

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011123\
 Data File : VN076215.D
 Acq On : 11 Jan 2023 17:59
 Operator : JC\MD
 Sample : 01125-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

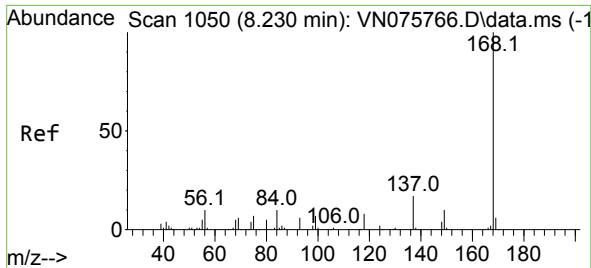
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2023-1-11

Quant Time: Jan 12 00:39:31 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	8.230	168	400526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	627637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	546493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	205045	47.057	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.120%		
35) Dibromofluoromethane	8.171	113	184793	47.543	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.080%		
50) Toluene-d8	10.571	98	714491	49.165	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.320%		
62) 4-Bromofluorobenzene	12.853	95	225015	46.748	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.500%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.130	64	913	0.292	ug/l #	44
16) Acetone	4.453	43	674	0.449	ug/l #	39
20) Methylene Chloride	5.289	84	1244	Below Cal	#	64
31) Cyclohexane	8.230	56	7426	1.190	ug/l #	4
36) 1,1-Dichloropropene	8.230	75	28265	5.474	ug/l #	50
38) Carbon Tetrachloride	8.230	117	37680	6.520	ug/l #	16
51) 4-Methyl-2-Pentanone	10.571	43	2716	0.656	ug/l #	1
71) Bromoform	12.847	173	1459	0.483	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	117096	25.554	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	117096	91.983	ug/l #	12
95) Naphthalene	15.641	128	5752	2.622	ug/l	96

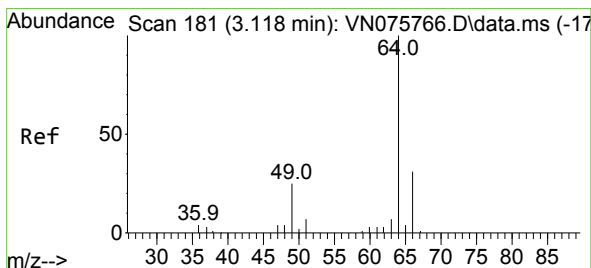
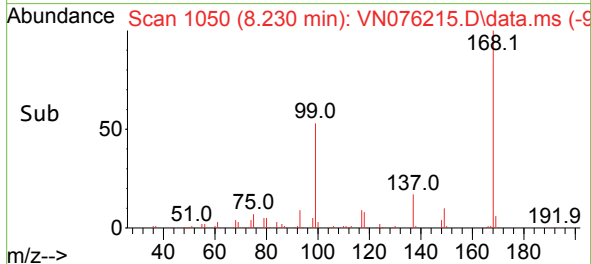
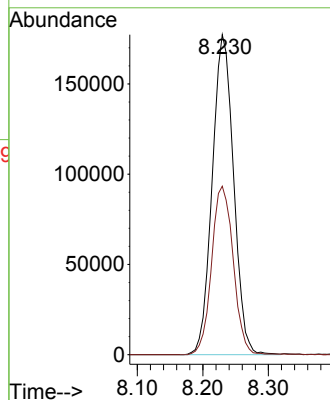
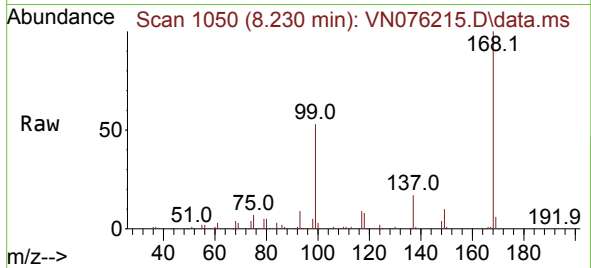
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076215.D
Acq: 11 Jan 2023 17:59

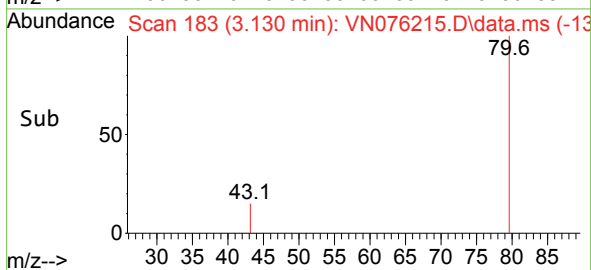
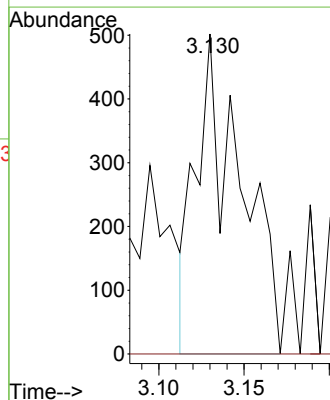
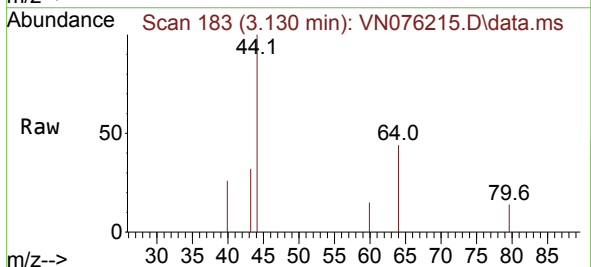
Instrument :
MSVOA_N
ClientSampleId :
TB-2023-1-11

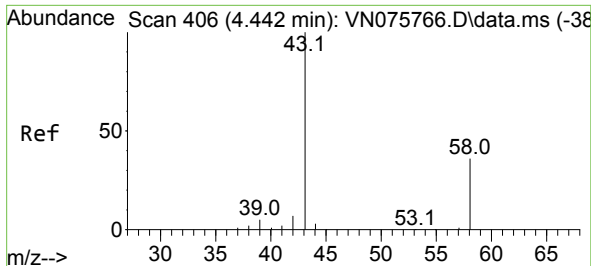
Tgt Ion:168 Resp: 400526
Ion Ratio Lower Upper
168 100
99 52.7 44.2 66.4



#6
Chloroethane
Concen: 0.292 ug/l
RT: 3.130 min Scan# 183
Delta R.T. 0.012 min
Lab File: VN076215.D
Acq: 11 Jan 2023 17:59

Tgt Ion: 64 Resp: 913
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#





#16

Acetone

Concen: 0.449 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN076215.D

Acq: 11 Jan 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :

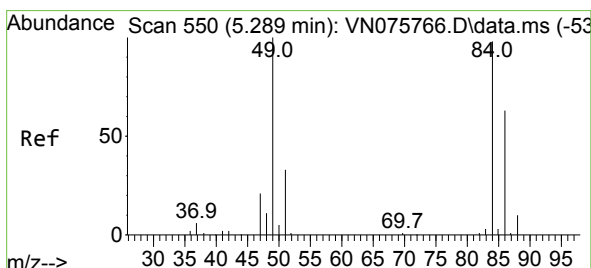
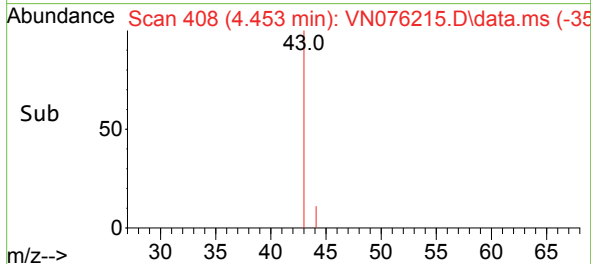
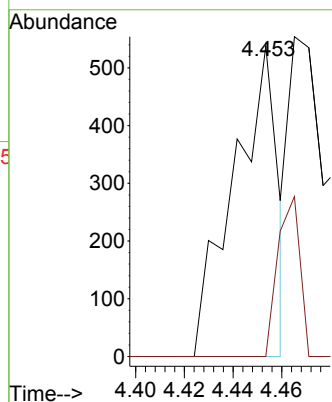
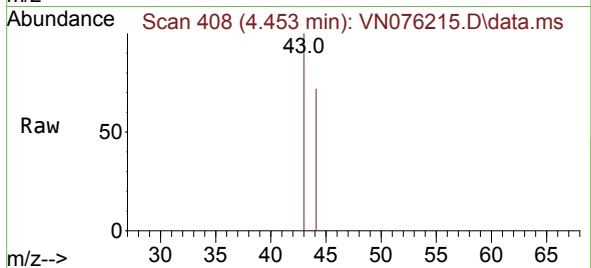
TB-2023-1-11

Tgt Ion: 43 Resp: 674

Ion Ratio Lower Upper

43 100

58 0.0 28.6 43.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.289 min Scan# 550

Delta R.T. -0.000 min

Lab File: VN076215.D

Acq: 11 Jan 2023 17:59

Tgt Ion: 84 Resp: 1244

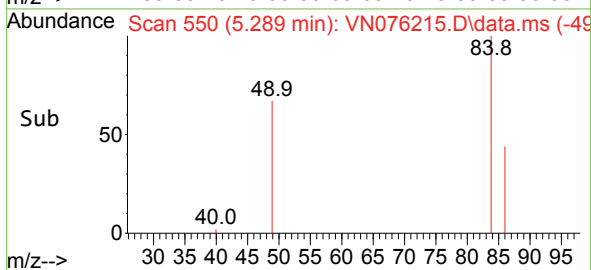
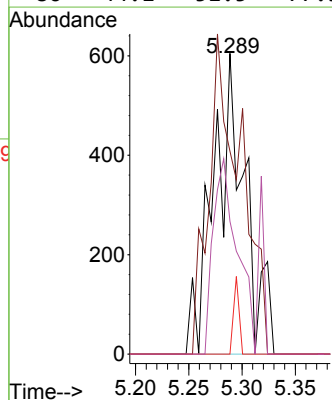
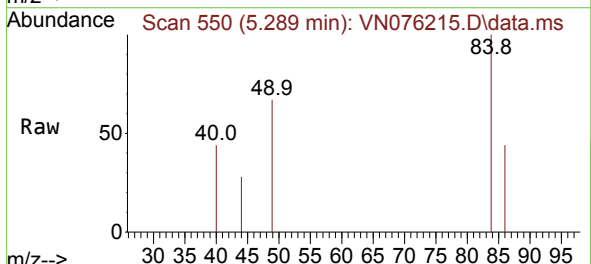
Ion Ratio Lower Upper

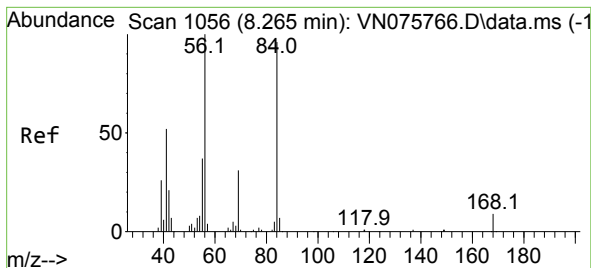
84 100

49 67.4 81.8 122.6#

51 0.0 26.7 40.1#

86 44.1 51.5 77.3#





#31

Cyclohexane

Concen: 1.190 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076215.D

Acq: 11 Jan 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :

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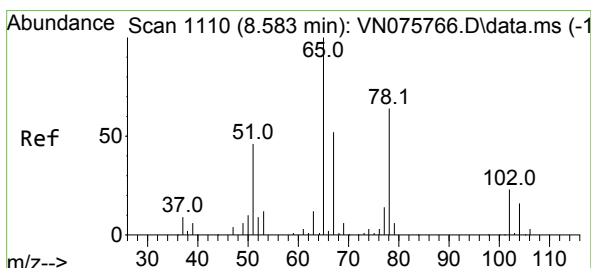
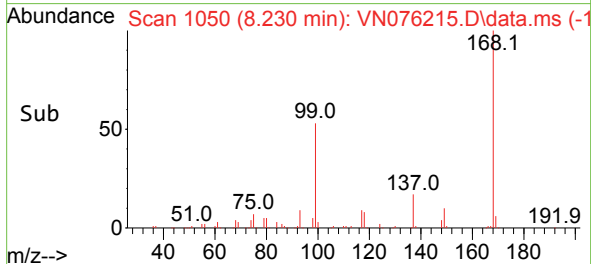
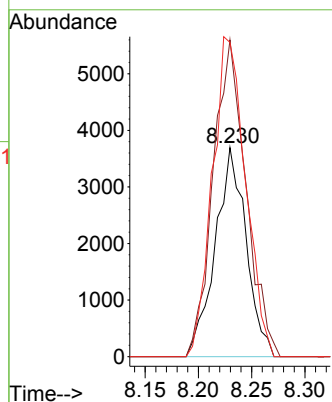
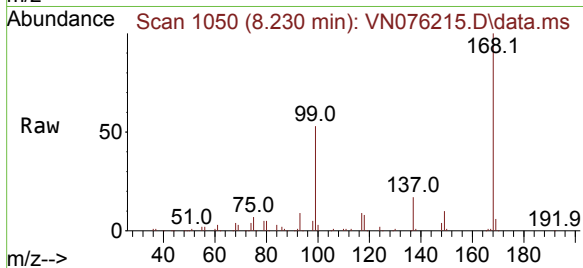
Tgt Ion: 56 Resp: 7426

Ion Ratio Lower Upper

56 100

69 151.6 24.7 37.1#

84 150.3 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 47.057 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076215.D

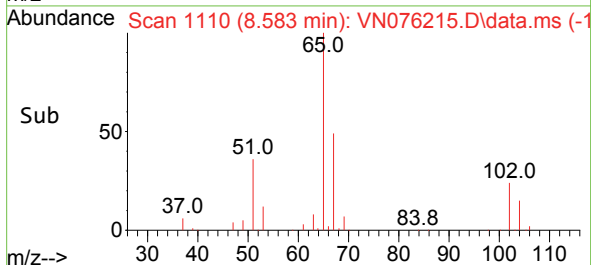
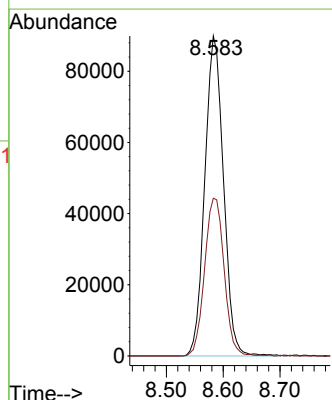
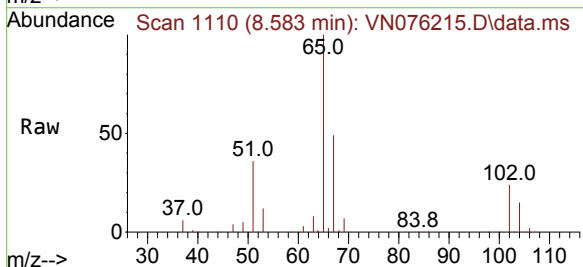
Acq: 11 Jan 2023 17:59

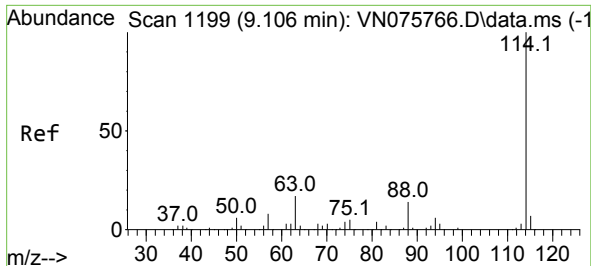
Tgt Ion: 65 Resp: 205045

Ion Ratio Lower Upper

65 100

67 51.5 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: VN076215.D

Acq: 11 Jan 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :

TB-2023-1-11

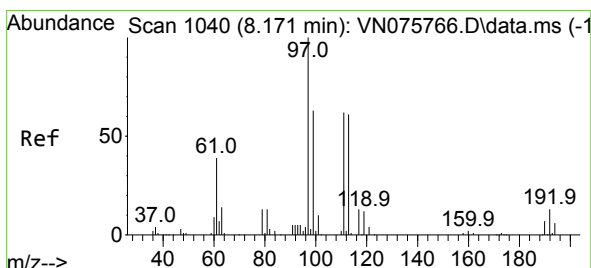
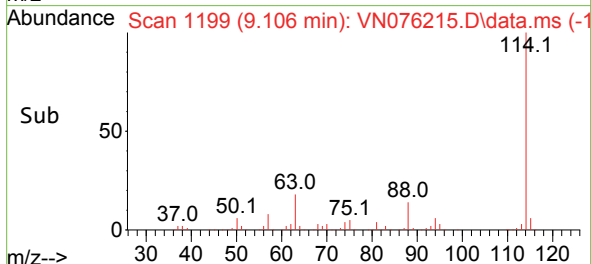
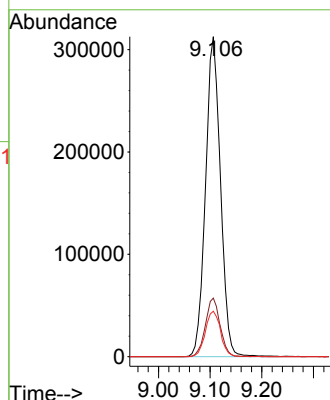
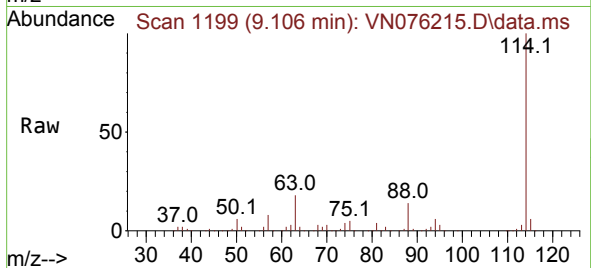
Tgt Ion:114 Resp: 627637

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.4

88 14.2 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.543 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN076215.D

Acq: 11 Jan 2023 17:59

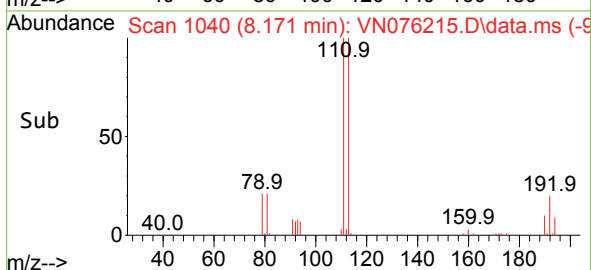
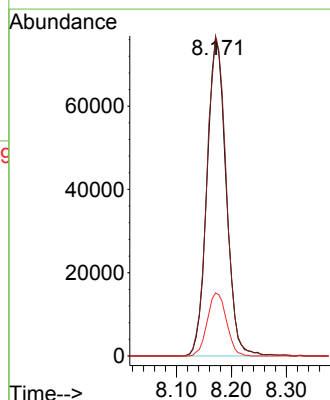
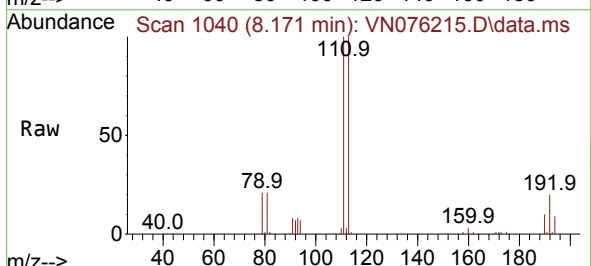
Tgt Ion:113 Resp: 184793

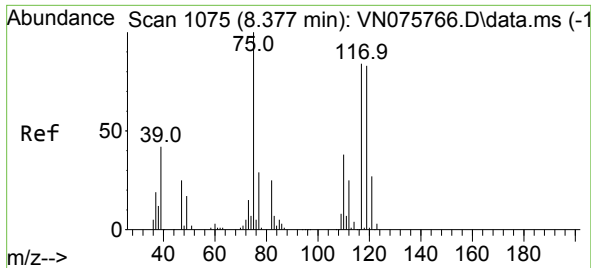
Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.2

192 19.8 16.1 24.1

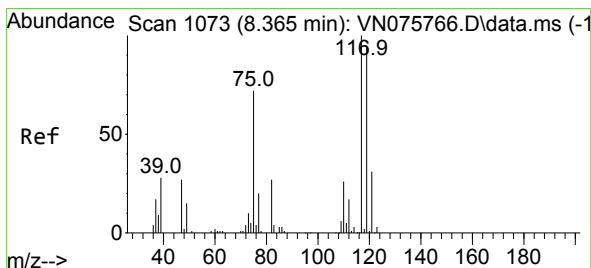
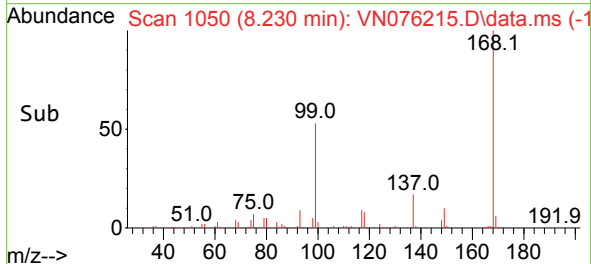
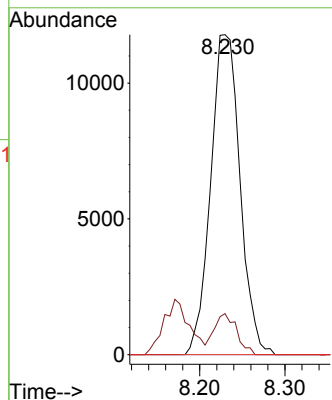
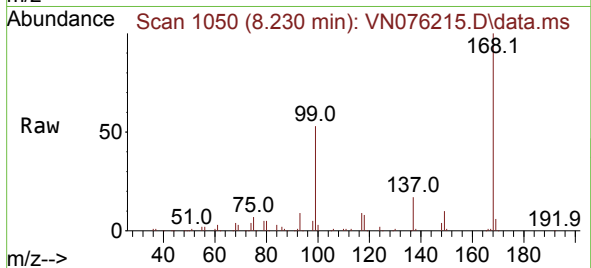




#36
 1,1-Dichloropropene
 Concen: 5.474 ug/l
 RT: 8.230 min Scan# 1050
 Delta R.T. -0.147 min
 Lab File: VN076215.D
 Acq: 11 Jan 2023 17:59

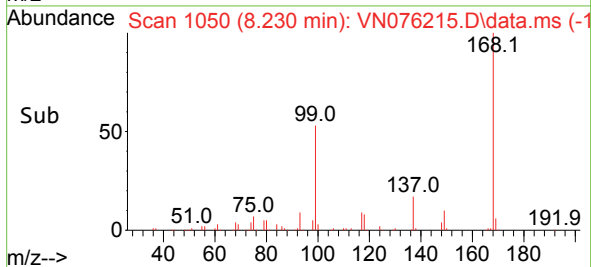
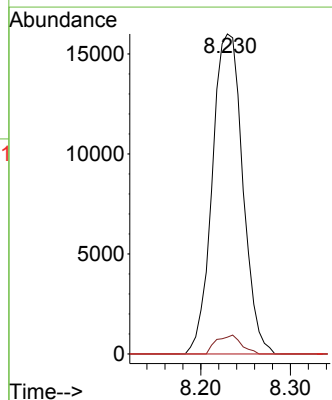
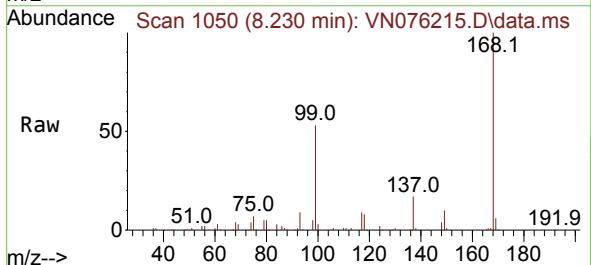
Instrument :
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 TB-2023-1-11

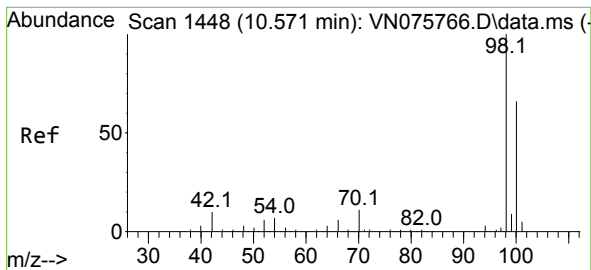
Tgt Ion: 75 Resp: 28265
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.8 56.4#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 6.520 ug/l
 RT: 8.230 min Scan# 1050
 Delta R.T. -0.135 min
 Lab File: VN076215.D
 Acq: 11 Jan 2023 17:59

Tgt Ion: 117 Resp: 37680
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.1 114.1#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 49.165 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN076215.D

Acq: 11 Jan 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :

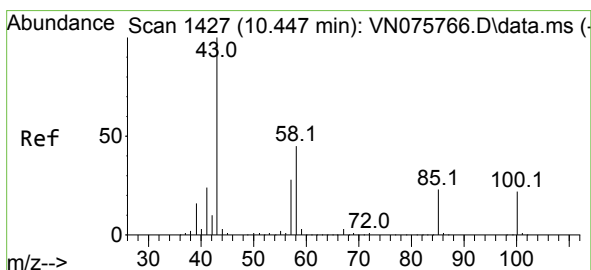
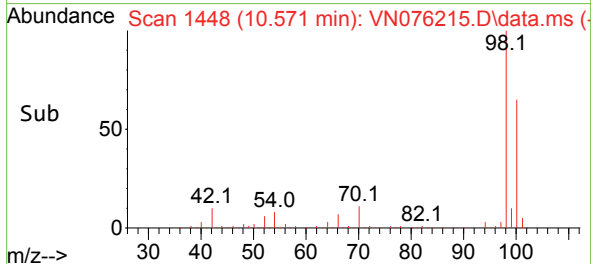
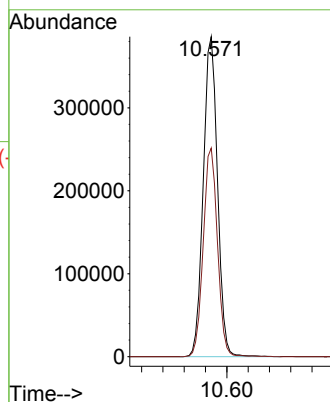
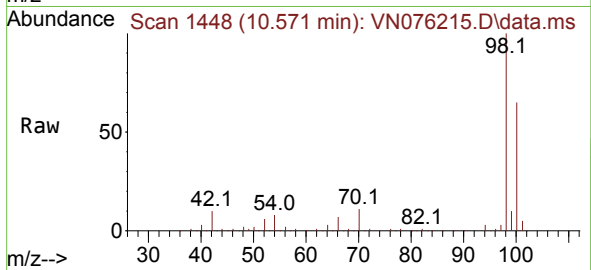
TB-2023-1-11

Tgt Ion: 98 Resp: 714491

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 0.656 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.124 min

Lab File: VN076215.D

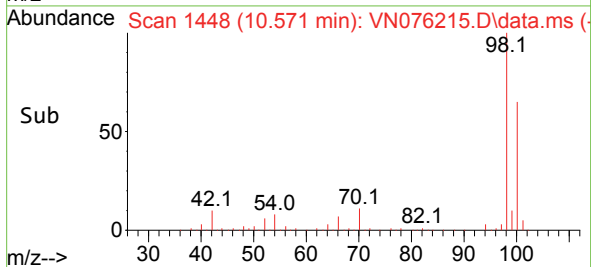
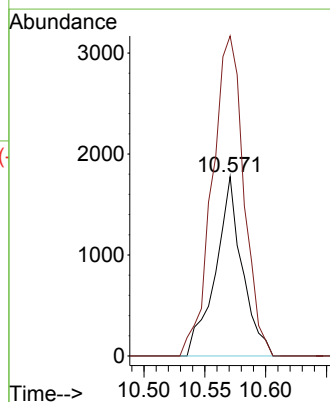
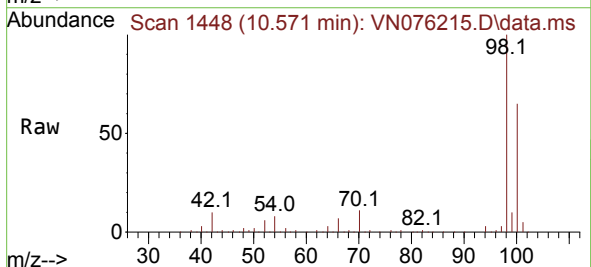
Acq: 11 Jan 2023 17:59

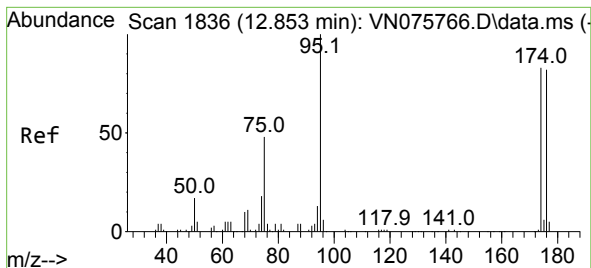
Tgt Ion: 43 Resp: 2716

Ion Ratio Lower Upper

43 100

58 211.1 35.5 53.3#

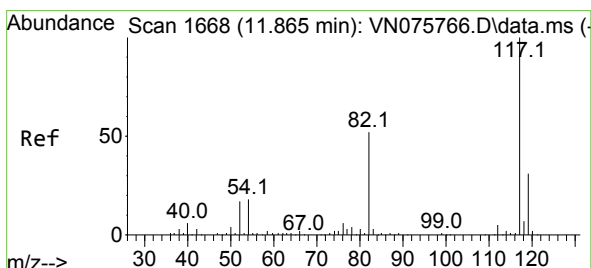
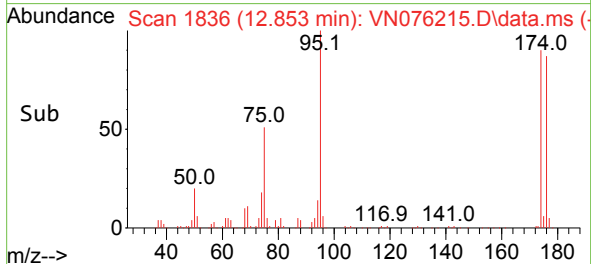
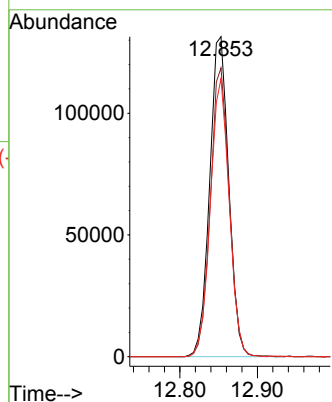
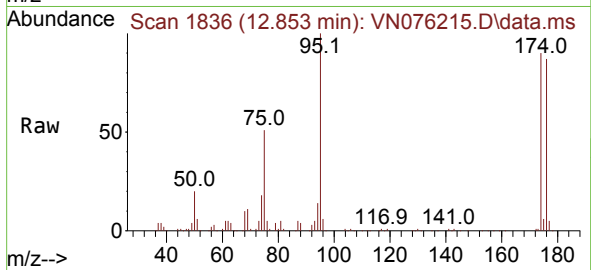




#62
4-Bromofluorobenzene
Concen: 46.748 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076215.D
Acq: 11 Jan 2023 17:59

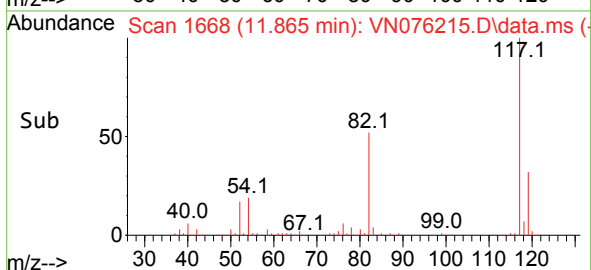
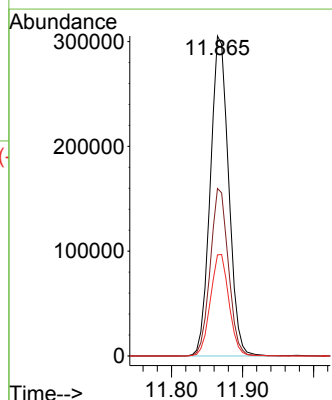
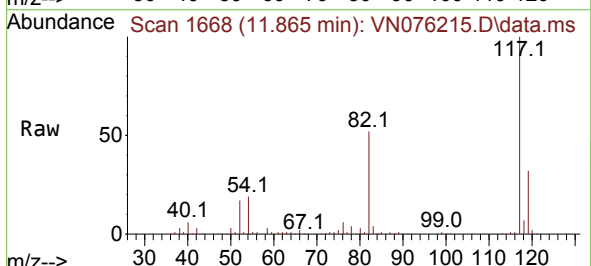
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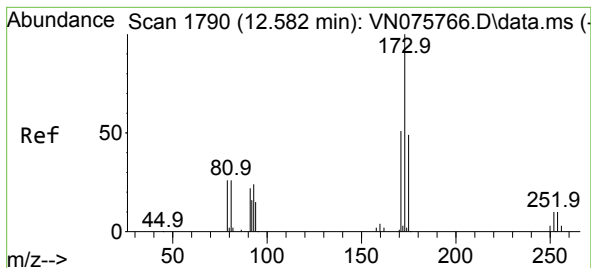
Tgt Ion: 95 Resp: 225015
Ion Ratio Lower Upper
95 100
174 89.3 0.0 171.6
176 85.6 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VN076215.D
Acq: 11 Jan 2023 17:59

Tgt Ion: 117 Resp: 546493
Ion Ratio Lower Upper
117 100
82 52.3 41.3 61.9
119 31.6 24.6 37.0





#71

Bromoform

Concen: 0.483 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.265 min

Lab File: VN076215.D

Acq: 11 Jan 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :

TB-2023-1-11

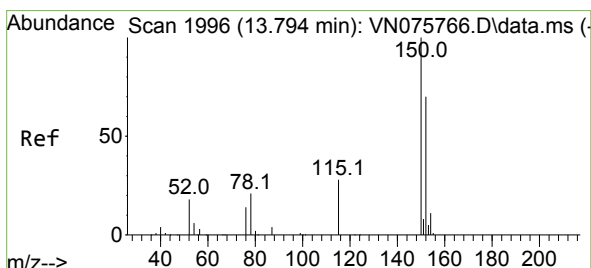
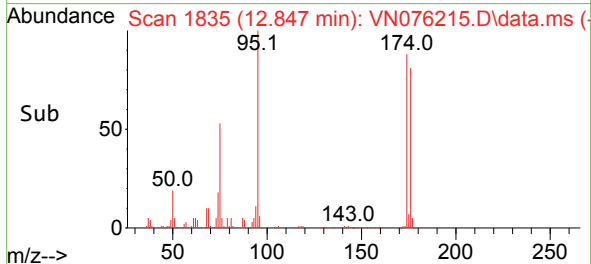
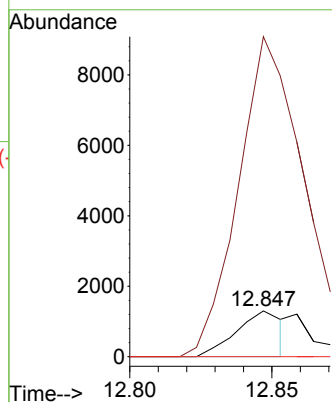
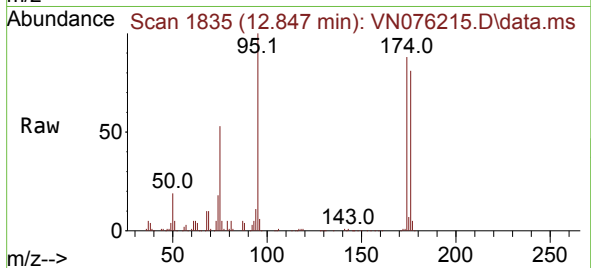
Tgt Ion:173 Resp: 1459

Ion Ratio Lower Upper

173 100

175 836.7 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: VN076215.D

Acq: 11 Jan 2023 17:59

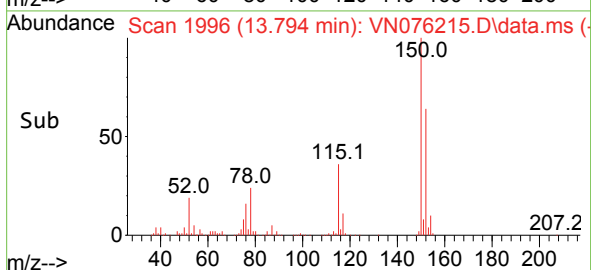
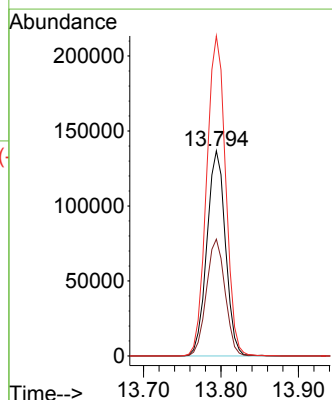
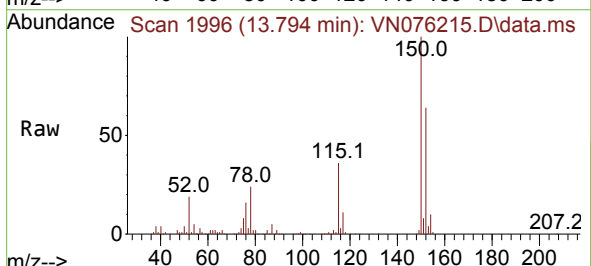
Tgt Ion:152 Resp: 227321

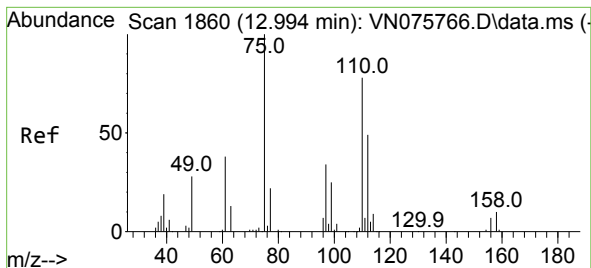
Ion Ratio Lower Upper

152 100

115 57.4 29.1 87.4

150 159.7 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 25.554 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN076215.D

Acq: 11 Jan 2023 17:59

Instrument :

MSVOA_N

ClientSampleId :

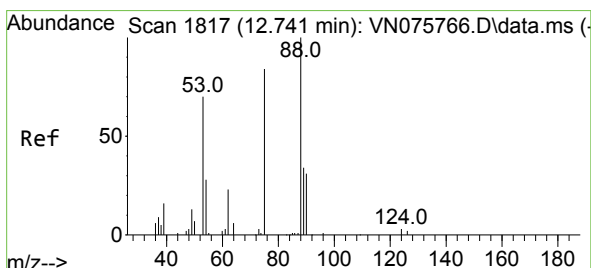
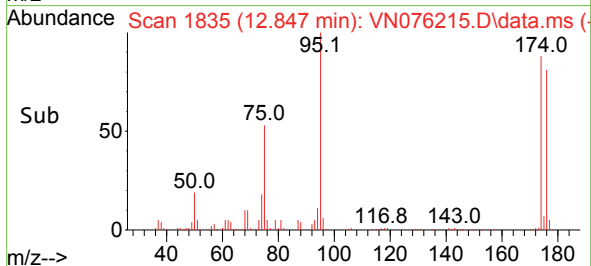
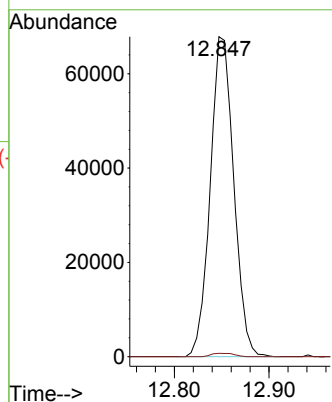
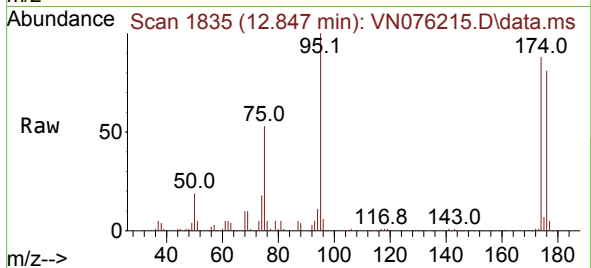
TB-2023-1-11

Tgt Ion: 75 Resp: 117096

Ion Ratio Lower Upper

75 100

77 1.0 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.983 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.106 min

Lab File: VN076215.D

Acq: 11 Jan 2023 17:59

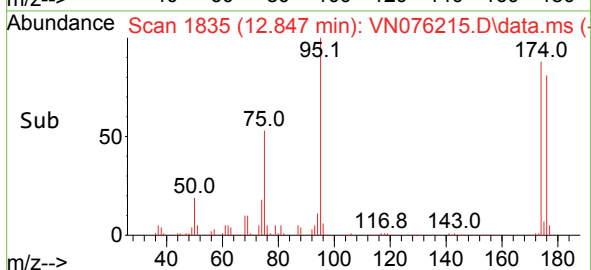
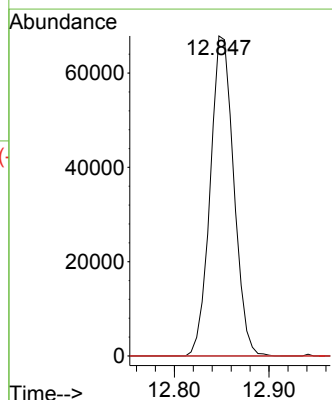
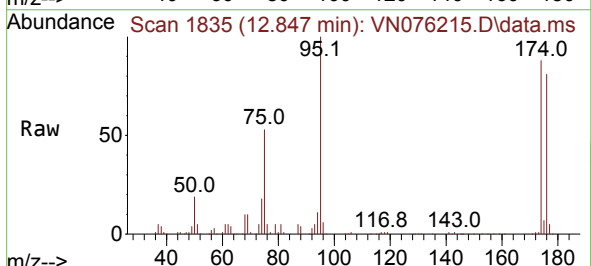
Tgt Ion: 75 Resp: 117096

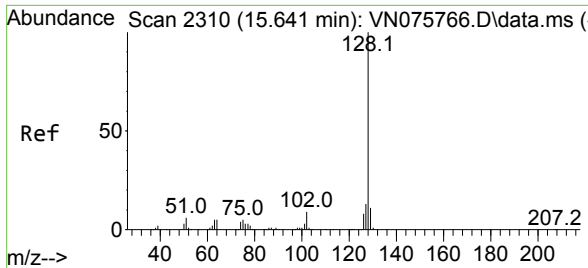
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 39.5 59.3#





#95
 Naphthalene
 Concen: 2.622 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076215.D
 Acq: 11 Jan 2023 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2023-1-11

Tgt Ion:	128	Resp:	5752
Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.4	15.6
129	13.1	8.7	13.1

