

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077791.D
 Acq On : 22 May 2023 15:53
 Operator : JC\MD
 Sample : 02880-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW8-MW01D3-20230518

Quant Time: May 23 04:20:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

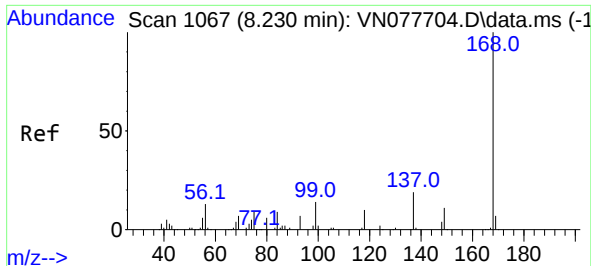
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	394946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	694606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	602996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	199828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	255660	43.263	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.520%		
35) Dibromofluoromethane	8.171	113	220752	48.737	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.480%		
50) Toluene-d8	10.576	98	848680	48.679	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.360%		
62) 4-Bromofluorobenzene	12.859	95	265903	43.184	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.360%		
Target Compounds						Qvalue
3) Chloromethane	2.377	50	1784	Below Cal		89
13) Acrolein	4.230	56	171	Below Cal	#	82
16) Acetone	4.447	43	3908	2.102	ug/l #	75
20) Methylene Chloride	5.277	84	1415	Below Cal	#	78
28) Bromochloromethane	7.841	49	786	0.207	ug/l #	5
29) Tetrahydrofuran	7.847	42	320137	168.109	ug/l	86
31) Cyclohexane	8.235	56	8969	1.117	ug/l #	22
36) 1,1-Dichloropropene	8.235	75	31579	4.767	ug/l #	50
38) Carbon Tetrachloride	8.230	117	43120	6.446	ug/l #	16
41) Methacrylonitrile	7.847	41	186545	59.320	ug/l #	36
44) Trichloroethene	9.359	130	1583	0.320	ug/l	70
51) 4-Methyl-2-Pentanone	10.571	43	3823	0.667	ug/l #	1
71) Bromoform	12.853	173	1263	0.420	ug/l #	28
76) 1,2,3-Trichloropropane	12.859	75	142339	28.443	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	142339	90.918	ug/l #	15

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

Quant Time: May 23 04:20:15 2023
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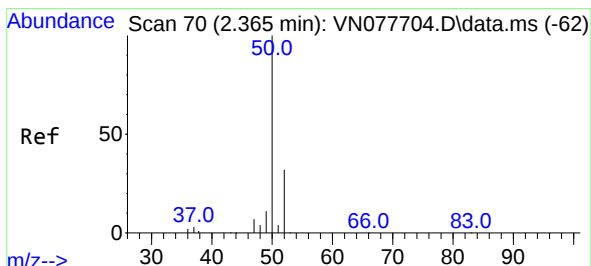
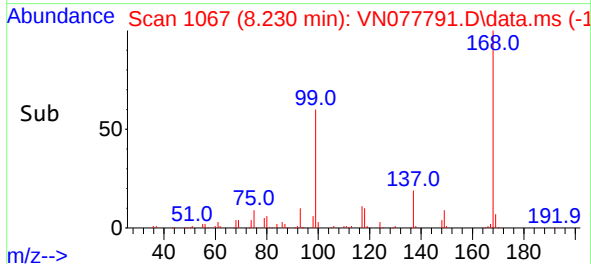
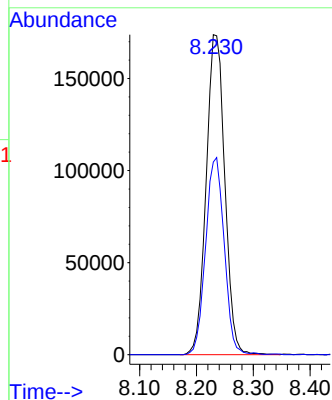
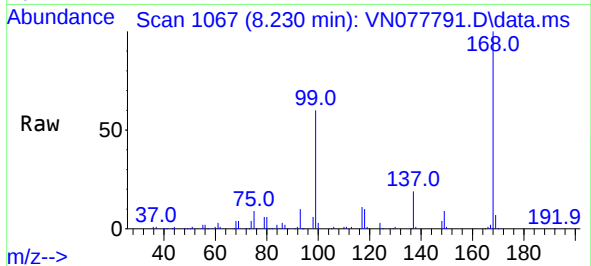




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

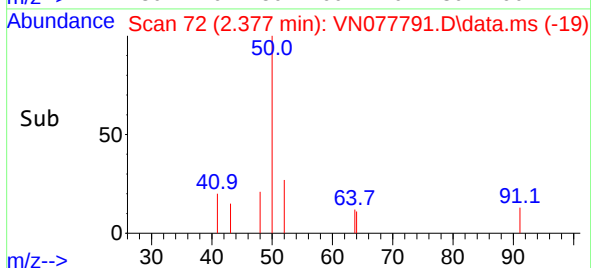
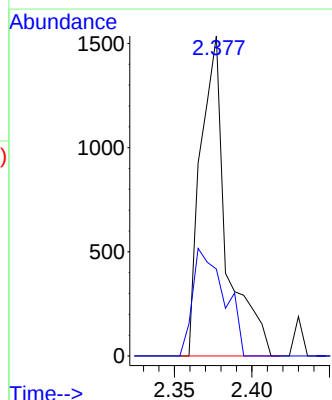
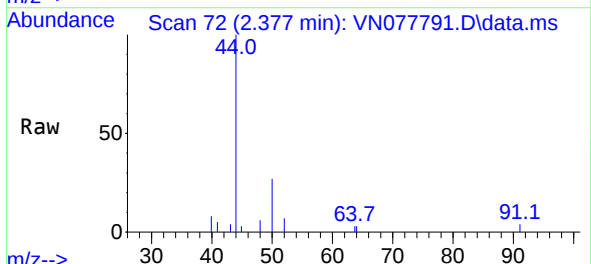
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20230518

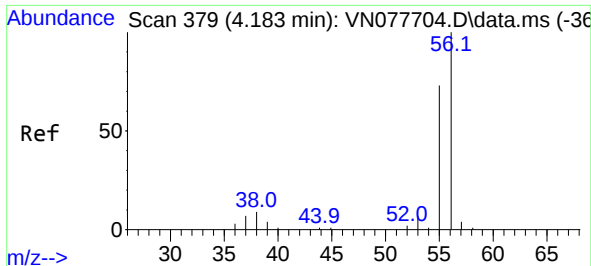
Tgt Ion:168 Resp: 394946
Ion Ratio Lower Upper
168 100
99 60.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

Tgt Ion: 50 Resp: 1784
Ion Ratio Lower Upper
50 100
52 27.1 26.5 39.7

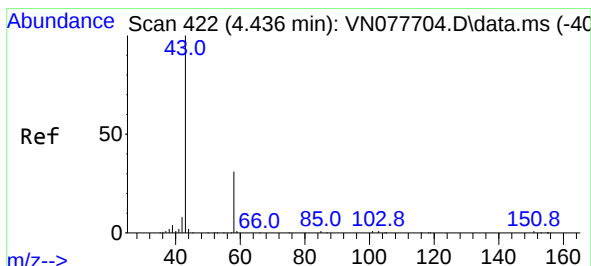
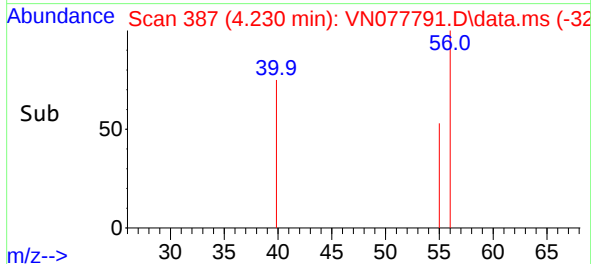
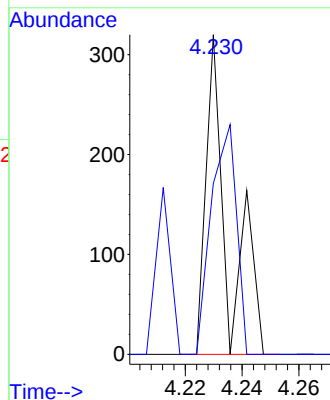
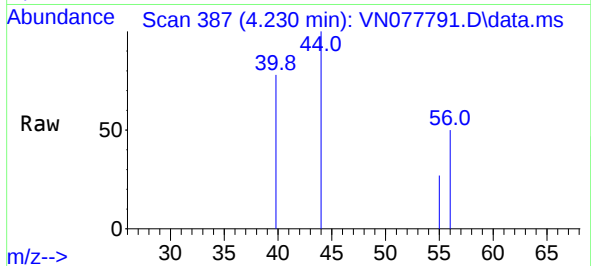




#13
Acrolein
Concen: Below Cal
RT: 4.230 min Scan# 31
Delta R.T. 0.041 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

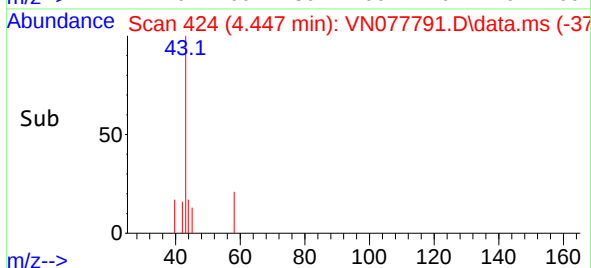
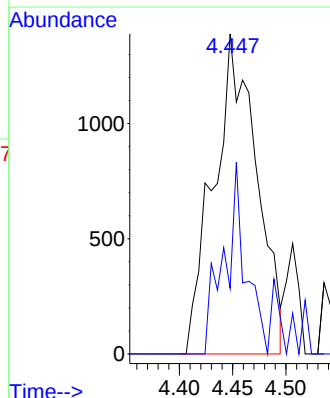
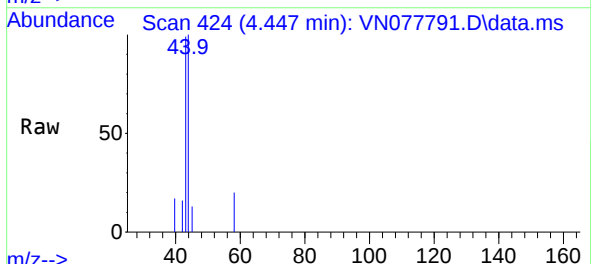
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20230518

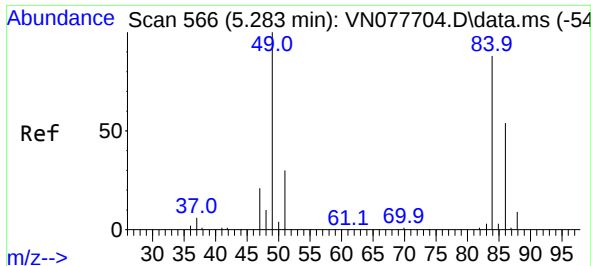
Tgt Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 82.5 54.5 81.7#



#16
Acetone
Concen: 2.102 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

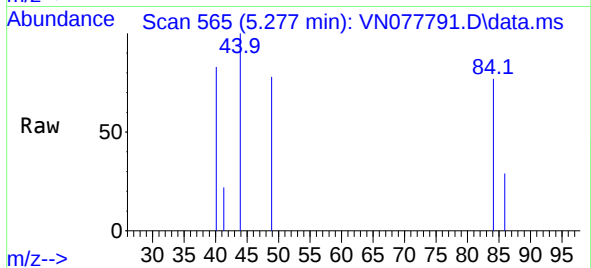
Tgt Ion: 43 Resp: 3908
Ion Ratio Lower Upper
43 100
58 20.5 28.0 42.0#





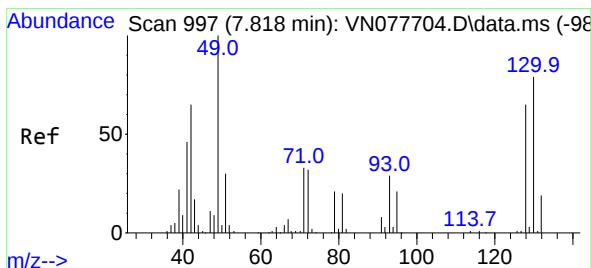
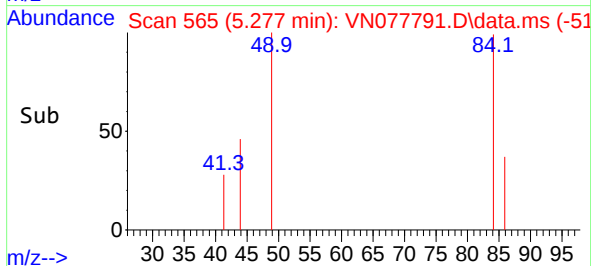
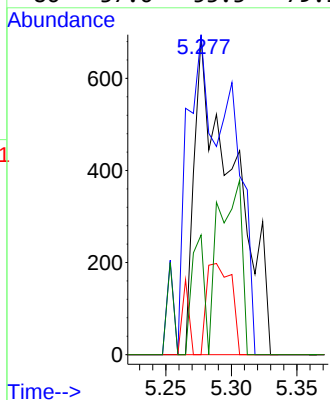
#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20230518



Tgt Ion: 84 Resp: 1415

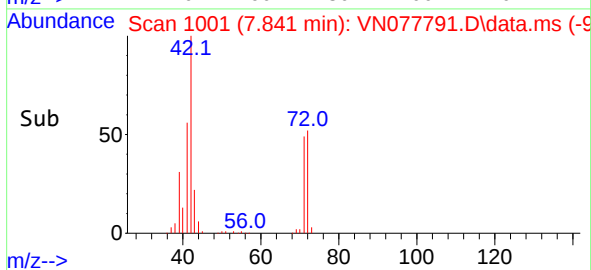
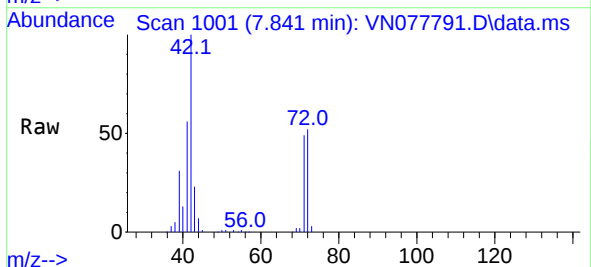
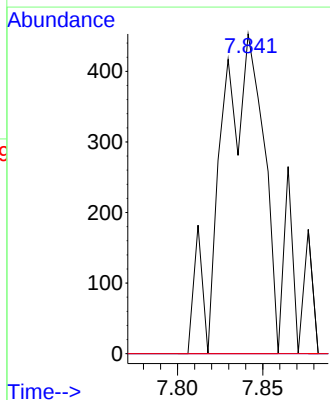
Ion	Ratio	Lower	Upper
84	100		
49	100.6	79.7	119.5
51	0.0	25.2	37.8#
86	37.6	53.3	79.9#

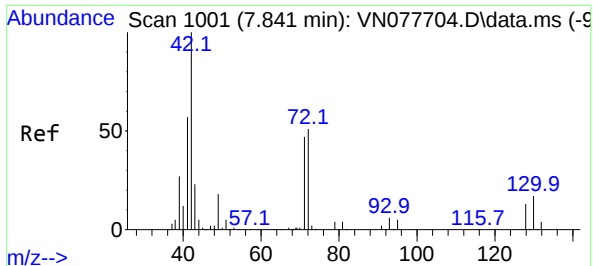


#28
Bromochloromethane
Concen: 0.207 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.023 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

Tgt Ion: 49 Resp: 786

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	75.3	112.9#





#29

Tetrahydrofuran

Concen: 168.109 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN077791.D

Acq: 22 May 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

RW8-MW01D3-20230518

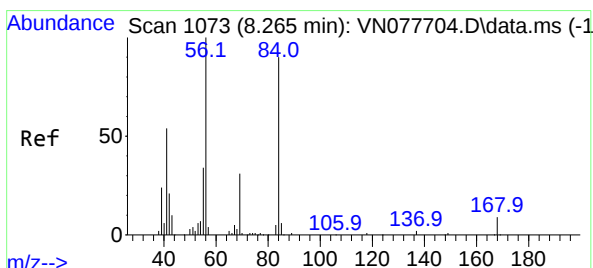
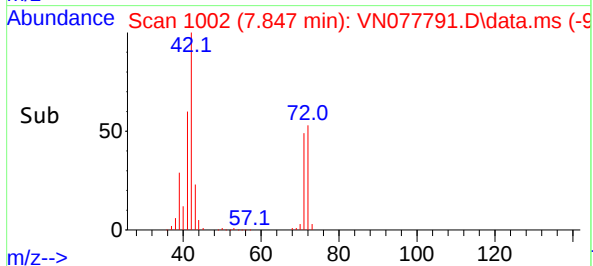
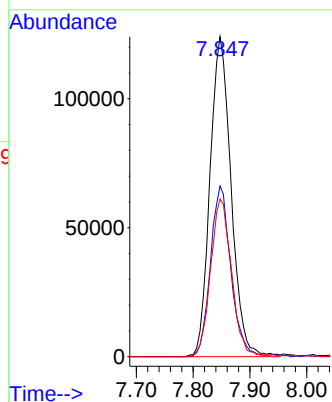
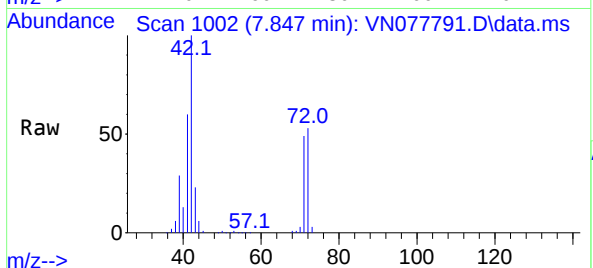
Tgt Ion: 42 Resp: 320137

Ion Ratio Lower Upper

42 100

72 51.3 49.8 74.6

71 49.0 47.4 71.2



#31

Cyclohexane

Concen: 1.117 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN077791.D

Acq: 22 May 2023 15:53

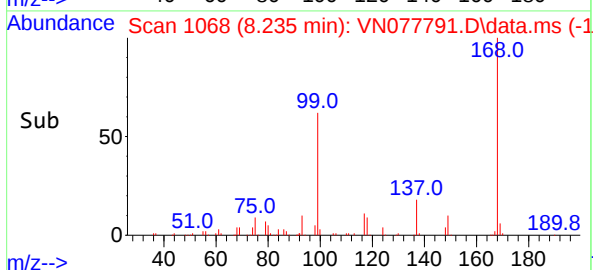
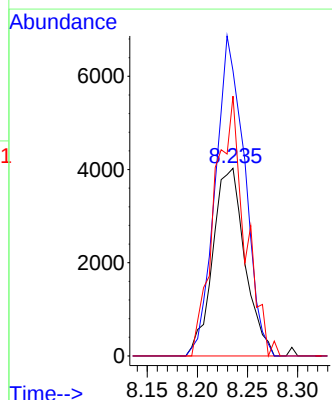
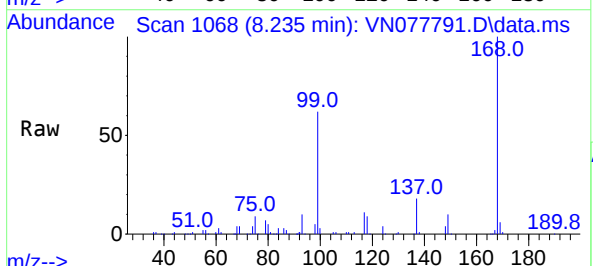
Tgt Ion: 56 Resp: 8969

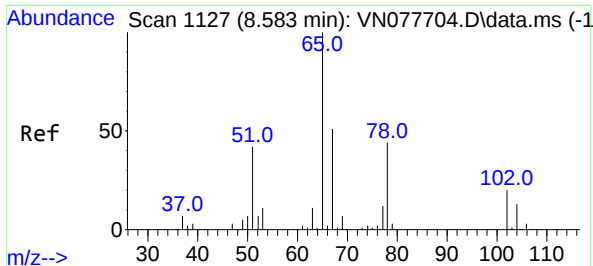
Ion Ratio Lower Upper

56 100

69 151.9 26.8 40.2#

84 138.4 81.8 122.6#

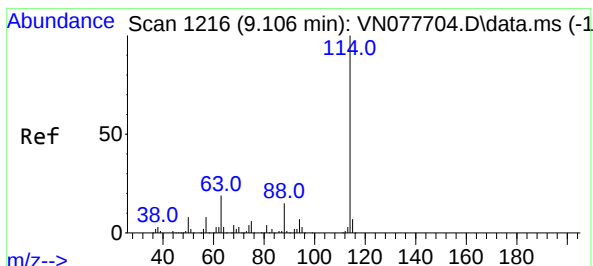
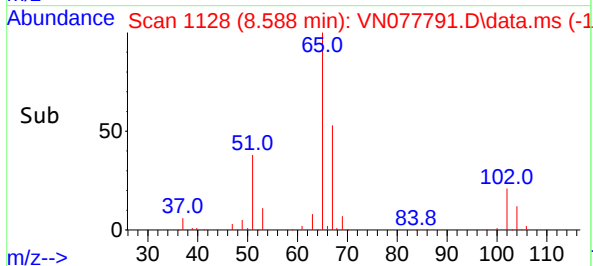
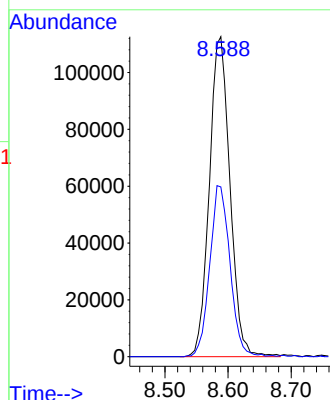
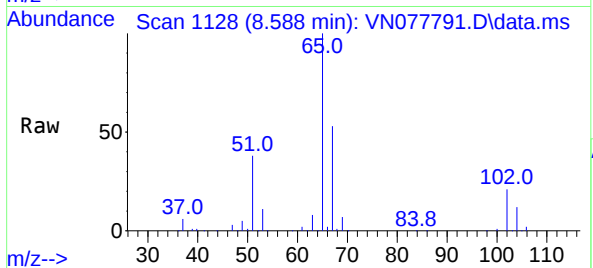




#33
1,2-Dichloroethane-d4
Concen: 43.263 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

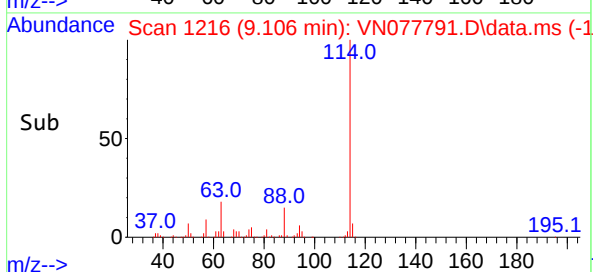
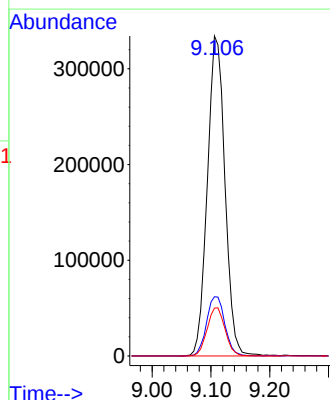
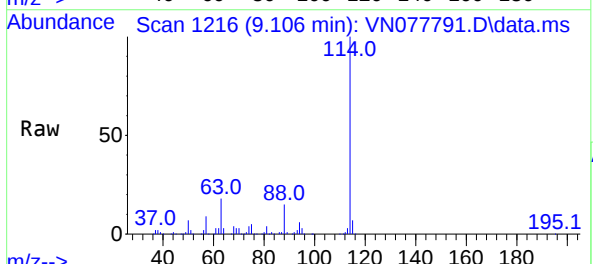
Instrument :
MSVOA_N
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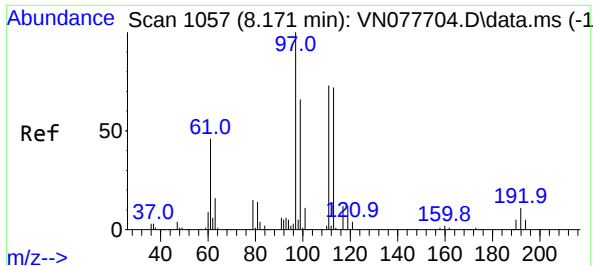
Tgt Ion: 65 Resp: 255660
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

Tgt Ion: 114 Resp: 694606
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.4
88 15.0 0.0 30.6



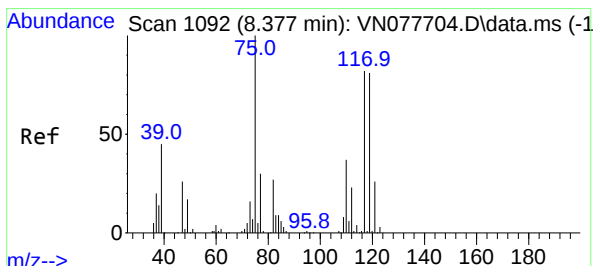
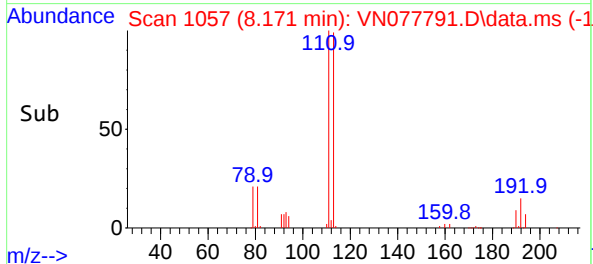
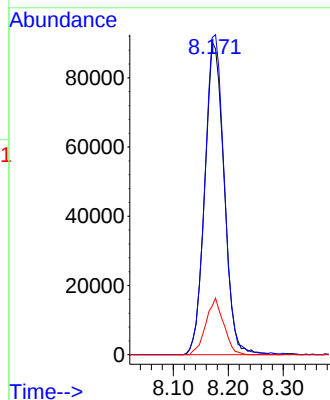
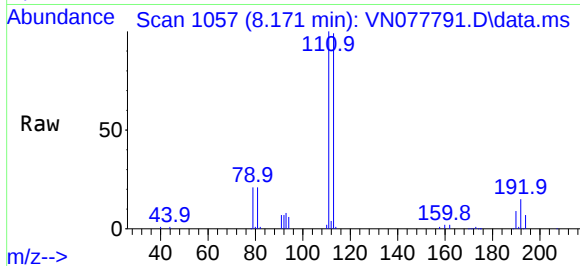


#35
Dibromofluoromethane
Concen: 48.737 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20230518

Tgt Ion:113 Resp: 220752

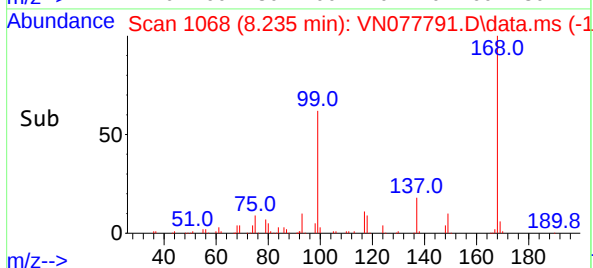
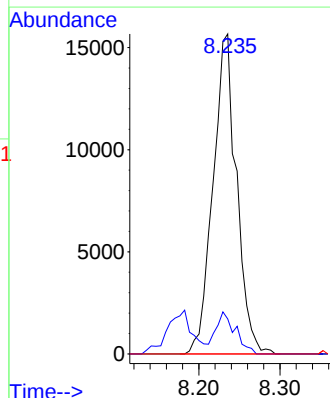
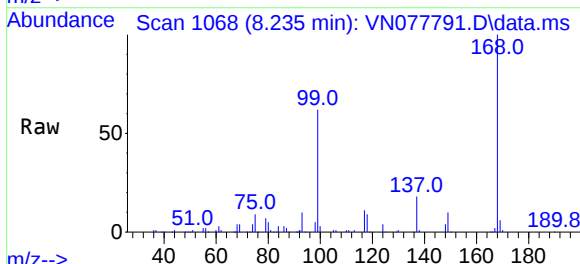
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	16.7	12.7	19.1

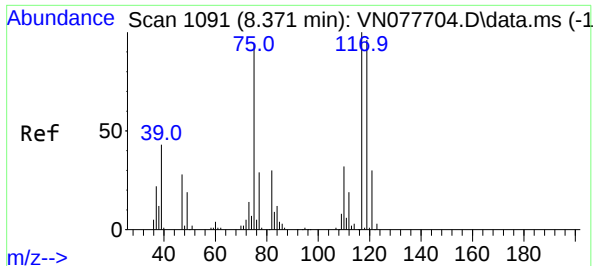


#36
1,1-Dichloropropene
Concen: 4.767 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

Tgt Ion: 75 Resp: 31579

Ion	Ratio	Lower	Upper
75	100		
110	10.8	19.1	57.3#
77	0.0	25.0	37.4#

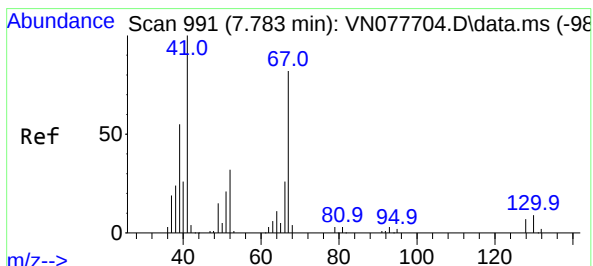
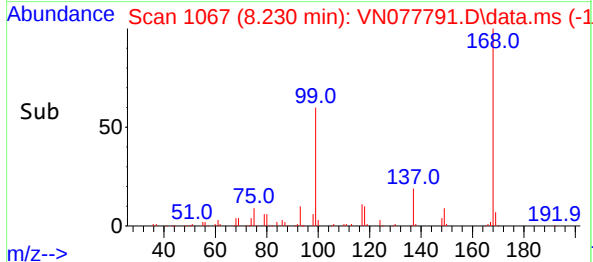
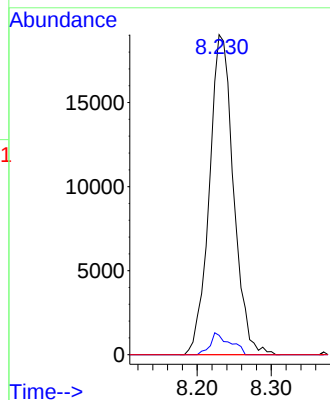
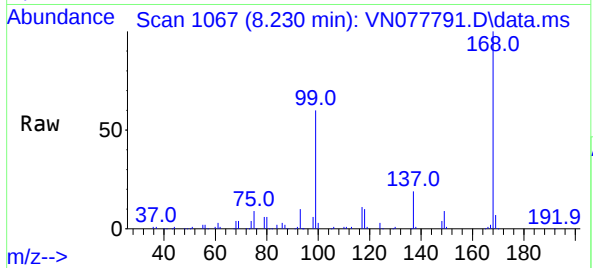




#38
Carbon Tetrachloride
Concen: 6.446 ug/l
RT: 8.230 min Scan# 1000
Delta R.T. -0.141 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

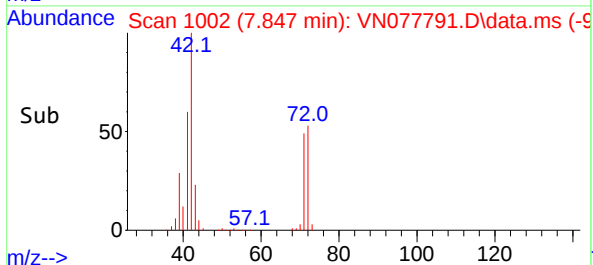
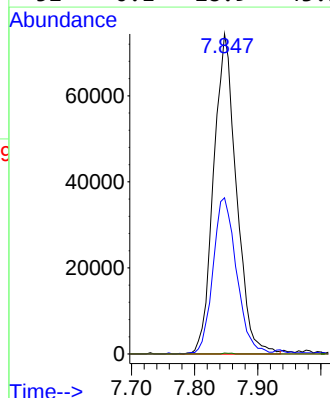
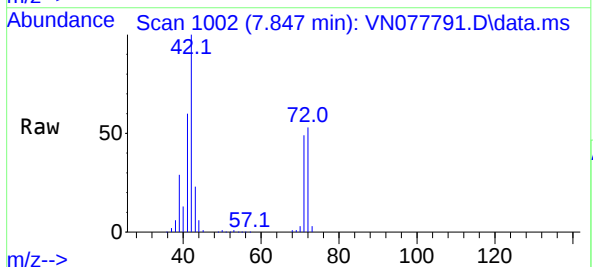
Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20230518

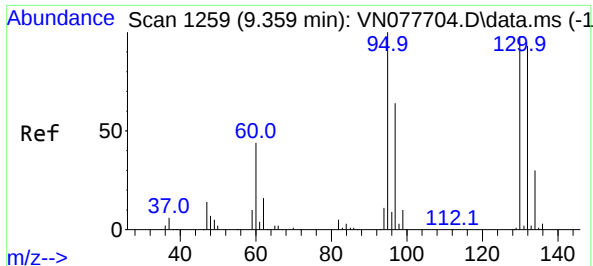
Tgt Ion:117 Resp: 43120
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 59.320 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.065 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

Tgt Ion: 41 Resp: 186545
Ion Ratio Lower Upper
41 100
39 50.6 42.6 64.0
67 0.0 77.5 116.3#
52 0.1 28.9 43.3#





#44

Trichloroethene

Concen: 0.320 ug/l

RT: 9.359 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077791.D

Acq: 22 May 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

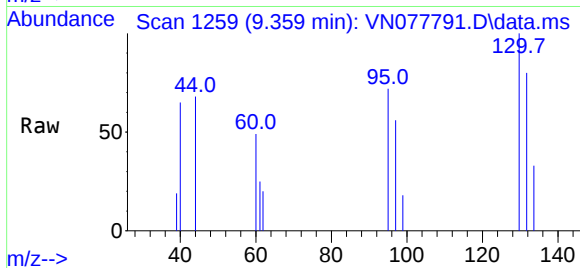
RW8-MW01D3-20230518

Tgt Ion:130 Resp: 1583

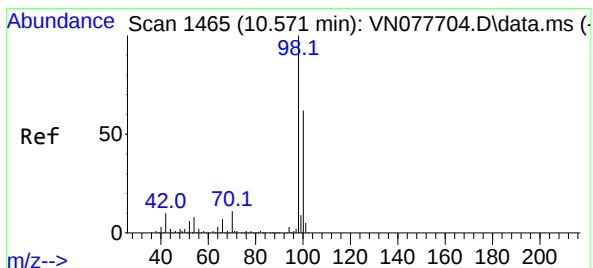
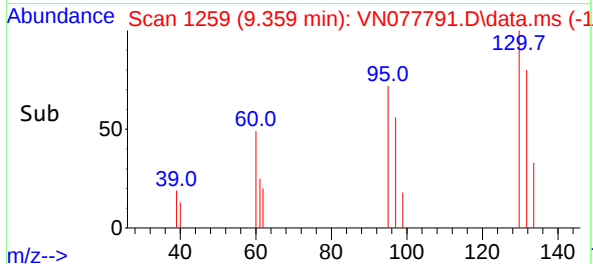
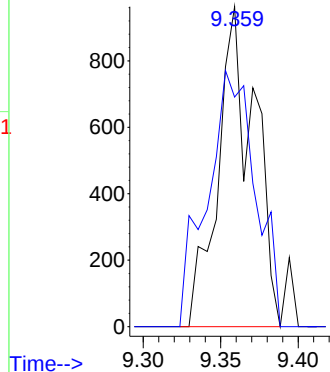
Ion Ratio Lower Upper

130 100

95 71.8 0.0 204.6



Abundance



#50

Toluene-d8

Concen: 48.679 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN077791.D

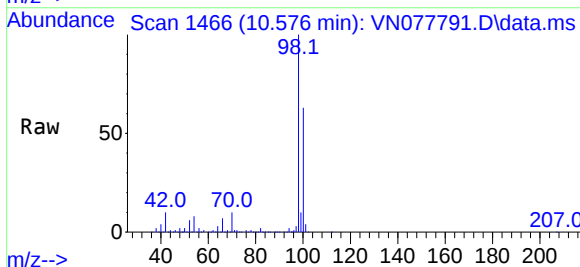
Acq: 22 May 2023 15:53

Tgt Ion: 98 Resp: 848680

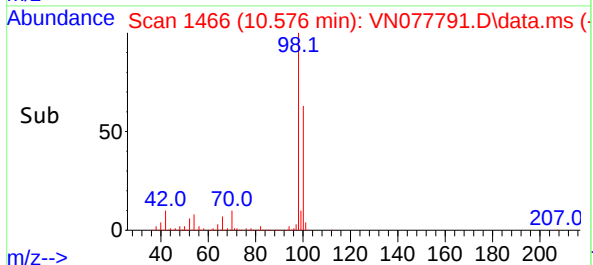
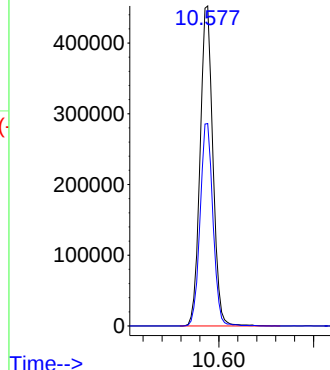
Ion Ratio Lower Upper

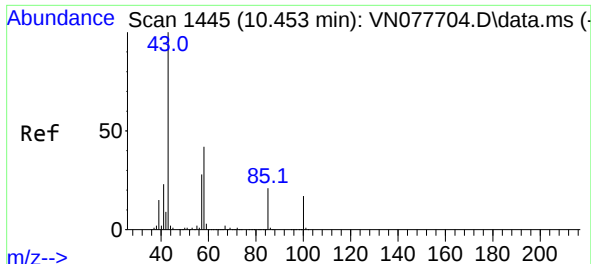
98 100

100 63.5 52.0 78.0



Abundance





#51

4-Methyl-2-Pentanone

Concen: 0.667 ug/l

RT: 10.571 min Scan# 1445

Delta R.T. 0.124 min

Lab File: VN077791.D

Acq: 22 May 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

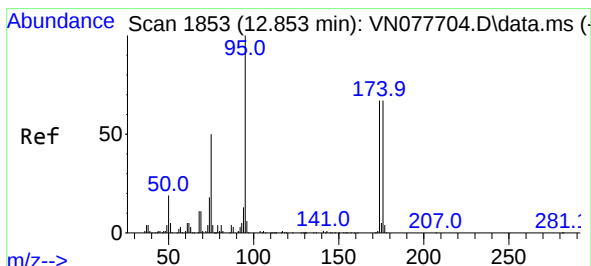
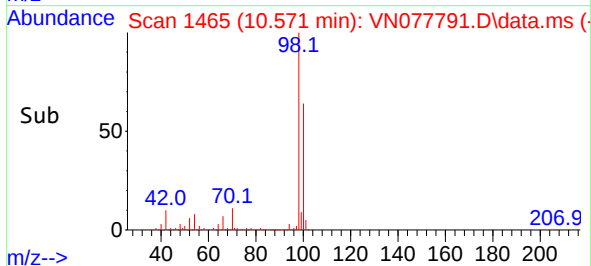
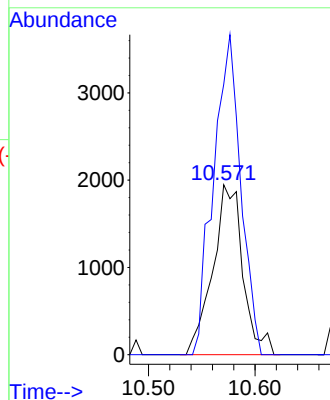
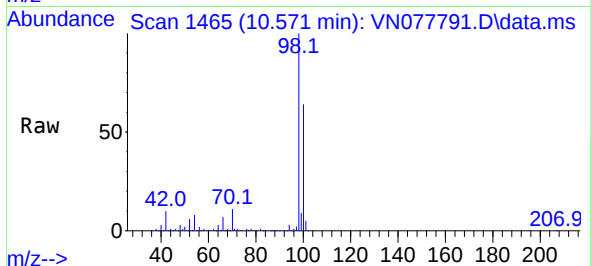
RW8-MW01D3-20230518

Tgt Ion: 43 Resp: 3823

Ion Ratio Lower Upper

43 100

58 170.8 36.6 54.8#



#62

4-Bromofluorobenzene

Concen: 43.184 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN077791.D

Acq: 22 May 2023 15:53

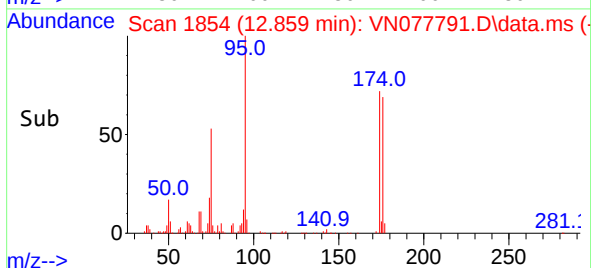
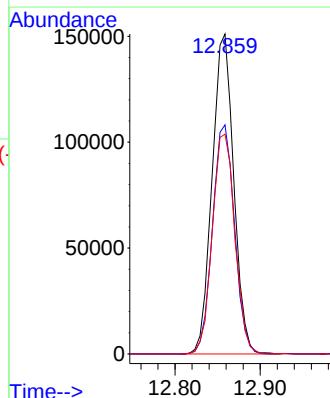
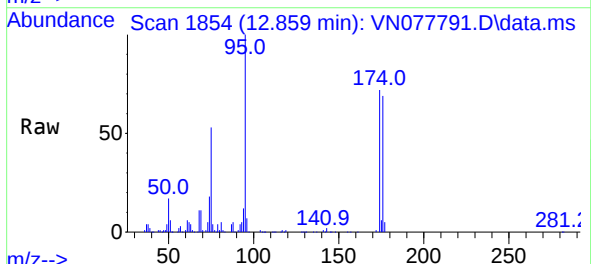
Tgt Ion: 95 Resp: 265903

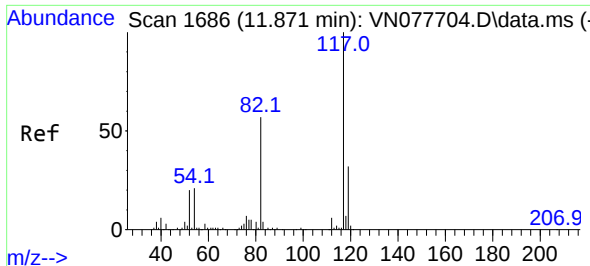
Ion Ratio Lower Upper

95 100

174 73.1 0.0 143.8

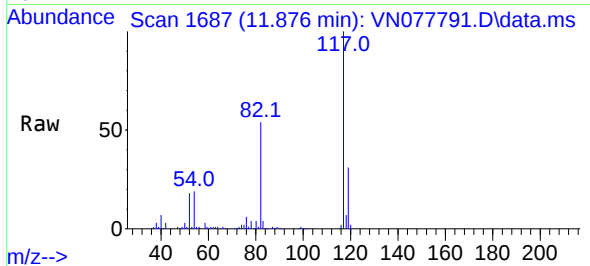
176 71.6 0.0 135.8



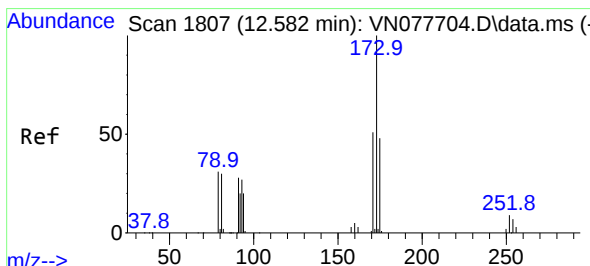
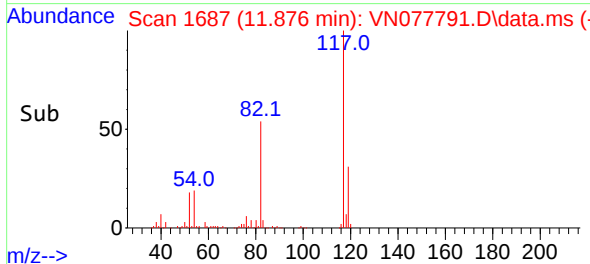
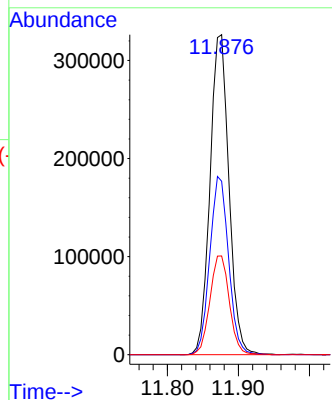


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 11853
Delta R.T. 0.006 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20230518

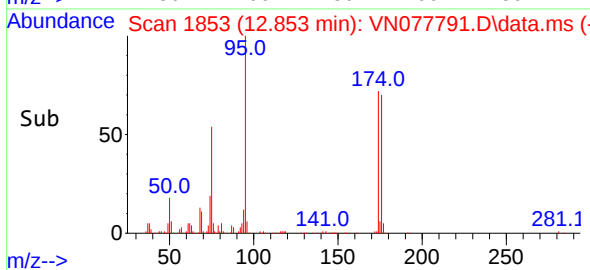
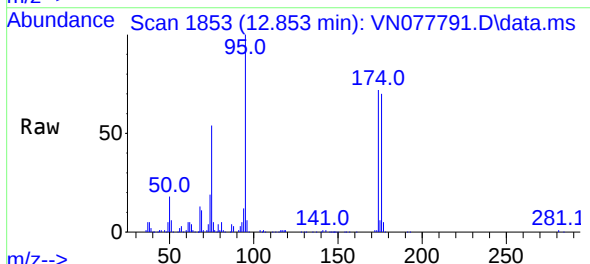
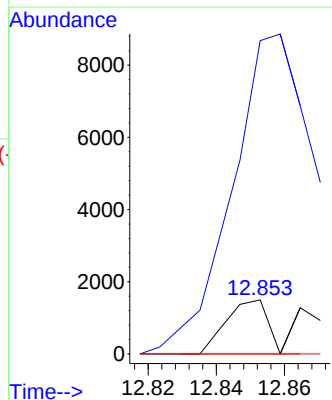


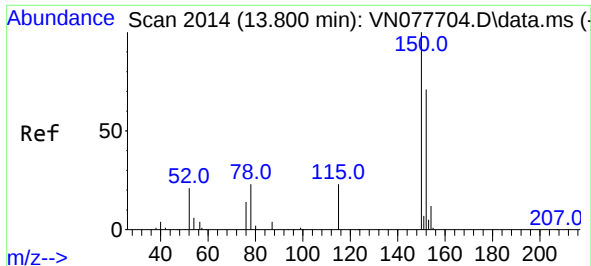
Tgt Ion:117 Resp: 602996
Ion Ratio Lower Upper
117 100
82 54.2 44.0 66.0
119 30.9 25.6 38.4



#71
Bromoform
Concen: 0.420 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

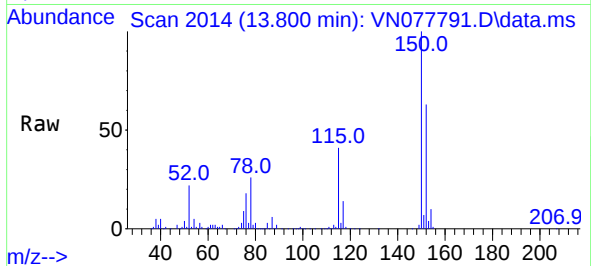
Tgt Ion:173 Resp: 1263
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0



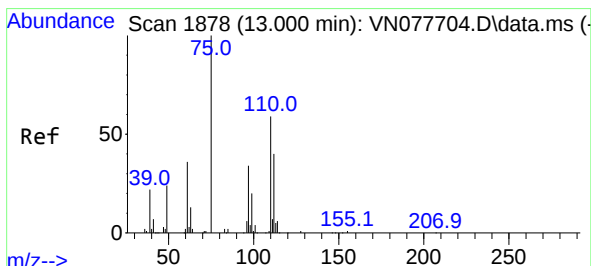
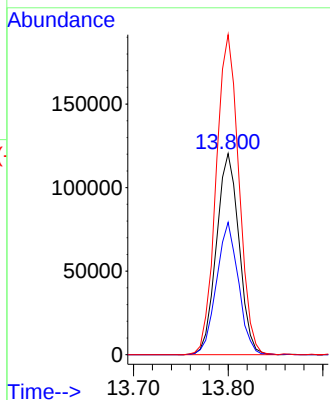
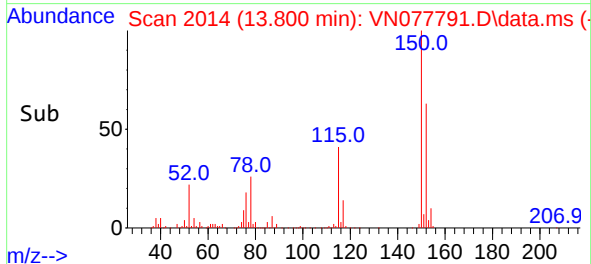


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20230518

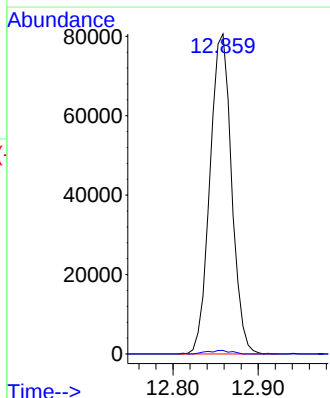
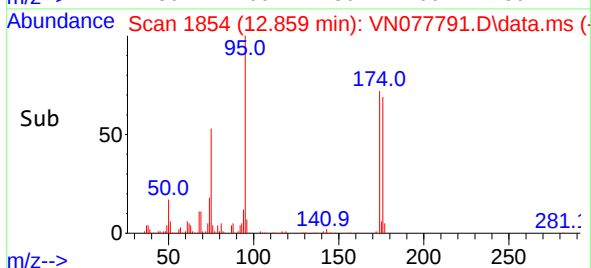
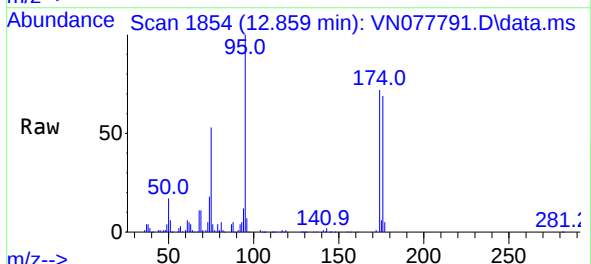


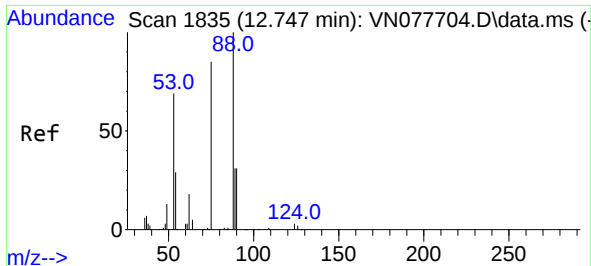
Tgt Ion:152 Resp: 199828
Ion Ratio Lower Upper
152 100
115 64.1 32.3 96.8
150 160.2 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 28.443 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

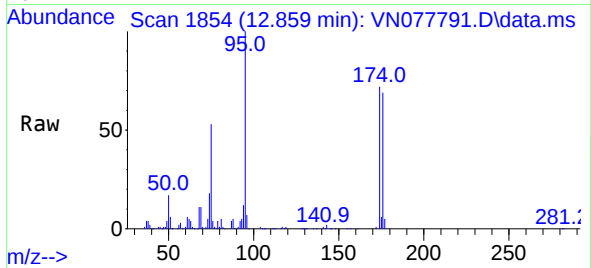
Tgt Ion: 75 Resp: 142339
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 90.918 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN077791.D
Acq: 22 May 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :
RW8-MW01D3-20230518



Tgt Ion: 75 Resp: 142339
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#

