

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010923\
 Data File : VN076147.D
 Acq On : 09 Jan 2023 11:30
 Operator : JC\MD
 Sample : VN0109WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBL01

Quant Time: Jan 10 01:02:36 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)

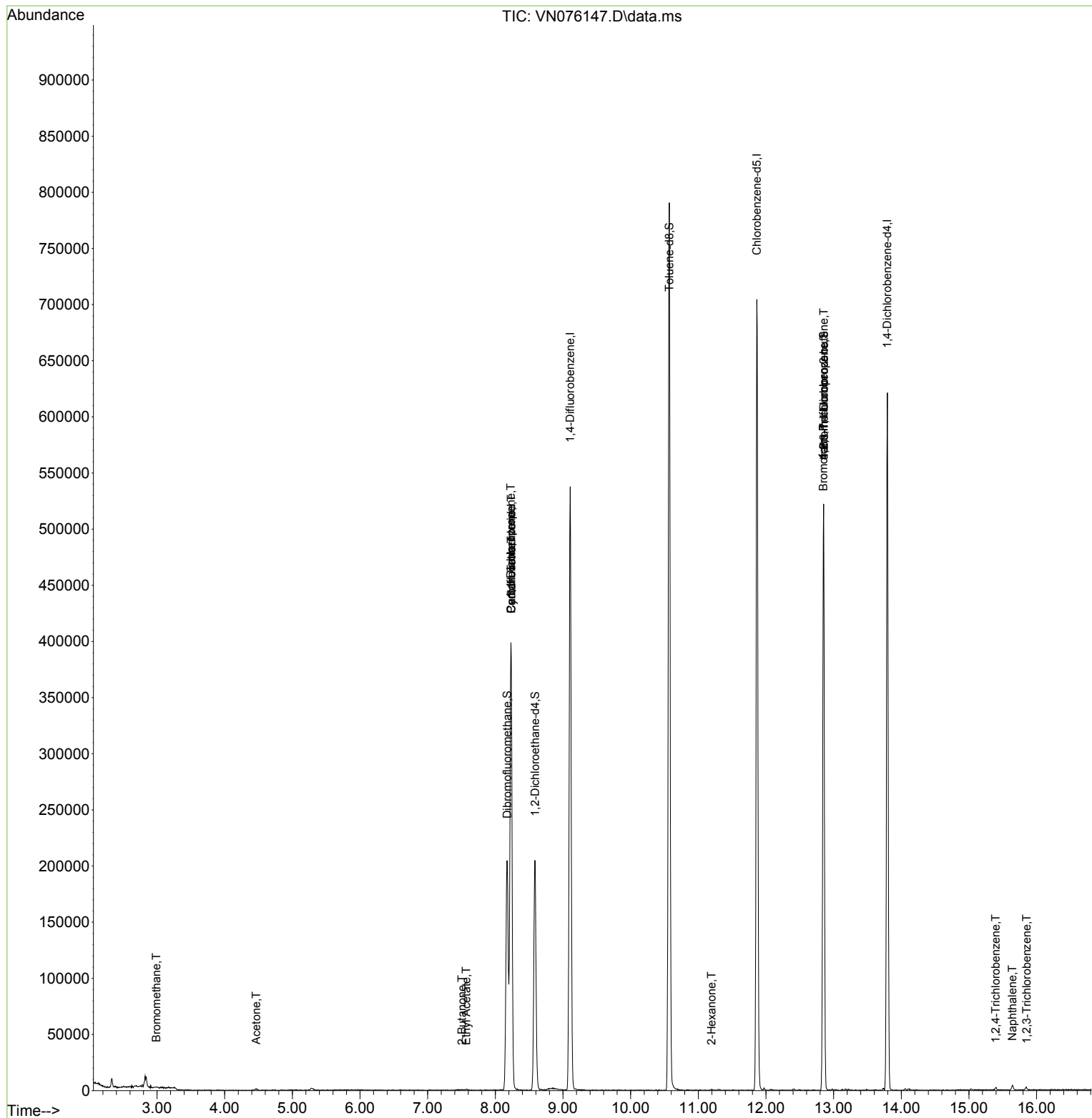
Internal Standards						
1) Pentafluorobenzene	8.236	168	307054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	490836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	428338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	169222	50.658	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.320%	
35) Dibromofluoromethane	8.177	113	149925	49.323	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.640%	
50) Toluene-d8	10.571	98	572033	50.333	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.660%	
62) 4-Bromofluorobenzene	12.853	95	172274	45.766	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.540%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	992	0.361	ug/l #	45
16) Acetone	4.465	43	2108	1.831	ug/l #	77
20) Methylene Chloride	5.283	84	1628	Below Cal	#	77
25) 2-Butanone	7.506	43	1233	0.765	ug/l #	40
31) Cyclohexane	8.236	56	6535	1.366	ug/l #	24
36) 1,1-Dichloropropene	8.230	75	22859	5.661	ug/l #	49
37) Ethyl Acetate	7.571	43	1747	0.539	ug/l #	65
38) Carbon Tetrachloride	8.236	117	30576	6.766	ug/l #	17
59) 2-Hexanone	11.194	43	840	0.356	ug/l	84
71) Bromoform	12.847	173	786	0.332	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	90132	25.881	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	90132	93.158	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.394	180	1299	0.456	ug/l	86
95) Naphthalene	15.641	128	4924	2.678	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.853	180	1368	0.514	ug/l	86

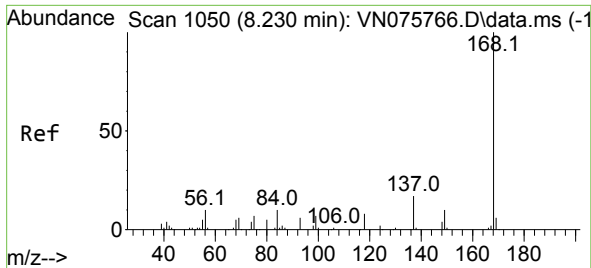
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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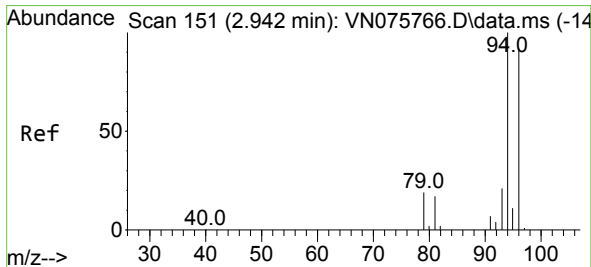
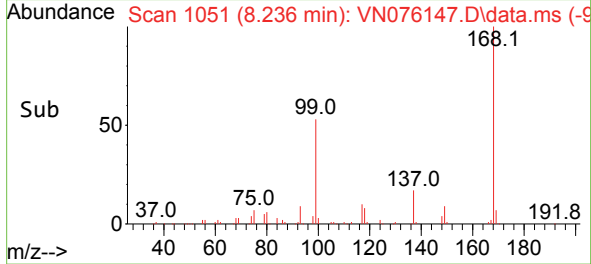
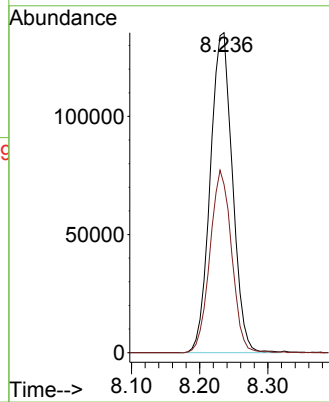
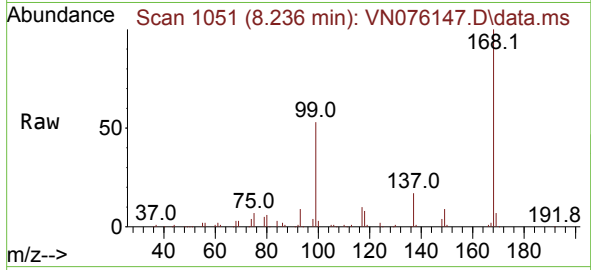




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VN076147.D
Acq: 09 Jan 2023 11:30

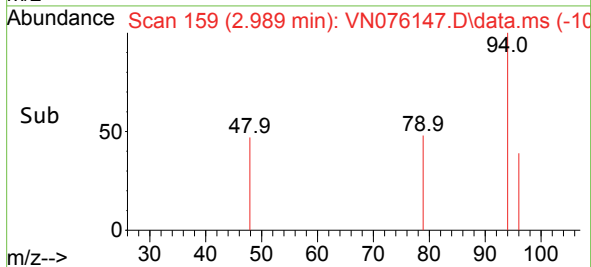
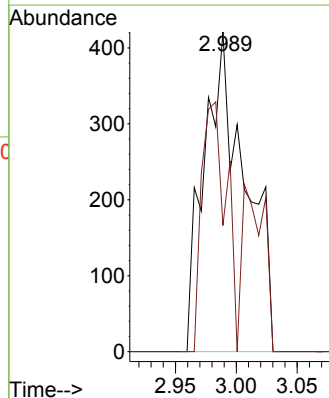
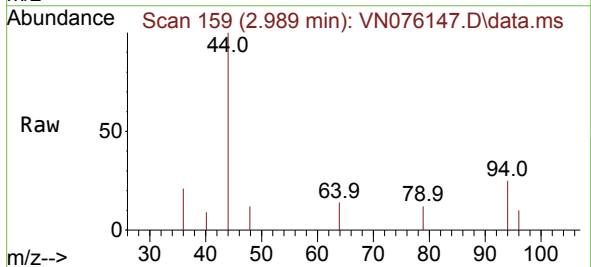
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBL01

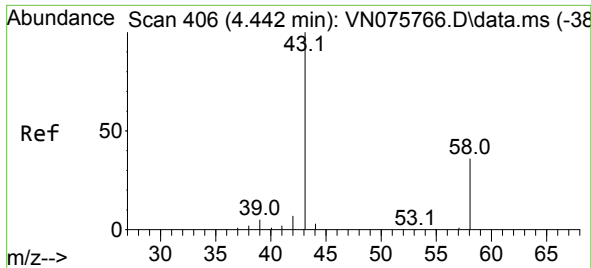
Tgt Ion:168 Resp: 307054
Ion Ratio Lower Upper
168 100
99 52.6 44.2 66.4



#5
Bromomethane
Concen: 0.361 ug/l
RT: 2.989 min Scan# 159
Delta R.T. 0.047 min
Lab File: VN076147.D
Acq: 09 Jan 2023 11:30

Tgt Ion: 94 Resp: 992
Ion Ratio Lower Upper
94 100
96 39.4 73.8 110.6#





#16

Acetone

Concen: 1.831 ug/l

RT: 4.465 min Scan# 410

Delta R.T. 0.024 min

Lab File: VN076147.D

Acq: 09 Jan 2023 11:30

Instrument :

MSVOA_N

ClientSampleId :

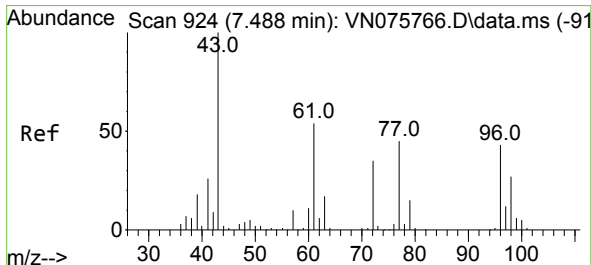
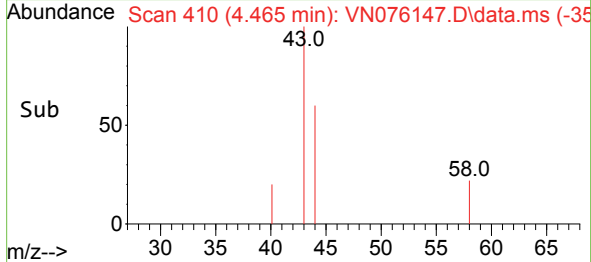
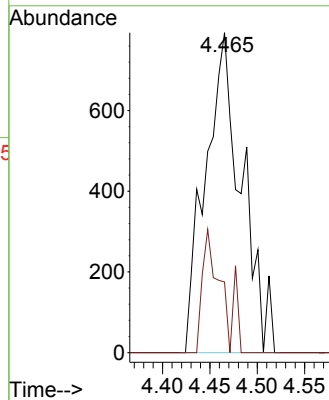
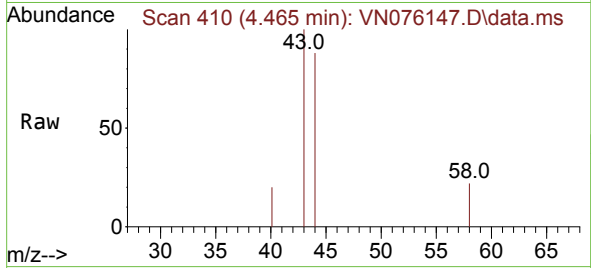
VN0109WBL01

Tgt Ion: 43 Resp: 2108

Ion Ratio Lower Upper

43 100

58 22.1 28.6 43.0#



#25

2-Butanone

Concen: 0.765 ug/l

RT: 7.506 min Scan# 927

Delta R.T. 0.018 min

Lab File: VN076147.D

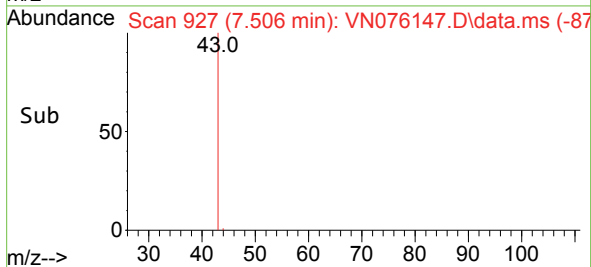
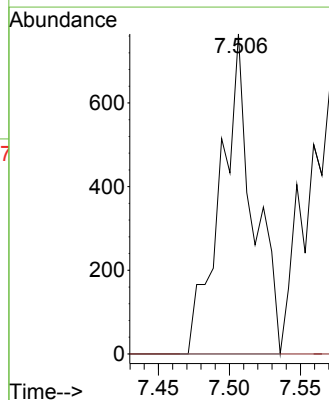
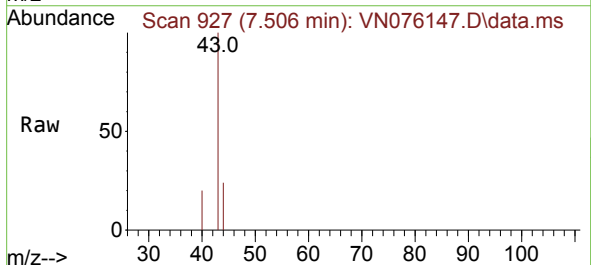
Acq: 09 Jan 2023 11:30

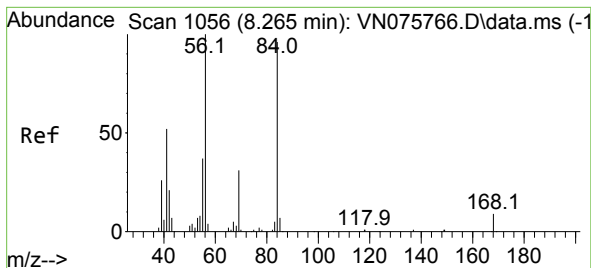
Tgt Ion: 43 Resp: 1233

Ion Ratio Lower Upper

43 100

72 0.0 28.0 42.0#





#31

Cyclohexane

Concen: 1.366 ug/l

RT: 8.236 min Scan# 1

Delta R.T. -0.029 min

Lab File: VN076147.D

Acq: 09 Jan 2023 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBL01

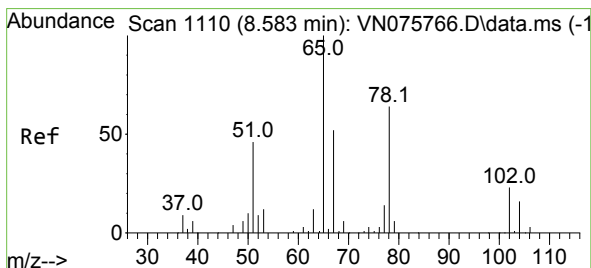
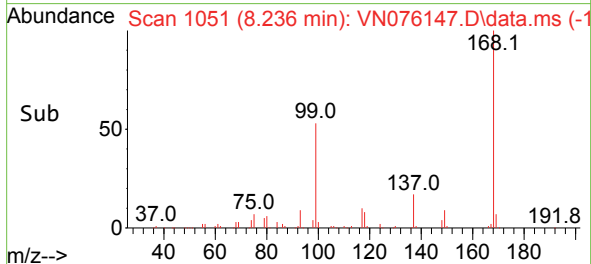
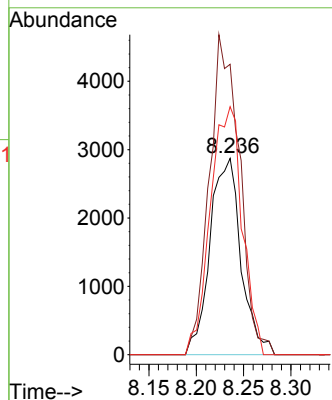
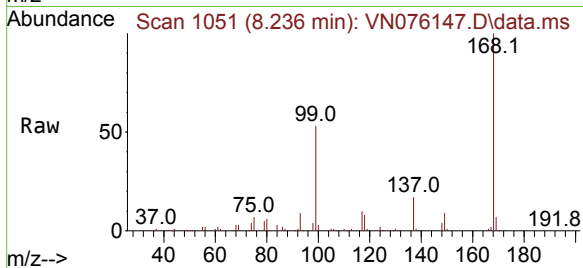
Tgt Ion: 56 Resp: 6535

Ion Ratio Lower Upper

56 100

69 147.9 24.7 37.1#

84 126.3 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 50.658 ug/l

RT: 8.589 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076147.D

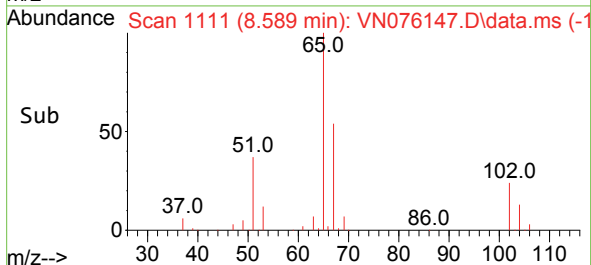
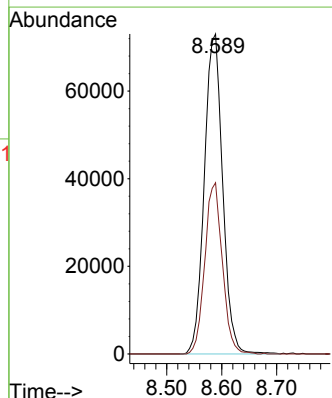
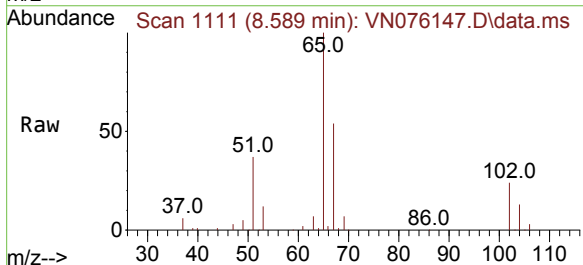
Acq: 09 Jan 2023 11:30

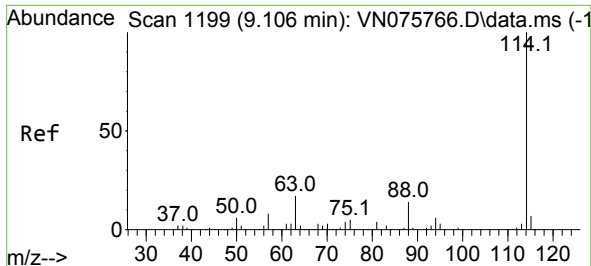
Tgt Ion: 65 Resp: 169222

Ion Ratio Lower Upper

65 100

67 51.2 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: VN076147.D

Acq: 09 Jan 2023 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBL01

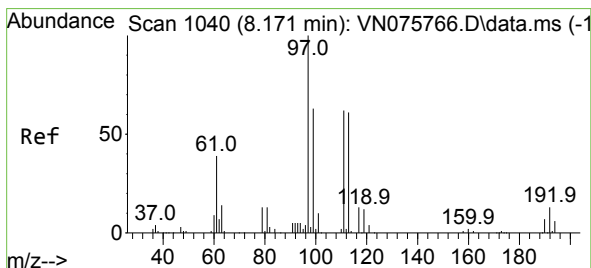
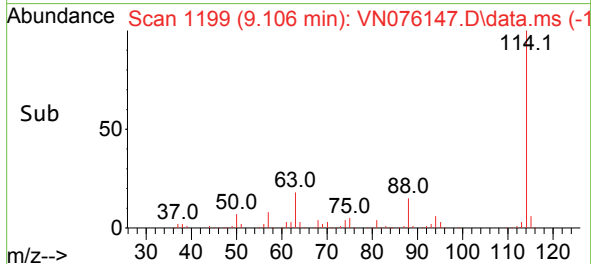
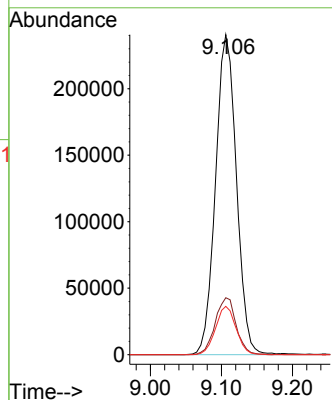
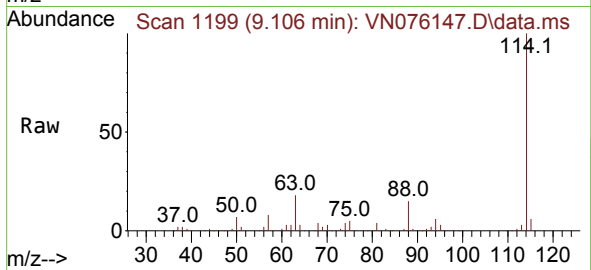
Tgt Ion:114 Resp: 490836

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 15.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 49.323 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076147.D

Acq: 09 Jan 2023 11:30

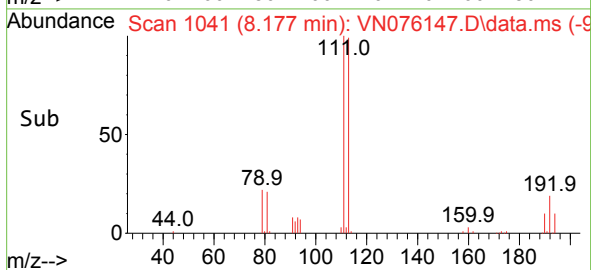
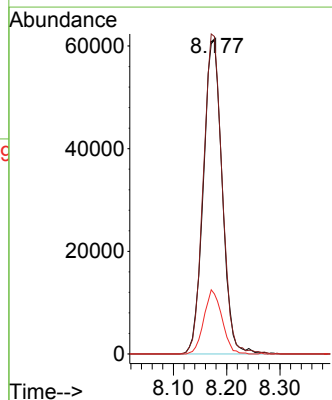
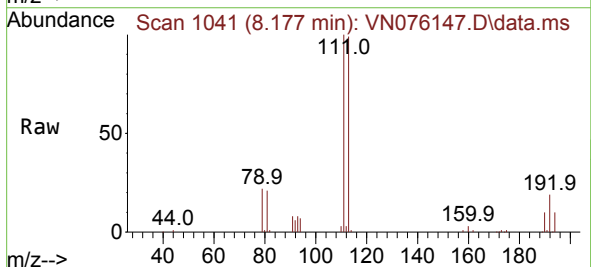
Tgt Ion:113 Resp: 149925

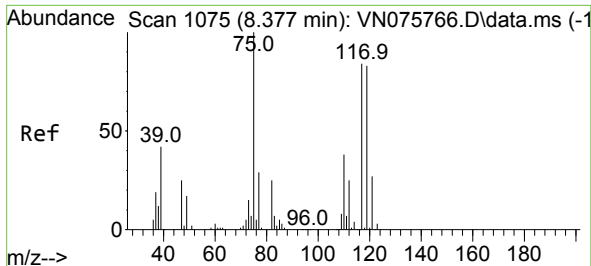
Ion Ratio Lower Upper

113 100

111 101.6 83.4 125.2

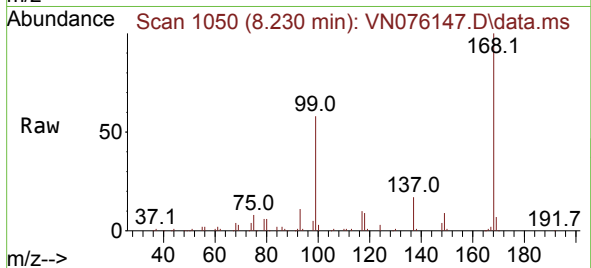
192 19.6 16.1 24.1



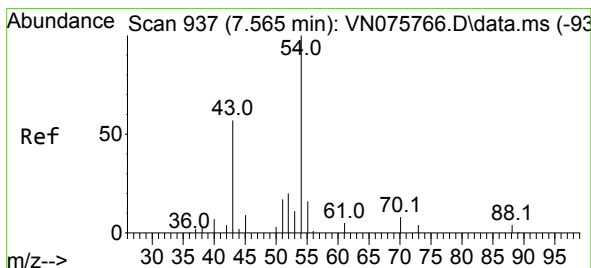
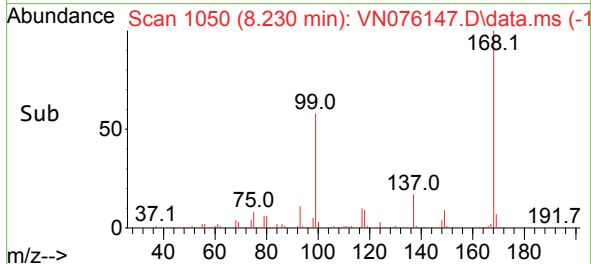
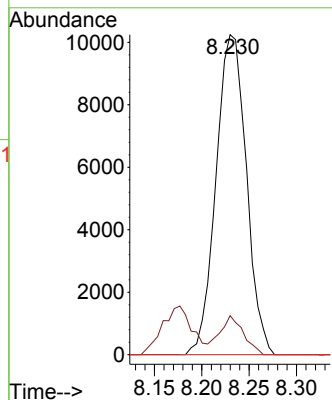


#36
1,1-Dichloropropene
Concen: 5.661 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076147.D
Acq: 09 Jan 2023 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBL01

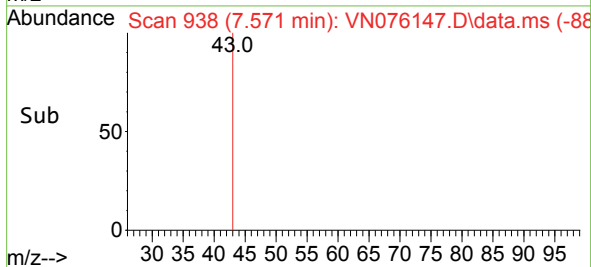
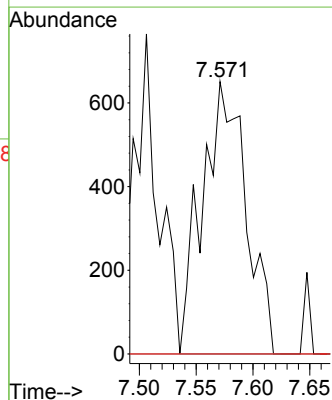
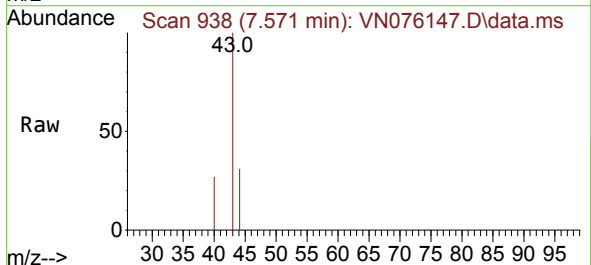


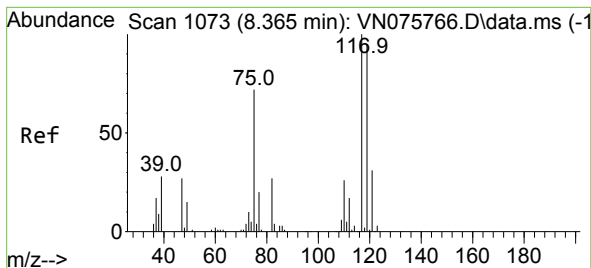
Tgt Ion: 75 Resp: 22859
Ion Ratio Lower Upper
75 100
110 9.5 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 0.539 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN076147.D
Acq: 09 Jan 2023 11:30

Tgt Ion: 43 Resp: 1747
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 9.4 14.0#





#38

Carbon Tetrachloride

Concen: 6.766 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.129 min

Lab File: VN076147.D

Acq: 09 Jan 2023 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBL01

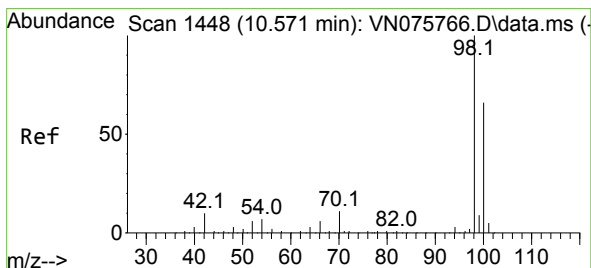
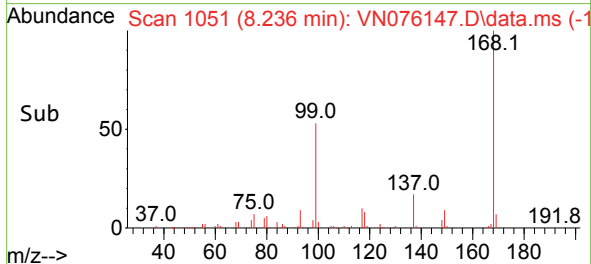
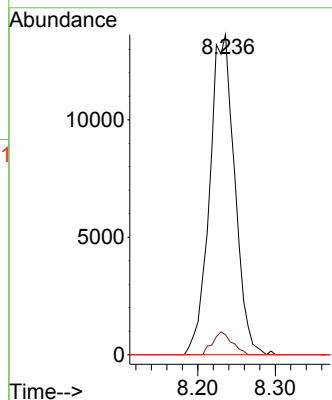
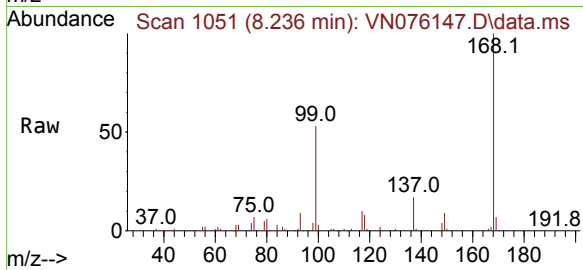
Tgt Ion:117 Resp: 30576

Ion Ratio Lower Upper

117 100

119 6.3 76.1 114.1#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 50.333 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN076147.D

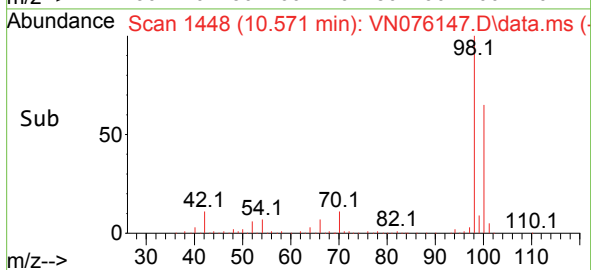
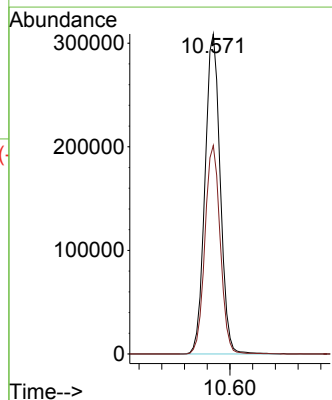
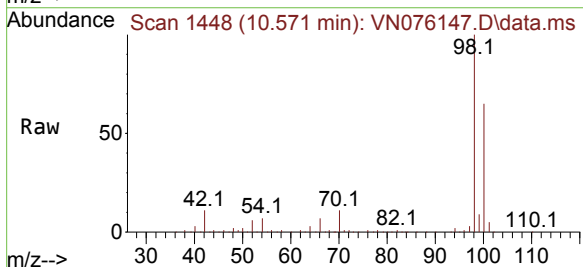
Acq: 09 Jan 2023 11:30

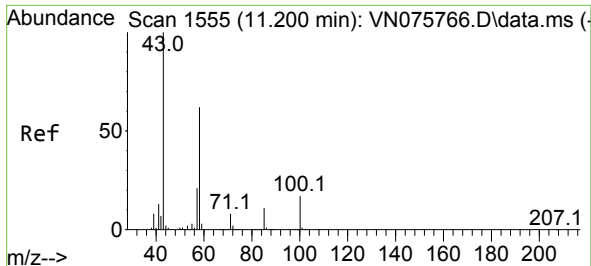
Tgt Ion: 98 Resp: 572033

Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1

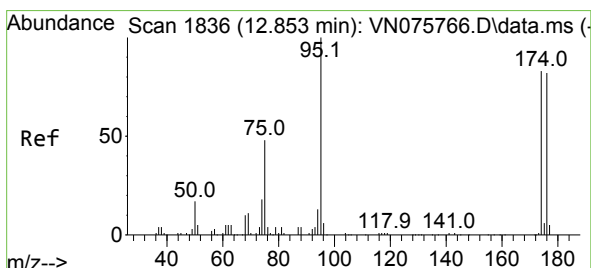
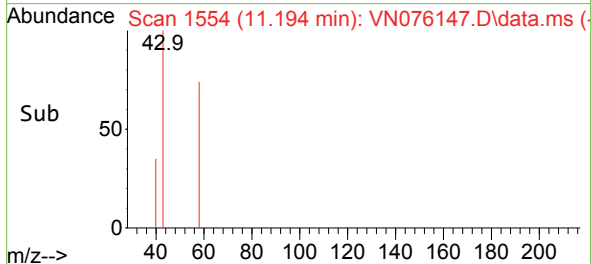
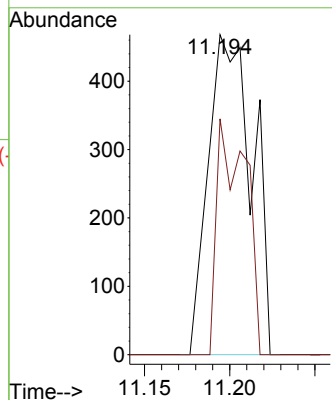
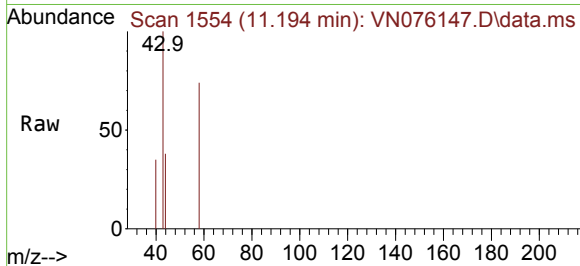




#59
2-Hexanone
Concen: 0.356 ug/l
RT: 11.194 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076147.D
Acq: 09 Jan 2023 11:30

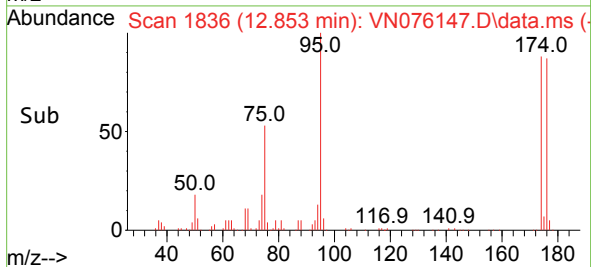
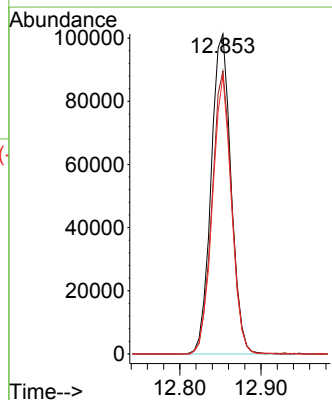
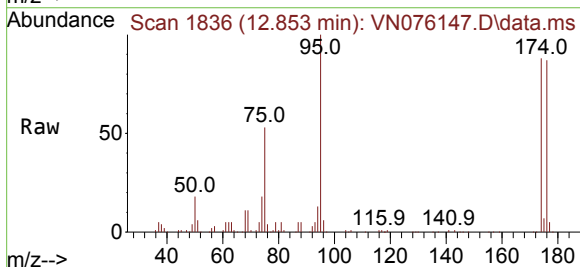
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBL01

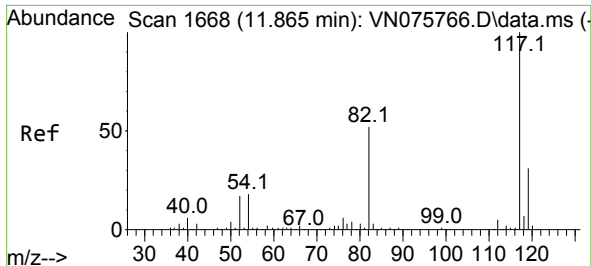
Tgt Ion: 43 Resp: 840
Ion Ratio Lower Upper
43 100
58 48.8 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 45.766 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076147.D
Acq: 09 Jan 2023 11:30

Tgt Ion: 95 Resp: 172274
Ion Ratio Lower Upper
95 100
174 87.4 0.0 171.6
176 83.3 0.0 169.2

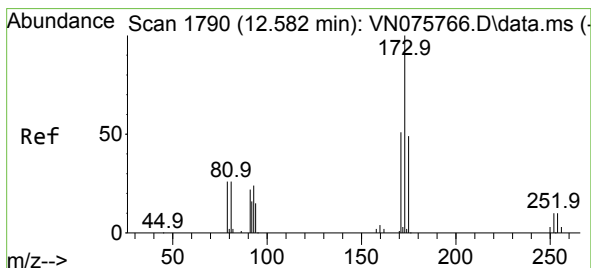
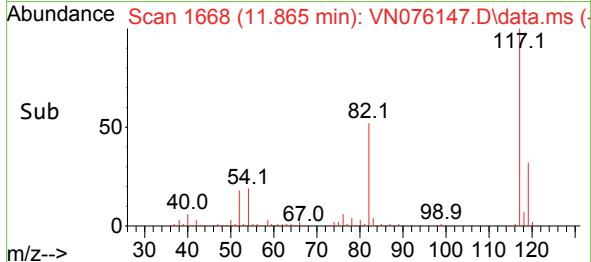
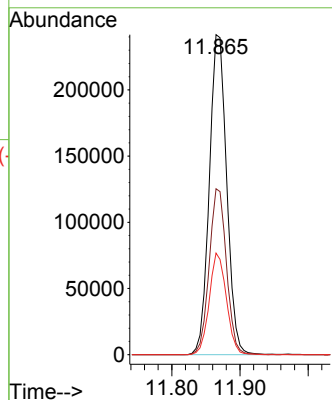
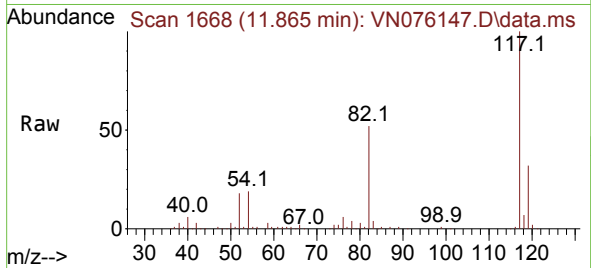




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076147.D
Acq: 09 Jan 2023 11:30

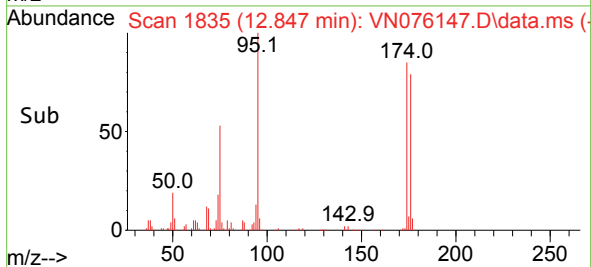
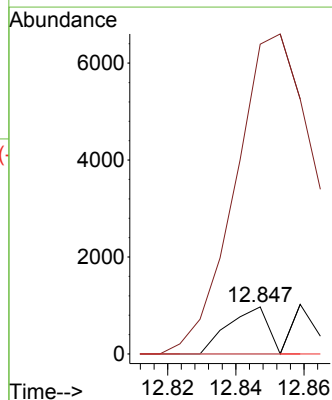
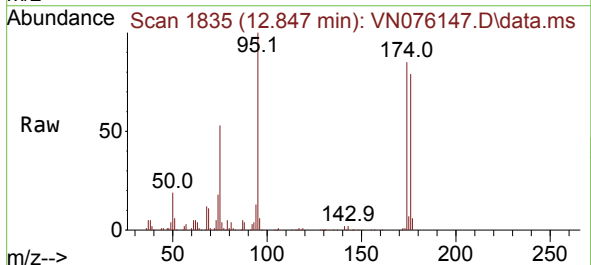
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBL01

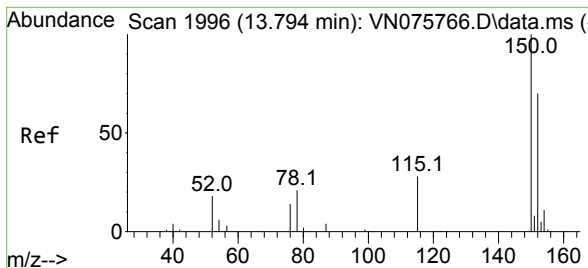
Tgt Ion:117 Resp: 428338
Ion Ratio Lower Upper
117 100
82 51.8 41.3 61.9
119 31.7 24.6 37.0



#71
Bromoform
Concen: 0.332 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076147.D
Acq: 09 Jan 2023 11:30

Tgt Ion:173 Resp: 786
Ion Ratio Lower Upper
173 100
175 1129.4 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: VN076147.D

Acq: 09 Jan 2023 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBL01

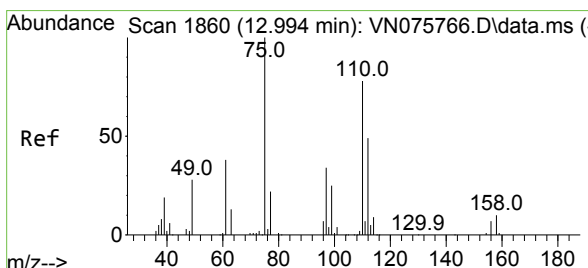
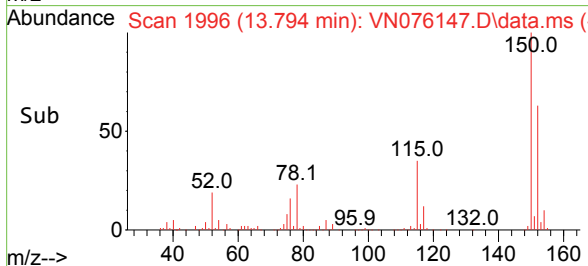
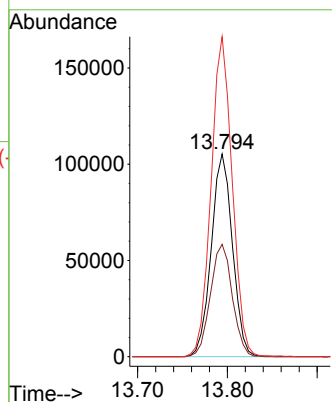
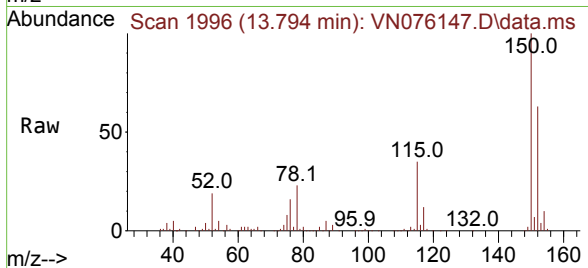
Tgt Ion:152 Resp: 172767

Ion Ratio Lower Upper

152 100

115 57.2 29.1 87.4

150 157.3 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 25.881 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076147.D

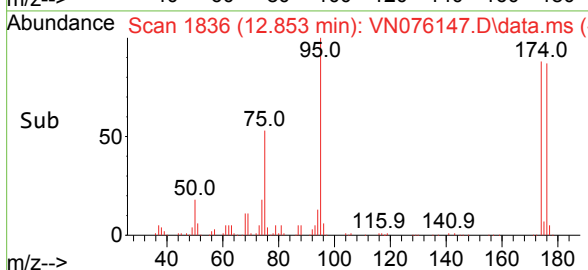
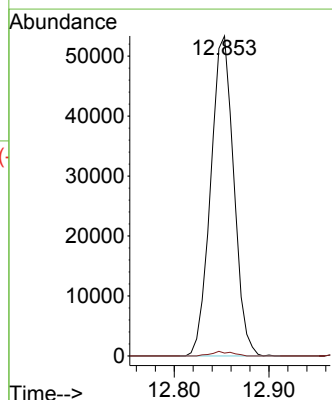
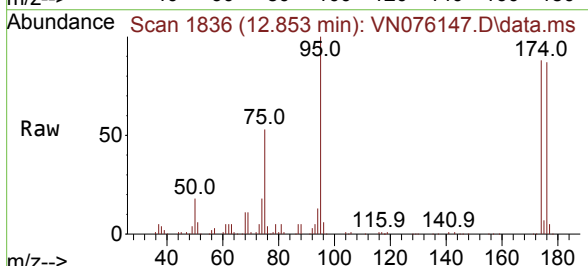
Acq: 09 Jan 2023 11:30

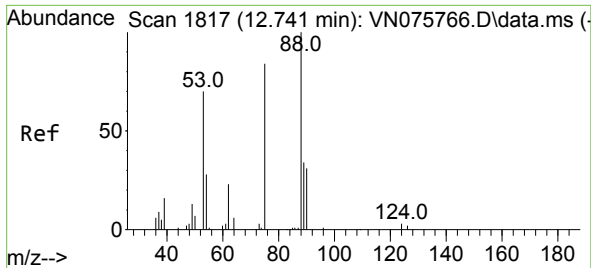
Tgt Ion: 75 Resp: 90132

Ion Ratio Lower Upper

75 100

77 1.3 82.6 247.8#

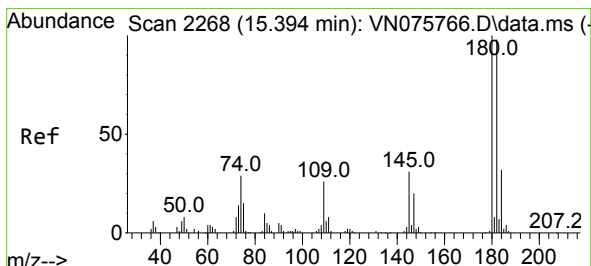
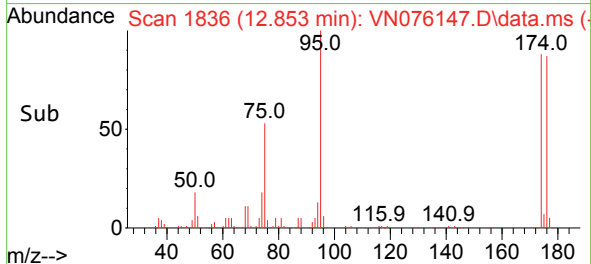
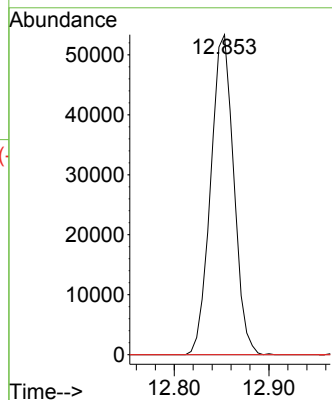
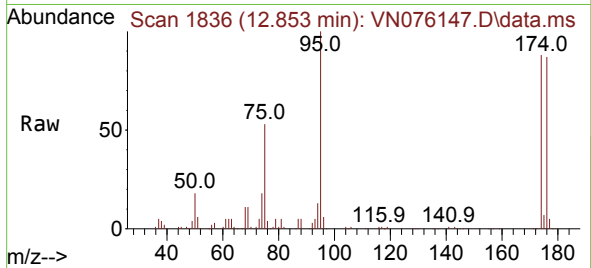




#81
trans-1,4-Dichloro-2-butene
Concen: 93.158 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076147.D
Acq: 09 Jan 2023 11:30

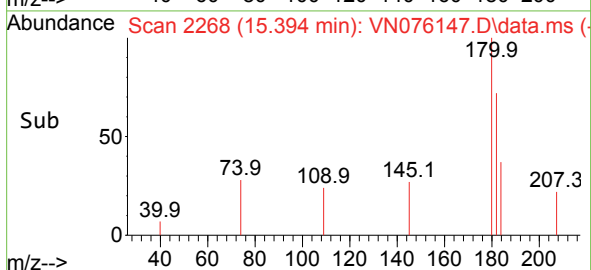
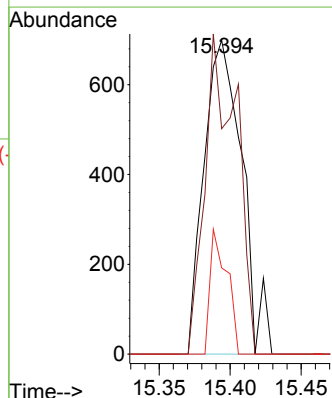
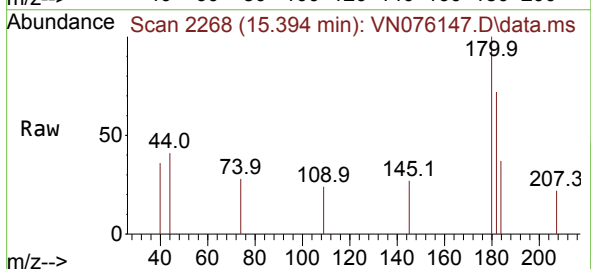
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBL01

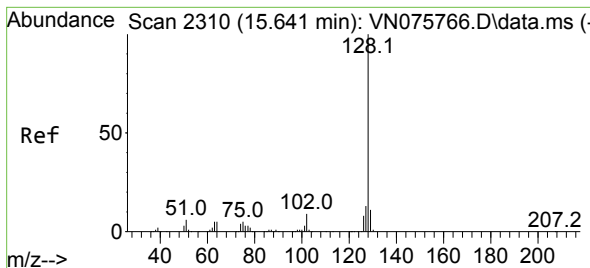
Tgt Ion: 75 Resp: 90132
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.456 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. 0.000 min
Lab File: VN076147.D
Acq: 09 Jan 2023 11:30

Tgt Ion:180 Resp: 1299
Ion Ratio Lower Upper
180 100
182 84.7 47.5 142.5
145 17.6 15.3 45.8





#95

Naphthalene

Concen: 2.678 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. 0.000 min

Lab File: VN076147.D

Acq: 09 Jan 2023 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBL01

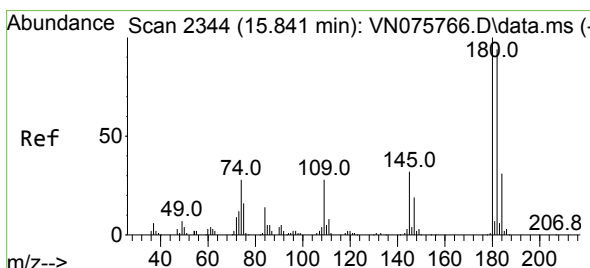
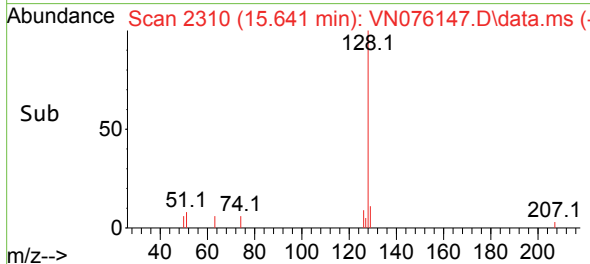
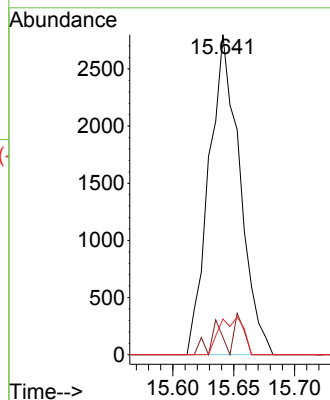
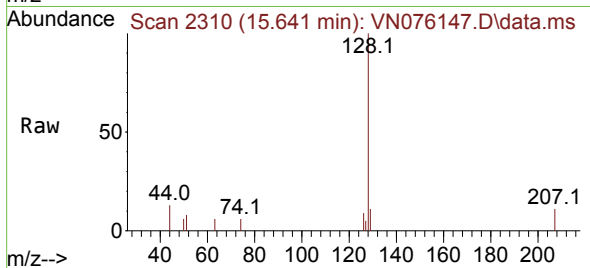
Tgt Ion:128 Resp: 4924

Ion Ratio Lower Upper

128 100

127 4.3 10.4 15.6#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.514 ug/l

RT: 15.853 min Scan# 2346

Delta R.T. 0.012 min

Lab File: VN076147.D

Acq: 09 Jan 2023 11:30

Tgt Ion:180 Resp: 1368

Ion Ratio Lower Upper

180 100

182 85.7 47.0 141.0

145 16.0 16.0 47.9

