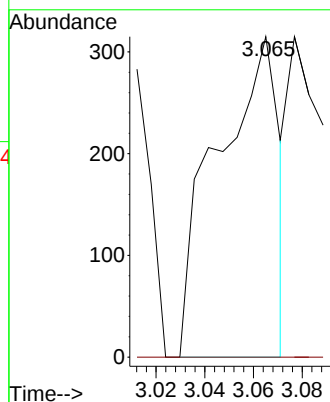
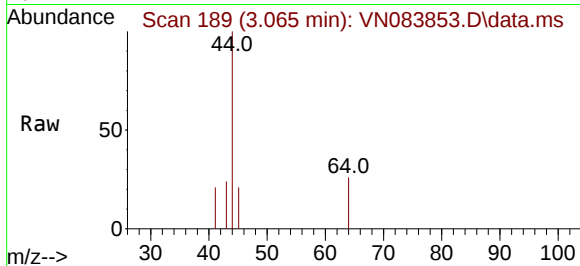




#6
Chloroethane
Concen: 0.527 ug/l
RT: 3.065 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

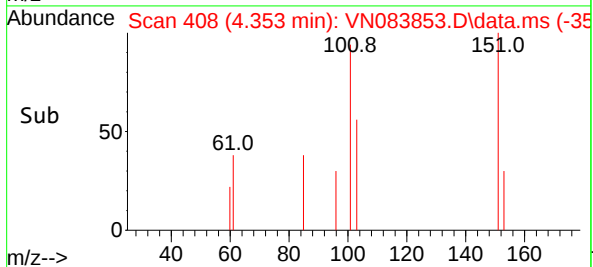
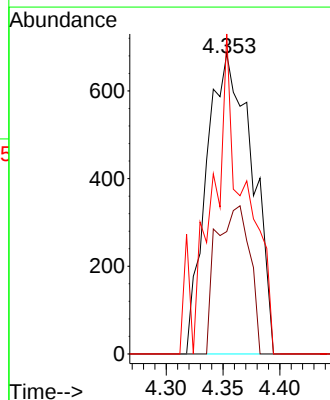
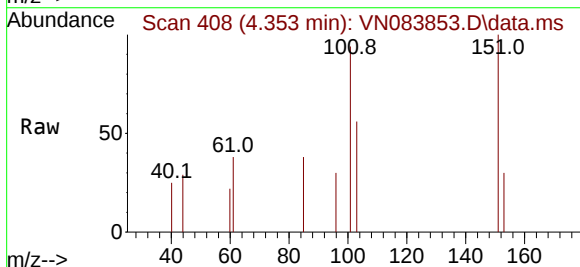
Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

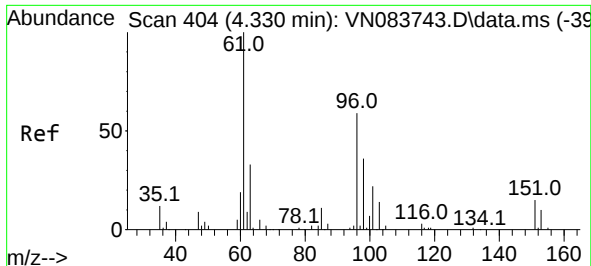
Tgt Ion: 64 Resp: 559
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.405 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.000 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion:101 Resp: 1913
Ion Ratio Lower Upper
101 100
85 36.1 36.2 54.4#
151 78.7 57.7 86.5





#12

1,1-Dichloroethene

Concen: 1.125 ug/l

RT: 4.336 min Scan# 404

Delta R.T. 0.006 min

Lab File: VN083853.D

Acq: 13 Sep 2024 05:01

Instrument :

MSVOA_N

ClientSampleId :

MW305I-20240910

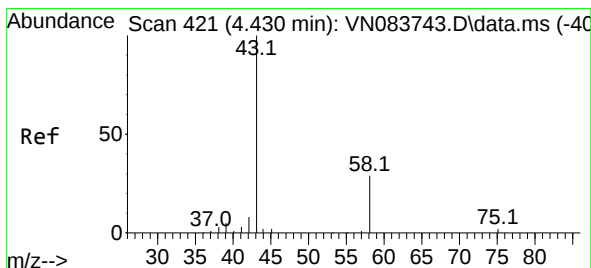
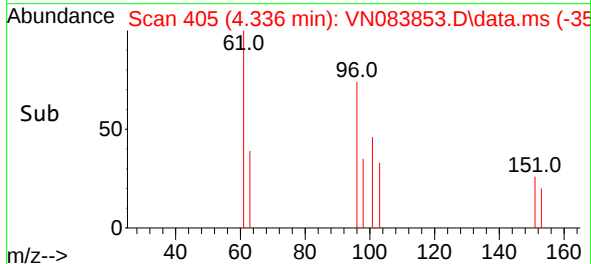
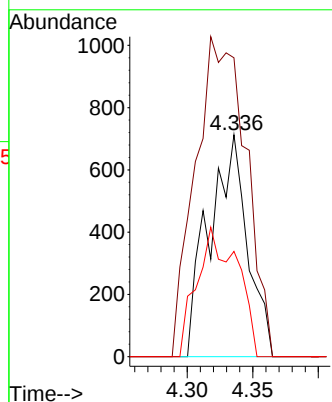
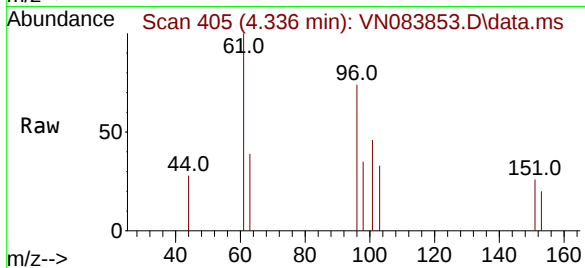
Tgt Ion: 96 Resp: 1446

Ion Ratio Lower Upper

96 100

61 134.6 143.4 215.0#

98 47.4 52.7 79.1#



#16

Acetone

Concen: 0.653 ug/l

RT: 4.430 min Scan# 421

Delta R.T. -0.000 min

Lab File: VN083853.D

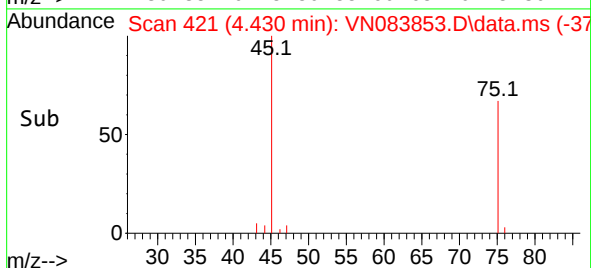
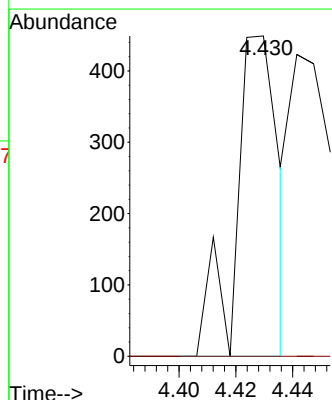
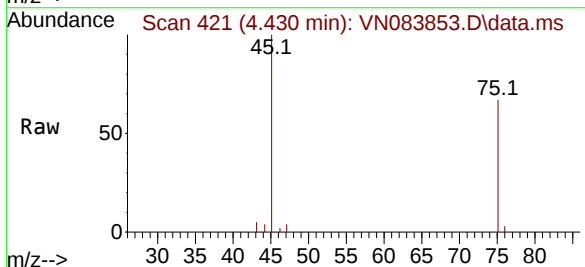
Acq: 13 Sep 2024 05:01

Tgt Ion: 43 Resp: 469

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#

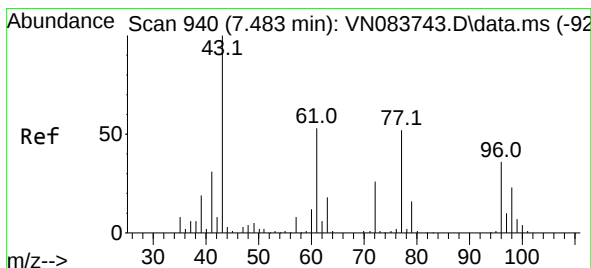
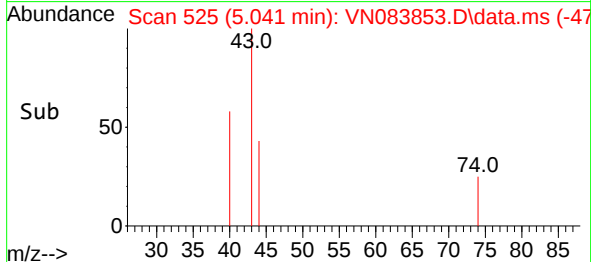
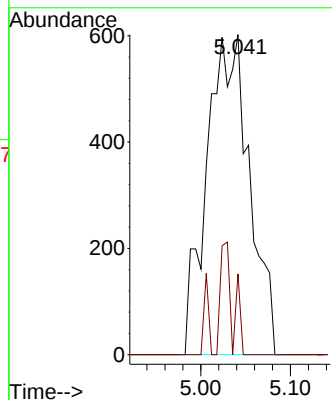
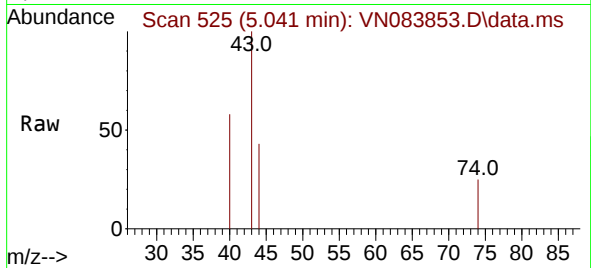




#18
Methyl Acetate
Concen: Below Cal
RT: 5.041 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

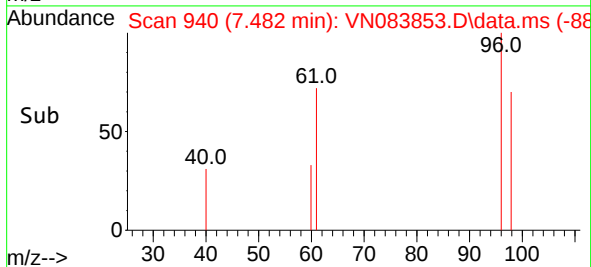
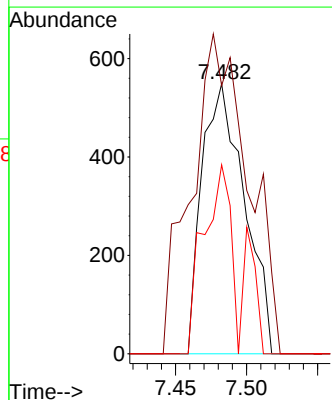
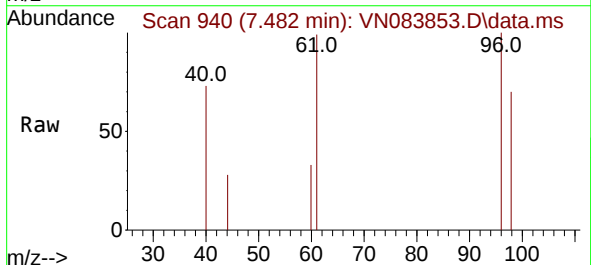
Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

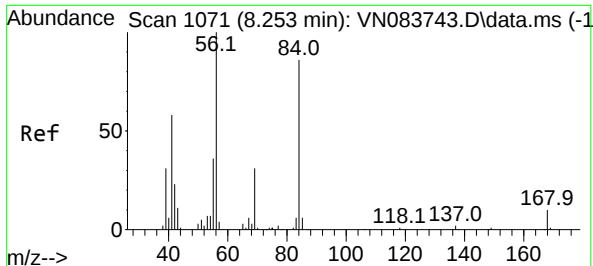
Tgt Ion: 43 Resp: 1987
Ion Ratio Lower Upper
43 100
74 10.1 19.0 28.4#



#27
cis-1,2-Dichloroethene
Concen: 0.698 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion: 96 Resp: 1141
Ion Ratio Lower Upper
96 100
61 158.7 0.0 306.2
98 44.7 0.0 128.6





#31

Cyclohexane

Concen: 1.245 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.024 min

Lab File: VN083853.D

Acq: 13 Sep 2024 05:01

Instrument :

MSVOA_N

ClientSampleId :

MW305I-20240910

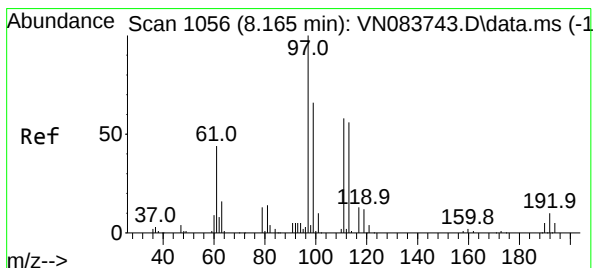
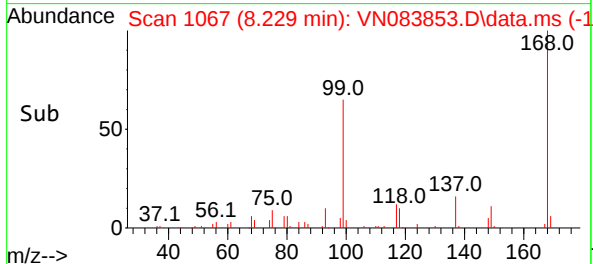
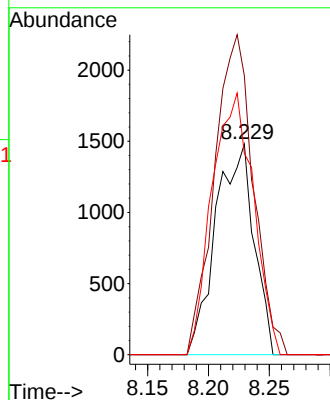
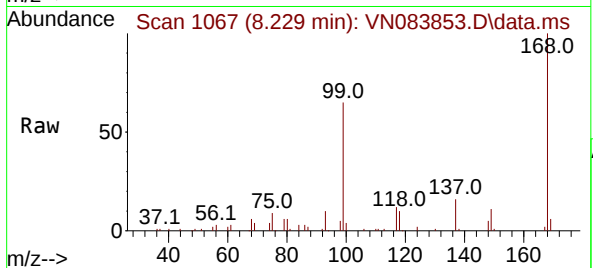
Tgt Ion: 56 Resp: 3224

Ion Ratio Lower Upper

56 100

69 132.4 26.9 40.3#

84 95.6 69.2 103.8



#32

1,1,1-Trichloroethane

Concen: 0.220 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN083853.D

Acq: 13 Sep 2024 05:01

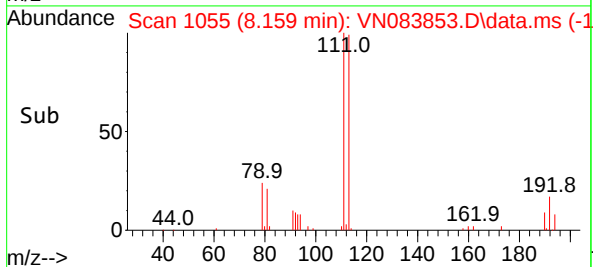
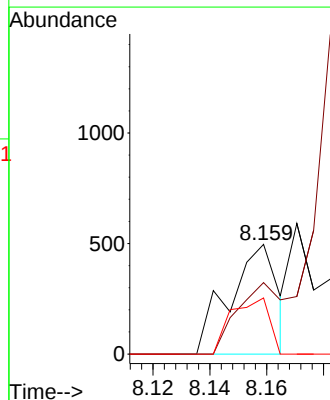
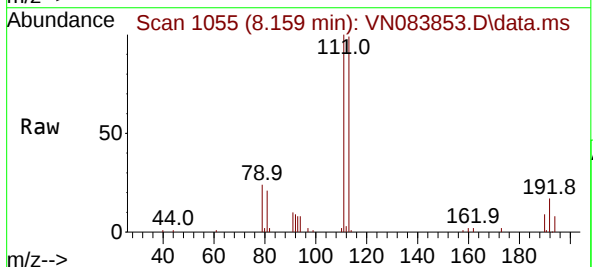
Tgt Ion: 97 Resp: 583

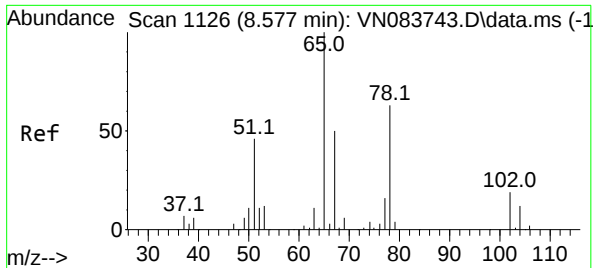
Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

61 40.3 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 53.288 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083853.D

Acq: 13 Sep 2024 05:01

Instrument :

MSVOA_N

ClientSampleId :

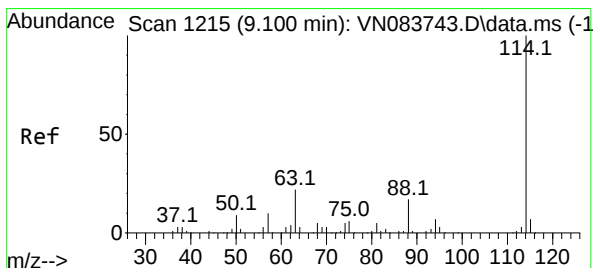
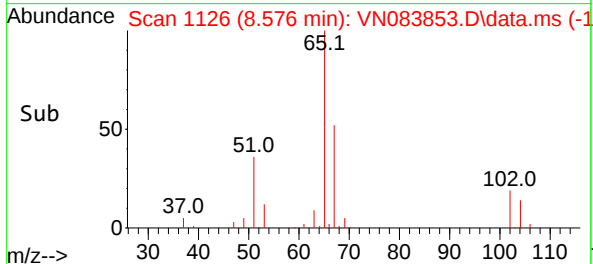
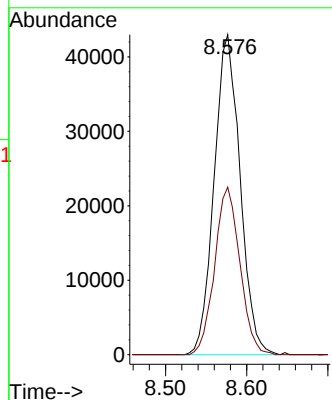
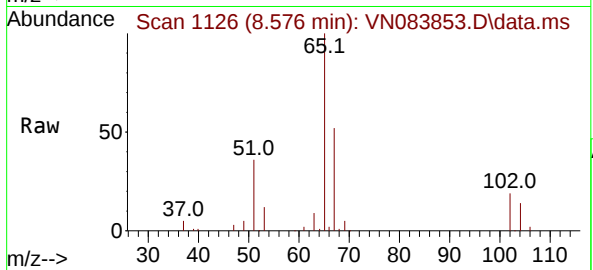
MW305I-20240910

Tgt Ion: 65 Resp: 95492

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083853.D

Acq: 13 Sep 2024 05:01

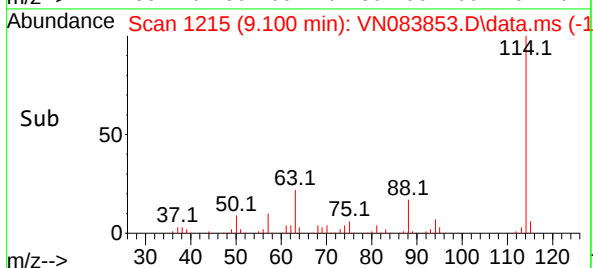
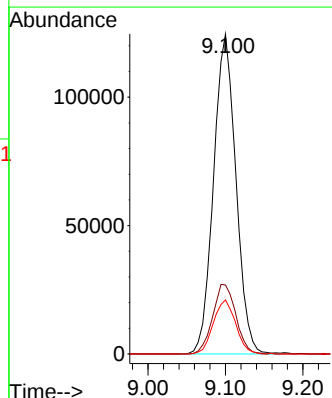
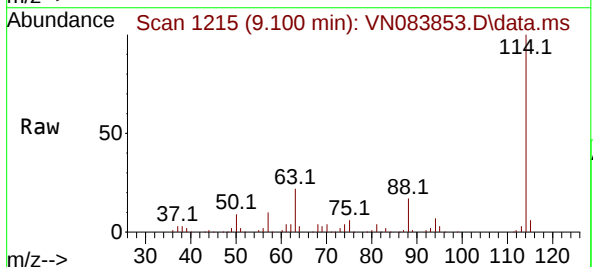
Tgt Ion: 114 Resp: 250556

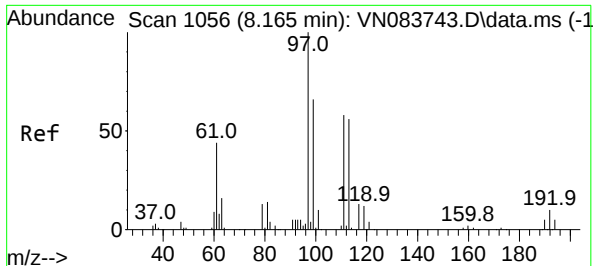
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.4

88 16.9 0.0 32.6

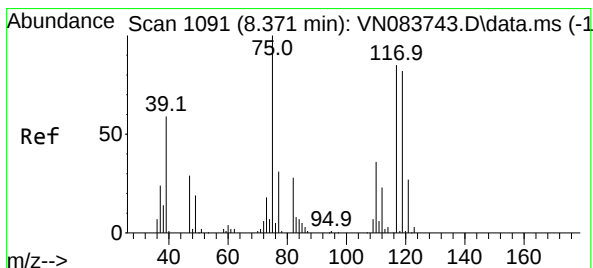
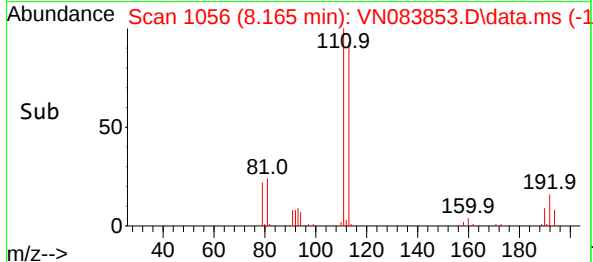
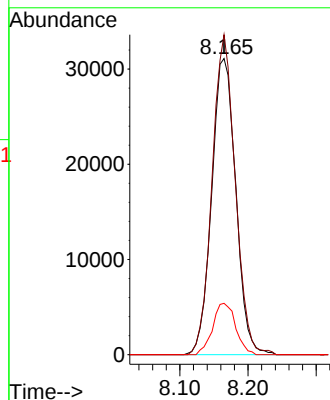
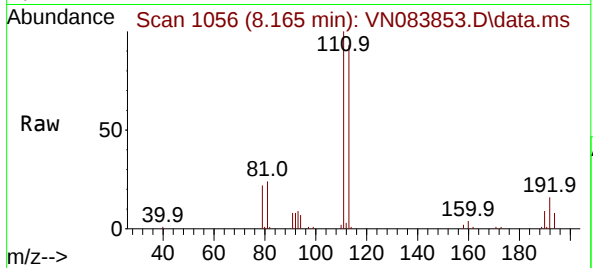




#35
Dibromofluoromethane
Concen: 47.743 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

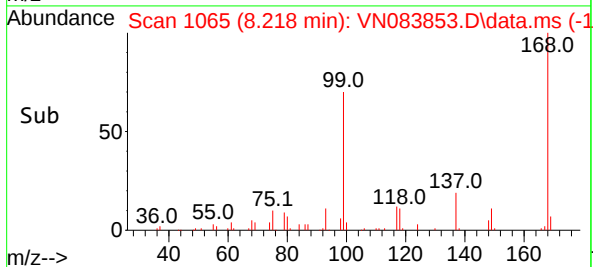
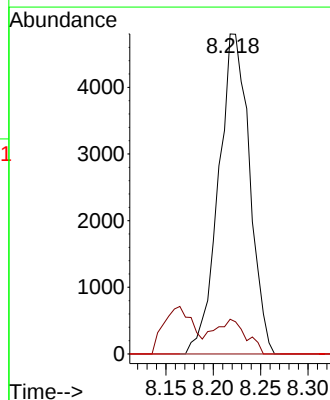
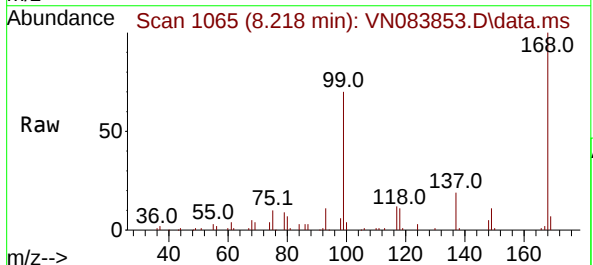
Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

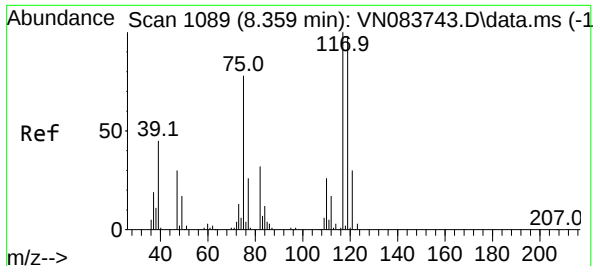
Tgt Ion:113 Resp: 76581
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 16.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion: 75 Resp: 10937
Ion Ratio Lower Upper
75 100
110 11.3 16.7 50.1#
77 0.0 25.2 37.8#

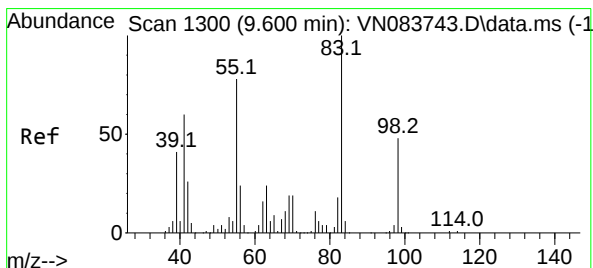
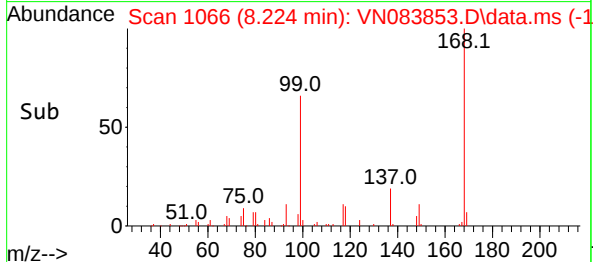
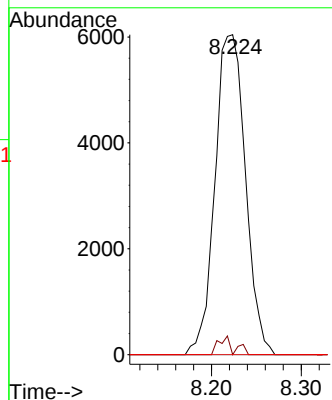
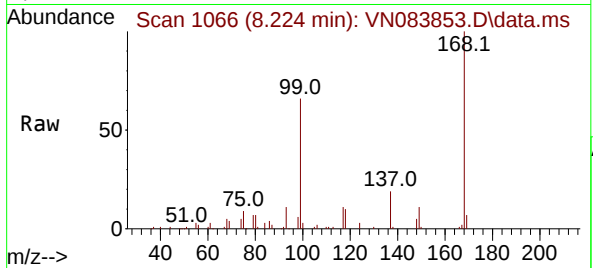




#38
Carbon Tetrachloride
Concen: 5.205 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

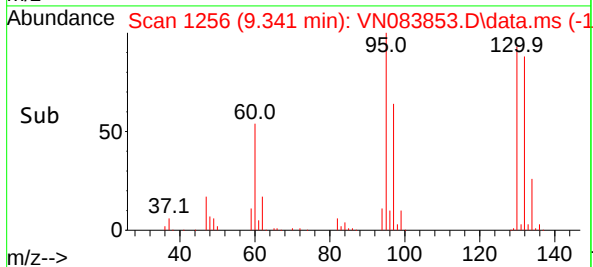
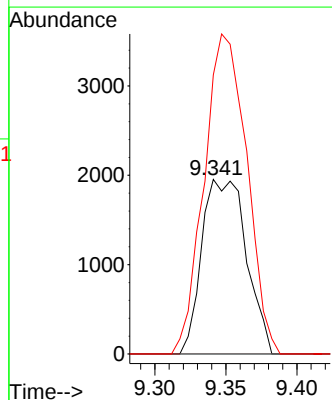
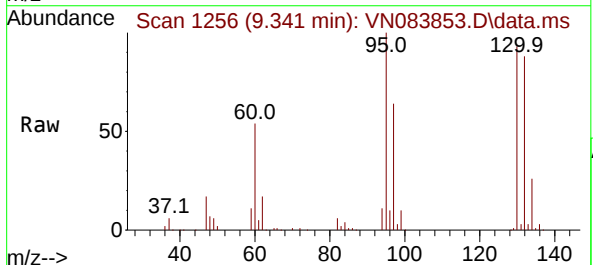
Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

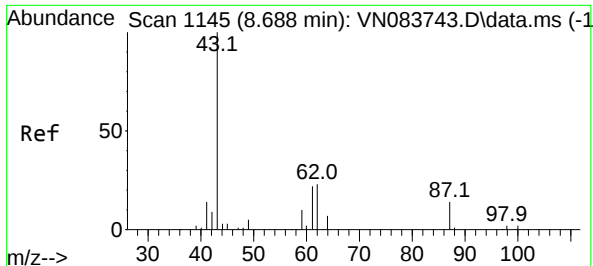
Tgt Ion:117 Resp: 14256
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 1.551 ug/l
RT: 9.341 min Scan# 1256
Delta R.T. -0.259 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion: 83 Resp: 4261
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 159.8 37.6 56.4#

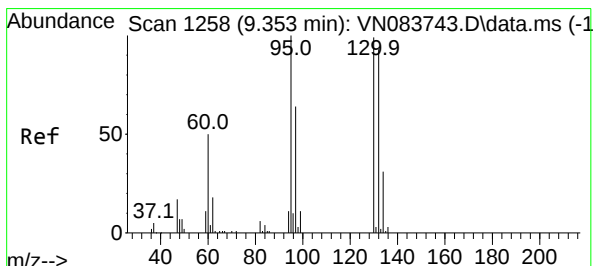
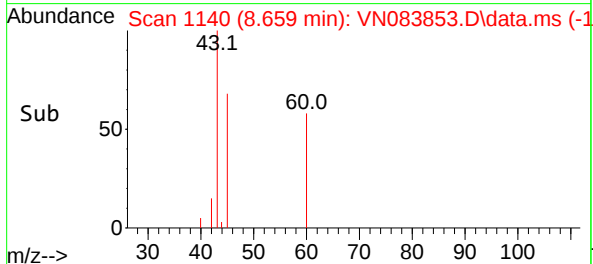
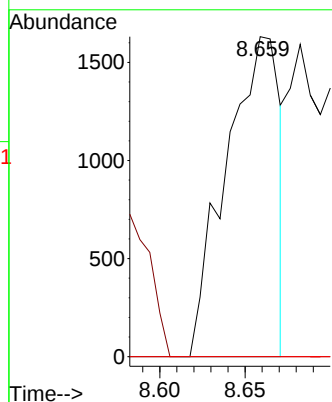
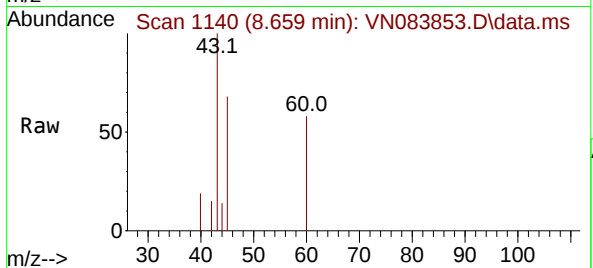




#43
Isopropyl Acetate
Concen: 0.897 ug/l
RT: 8.659 min Scan# 1145
Delta R.T. -0.030 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

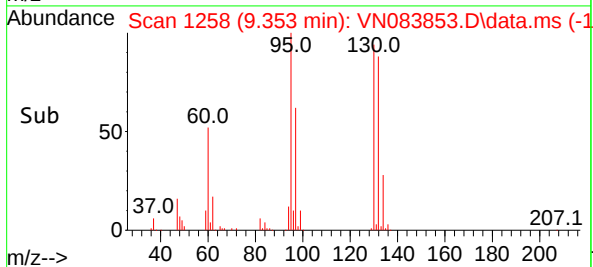
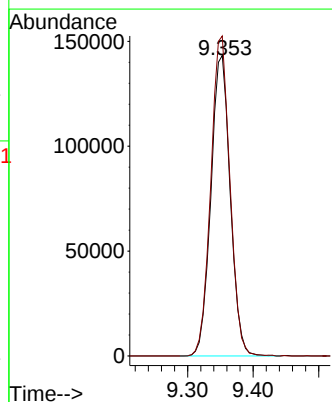
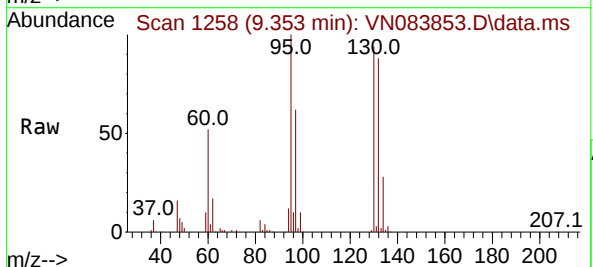
Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

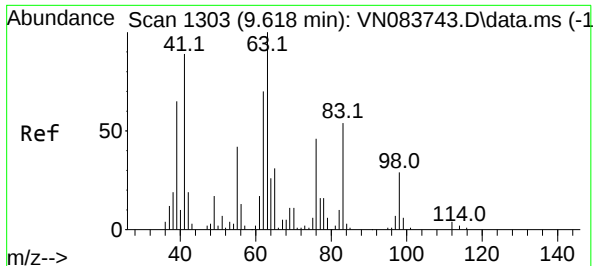
Tgt Ion: 43 Resp: 3561
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#44
Trichloroethene
Concen: 173.885 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion:130 Resp: 292609
Ion Ratio Lower Upper
130 100
95 106.5 0.0 200.4





#45

1,2-Dichloropropane

Concen: 0.530 ug/l

RT: 9.347 min Scan# 1

Delta R.T. -0.271 min

Lab File: VN083853.D

Acq: 13 Sep 2024 05:01

Instrument :

MSVOA_N

ClientSampleId :

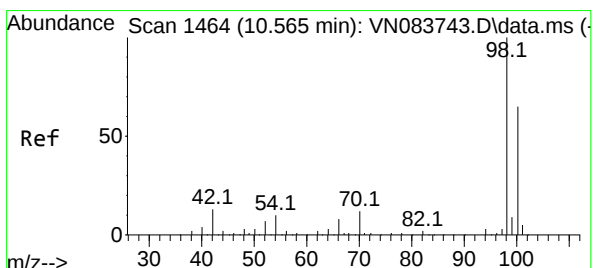
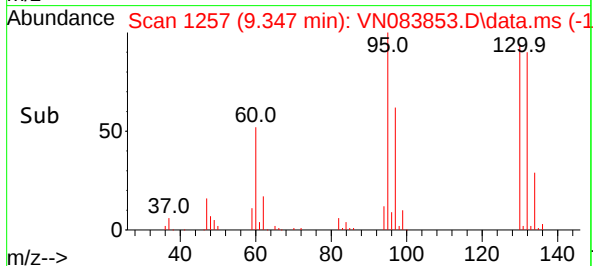
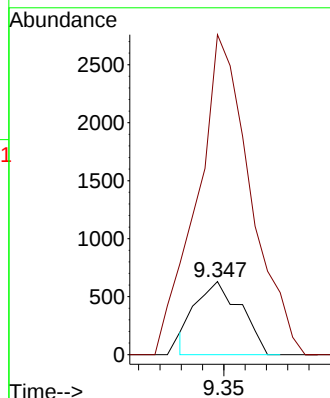
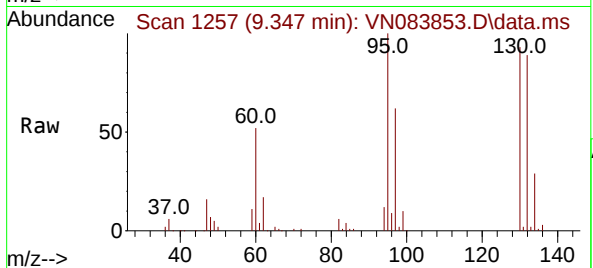
MW305I-20240910

Tgt Ion: 63 Resp: 931

Ion Ratio Lower Upper

63 100

65 353.0 25.9 38.9#



#50

Toluene-d8

Concen: 50.796 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083853.D

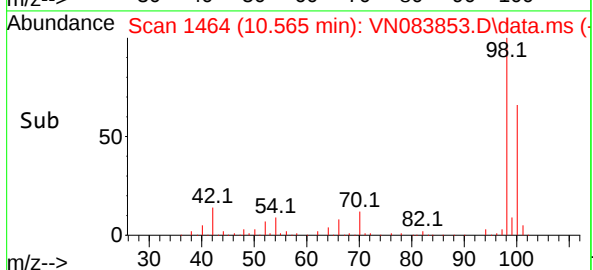
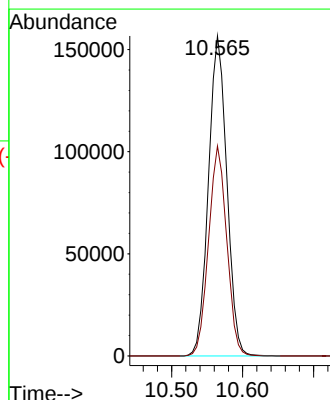
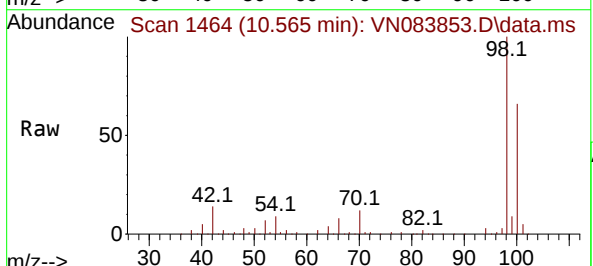
Acq: 13 Sep 2024 05:01

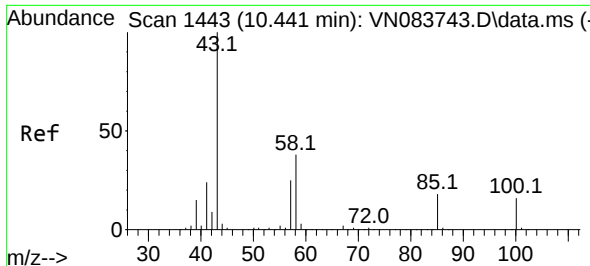
Tgt Ion: 98 Resp: 281674

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

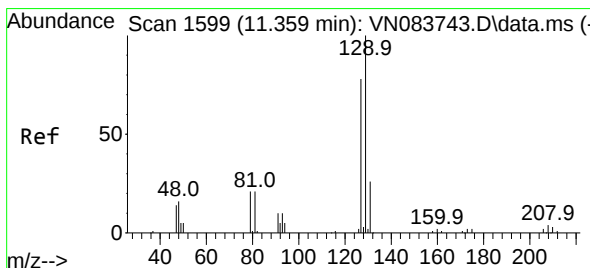
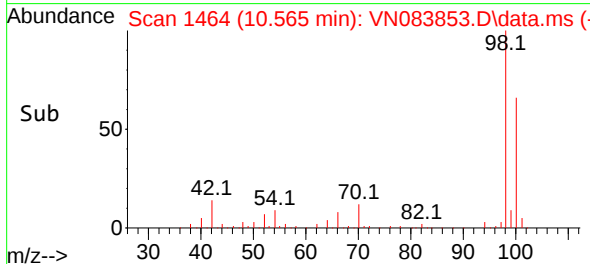
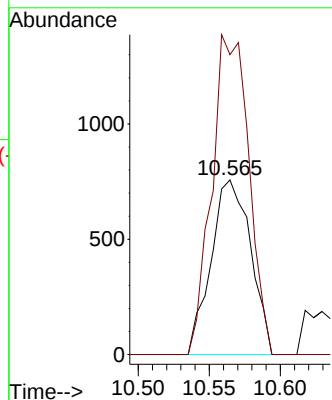
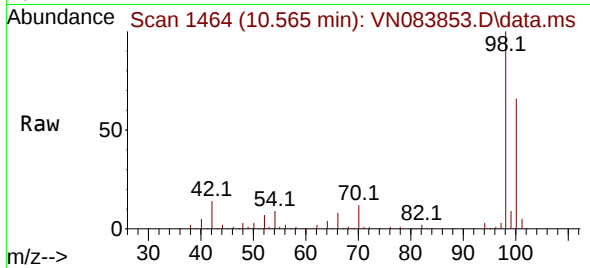




#51
4-Methyl-2-Pentanone
Concen: 0.678 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.123 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

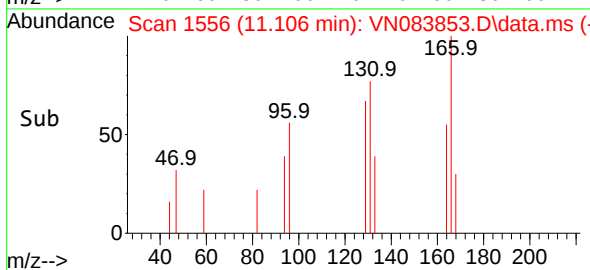
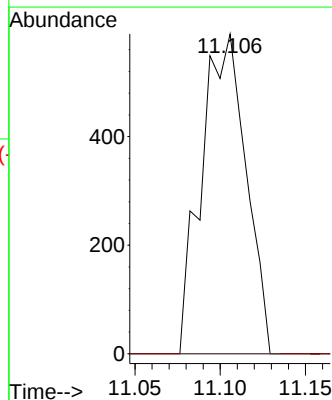
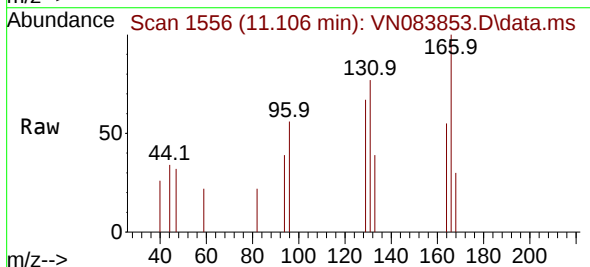
Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

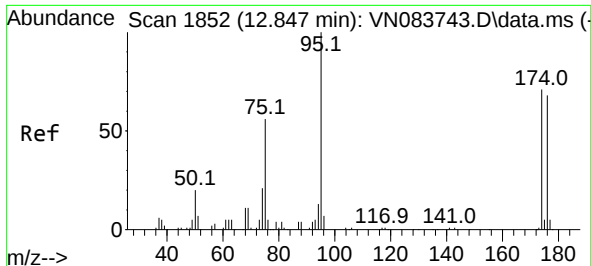
Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
58 171.5 31.6 47.4#



#60
Dibromochloromethane
Concen: 0.576 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion: 129 Resp: 1070
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

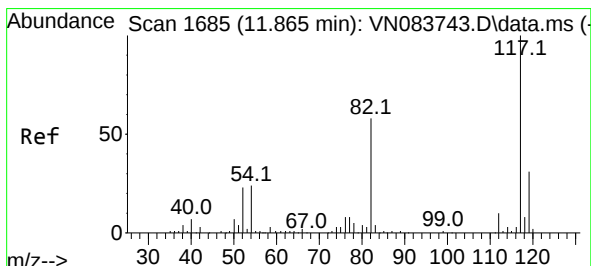
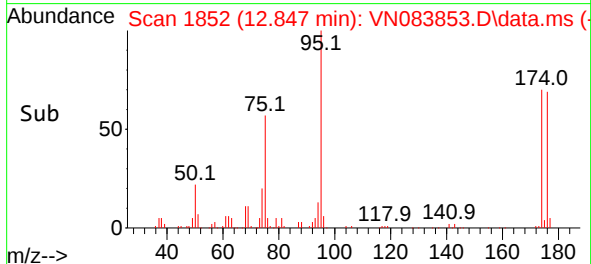
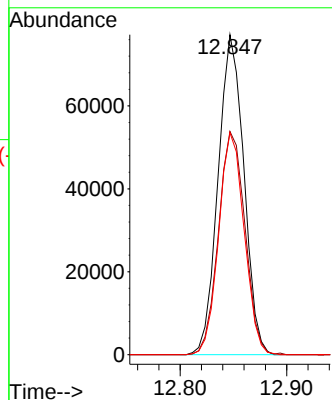
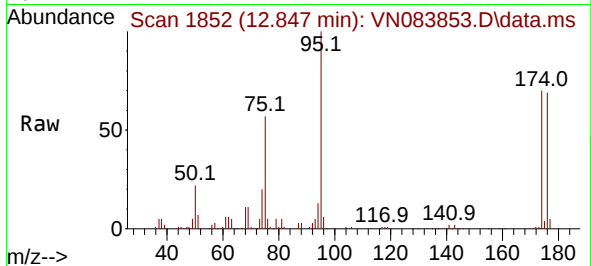




#62
4-Bromofluorobenzene
Concen: 56.639 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

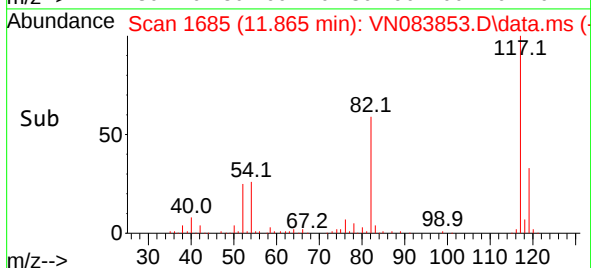
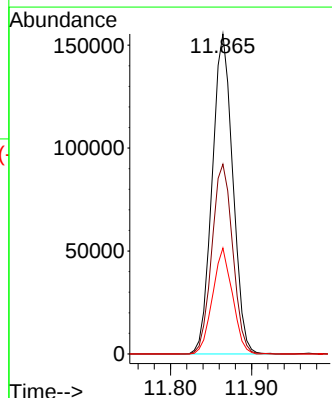
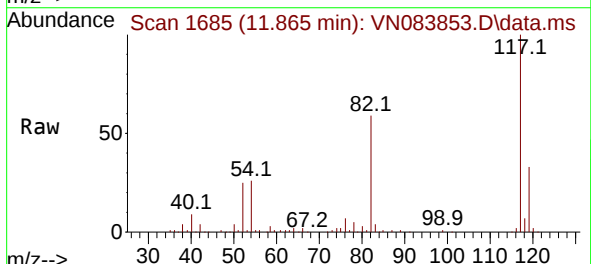
Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

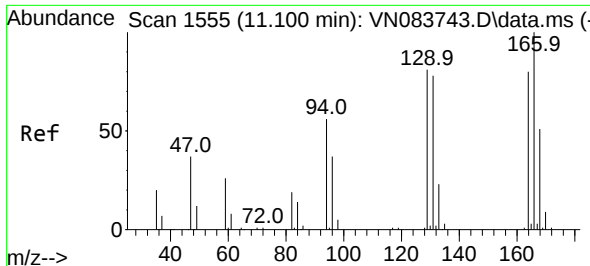
Tgt Ion: 95 Resp: 129580
Ion Ratio Lower Upper
95 100
174 71.9 0.0 139.8
176 68.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion: 117 Resp: 273813
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.0
119 33.1 26.3 39.5

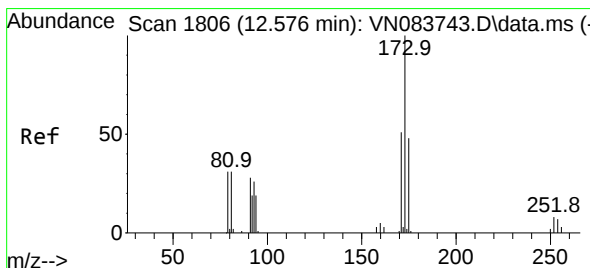
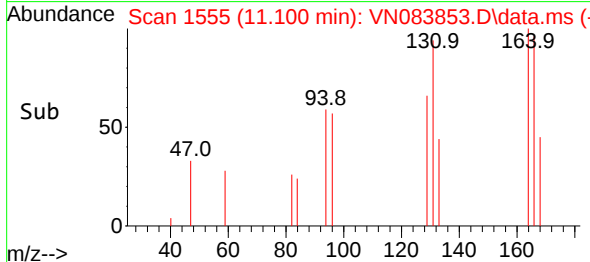
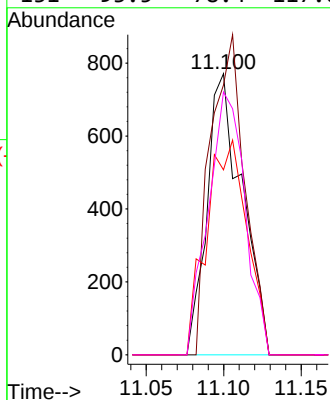
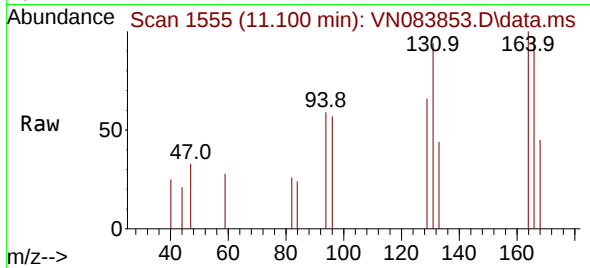




#64
Tetrachloroethene
Concen: 0.667 ug/l
RT: 11.100 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

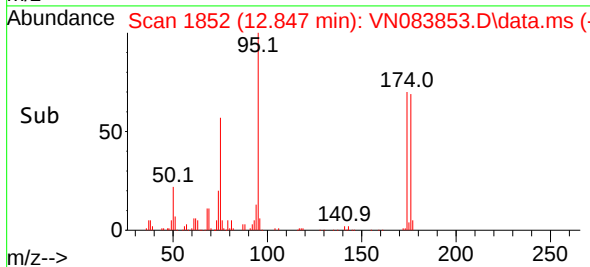
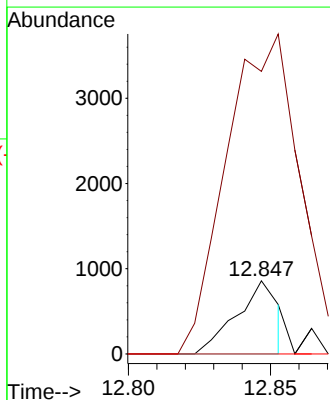
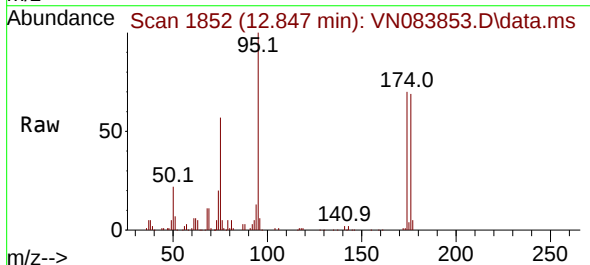
Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

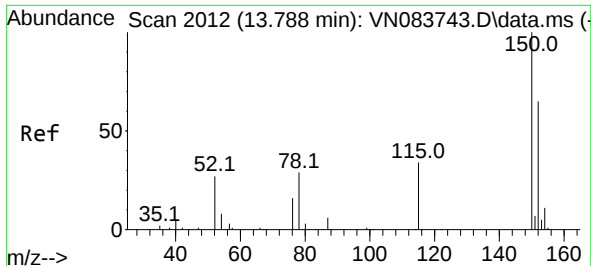
Tgt Ion:164	Resp:	1215
Ion	Ratio	Lower Upper
164	100	
166	96.0	103.7 155.5#
129	65.8	79.9 119.9#
131	93.5	78.4 117.6



#71
Bromoform
Concen: 0.619 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion:173	Resp:	880
Ion	Ratio	Lower Upper
173	100	
175	437.8	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: VN083853.D

Acq: 13 Sep 2024 05:01

Instrument :

MSVOA_N

ClientSampleId :

MW305I-20240910

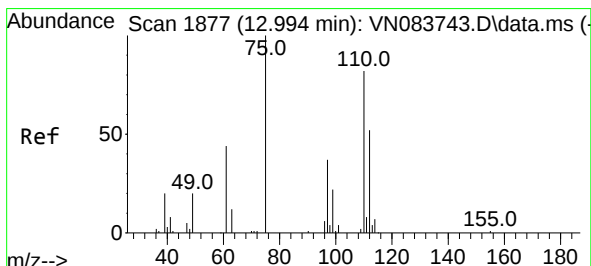
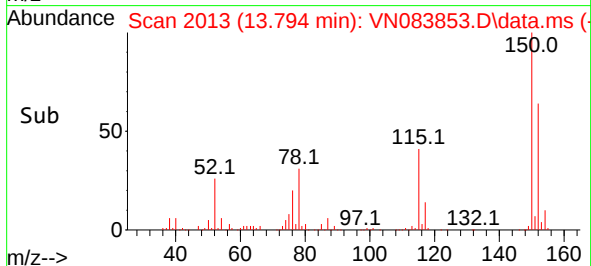
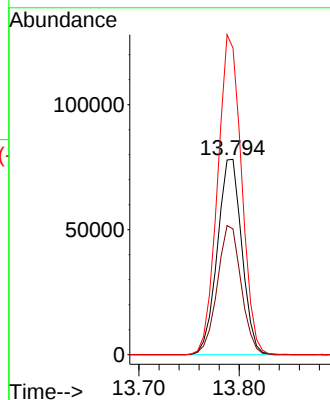
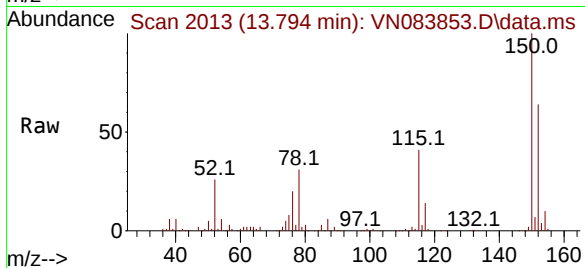
Tgt Ion:152 Resp: 132218

Ion Ratio Lower Upper

152 100

115 64.8 32.2 96.6

150 160.6 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 28.088 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083853.D

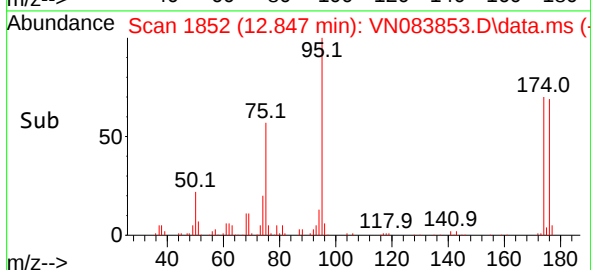
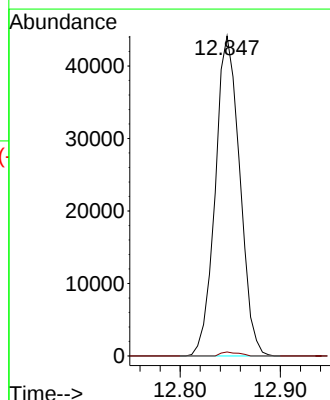
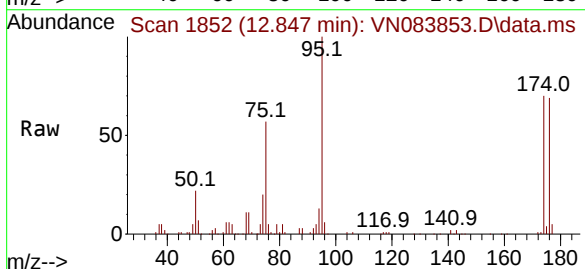
Acq: 13 Sep 2024 05:01

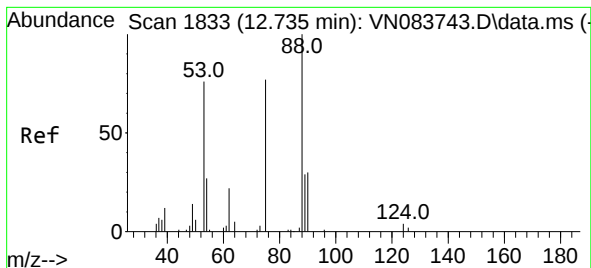
Tgt Ion: 75 Resp: 74936

Ion Ratio Lower Upper

75 100

77 0.9 95.2 285.6#

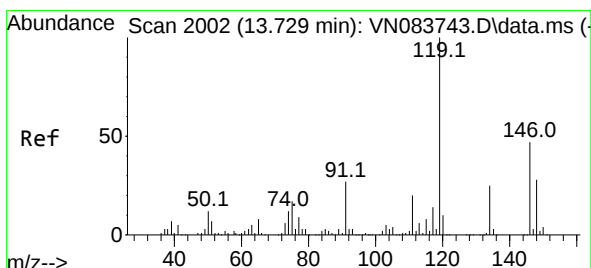
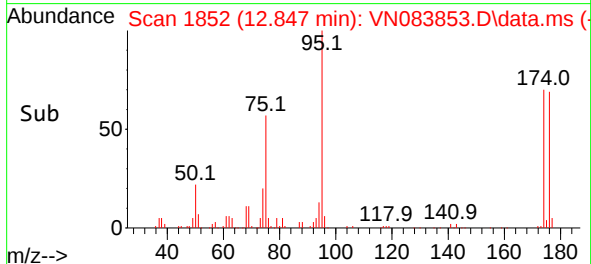
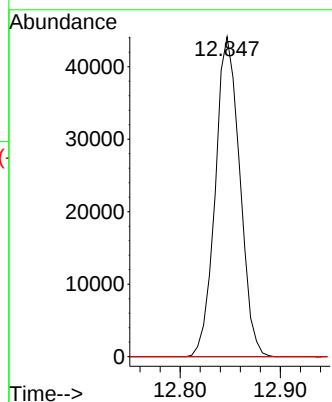
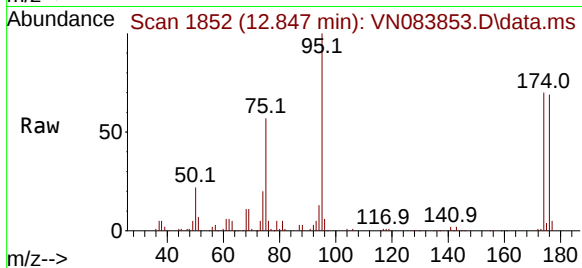




#81
trans-1,4-Dichloro-2-butene
Concen: 73.565 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

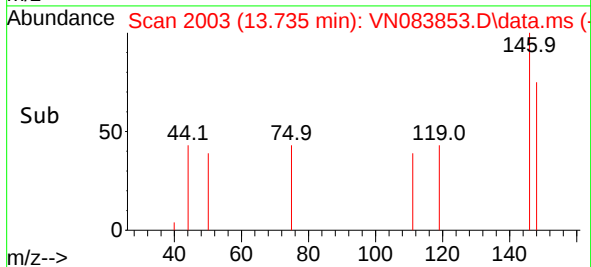
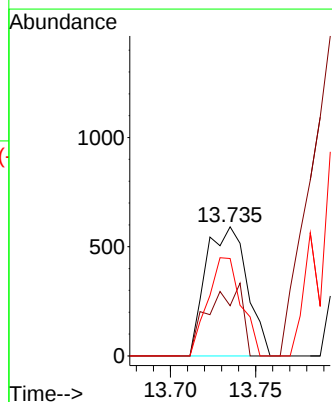
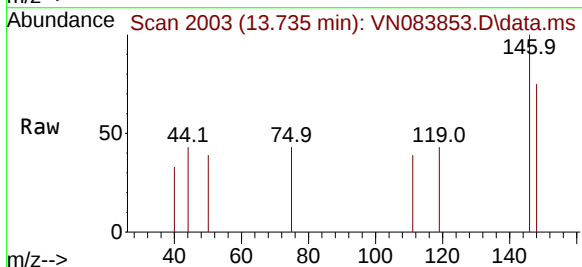
Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

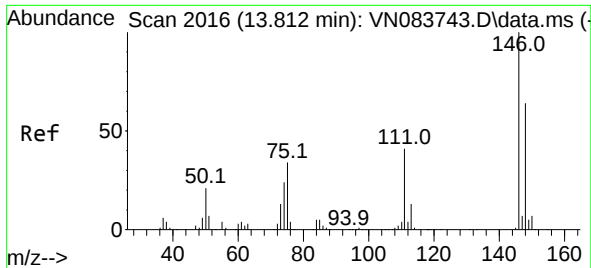
Tgt Ion: 75 Resp: 74936
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#87
1,3-Dichlorobenzene
Concen: 0.214 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion: 146 Resp: 994
Ion Ratio Lower Upper
146 100
111 44.4 21.7 65.1
148 61.9 31.7 95.1

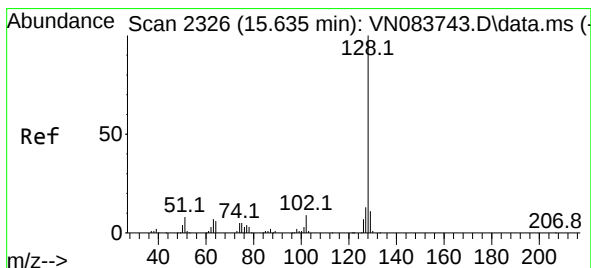
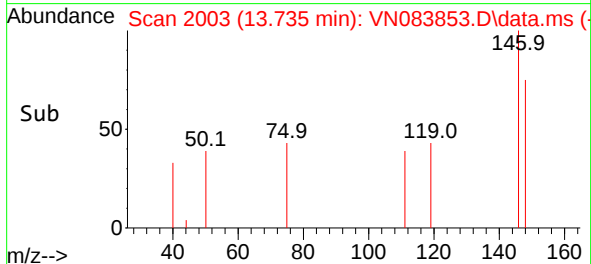
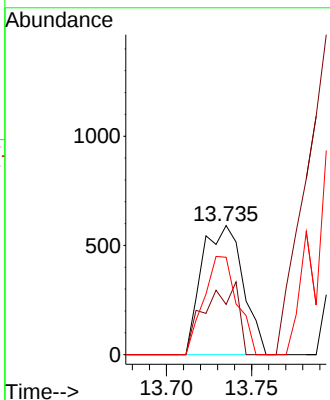
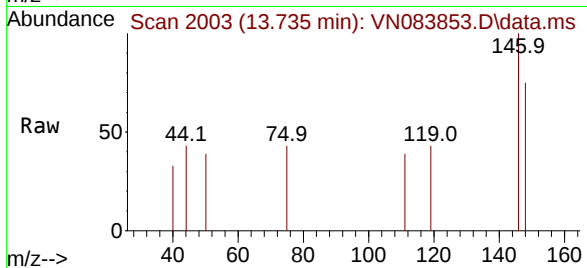




#88
1,4-Dichlorobenzene
Concen: 0.211 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Instrument :
MSVOA_N
ClientSampleId :
MW305I-20240910

Tgt Ion:146 Resp: 994
Ion Ratio Lower Upper
146 100
111 44.4 21.3 64.0
148 61.9 32.0 96.2



#95
Naphthalene
Concen: 0.204 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN083853.D
Acq: 13 Sep 2024 05:01

Tgt Ion:128 Resp: 1490
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.7 13.1#

