

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100124\
 Data File : VN084241.D
 Acq On : 01 Oct 2024 15:54
 Operator : JC\MD
 Sample : P4116-23RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT174I1-20240918RE

Quant Time: Oct 02 02:04:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

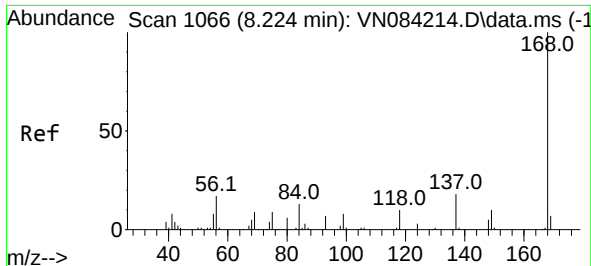
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	154710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	90676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114642	49.978	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.960%
35) Dibromofluoromethane	8.165	113	89639	50.179	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.360%
50) Toluene-d8	10.565	98	327502	49.830	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.660%
62) 4-Bromofluorobenzene	12.847	95	100313	41.895	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	83.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	708	0.339	ug/l	95
6) Chloroethane	3.124	64	393	0.271	ug/l #	45
12) 1,1-Dichloroethene	4.353	96	1408	0.808	ug/l #	58
16) Acetone	4.436	43	382	0.388	ug/l #	44
24) 1,1-Dichloroethane	6.571	63	13038	3.726	ug/l #	97
30) Chloroform	7.965	83	1078	0.297	ug/l #	79
31) Cyclohexane	8.224	56	4128	1.215	ug/l #	1
32) 1,1,1-Trichloroethane	8.171	97	1083	0.332	ug/l #	35
36) 1,1-Dichloropropene	8.218	75	13926	5.367	ug/l #	52
38) Carbon Tetrachloride	8.224	117	17396	6.112	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	555	0.202	ug/l #	75
44) Trichloroethene	9.353	130	1963	1.040	ug/l	85
51) 4-Methyl-2-Pentanone	10.565	43	1541	0.608	ug/l #	1
60) Dibromochloromethane	11.106	129	1040	0.498	ug/l #	11
64) Tetrachloroethene	11.100	164	978	0.613	ug/l #	76
76) 1,2,3-Trichloropropane	12.847	75	54693	29.545	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54693	70.833	ug/l #	11

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

Quant Time: Oct 02 02:04:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

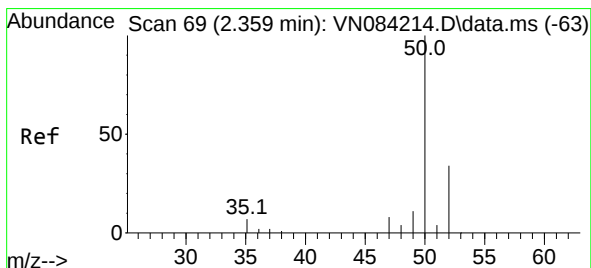
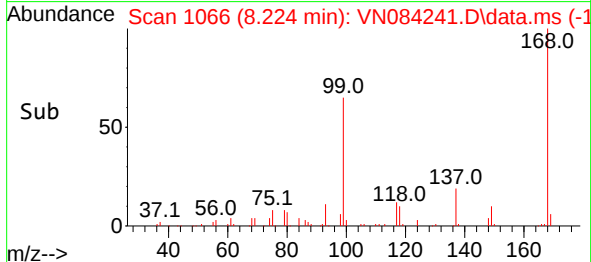
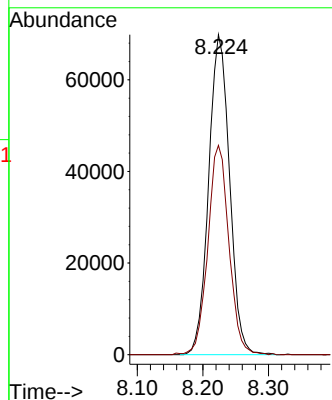
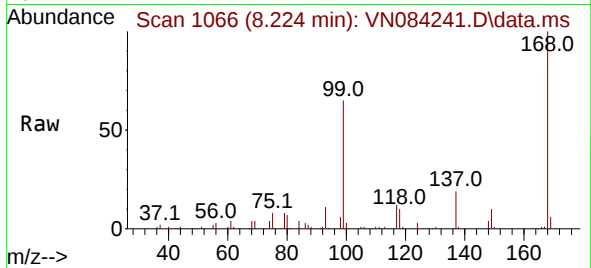




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

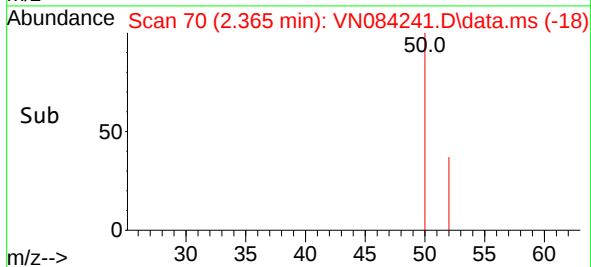
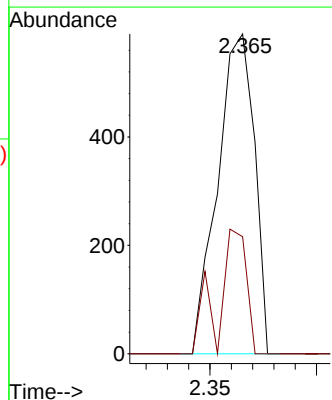
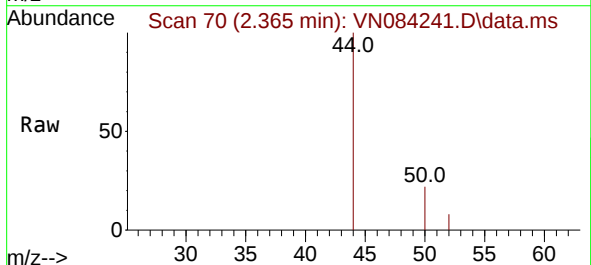
Instrument :
MSVOA_N
ClientSampleId :
TT17411-20240918RE

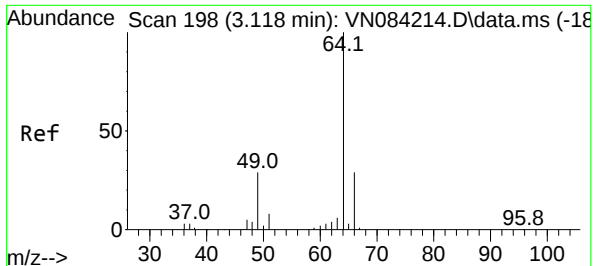
Tgt Ion:168 Resp: 154710
Ion Ratio Lower Upper
168 100
99 65.4 54.2 81.2



#3
Chloromethane
Concen: 0.339 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

Tgt Ion: 50 Resp: 708
Ion Ratio Lower Upper
50 100
52 36.6 26.8 40.2

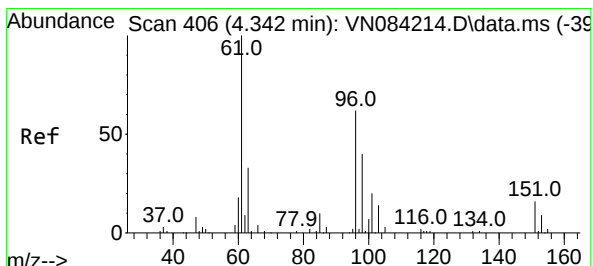
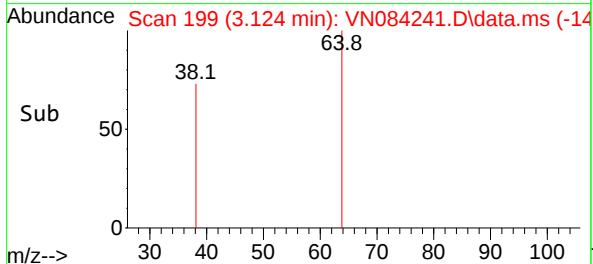
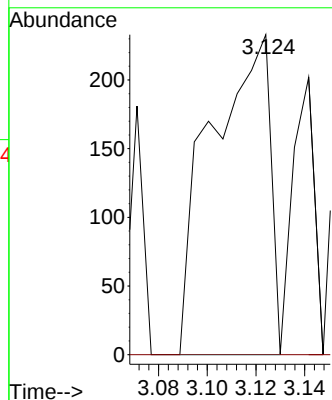
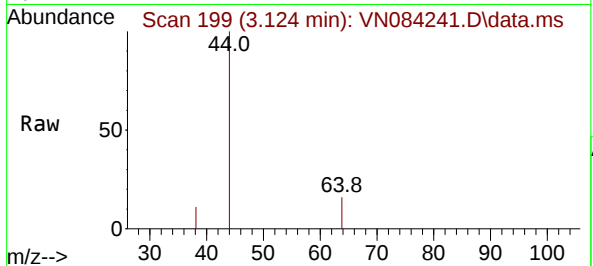




#6
Chloroethane
Concen: 0.271 ug/l
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

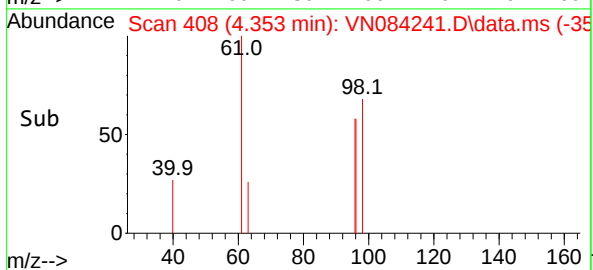
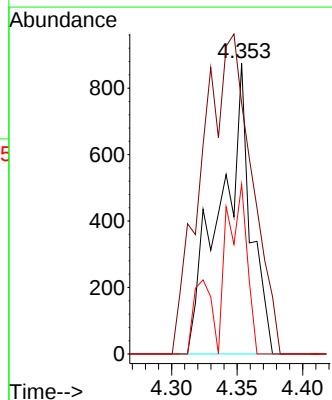
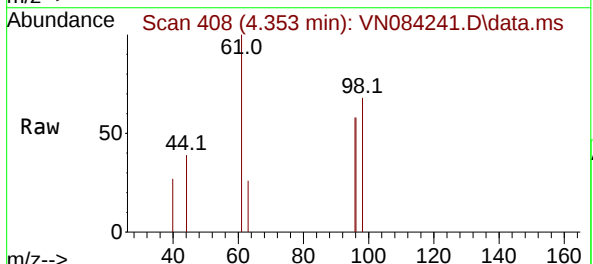
Instrument :
MSVOA_N
ClientSampleId :
TT17411-20240918RE

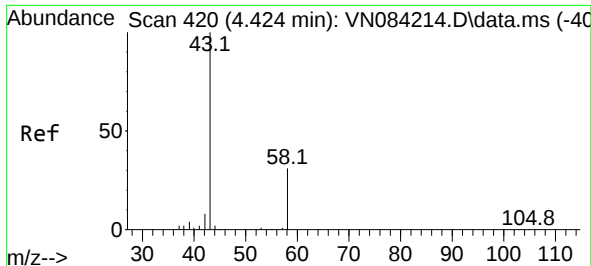
Tgt Ion: 64 Resp: 393
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#12
1,1-Dichloroethene
Concen: 0.808 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

Tgt Ion: 96 Resp: 1408
Ion Ratio Lower Upper
96 100
61 86.2 128.6 192.8#
98 58.4 51.7 77.5





#16

Acetone

Concen: 0.388 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN084241.D

Acq: 01 Oct 2024 15:54

Instrument :

MSVOA_N

ClientSampleId :

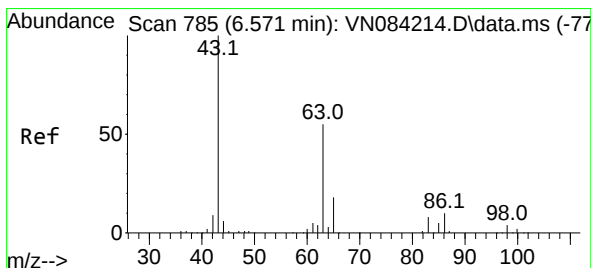
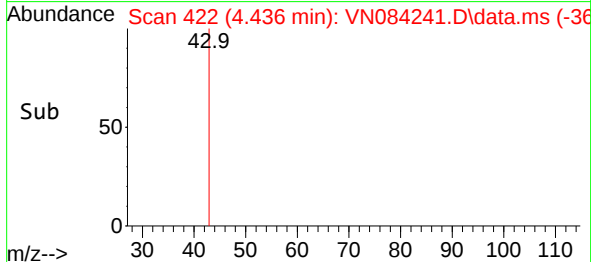
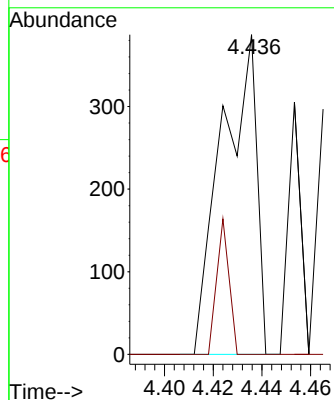
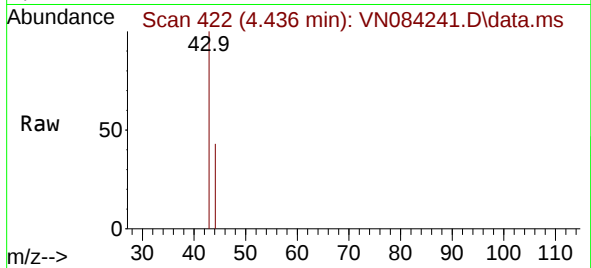
TT17411-20240918RE

Tgt Ion: 43 Resp: 382

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#24

1,1-Dichloroethane

Concen: 3.726 ug/l

RT: 6.571 min Scan# 785

Delta R.T. 0.000 min

Lab File: VN084241.D

Acq: 01 Oct 2024 15:54

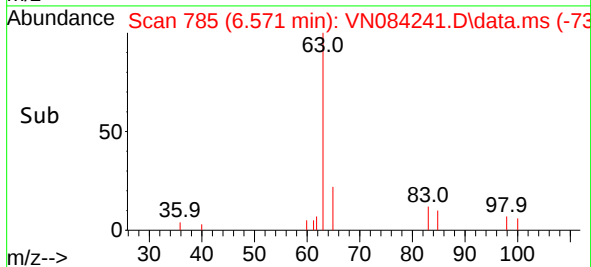
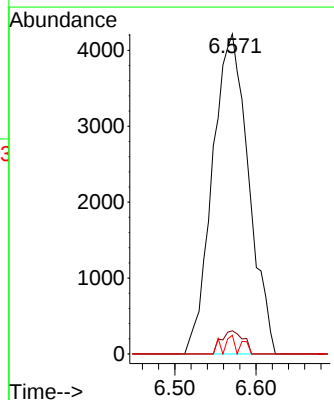
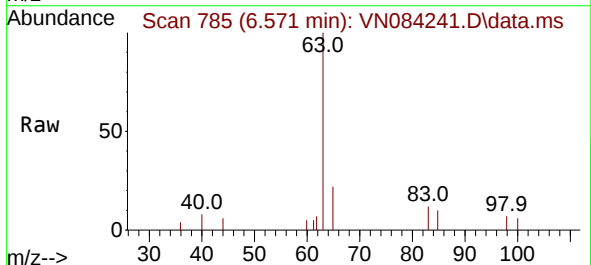
Tgt Ion: 63 Resp: 13038

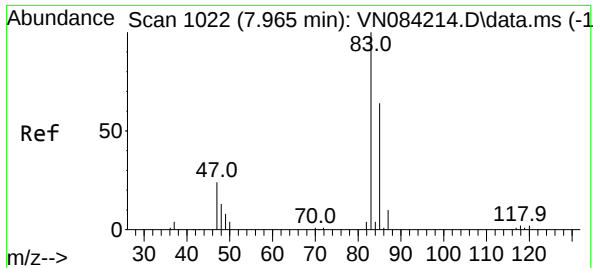
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 5.9 2.0 5.8#

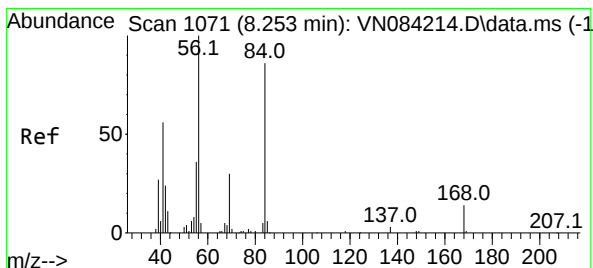
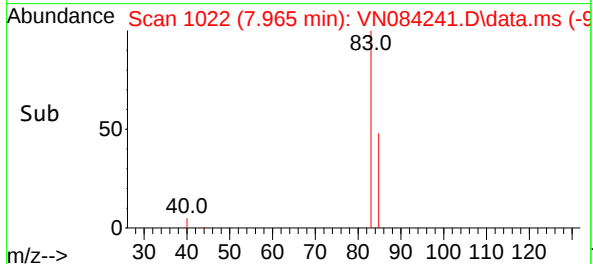
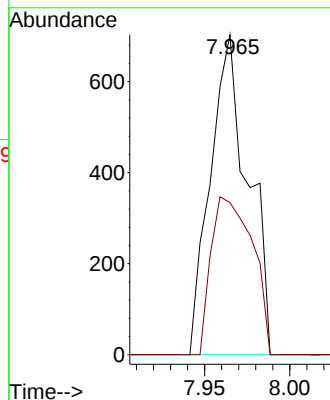
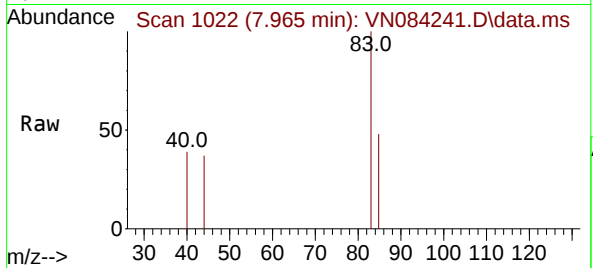




#30
Chloroform
Concen: 0.297 ug/l
RT: 7.965 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

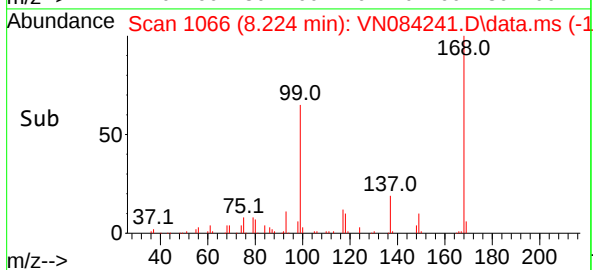
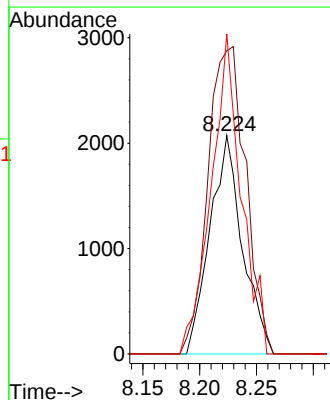
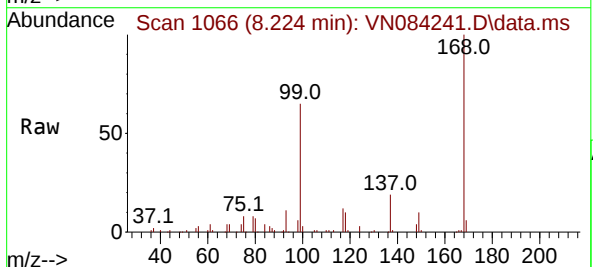
Instrument :
MSVOA_N
ClientSampleId :
TT17411-20240918RE

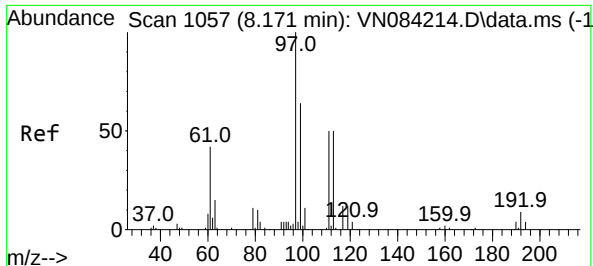
Tgt Ion: 83 Resp: 1078
Ion Ratio Lower Upper
83 100
85 47.5 51.0 76.4#



#31
Cyclohexane
Concen: 1.215 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

Tgt Ion: 56 Resp: 4128
Ion Ratio Lower Upper
56 100
69 138.9 23.8 35.6#
84 146.5 68.8 103.2#

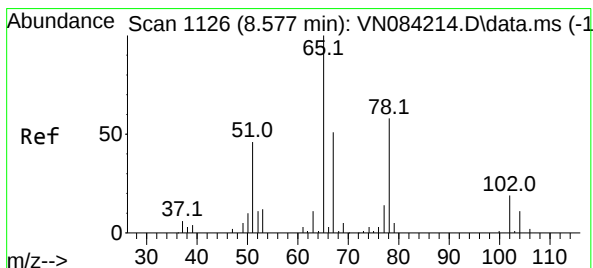
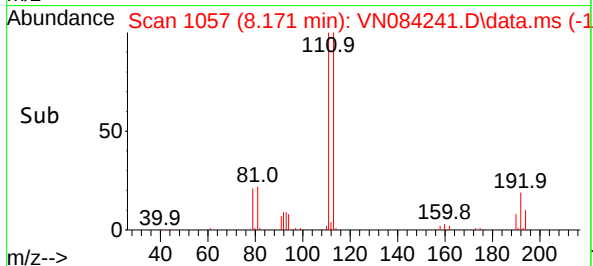
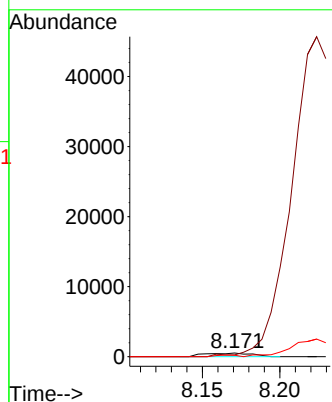
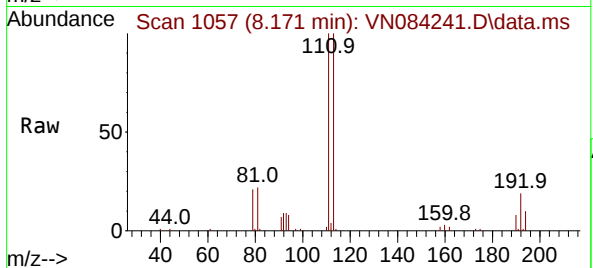




#32
 1,1,1-Trichloroethane
 Concen: 0.332 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: VN084241.D
 Acq: 01 Oct 2024 15:54

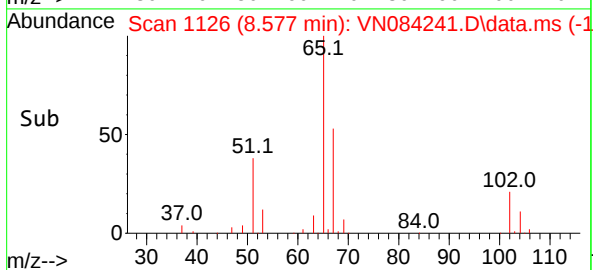
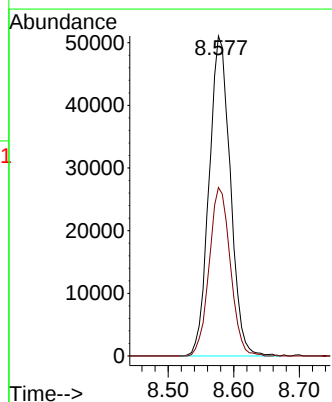
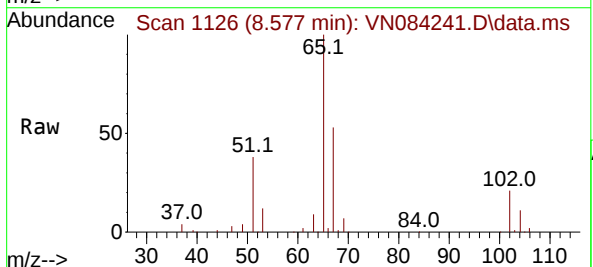
Instrument :
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 ClientSampleId :
 TT17411-20240918RE

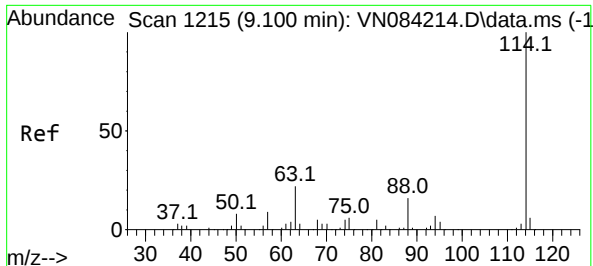
Tgt Ion: 97 Resp: 1083
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.2 76.8#
 61 19.4 37.5 56.3#



#33
 1,2-Dichloroethane-d4
 Concen: 49.978 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN084241.D
 Acq: 01 Oct 2024 15:54

Tgt Ion: 65 Resp: 114642
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.0

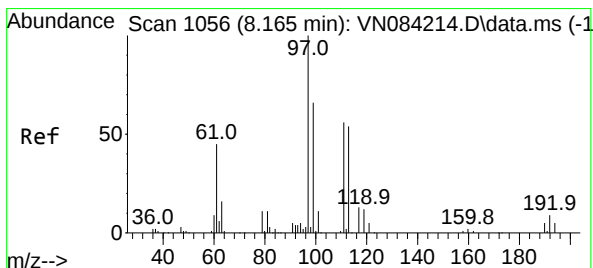
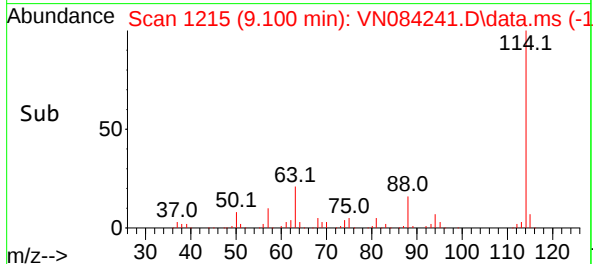
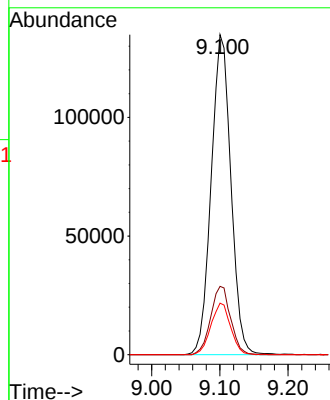
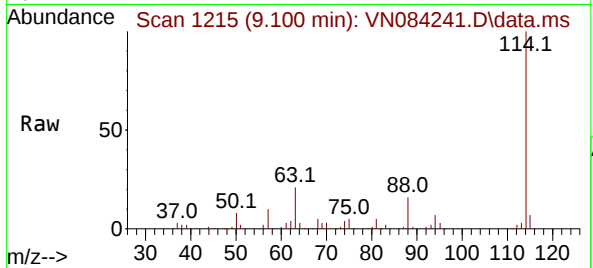




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

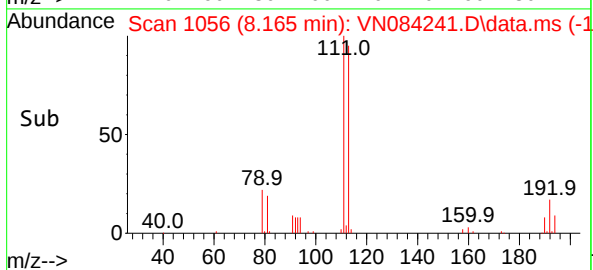
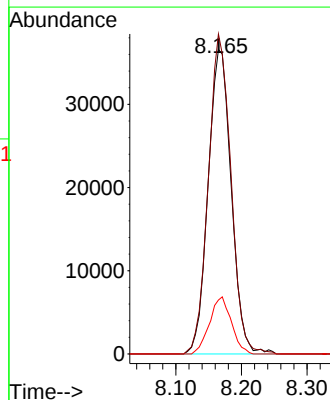
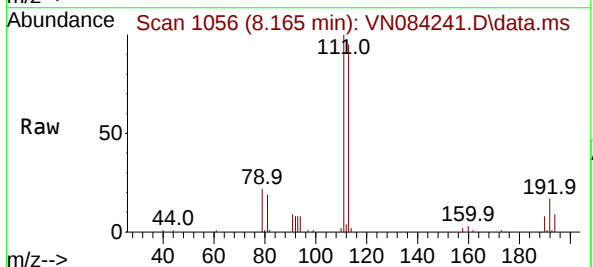
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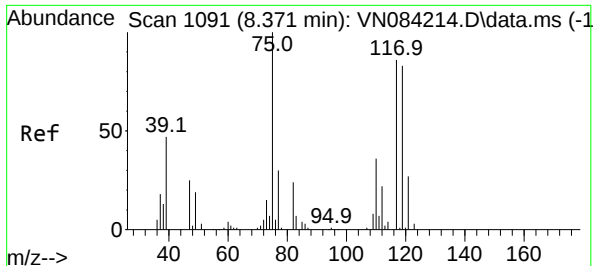
Tgt Ion:114 Resp: 270969
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.8
88 16.1 0.0 31.6



#35
Dibromofluoromethane
Concen: 50.179 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

Tgt Ion:113 Resp: 89639
Ion Ratio Lower Upper
113 100
111 102.5 83.3 124.9
192 17.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.367 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084241.D

Acq: 01 Oct 2024 15:54

Instrument :

MSVOA_N

ClientSampleId :

TT17411-20240918RE

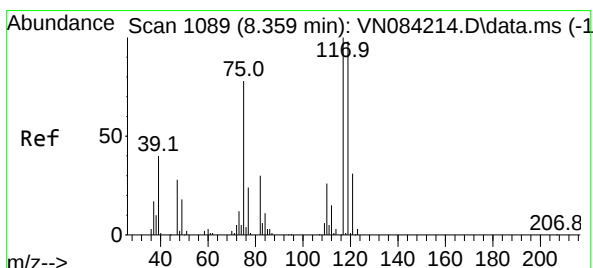
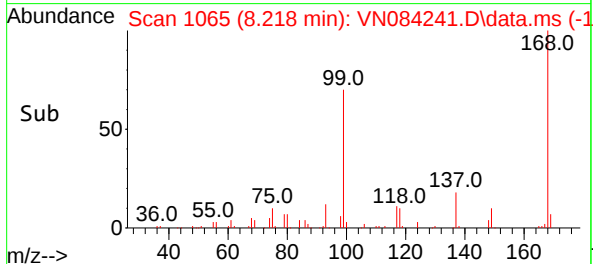
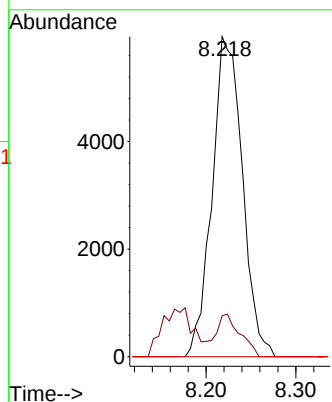
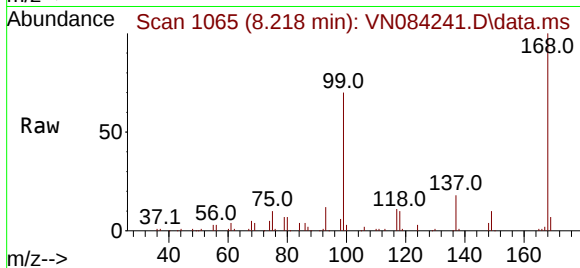
Tgt Ion: 75 Resp: 13926

Ion Ratio Lower Upper

75 100

110 10.5 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.112 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084241.D

Acq: 01 Oct 2024 15:54

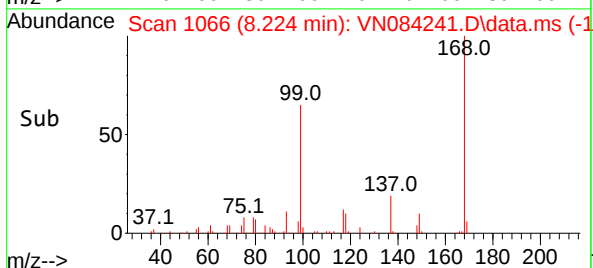
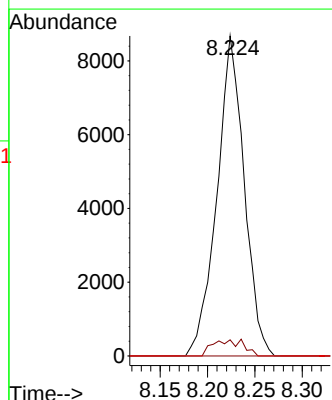
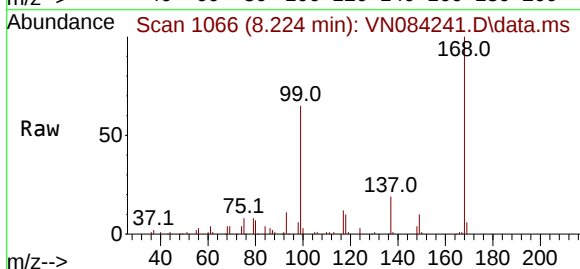
Tgt Ion: 117 Resp: 17396

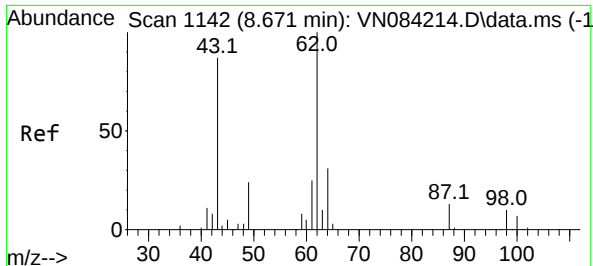
Ion Ratio Lower Upper

117 100

119 5.0 78.7 118.1#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.202 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN084241.D

Acq: 01 Oct 2024 15:54

Instrument :

MSVOA_N

ClientSampleId :

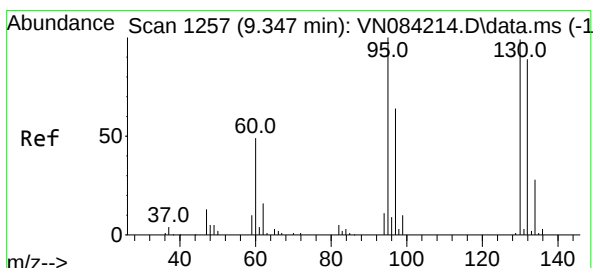
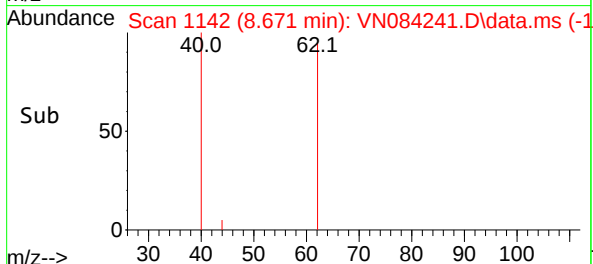
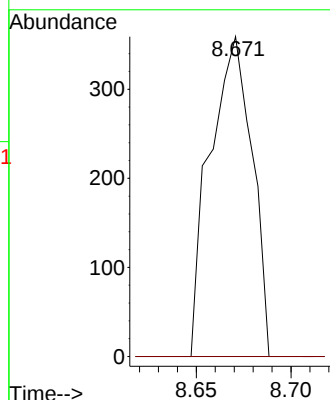
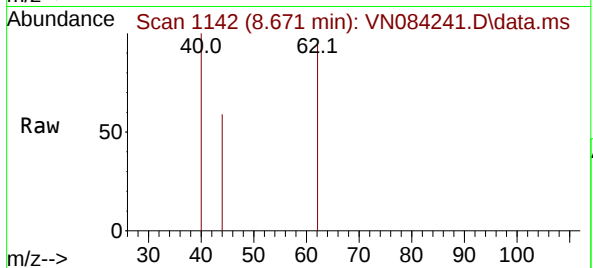
TT17411-20240918RE

Tgt Ion: 62 Resp: 555

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#44

Trichloroethene

Concen: 1.040 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.006 min

Lab File: VN084241.D

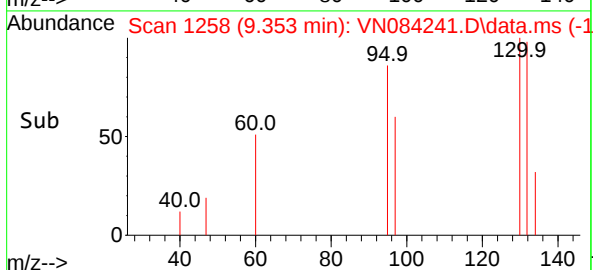
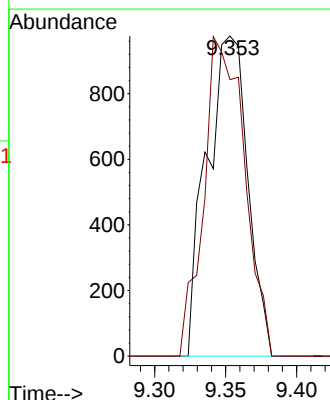
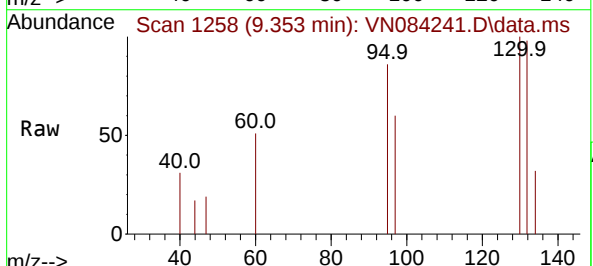
Acq: 01 Oct 2024 15:54

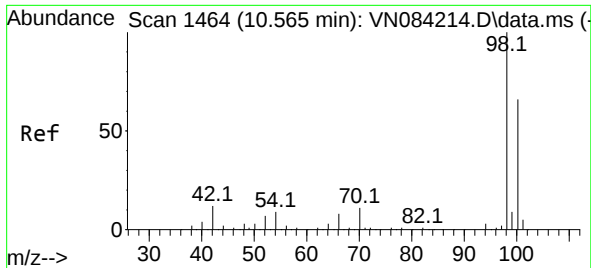
Tgt Ion: 130 Resp: 1963

Ion Ratio Lower Upper

130 100

95 86.4 0.0 203.0

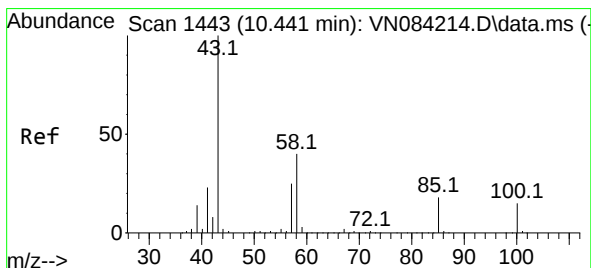
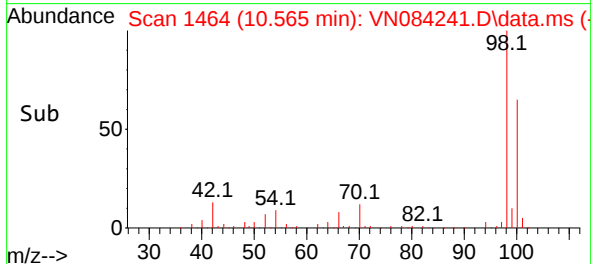
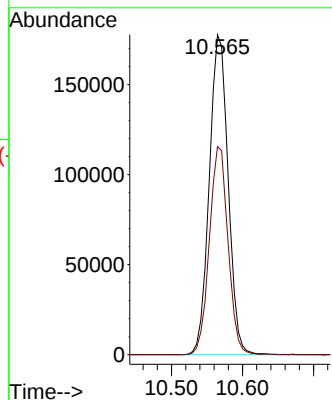
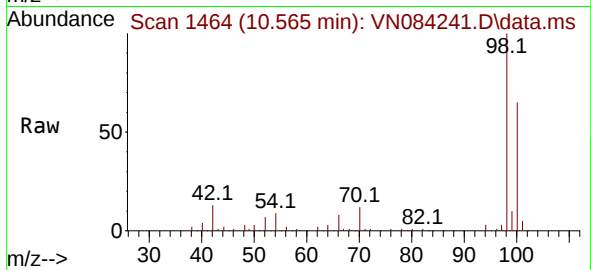




#50
Toluene-d8
Concen: 49.830 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

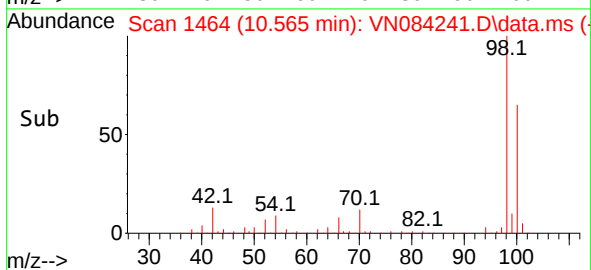
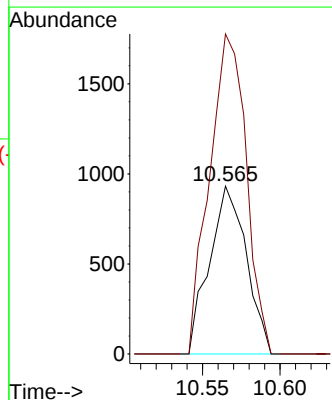
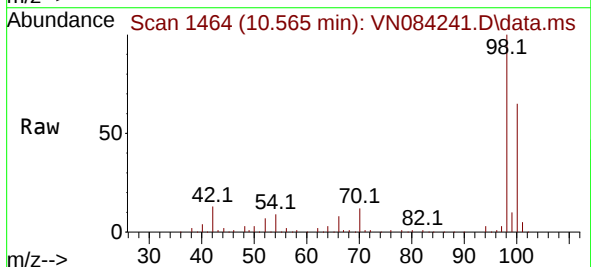
Instrument :
MSVOA_N
ClientSampleId :
TT17411-20240918RE

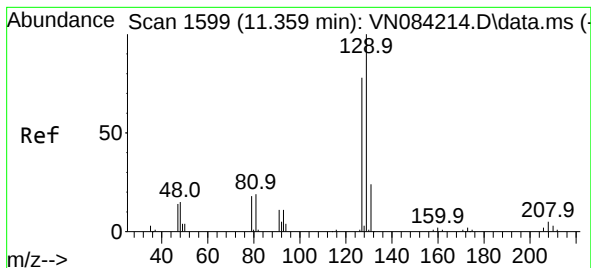
Tgt Ion: 98 Resp: 327502
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.608 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.124 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

Tgt Ion: 43 Resp: 1541
Ion Ratio Lower Upper
43 100
58 190.4 31.6 47.4#





#60

Dibromochloromethane

Concen: 0.498 ug/l

RT: 11.106 min Scan# 11

Delta R.T. -0.253 min

Lab File: VN084241.D

Acq: 01 Oct 2024 15:54

Instrument :

MSVOA_N

ClientSampleId :

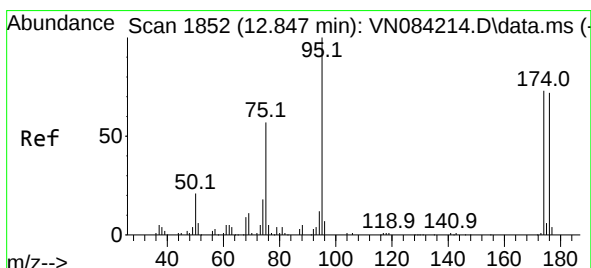
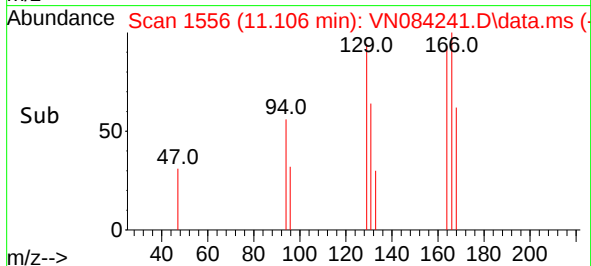
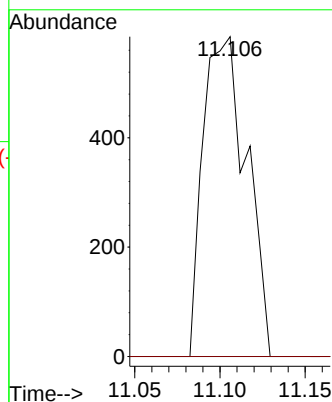
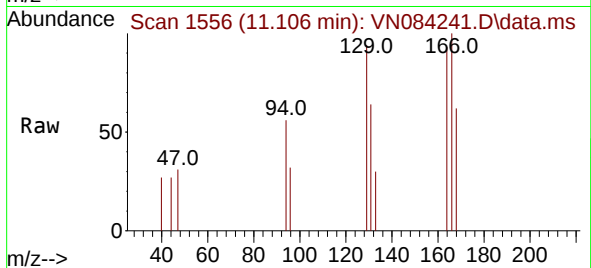
TT17411-20240918RE

Tgt Ion:129 Resp: 1040

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.9#



#62

4-Bromofluorobenzene

Concen: 41.895 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084241.D

Acq: 01 Oct 2024 15:54

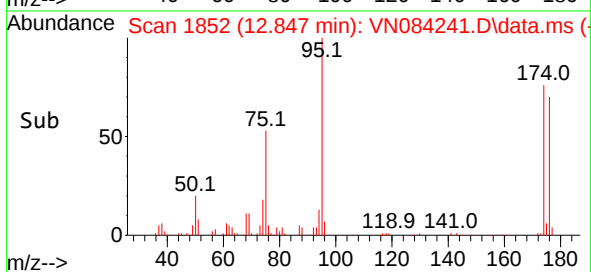
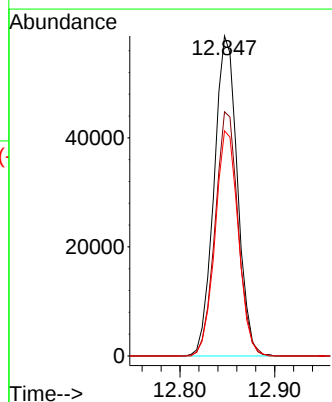
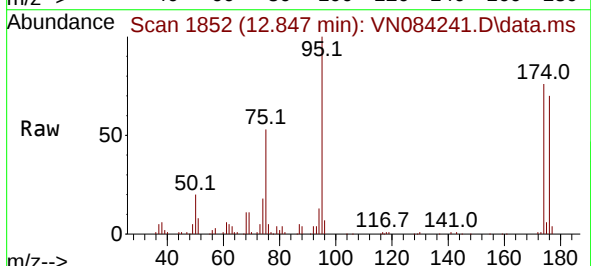
Tgt Ion: 95 Resp: 100313

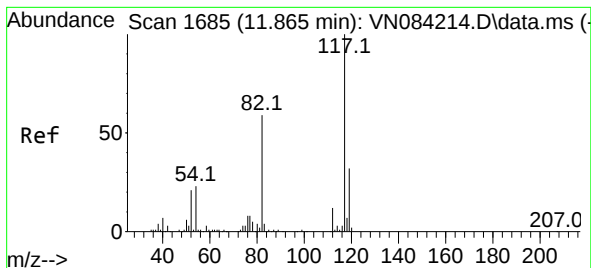
Ion Ratio Lower Upper

95 100

174 75.5 0.0 145.2

176 70.1 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084241.D

Acq: 01 Oct 2024 15:54

Instrument :

MSVOA_N

ClientSampleId :

TT174I1-20240918RE

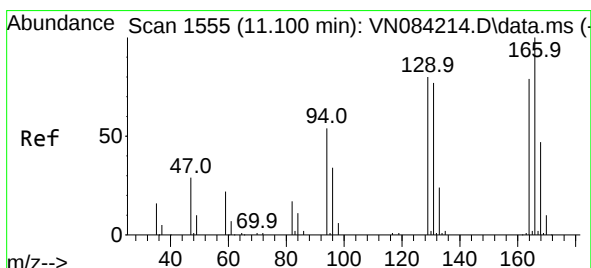
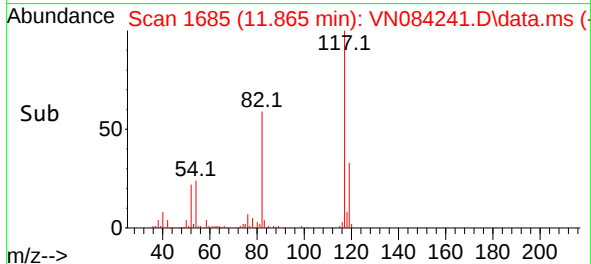
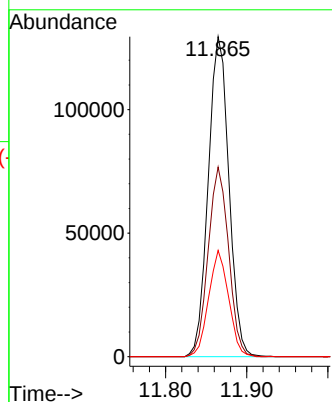
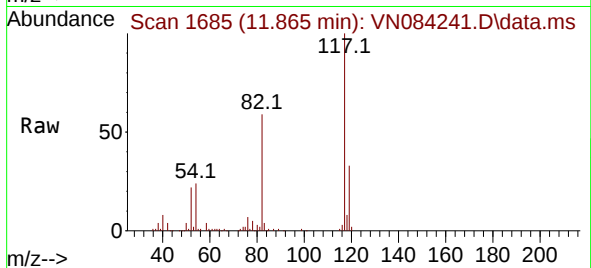
Tgt Ion:117 Resp: 229190

Ion Ratio Lower Upper

117 100

82 59.2 47.2 70.8

119 33.2 25.4 38.0



#64

Tetrachloroethene

Concen: 0.613 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VN084241.D

Acq: 01 Oct 2024 15:54

Tgt Ion:164 Resp: 978

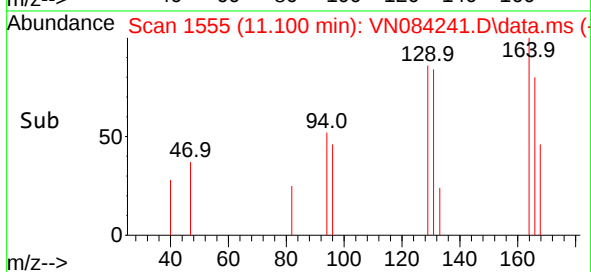
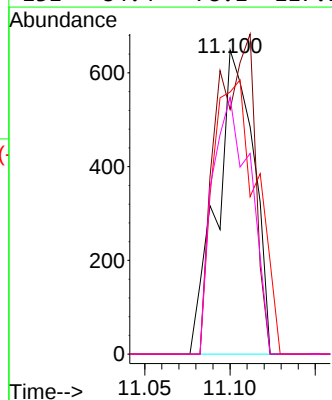
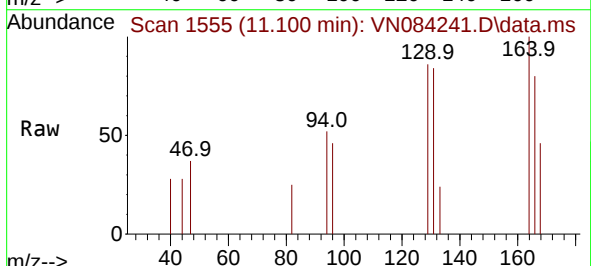
Ion Ratio Lower Upper

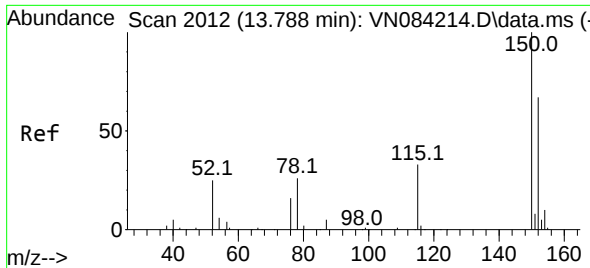
164 100

166 80.4 101.0 151.4#

129 86.1 80.8 121.2

131 84.4 78.1 117.1

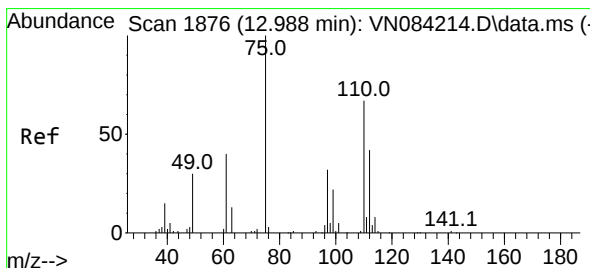
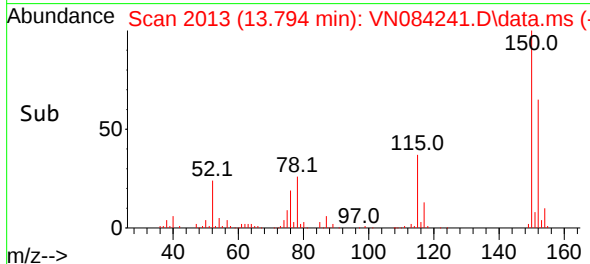
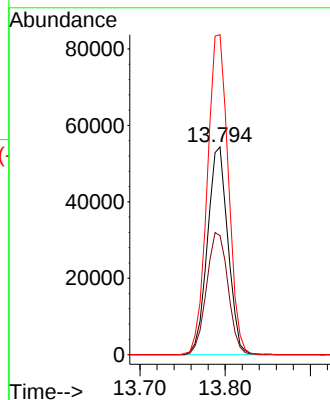
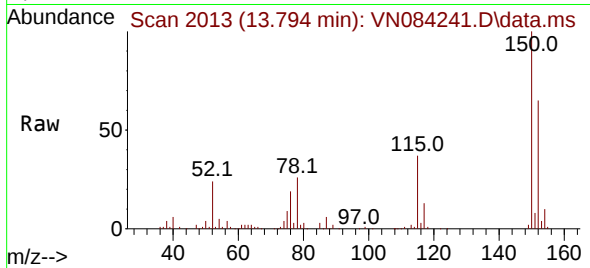




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

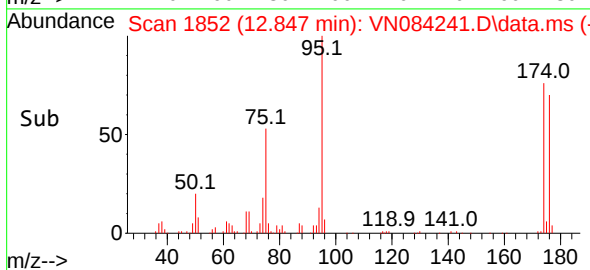
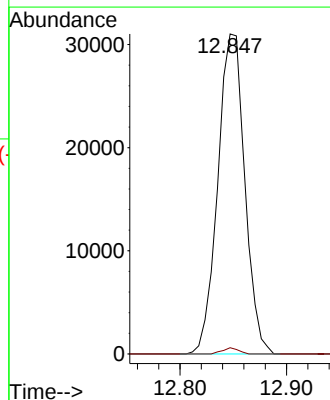
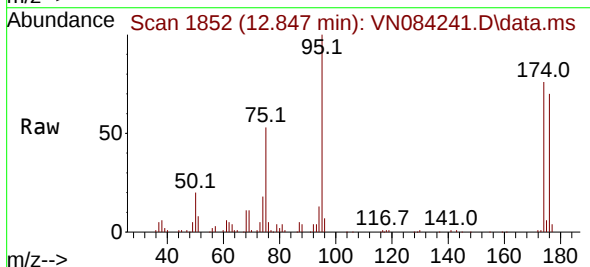
Instrument :
MSVOA_N
ClientSampleId :
TT17411-20240918RE

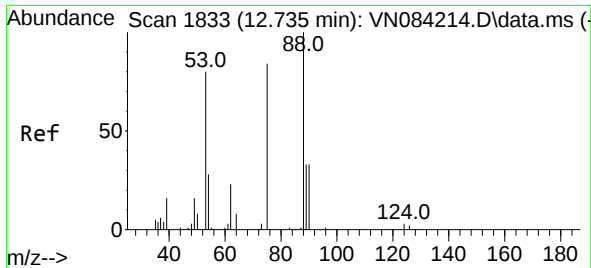
Tgt Ion:152 Resp: 90676
Ion Ratio Lower Upper
152 100
115 61.7 31.3 93.9
150 158.0 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 29.545 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

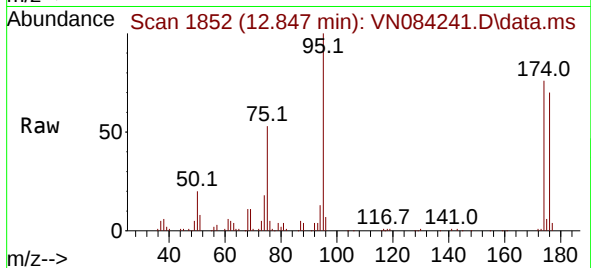
Tgt Ion: 75 Resp: 54693
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.833 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084241.D
Acq: 01 Oct 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :
TT17411-20240918RE



Tgt Ion: 75 Resp: 54693
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

