

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020323\
 Data File : VN076532.D
 Acq On : 03 Feb 2023 14:59
 Operator : JC\MD
 Sample : 01415-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Feb 03 22:18:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

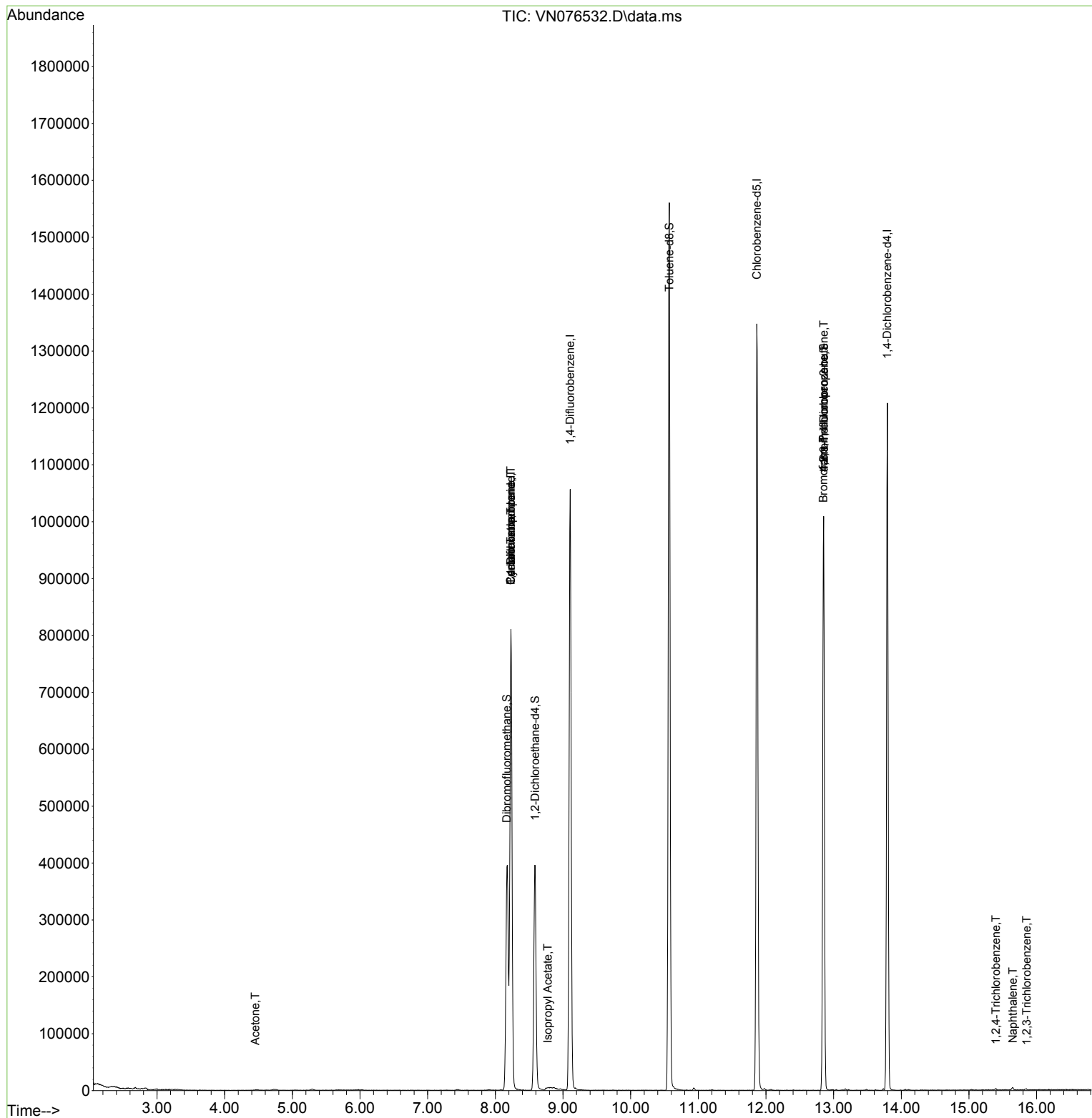
Internal Standards						
1) Pentafluorobenzene	8.230	168	593757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	977698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	837915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	331607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	341981	51.440	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.880%
35) Dibromofluoromethane	8.171	113	297365	48.622	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.240%
50) Toluene-d8	10.571	98	1122900	49.715	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.420%
62) 4-Bromofluorobenzene	12.853	95	366559	49.713	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.420%
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	1923	0.829	ug/l #	84
20) Methylene Chloride	5.301	84	1794	Below Cal	#	78
31) Cyclohexane	8.230	56	11307	1.107	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	44028	5.066	ug/l #	49
38) Carbon Tetrachloride	8.230	117	63830	6.586	ug/l #	16
43) Isopropyl Acetate	8.777	43	4474	0.395	ug/l #	51
71) Bromoform	12.847	173	1299	0.273	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	184849	30.224	ug/l #	1
77) Bromobenzene	12.988	156	294	Below Cal		84
81) trans-1,4-Dichloro-2-b...	12.853	75	184849	92.747	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.400	180	1251	1.515	ug/l #	71
95) Naphthalene	15.647	128	4565	2.094	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.853	180	826	1.299	ug/l	77

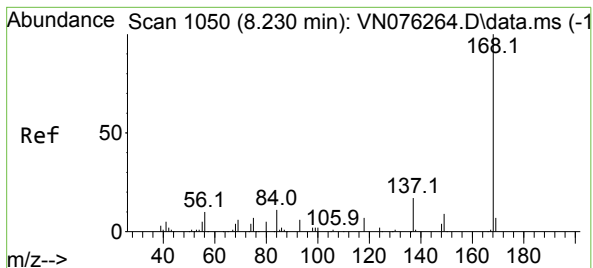
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

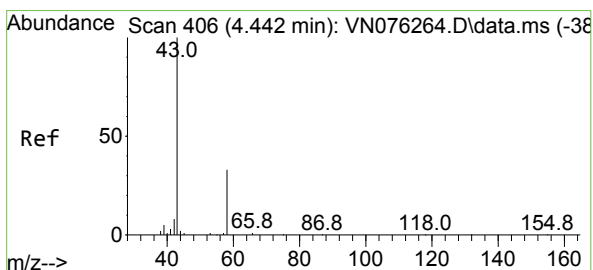
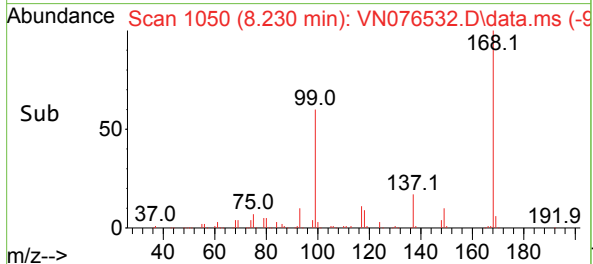
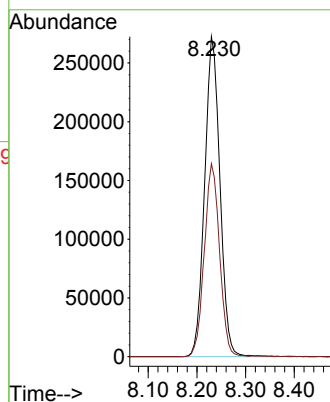
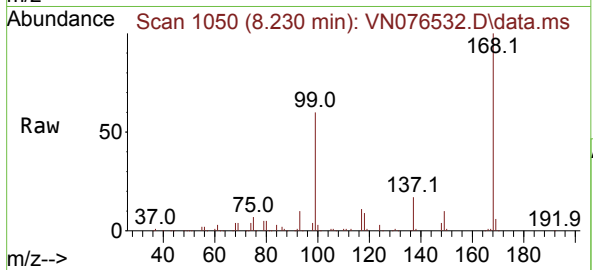
TB

Tgt Ion:168 Resp: 593757

Ion Ratio Lower Upper

168 100

99 60.3 41.6 62.4



#16

Acetone

Concen: 0.829 ug/l

RT: 4.453 min Scan# 408

Delta R.T. 0.011 min

Lab File: VN076532.D

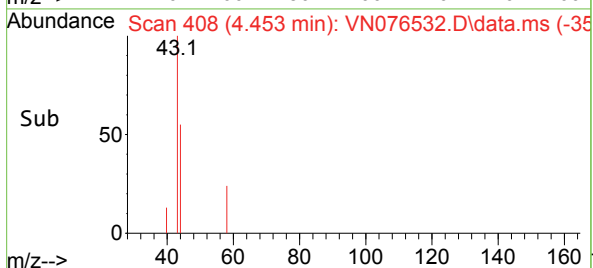
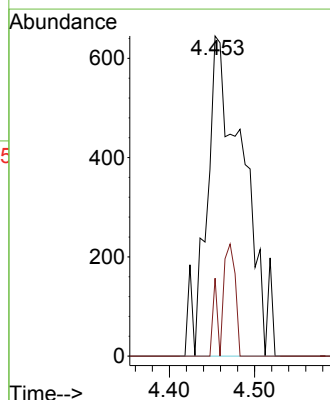
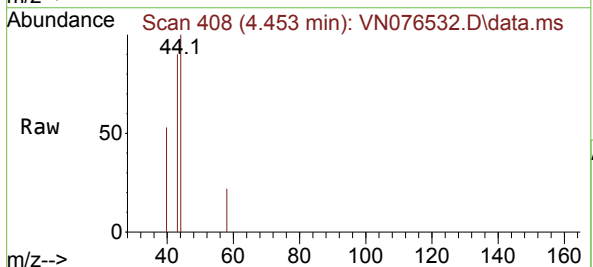
Acq: 03 Feb 2023 14:59

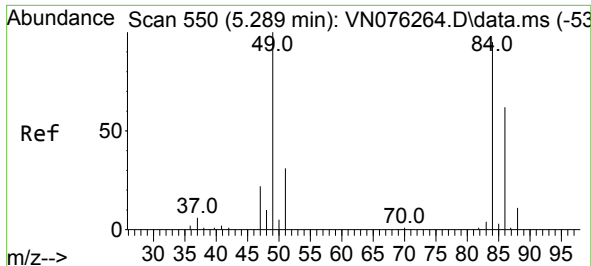
Tgt Ion: 43 Resp: 1923

Ion Ratio Lower Upper

43 100

58 24.3 26.7 40.1#

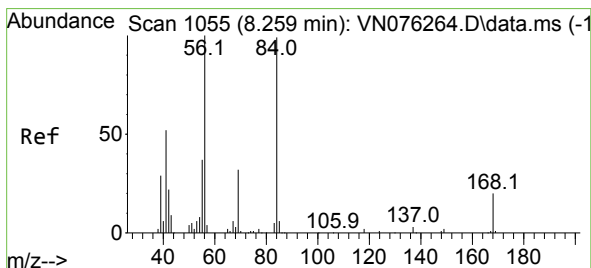
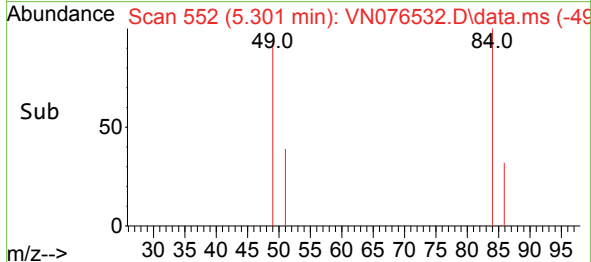
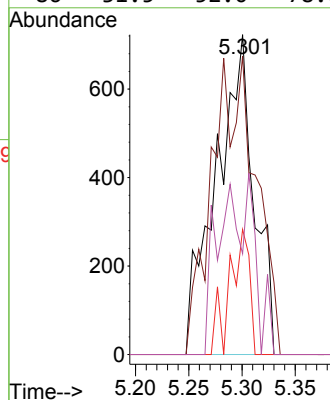
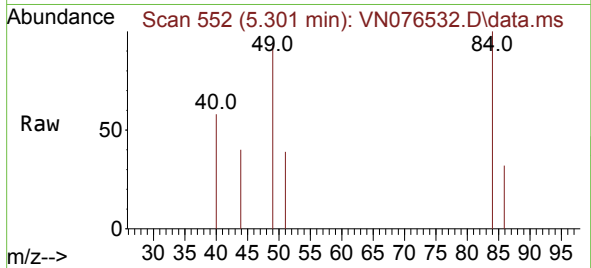




#20
Methylene Chloride
Concen: Below Cal
RT: 5.301 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN076532.D
Acq: 03 Feb 2023 14:59

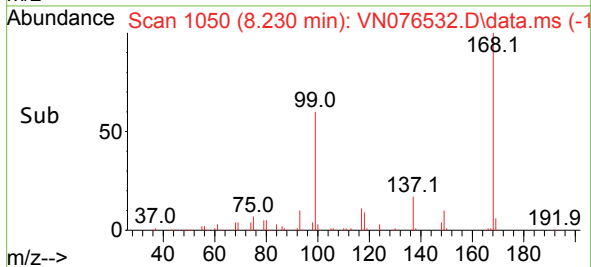
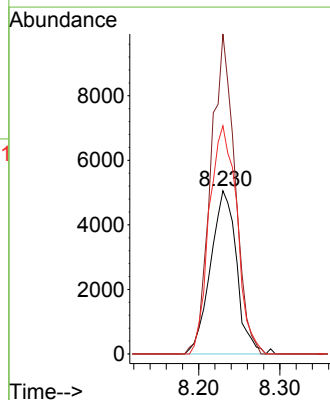
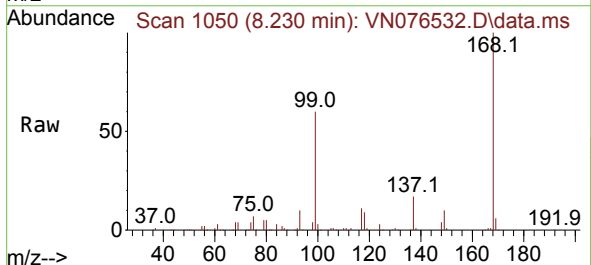
Instrument :
MSVOA_N
ClientSampleId :
TB

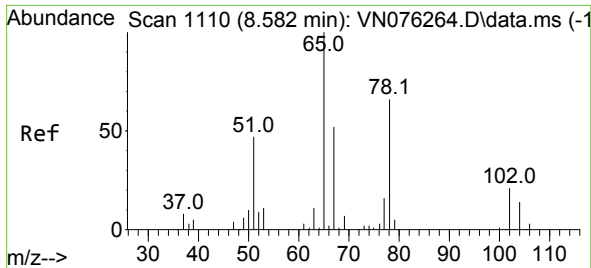
Tgt Ion: 84	Resp: 1794
Ion Ratio	Lower Upper
84 100	
49 93.4	84.5 126.7
51 39.1	26.0 39.0#
86 31.5	52.0 78.0#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN076532.D
Acq: 03 Feb 2023 14:59

Tgt Ion: 56	Resp: 11307
Ion Ratio	Lower Upper
56 100	
69 196.1	25.8 38.8#
84 139.9	79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 51.440 ug/l

RT: 8.589 min Scan# 1111

Delta R.T. 0.007 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

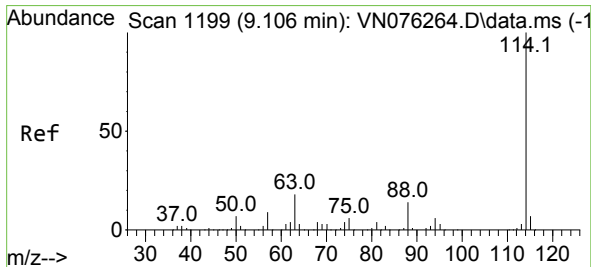
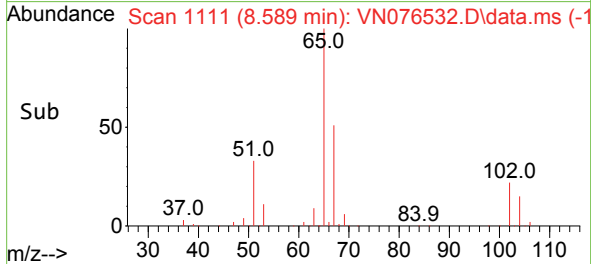
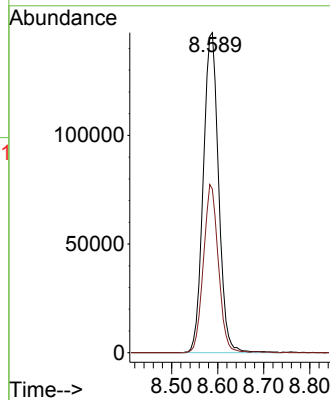
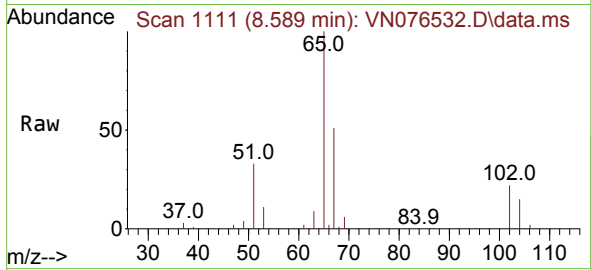
TB

Tgt Ion: 65 Resp: 341981

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

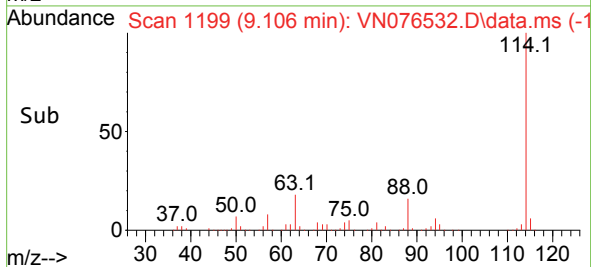
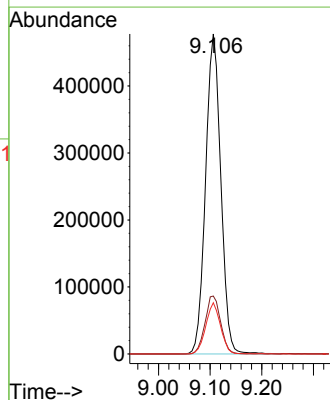
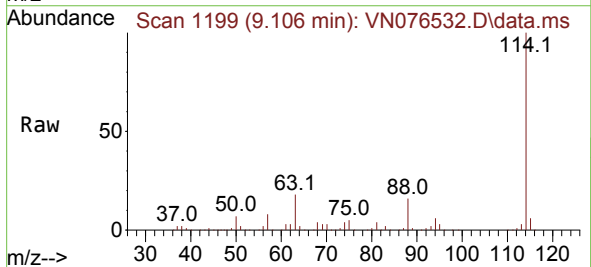
Tgt Ion: 114 Resp: 977698

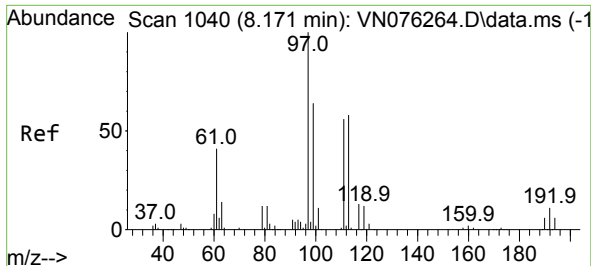
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.8

88 16.0 0.0 28.0

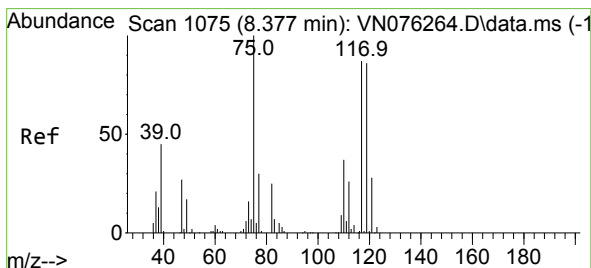
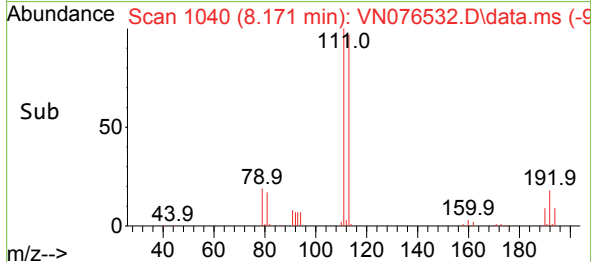
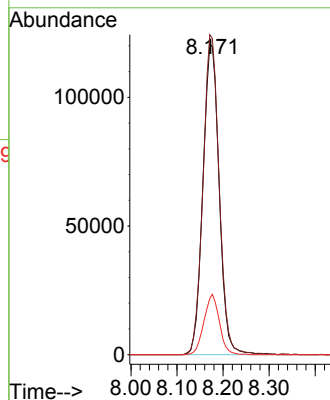
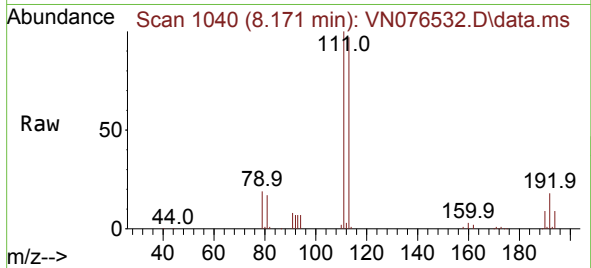




#35
Dibromofluoromethane
Concen: 48.622 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076532.D
Acq: 03 Feb 2023 14:59

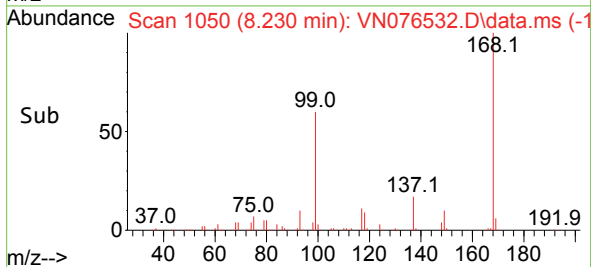
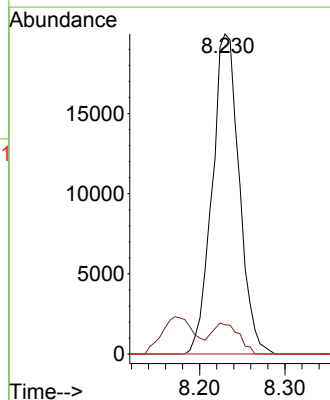
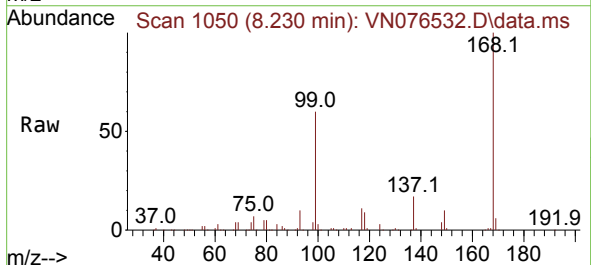
Instrument :
MSVOA_N
ClientSampleId :
TB

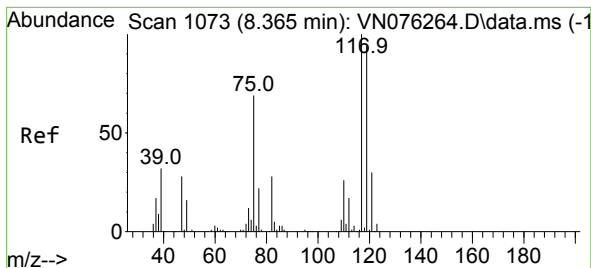
Tgt Ion:113 Resp: 297365
Ion Ratio Lower Upper
113 100
111 102.2 82.7 124.1
192 18.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.066 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076532.D
Acq: 03 Feb 2023 14:59

Tgt Ion: 75 Resp: 44028
Ion Ratio Lower Upper
75 100
110 9.5 18.8 56.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.586 ug/l

RT: 8.230 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

TB

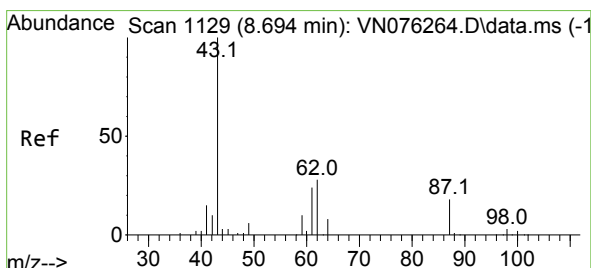
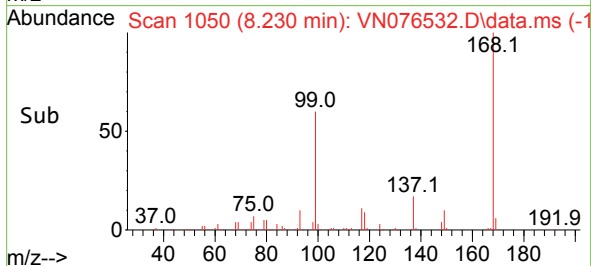
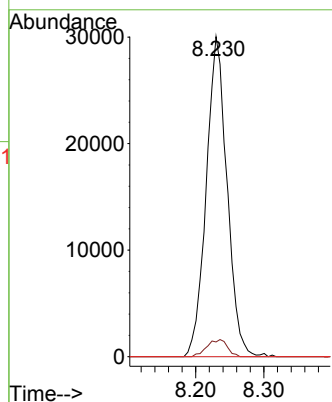
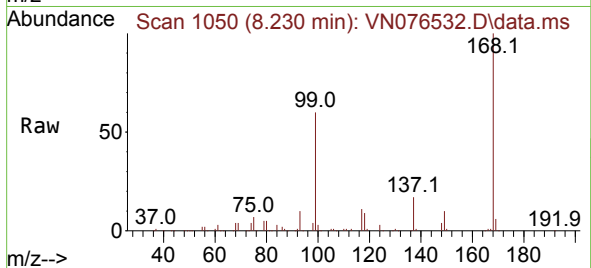
Tgt Ion:117 Resp: 63830

Ion Ratio Lower Upper

117 100

119 4.6 75.4 113.0#

121 0.0 24.2 36.2#



#43

Isopropyl Acetate

Concen: 0.395 ug/l

RT: 8.777 min Scan# 1143

Delta R.T. 0.083 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

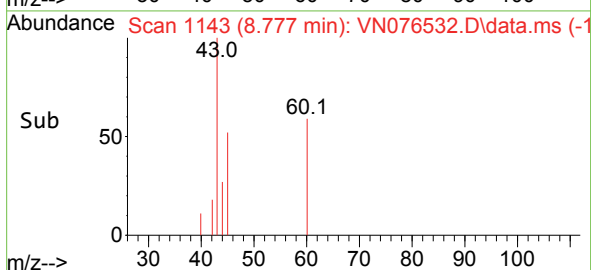
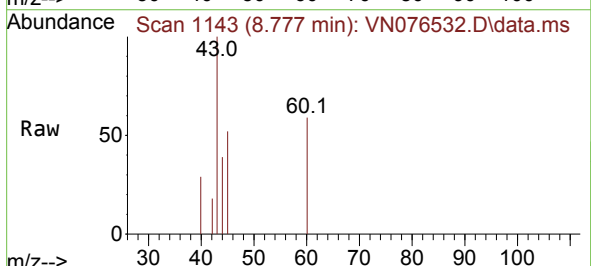
Tgt Ion: 43 Resp: 4474

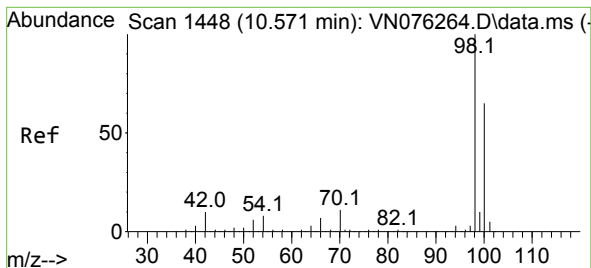
Ion Ratio Lower Upper

43 100

61 0.0 23.5 35.3#

87 0.0 13.8 20.6#





#50

Toluene-d8

Concen: 49.715 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

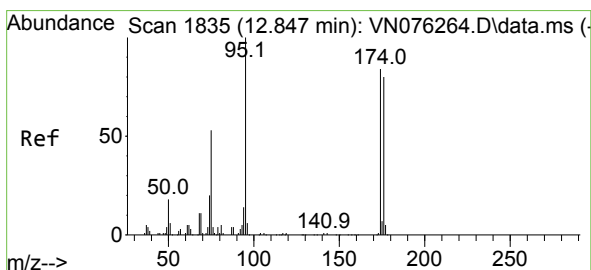
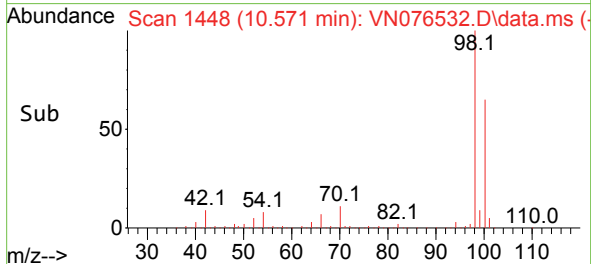
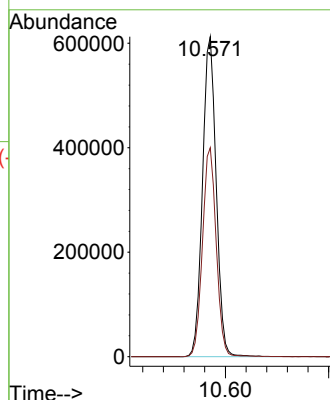
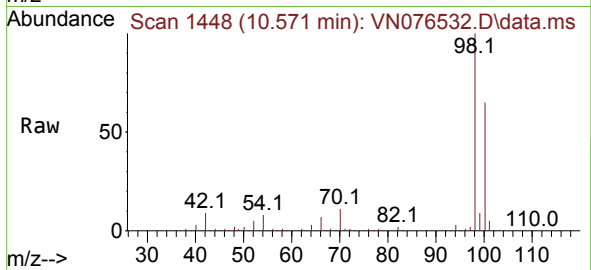
TB

Tgt Ion: 98 Resp: 1122900

Ion Ratio Lower Upper

98 100

100 65.7 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 49.713 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

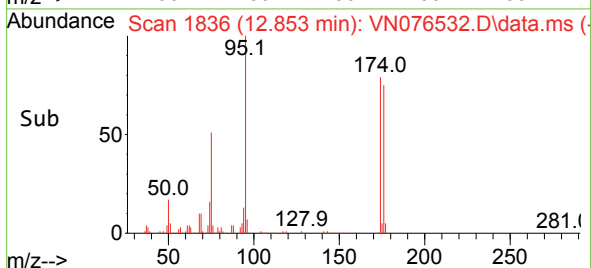
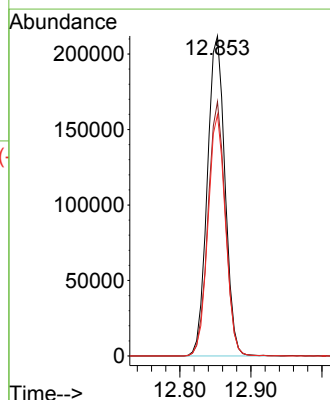
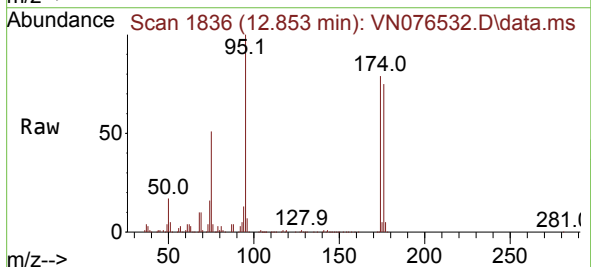
Tgt Ion: 95 Resp: 366559

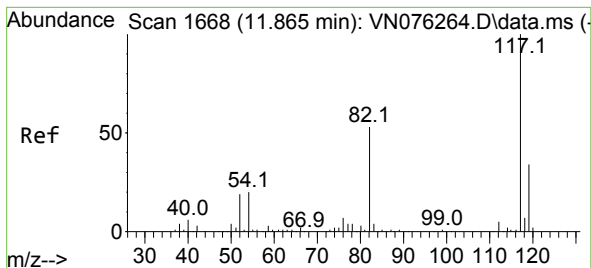
Ion Ratio Lower Upper

95 100

174 78.1 0.0 174.6

176 74.5 0.0 167.8

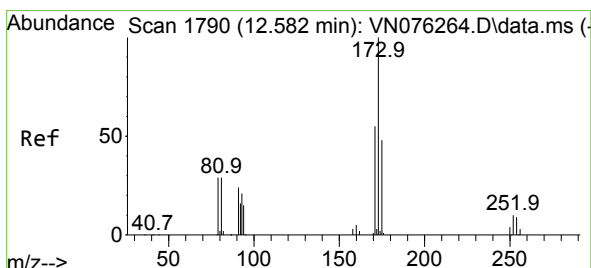
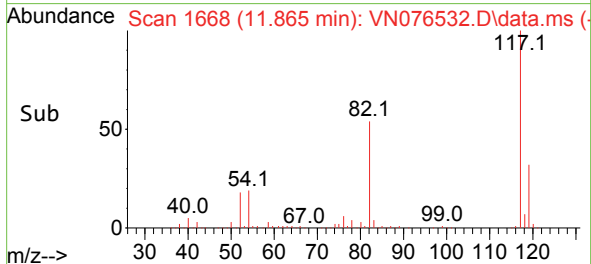
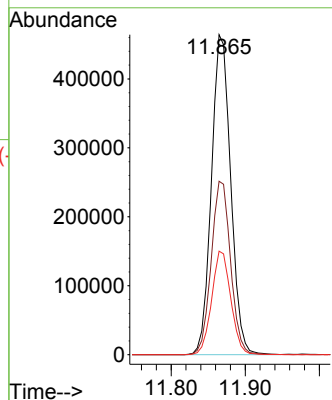
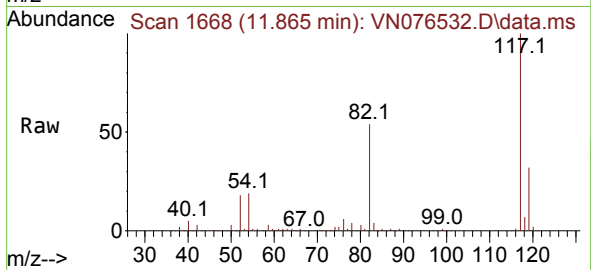




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076532.D
Acq: 03 Feb 2023 14:59

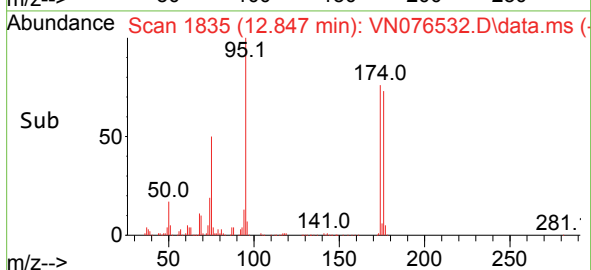
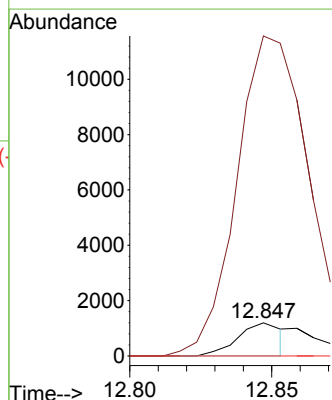
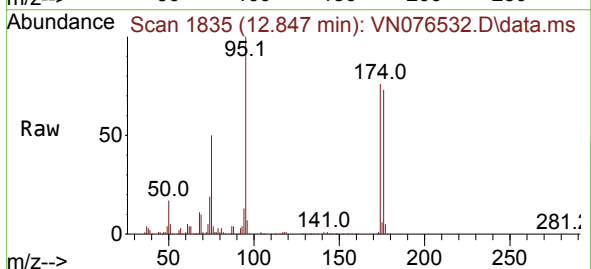
Instrument :
MSVOA_N
ClientSampleId :
TB

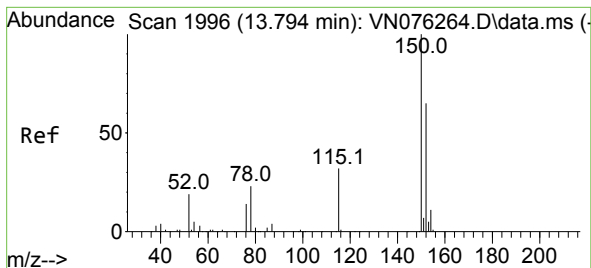
Tgt Ion:117 Resp: 837915
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.2
119 32.3 26.9 40.3



#71
Bromoform
Concen: 0.273 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076532.D
Acq: 03 Feb 2023 14:59

Tgt Ion:173 Resp: 1299
Ion Ratio Lower Upper
173 100
175 1308.2 24.1 72.4#
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: VN076532.D

Acq: 03 Feb 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

TB

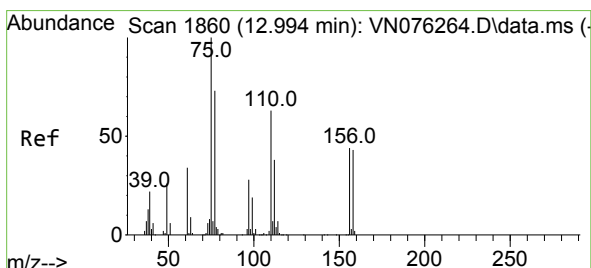
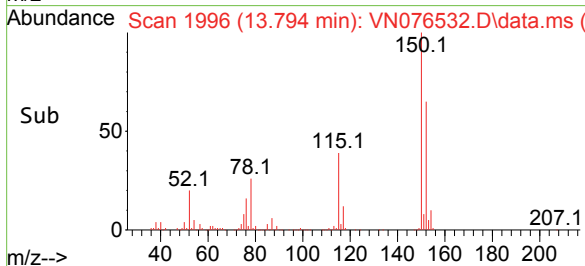
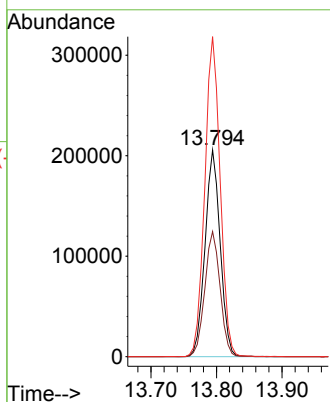
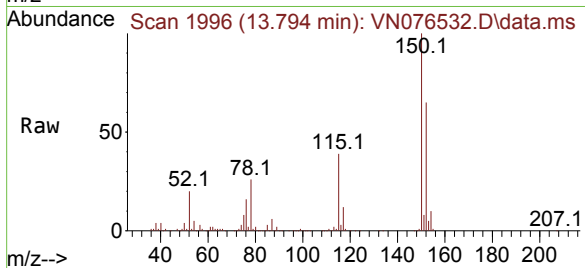
Tgt Ion:152 Resp: 331607

Ion Ratio Lower Upper

152 100

115 61.1 29.6 88.9

150 156.9 0.0 351.4



#76

1,2,3-Trichloropropane

Concen: 30.224 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076532.D

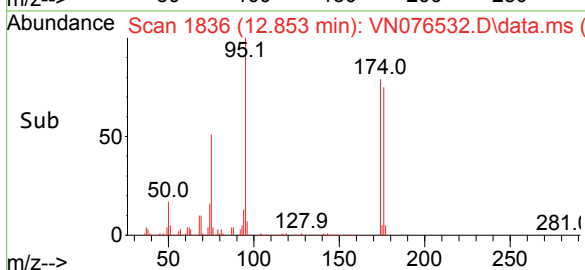
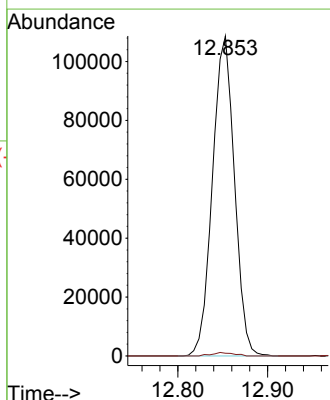
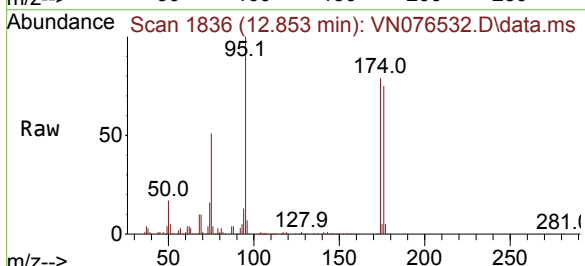
Acq: 03 Feb 2023 14:59

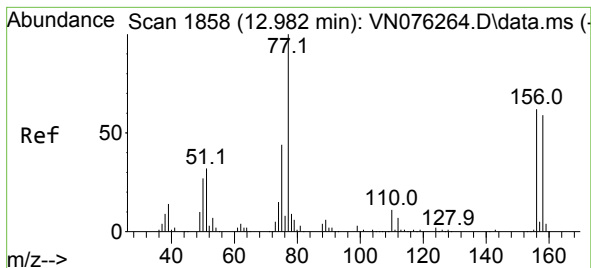
Tgt Ion: 75 Resp: 184849

Ion Ratio Lower Upper

75 100

77 1.1 75.2 225.6#





#77

Bromobenzene

Concen: Below Cal

RT: 12.988 min Scan# 1858

Delta R.T. 0.006 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

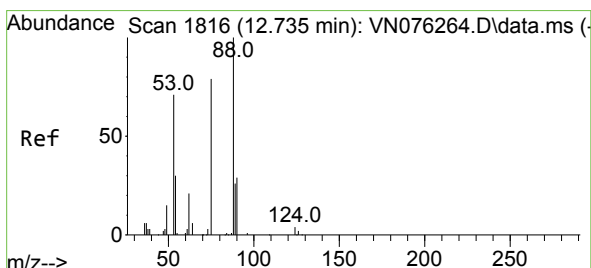
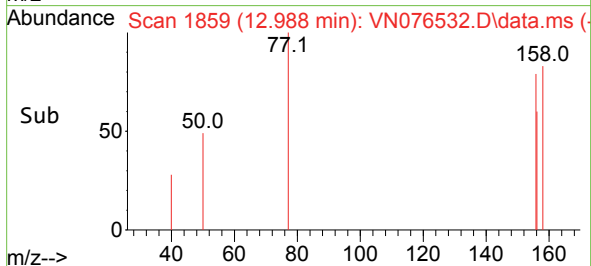
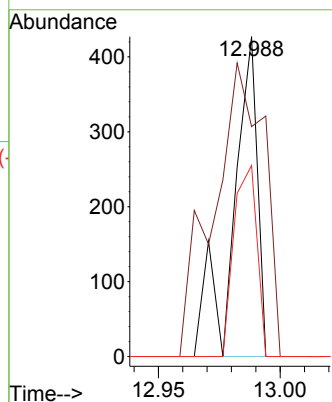
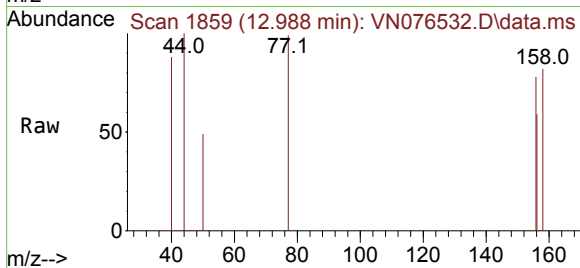
Instrument :

MSVOA_N

ClientSampleId :

TB

Tgt Ion:	156	Resp:	294
Ion	Ratio	Lower	Upper
156	100		
77	192.2	93.4	280.2
158	56.8	48.4	145.2



#81

trans-1,4-Dichloro-2-butene

Concen: 92.747 ug/l

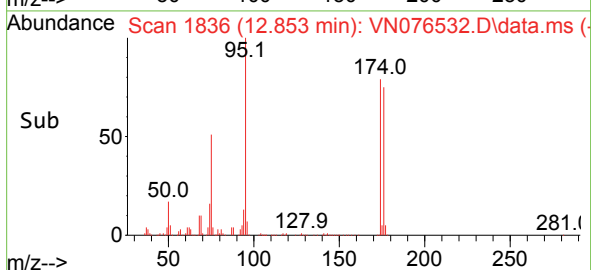
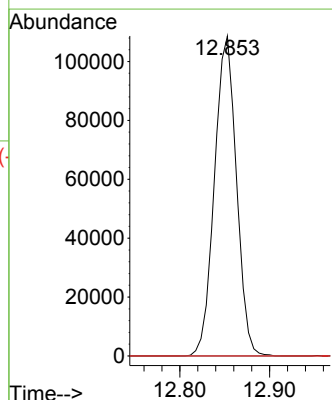
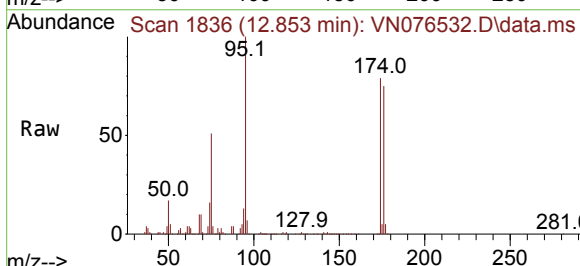
RT: 12.853 min Scan# 1836

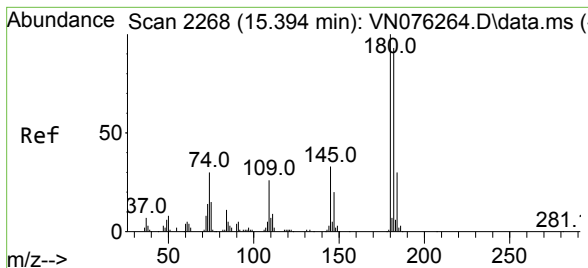
Delta R.T. 0.118 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

Tgt Ion:	75	Resp:	184849
Ion	Ratio	Lower	Upper
75	100		
53	0.0	75.8	113.8#
89	0.0	37.0	55.6#





#93

1,2,4-Trichlorobenzene

Concen: 1.515 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

Instrument :

MSVOA_N

ClientSampleId :

TB

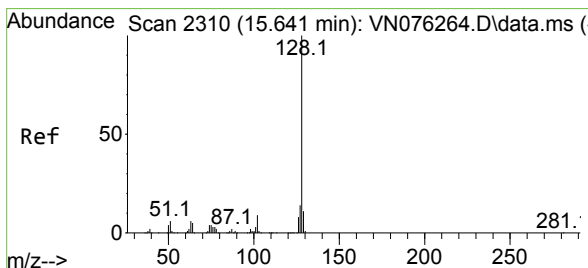
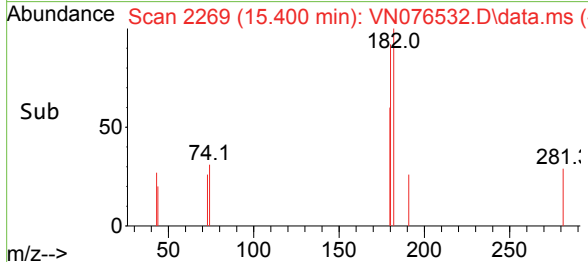
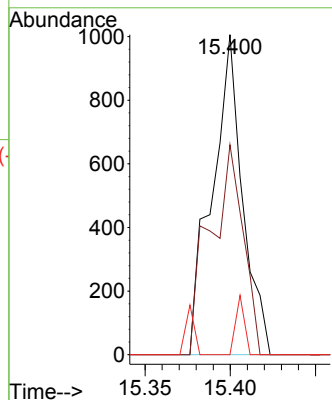
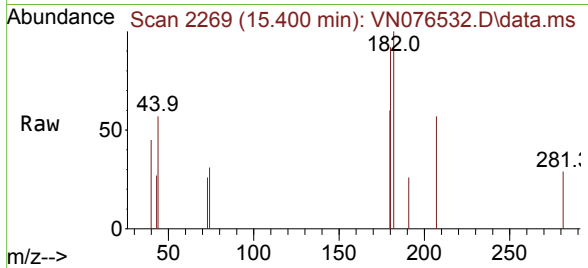
Tgt Ion:180 Resp: 1251

Ion Ratio Lower Upper

180 100

182 71.0 47.0 141.2

145 5.3 15.2 45.5#



#95

Naphthalene

Concen: 2.094 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076532.D

Acq: 03 Feb 2023 14:59

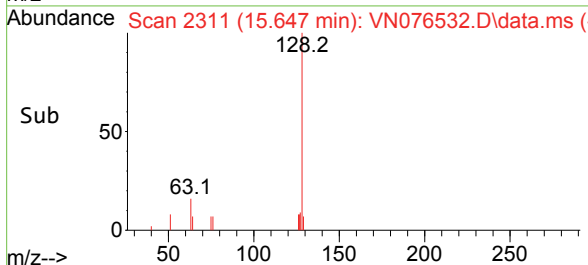
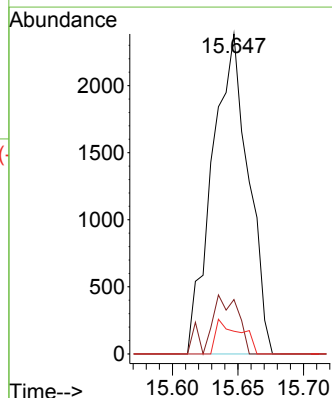
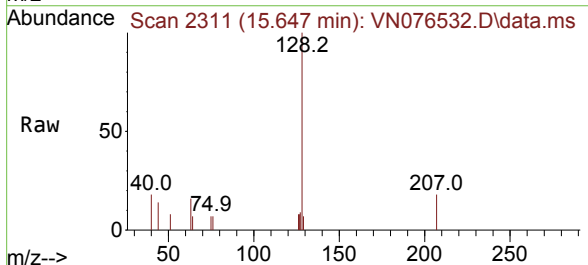
Tgt Ion:128 Resp: 4565

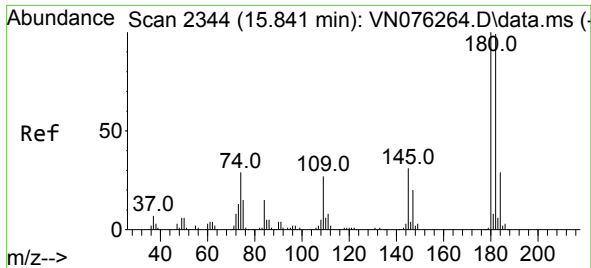
Ion Ratio Lower Upper

128 100

127 14.3 10.3 15.5

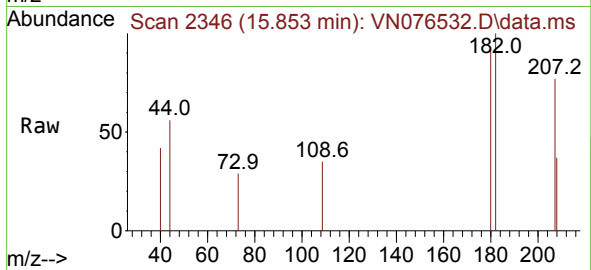
129 7.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.299 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN076532.D
 Acq: 03 Feb 2023 14:59

Instrument :
 MSVOA_N
 ClientSampleId :
 TB



Tgt Ion:180	Resp:	826	
Ion	Ratio	Lower	Upper
180	100		
182	115.5	47.5	142.5
145	16.2	15.9	47.6

