

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010323\
 Data File : VN076063.D
 Acq On : 03 Jan 2023 15:02
 Operator : JC\MD
 Sample : N6232-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Quant Time: Jan 04 04:18:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

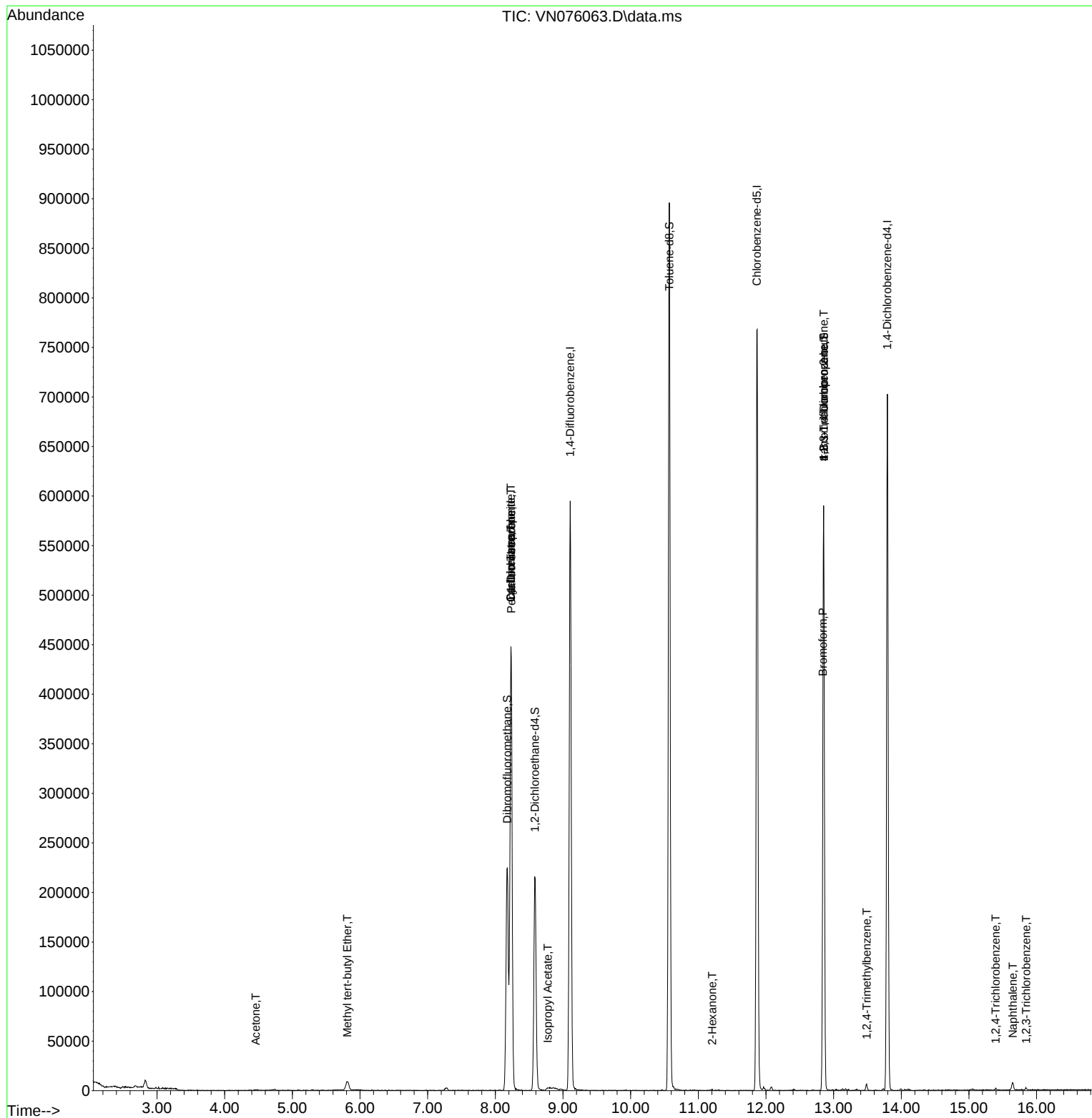
Internal Standards						
1) Pentafluorobenzene	8.235	168	352750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	551241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	486322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	179485	46.770	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.540%
35) Dibromofluoromethane	8.177	113	163765	47.972	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.940%
50) Toluene-d8	10.571	98	635398	49.782	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.560%
62) 4-Bromofluorobenzene	12.853	95	196251	46.423	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.840%
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	1344	1.016	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	16009	1.555	ug/l	100
20) Methylene Chloride	5.312	84	123	Below Cal	#	50
31) Cyclohexane	8.230	56	6484	1.180	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	24611	5.427	ug/l #	50
38) Carbon Tetrachloride	8.230	117	35105	6.917	ug/l #	17
43) Isopropyl Acetate	8.777	43	1991	0.331	ug/l #	50
59) 2-Hexanone	11.206	43	547	0.206	ug/l	90
71) Bromoform	12.841	173	1738	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	101612	25.227	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101612	90.805	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.488	105	4332	0.361	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	940	0.286	ug/l #	82
95) Naphthalene	15.647	128	8650	2.938	ug/l	96
96) 1,2,3-Trichlorobenzene	15.847	180	925	0.301	ug/l	92

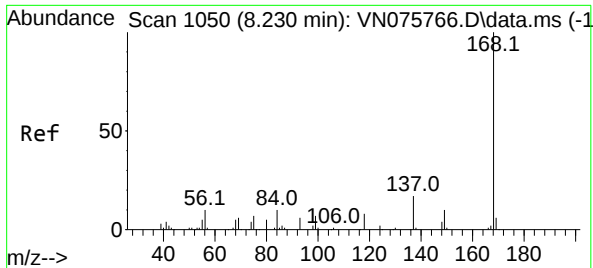
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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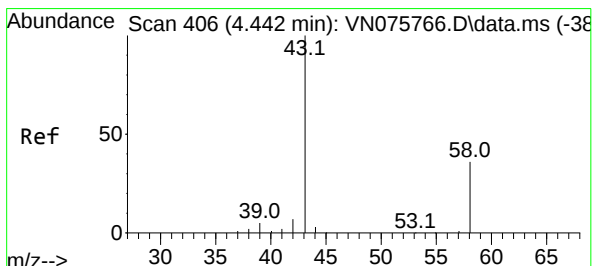
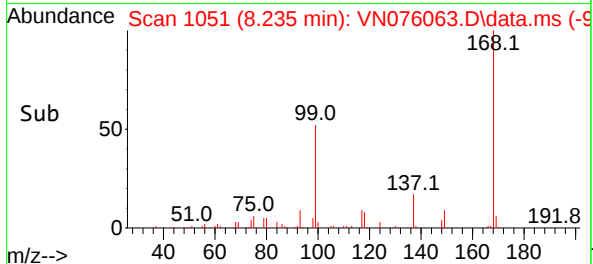
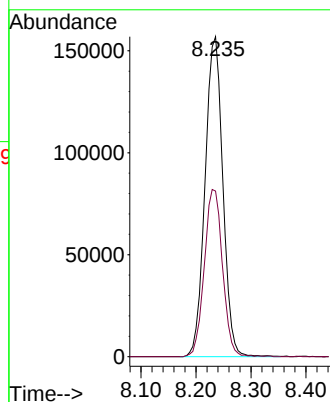
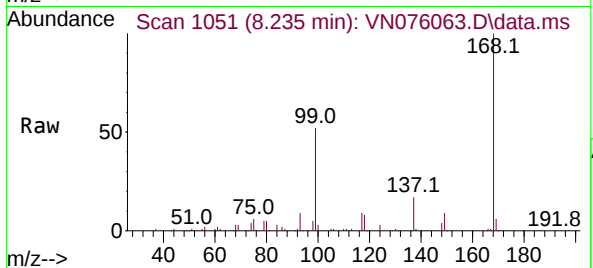




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN076063.D
Acq: 03 Jan 2023 15:02

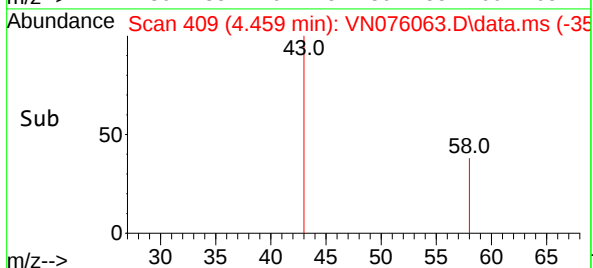
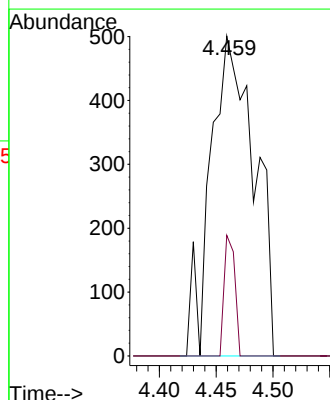
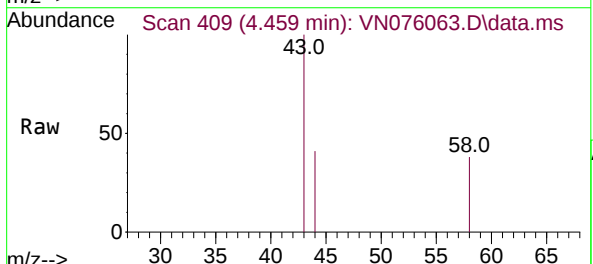
Instrument :
MSVOA_N
ClientSampleId :
MW-11

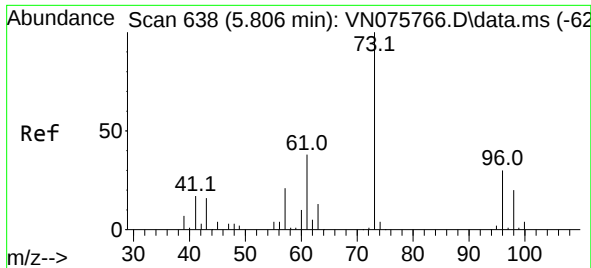
Tgt Ion:168 Resp: 352750
Ion Ratio Lower Upper
168 100
99 51.7 44.2 66.4



#16
Acetone
Concen: 1.016 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.018 min
Lab File: VN076063.D
Acq: 03 Jan 2023 15:02

Tgt Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
58 37.7 28.6 43.0

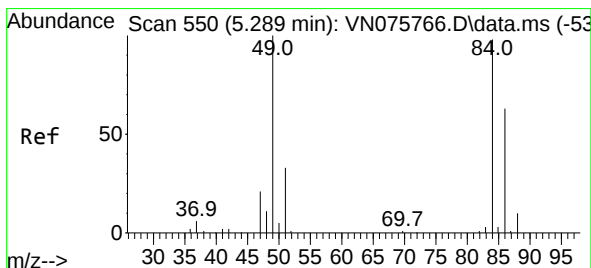
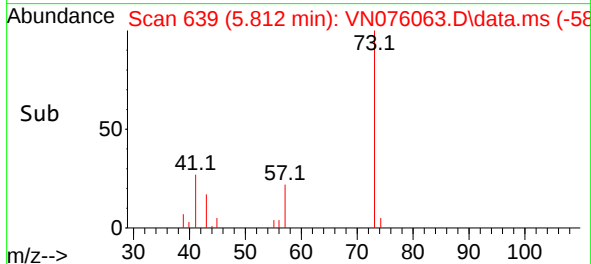
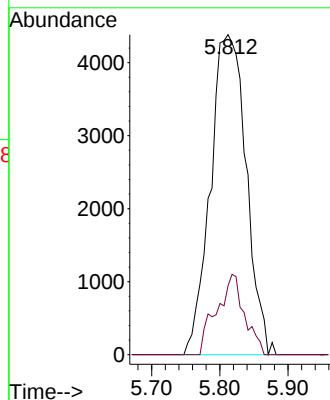
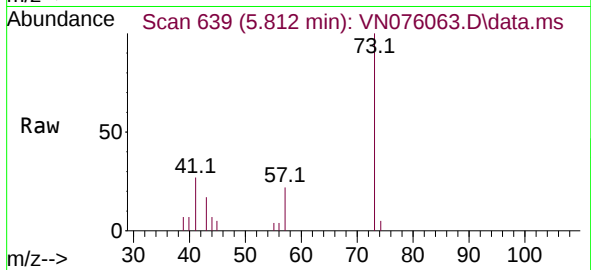




#19
Methyl tert-butyl Ether
Concen: 1.555 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN076063.D
Acq: 03 Jan 2023 15:02

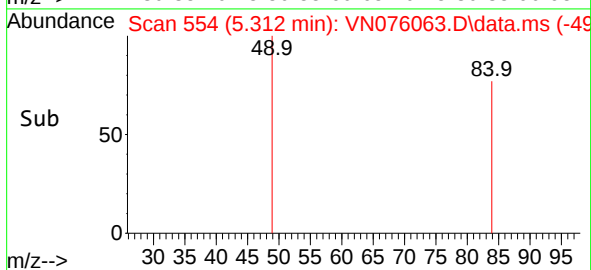
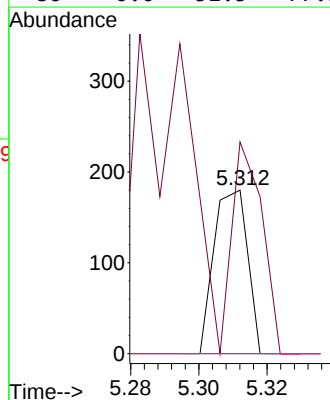
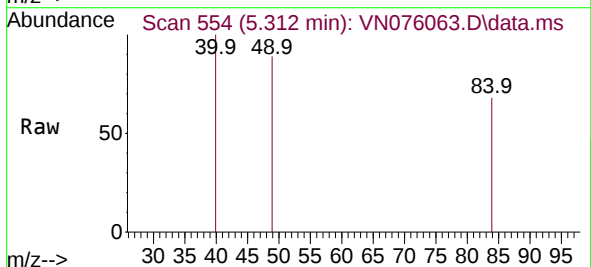
Instrument :
MSVOA_N
ClientSampleId :
MW-11

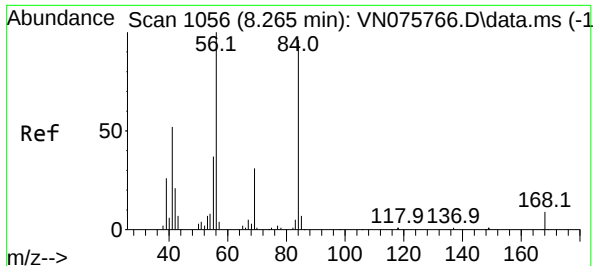
Tgt Ion: 73 Resp: 16009
Ion Ratio Lower Upper
73 100
57 21.6 17.1 25.7



#20
Methylene Chloride
Concen: Below Cal
RT: 5.312 min Scan# 554
Delta R.T. 0.023 min
Lab File: VN076063.D
Acq: 03 Jan 2023 15:02

Tgt Ion: 84 Resp: 123
Ion Ratio Lower Upper
84 100
49 129.4 81.8 122.6#
51 0.0 26.7 40.1#
86 0.0 51.5 77.3#





#31

Cyclohexane

Concen: 1.180 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN076063.D

Acq: 03 Jan 2023 15:02

Instrument :

MSVOA_N

ClientSampleId :

MW-11

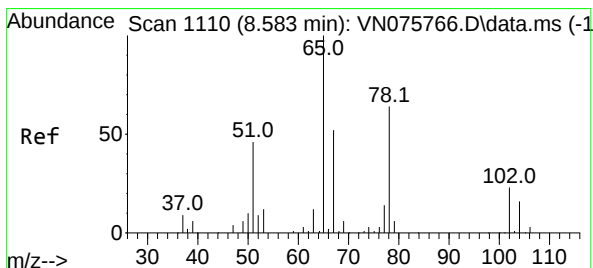
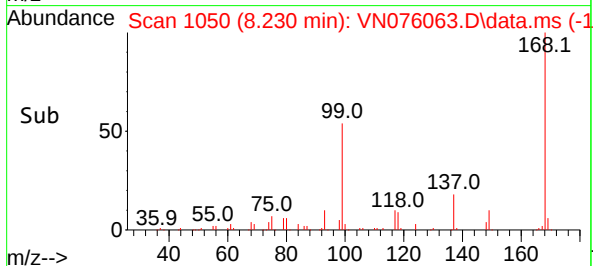
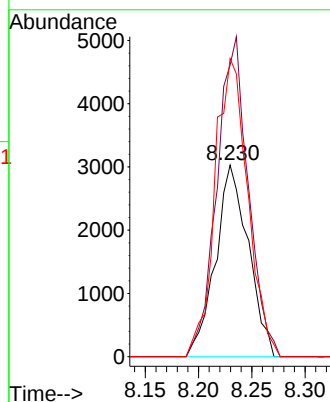
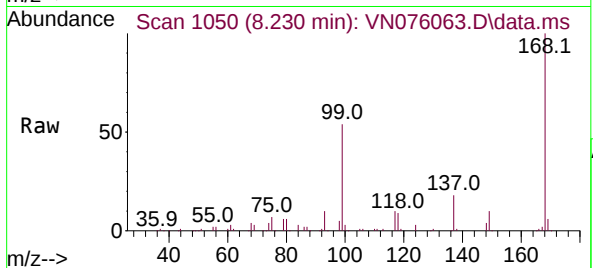
Tgt Ion: 56 Resp: 6484

Ion Ratio Lower Upper

56 100

69 152.3 24.7 37.1#

84 155.6 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 46.770 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN076063.D

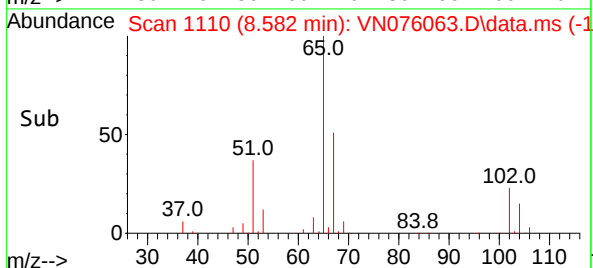
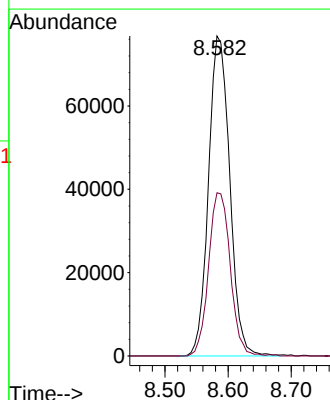
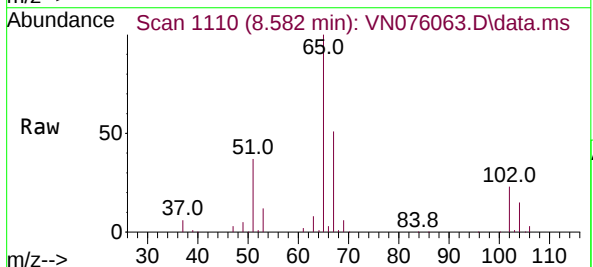
Acq: 03 Jan 2023 15:02

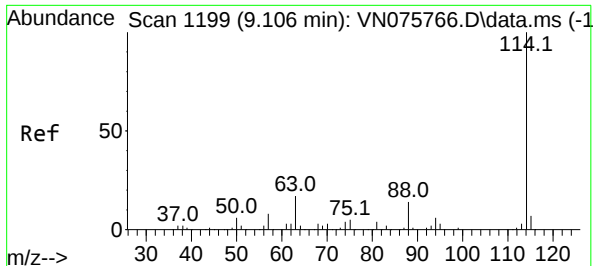
Tgt Ion: 65 Resp: 179485

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076063.D

Acq: 03 Jan 2023 15:02

Instrument :

MSVOA_N

ClientSampleId :

MW-11

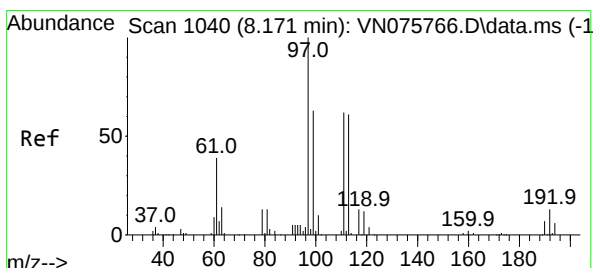
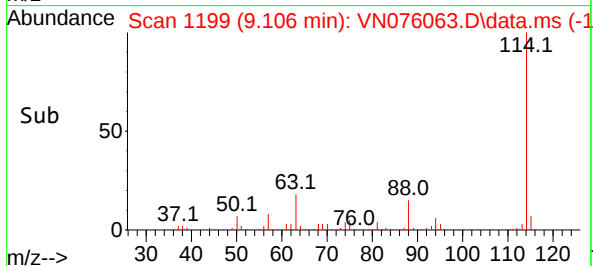
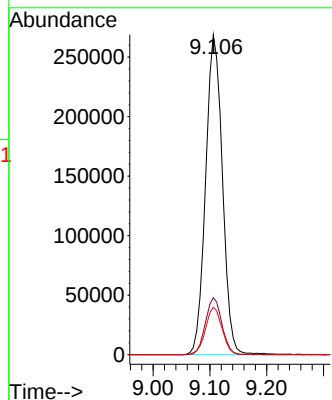
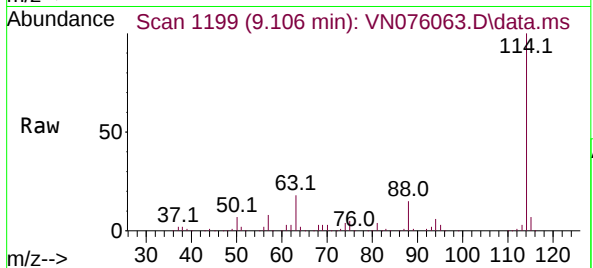
Tgt Ion:114 Resp: 551241

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.972 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076063.D

Acq: 03 Jan 2023 15:02

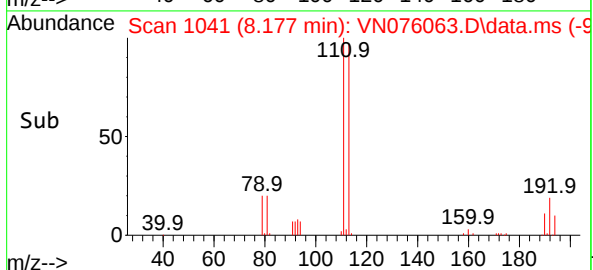
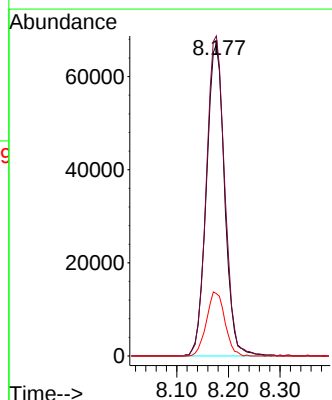
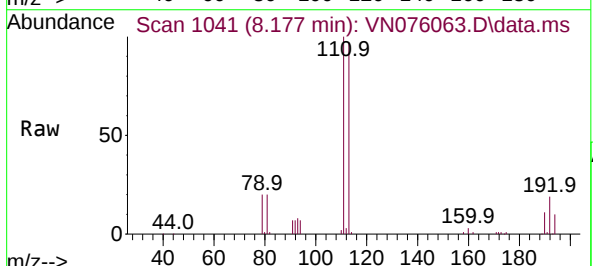
Tgt Ion:113 Resp: 163765

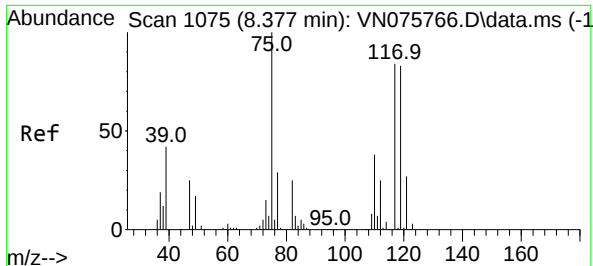
Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

192 20.8 16.1 24.1

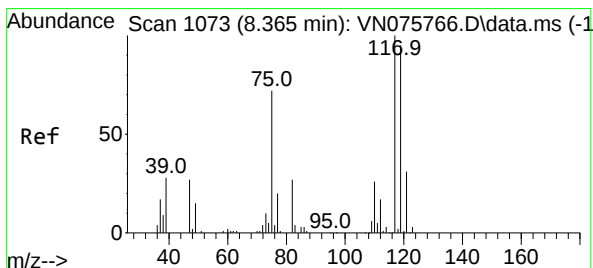
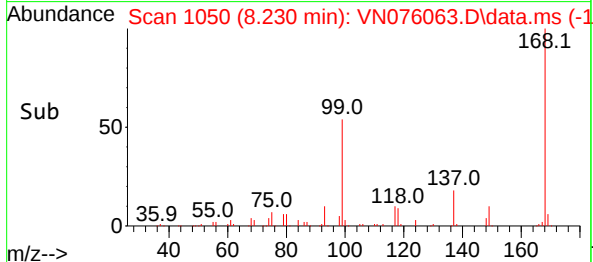
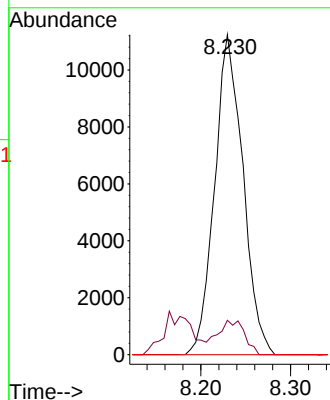
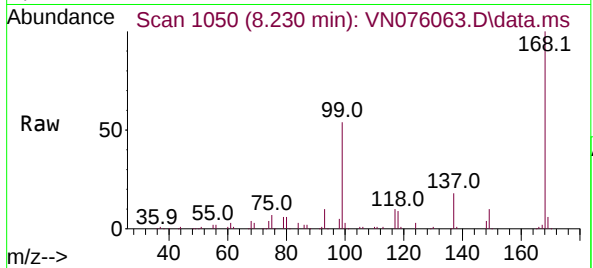




#36
1,1-Dichloropropene
Concen: 5.427 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076063.D
Acq: 03 Jan 2023 15:02

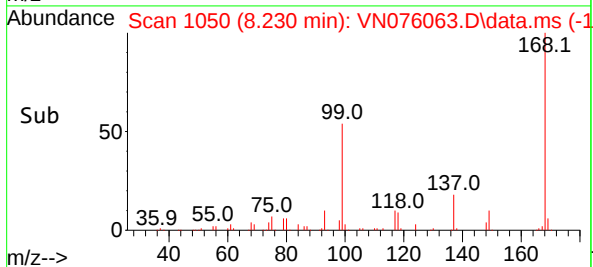
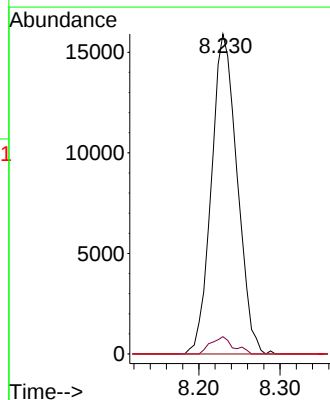
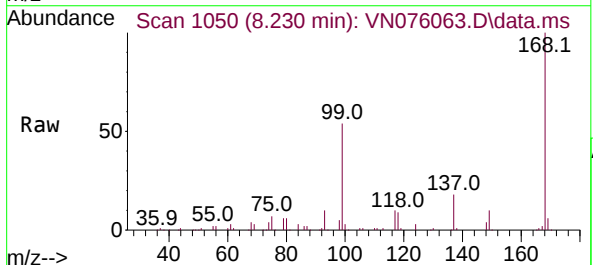
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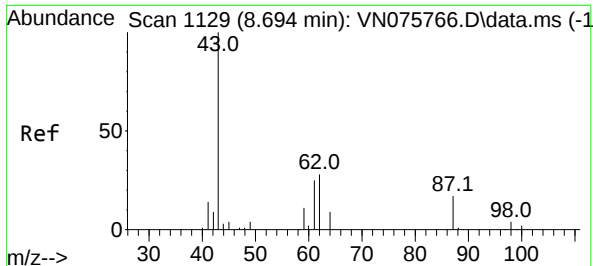
Tgt Ion: 75 Resp: 24611
Ion Ratio Lower Upper
75 100
110 10.2 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.917 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076063.D
Acq: 03 Jan 2023 15:02

Tgt Ion: 117 Resp: 35105
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 0.331 ug/l

RT: 8.777 min Scan# 1143

Delta R.T. 0.082 min

Lab File: VN076063.D

Acq: 03 Jan 2023 15:02

Instrument :

MSVOA_N

ClientSampleId :

MW-11

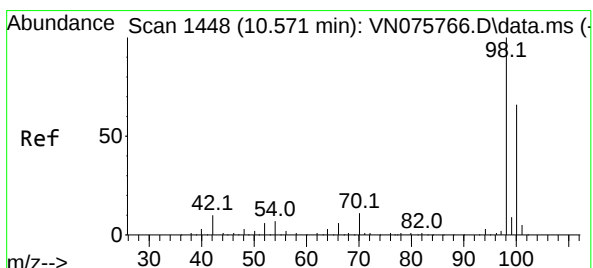
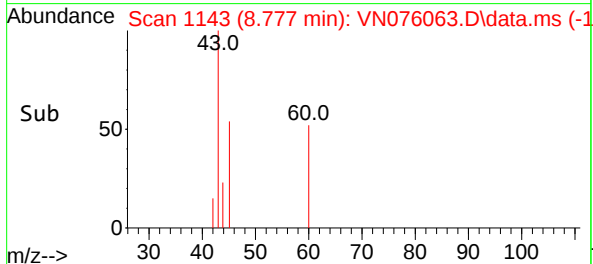
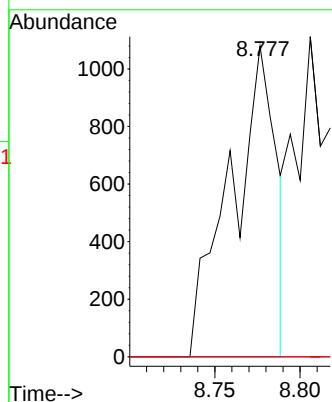
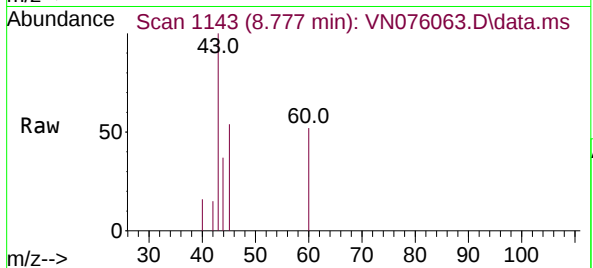
Tgt Ion: 43 Resp: 1991

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.4#

87 0.0 13.3 19.9#



#50

Toluene-d8

Concen: 49.782 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076063.D

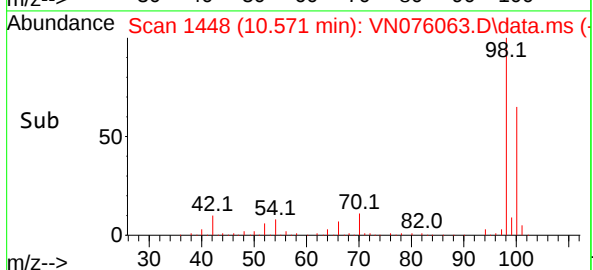
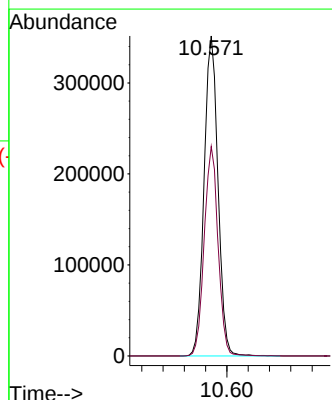
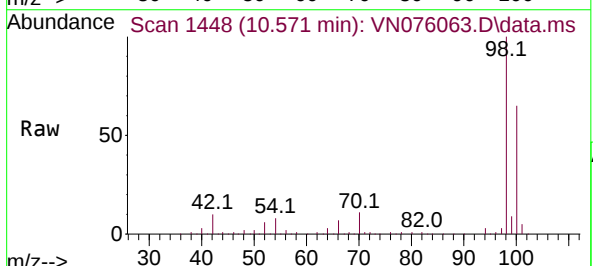
Acq: 03 Jan 2023 15:02

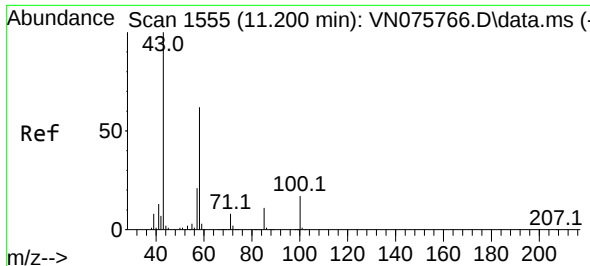
Tgt Ion: 98 Resp: 635398

Ion Ratio Lower Upper

98 100

100 65.2 52.1 78.1

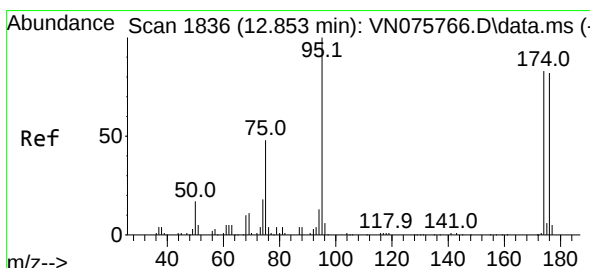
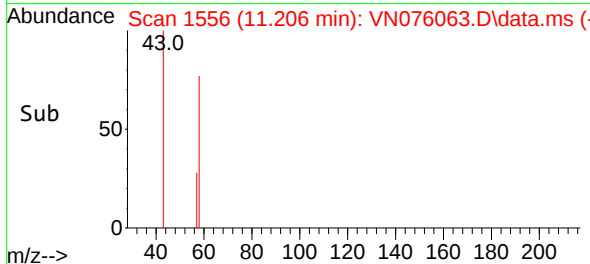
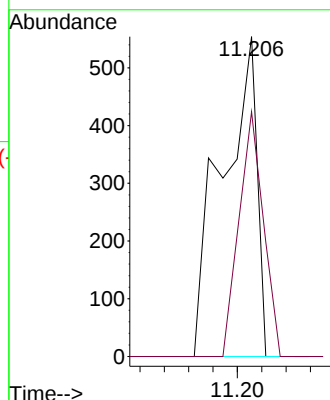
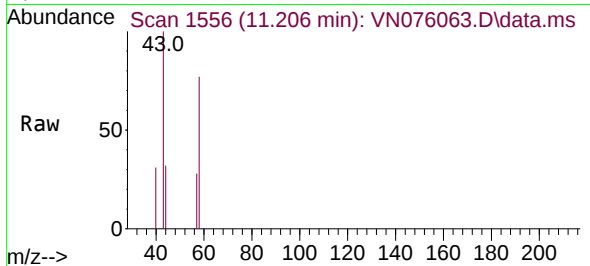




#59
2-Hexanone
Concen: 0.206 ug/l
RT: 11.206 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VN076063.D
Acq: 03 Jan 2023 15:02

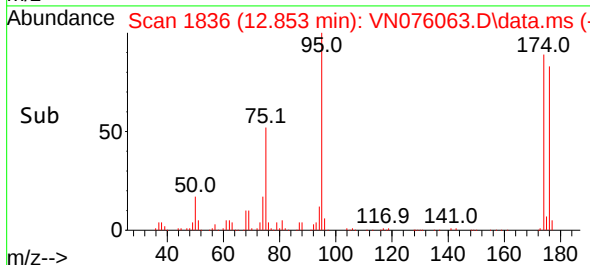
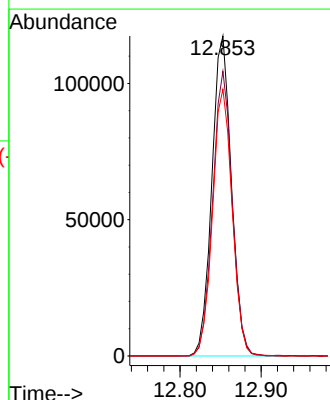
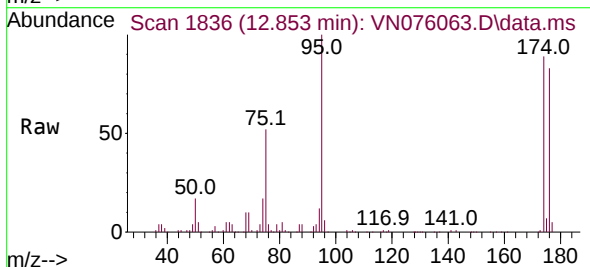
Instrument :
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ClientSampleId :
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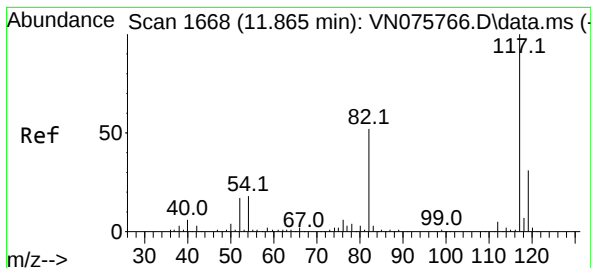
Tgt Ion: 43 Resp: 547
Ion Ratio Lower Upper
43 100
58 53.7 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 46.423 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076063.D
Acq: 03 Jan 2023 15:02

Tgt Ion: 95 Resp: 196251
Ion Ratio Lower Upper
95 100
174 88.8 0.0 171.6
176 83.8 0.0 169.2

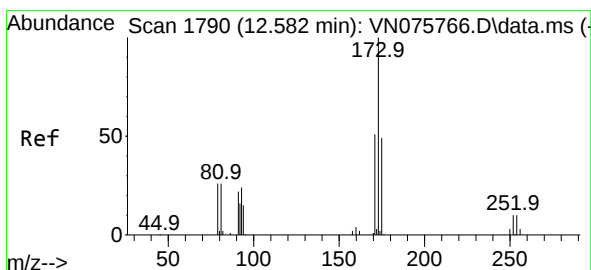
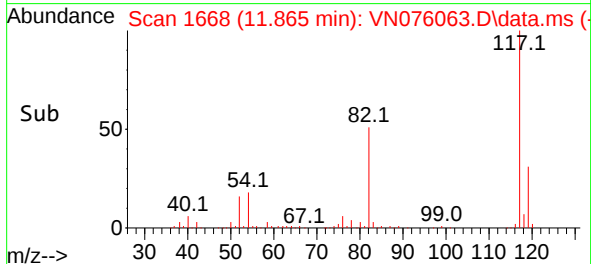
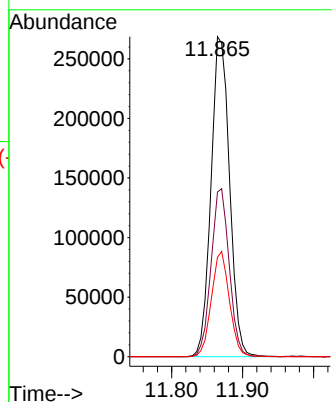
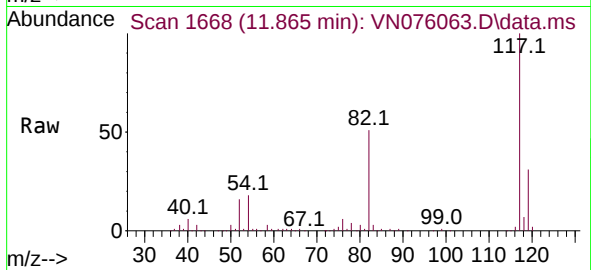




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076063.D
Acq: 03 Jan 2023 15:02

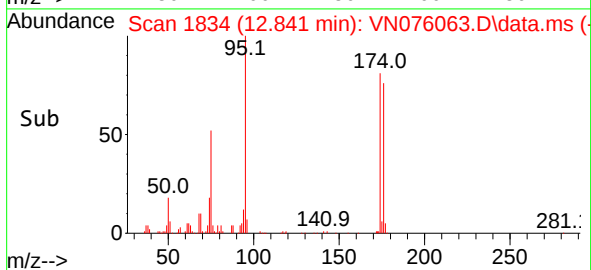
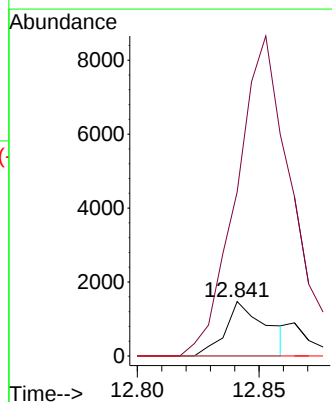
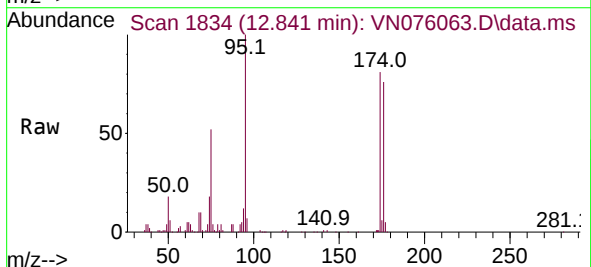
Instrument :
MSVOA_N
ClientSampleId :
MW-11

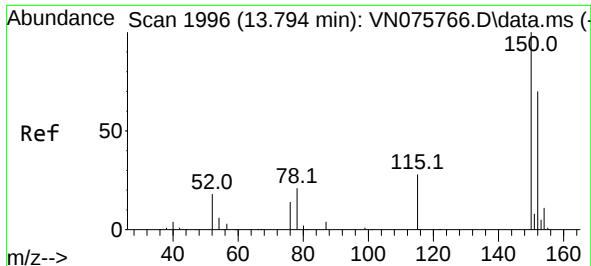
Tgt Ion:117 Resp: 486322
Ion Ratio Lower Upper
117 100
82 51.4 41.3 61.9
119 31.1 24.6 37.0



#71
Bromoform
Concen: 0.646 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.259 min
Lab File: VN076063.D
Acq: 03 Jan 2023 15:02

Tgt Ion:173 Resp: 1738
Ion Ratio Lower Upper
173 100
175 618.5 24.3 72.8#
254 0.0 0.0 0.0

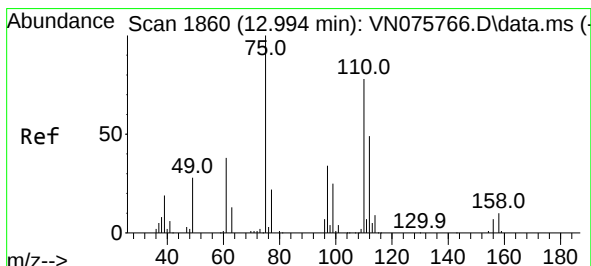
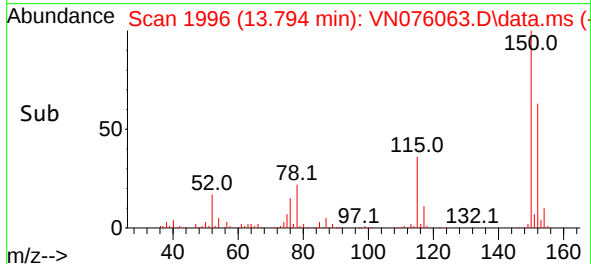
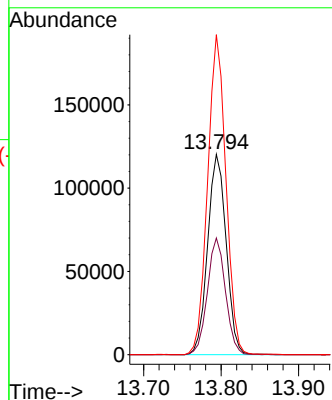
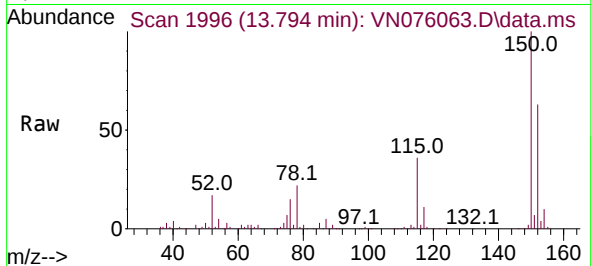




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076063.D
 Acq: 03 Jan 2023 15:02

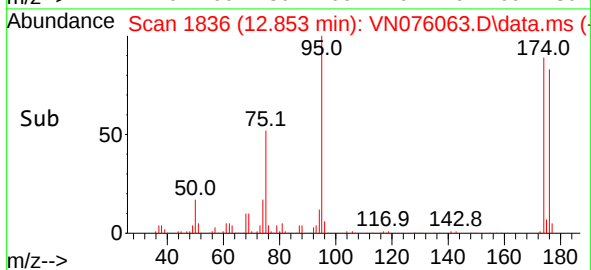
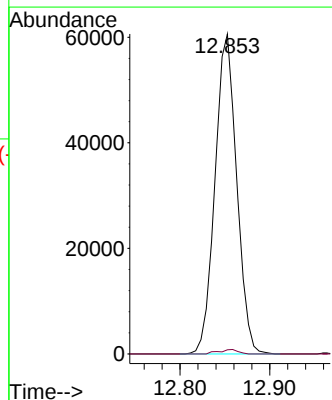
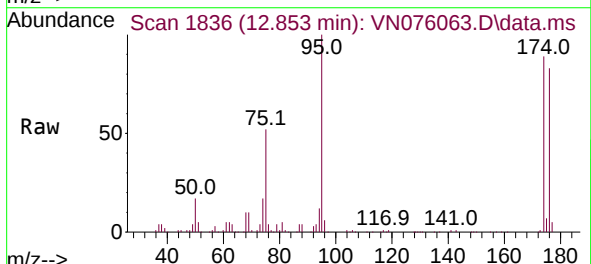
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

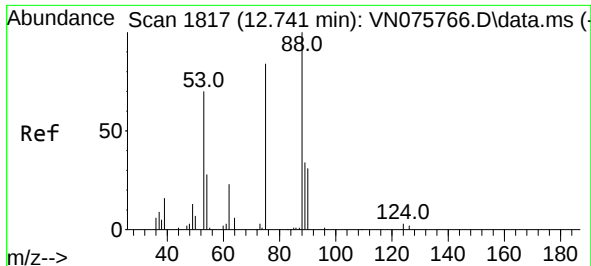
Tgt Ion:152 Resp: 199821
 Ion Ratio Lower Upper
 152 100
 115 56.9 29.1 87.4
 150 157.4 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 25.227 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN076063.D
 Acq: 03 Jan 2023 15:02

Tgt Ion: 75 Resp: 101612
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

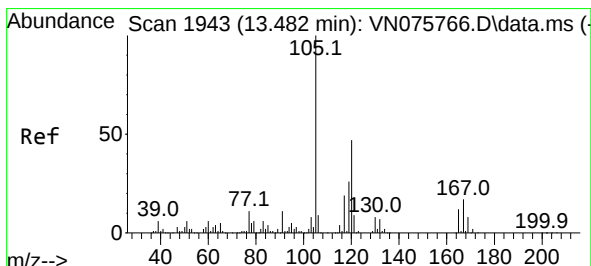
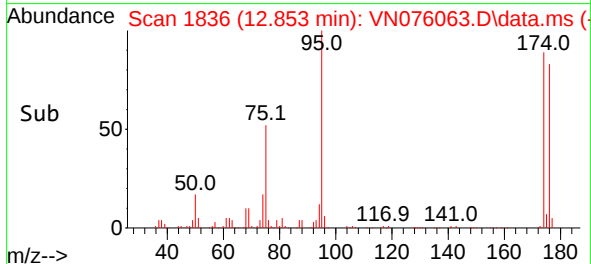
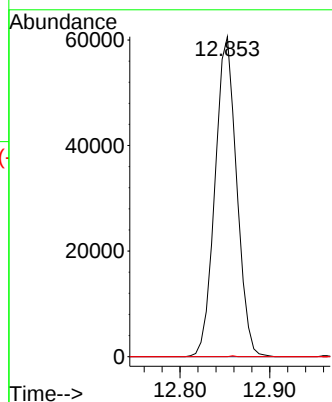
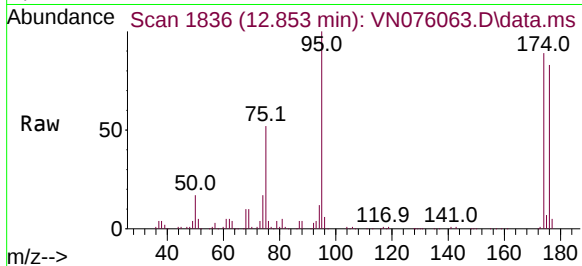




#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.805 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. 0.112 min
 Lab File: VN076063.D
 Acq: 03 Jan 2023 15:02

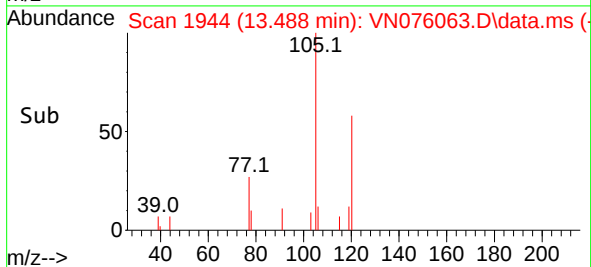
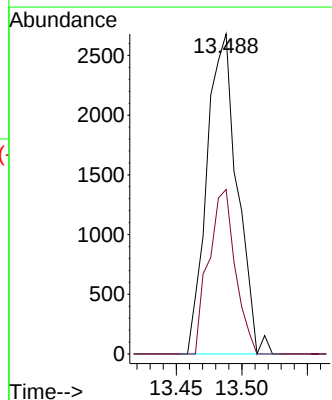
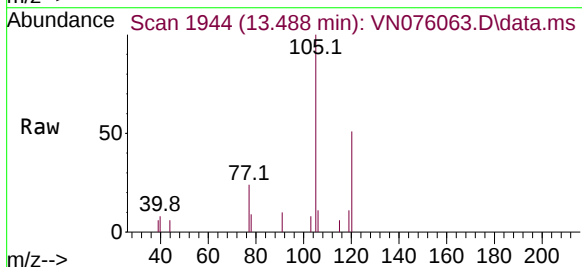
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

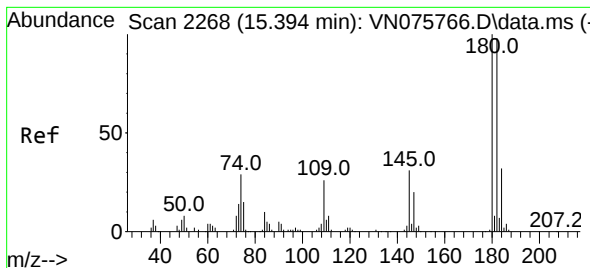
Tgt Ion: 75 Resp: 101612
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.1 39.5 59.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.361 ug/l
 RT: 13.488 min Scan# 1944
 Delta R.T. 0.006 min
 Lab File: VN076063.D
 Acq: 03 Jan 2023 15:02

Tgt Ion: 105 Resp: 4332
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.3 69.8





#93

1,2,4-Trichlorobenzene

Concen: 0.286 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076063.D

Acq: 03 Jan 2023 15:02

Instrument :

MSVOA_N

ClientSampleId :

MW-11

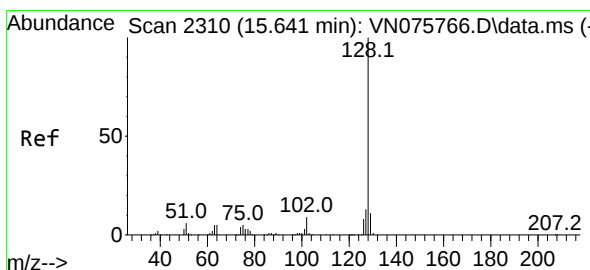
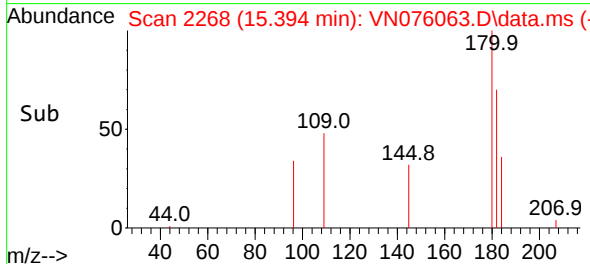
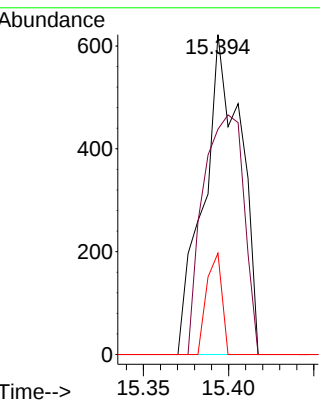
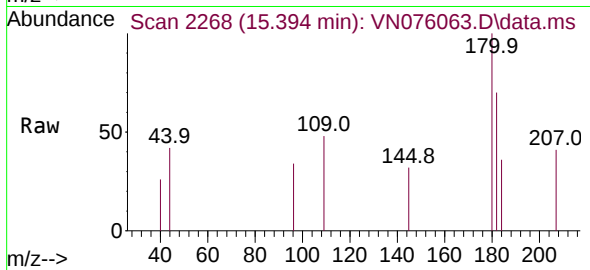
Tgt Ion:180 Resp: 940

Ion Ratio Lower Upper

180 100

182 82.4 47.5 142.5

145 13.1 15.3 45.8#



#95

Naphthalene

Concen: 2.938 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076063.D

Acq: 03 Jan 2023 15:02

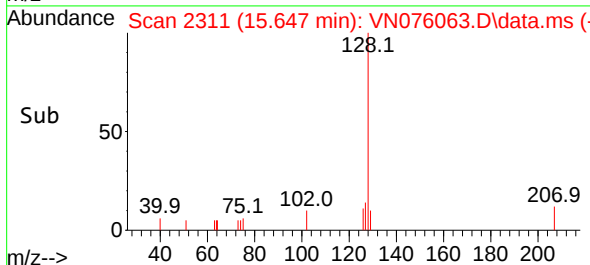
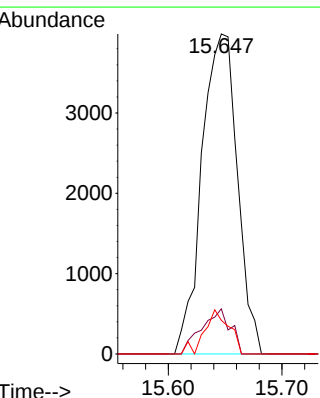
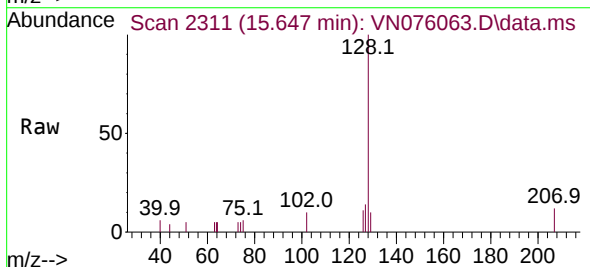
Tgt Ion:128 Resp: 8650

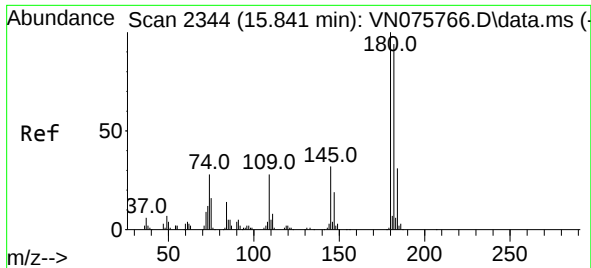
Ion Ratio Lower Upper

128 100

127 11.5 10.4 15.6

129 9.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.301 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076063.D
 Acq: 03 Jan 2023 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.0	141.0
145	17.3	16.0	47.9

