

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060923\
 Data File : VN078153.D
 Acq On : 09 Jun 2023 18:10
 Operator : JC\MD
 Sample : 03119-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 09 23:13:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	422209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	773602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	667068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	197276	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	300429	53.368	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.740%
35) Dibromofluoromethane	8.177	113	261485	53.458	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.920%
50) Toluene-d8	10.571	98	942980	50.007	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.020%
62) 4-Bromofluorobenzene	12.853	95	270866	46.206	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.420%

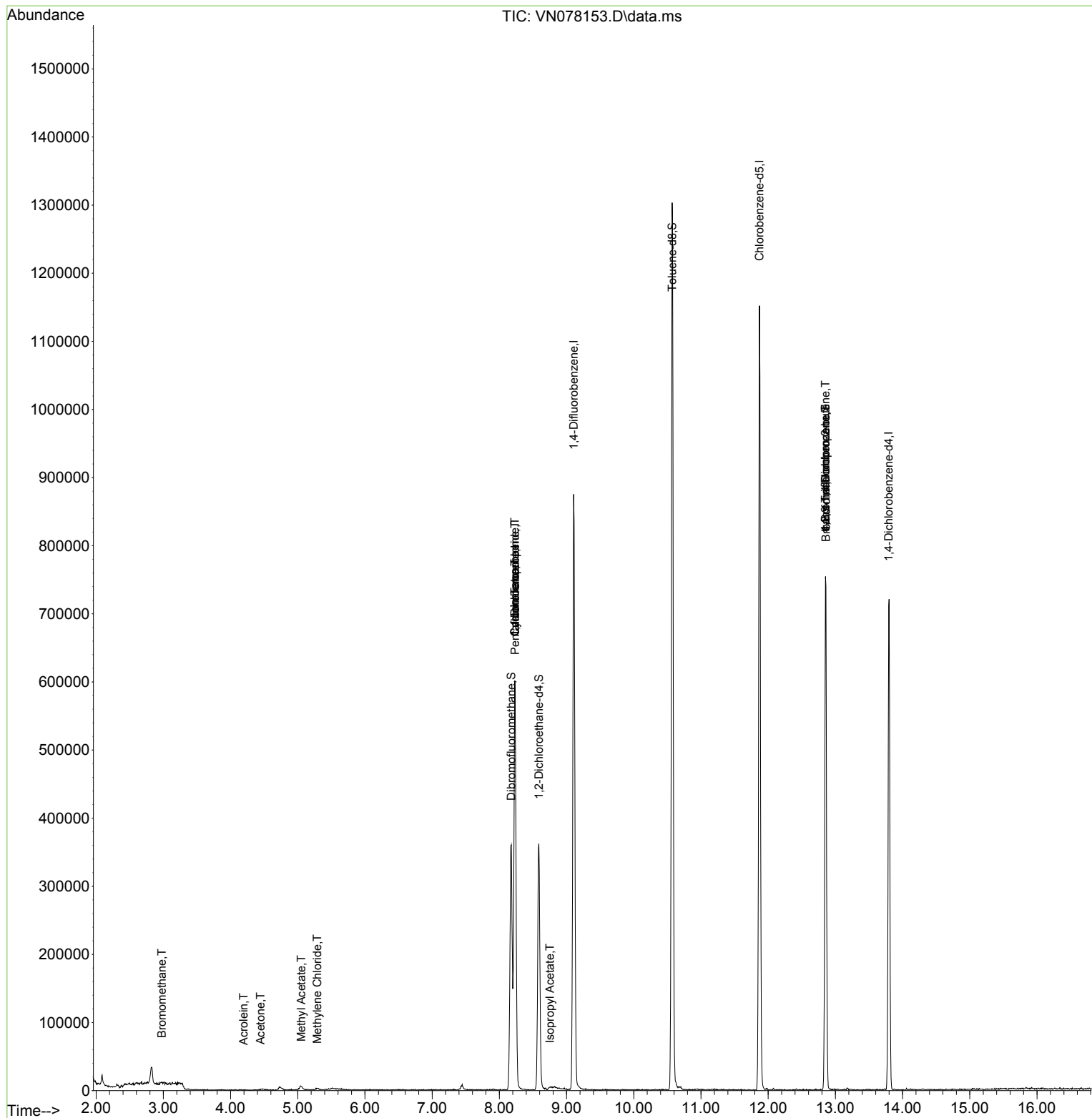
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.371	50	1404	Below Cal	#	54
5) Bromomethane	2.977	94	1605	0.340	ug/l #	62
13) Acrolein	4.195	56	227	0.265	ug/l #	67
16) Acetone	4.447	43	951	0.587	ug/l	91
18) Methyl Acetate	5.053	43	10794	1.447	ug/l #	71
20) Methylene Chloride	5.289	84	1591	0.297	ug/l #	82
31) Cyclohexane	8.230	56	11232	1.555	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	37599	5.359	ug/l #	47
38) Carbon Tetrachloride	8.230	117	47848	6.459	ug/l #	15
43) Isopropyl Acetate	8.753	43	2748	0.262	ug/l #	49
71) Bromoform	12.859	173	2190	0.646	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	67	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	142213	30.494	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	142213	93.686	ug/l #	15
94) Hexachlorobutadiene	15.517	225	122	Below Cal	#	19

(#) = 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# 1

Delta R.T. 0.000 min

Lab File: VN078153.D

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Instrument :

MSVOA_N

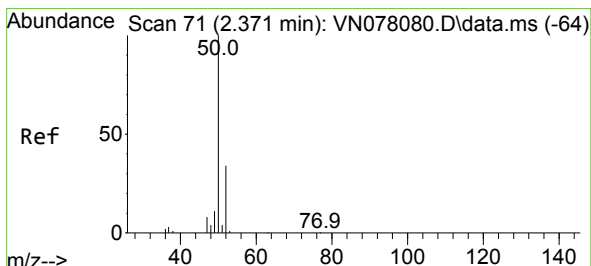
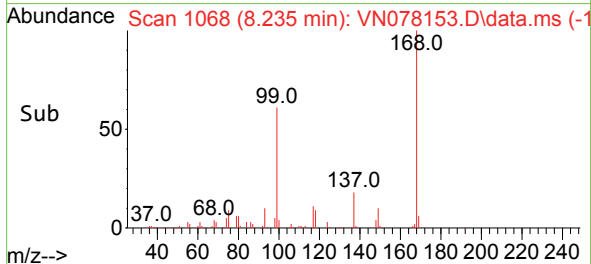
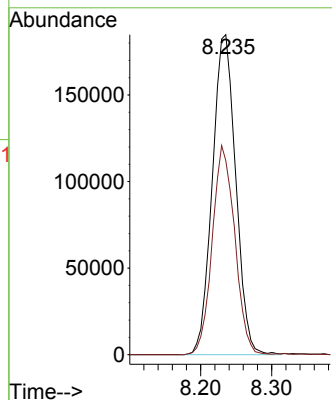
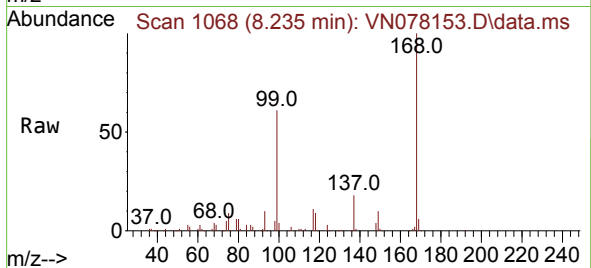
ClientSampleId :

Tgt Ion:168 Resp: 422209

Ion Ratio Lower Upper

168 100

99 60.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078153.D

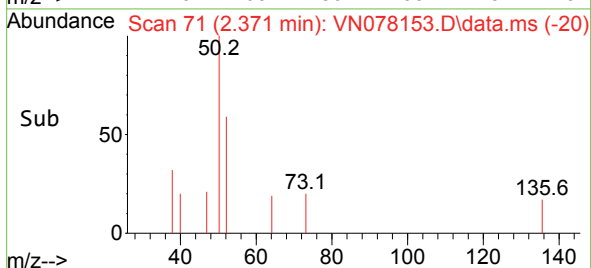
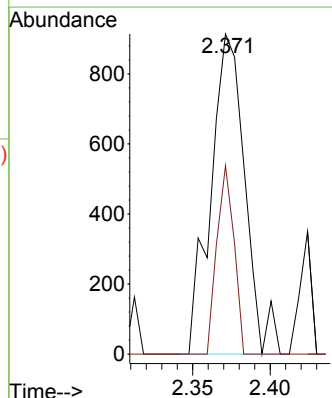
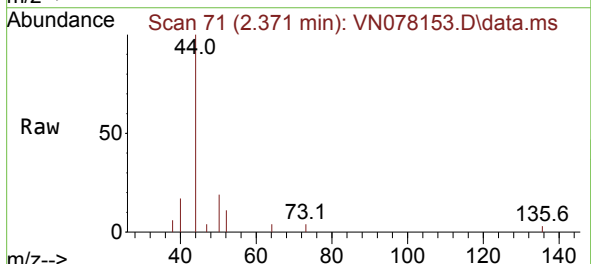
Acq: 09 Jun 2023 18:10

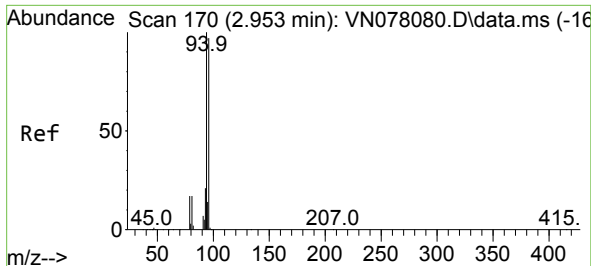
Tgt Ion: 50 Resp: 1404

Ion Ratio Lower Upper

50 100

52 58.9 26.5 39.7#

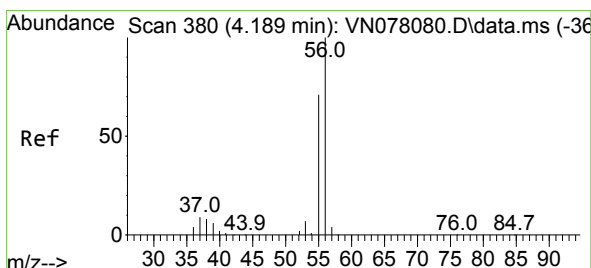
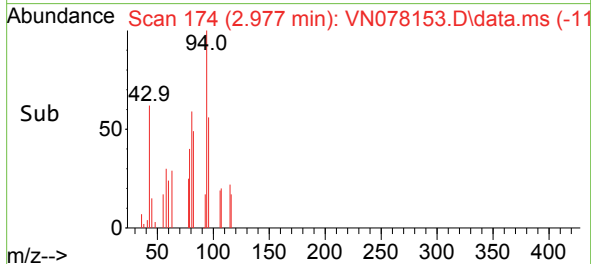
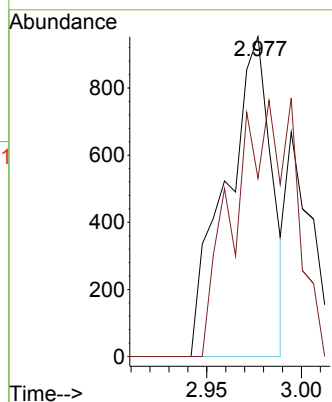
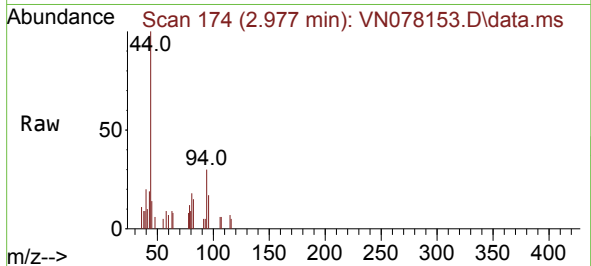




#5
Bromomethane
Concen: 0.340 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

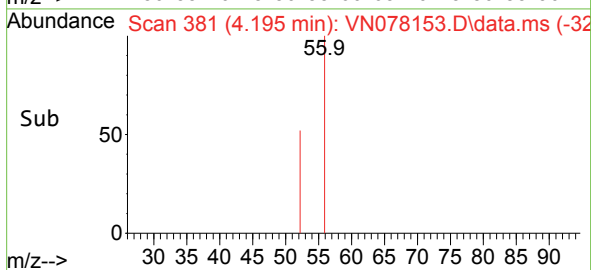
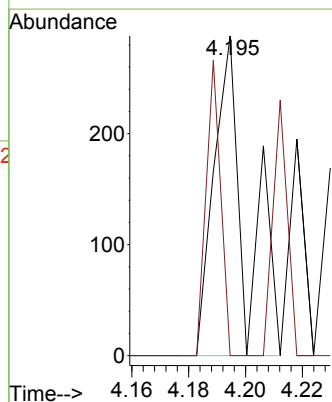
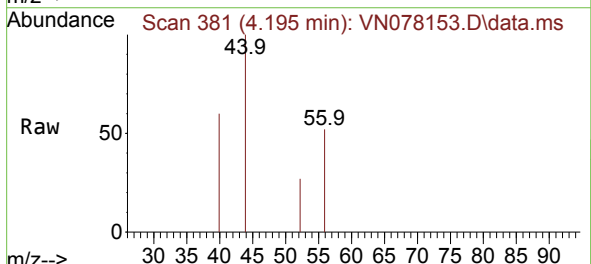
Instrument :
MSVOA_N
ClientSampleId :

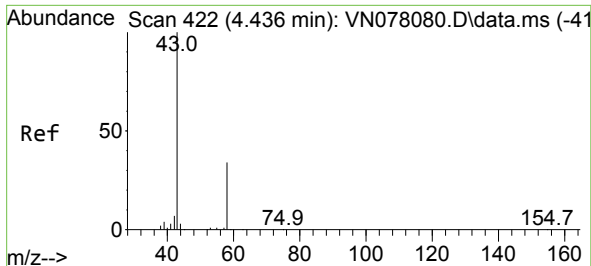
Tgt Ion: 94 Resp: 1605
Ion Ratio Lower Upper
94 100
96 55.7 73.1 109.7#



#13
Acrolein
Concen: 0.265 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 41.4 54.5 81.7#

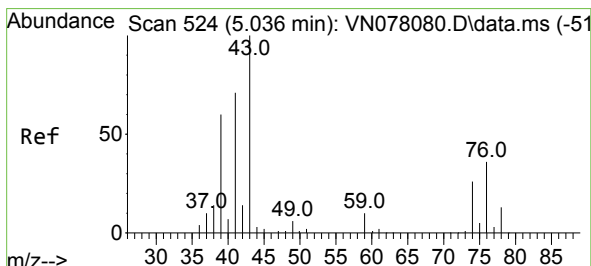
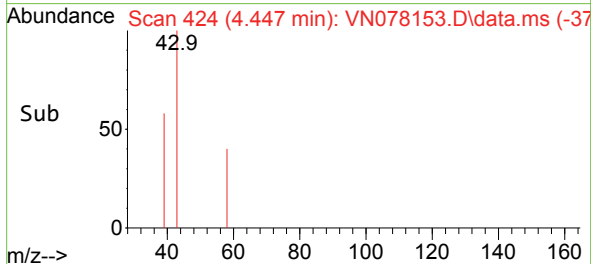
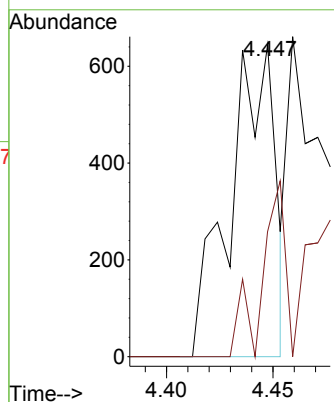
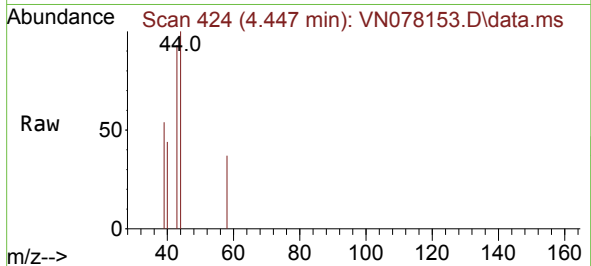




#16
Acetone
Concen: 0.587 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

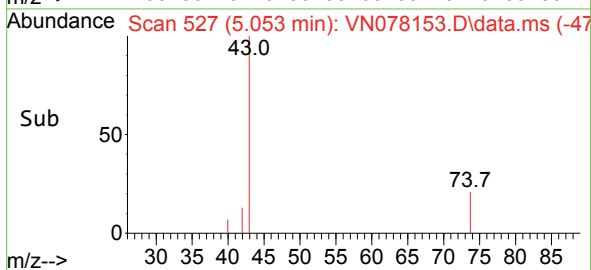
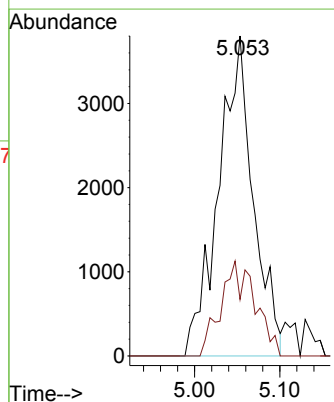
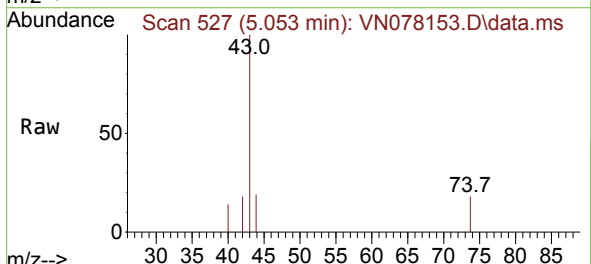
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
58 40.1 28.0 42.0



#18
Methyl Acetate
Concen: 1.447 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.018 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

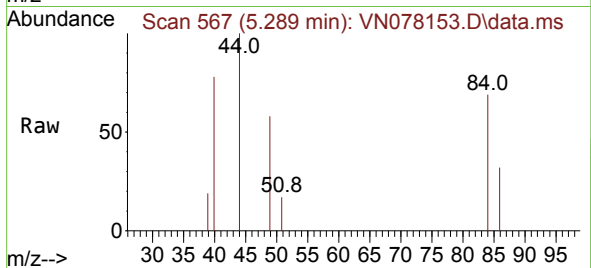
Tgt Ion: 43 Resp: 10794
Ion Ratio Lower Upper
43 100
74 16.5 26.2 39.4#



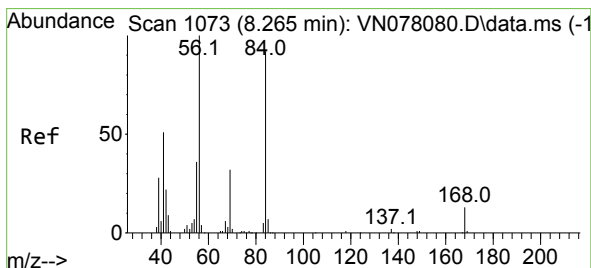
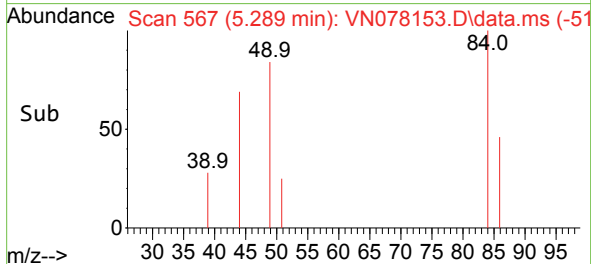
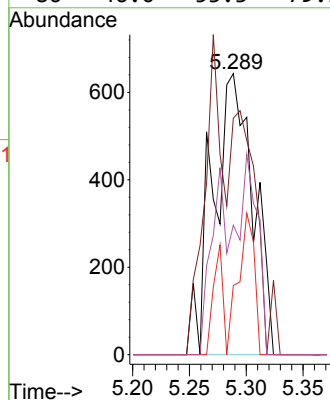


#20
Methylene Chloride
Concen: 0.297 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

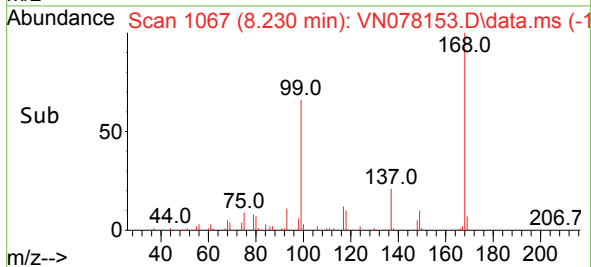
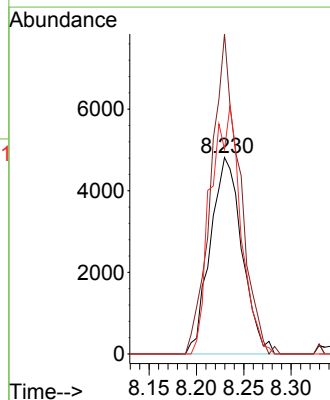
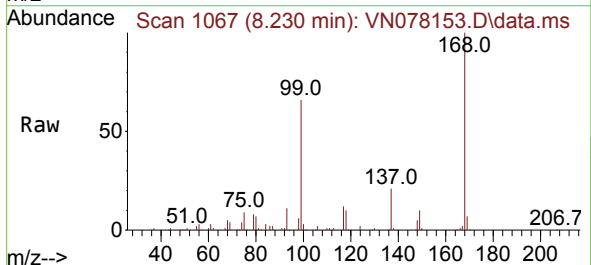


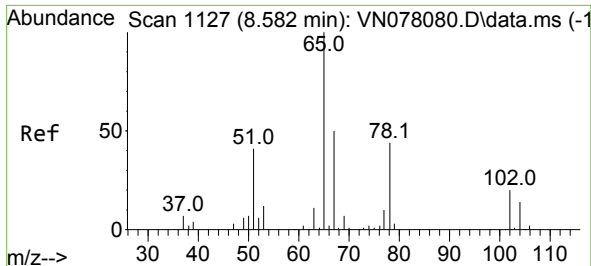
Tgt Ion:	84	Resp:	1591
Ion	Ratio	Lower	Upper
84	100		
49	84.1	79.7	119.5
51	24.6	25.2	37.8#
86	46.0	53.3	79.9#



#31
Cyclohexane
Concen: 1.555 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

Tgt Ion:	56	Resp:	11232
Ion	Ratio	Lower	Upper
56	100		
69	162.9	26.8	40.2#
84	104.1	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 53.368 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078153.D

Acq: 09 Jun 2023 18:10

Instrument :

MSVOA_N

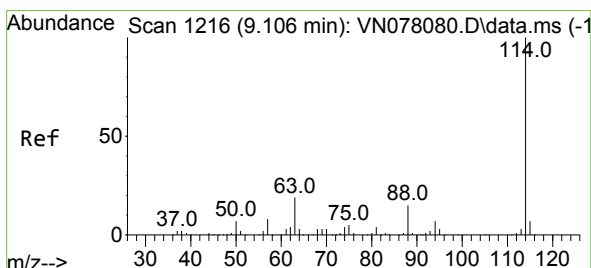
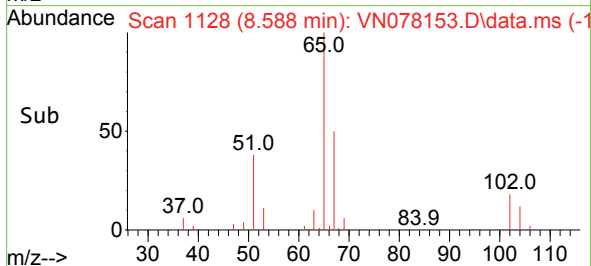
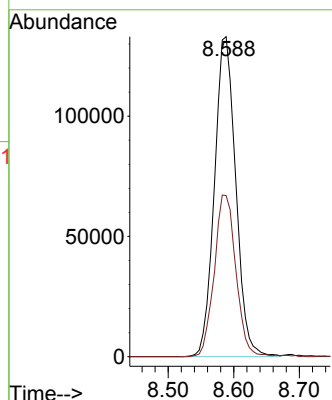
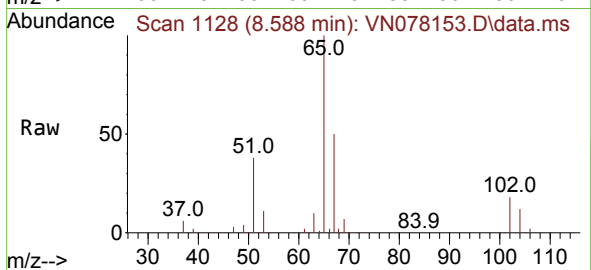
ClientSampleId :

Tgt Ion: 65 Resp: 300429

Ion Ratio Lower Upper

65 100

67 51.1 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: VN078153.D

Acq: 09 Jun 2023 18:10

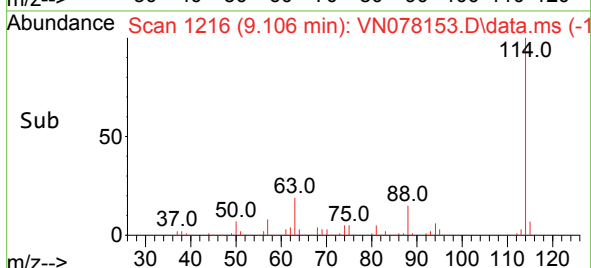
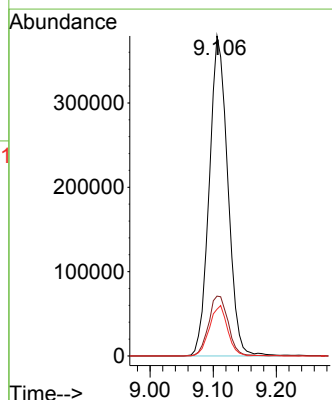
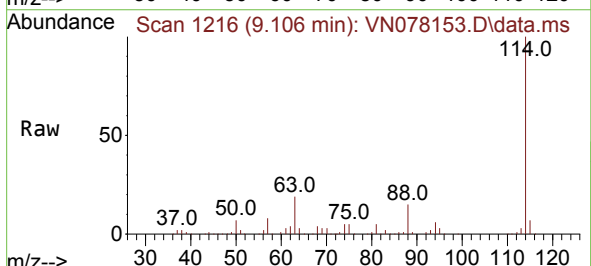
Tgt Ion: 114 Resp: 773602

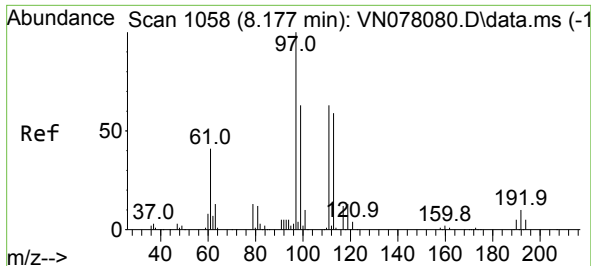
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.4

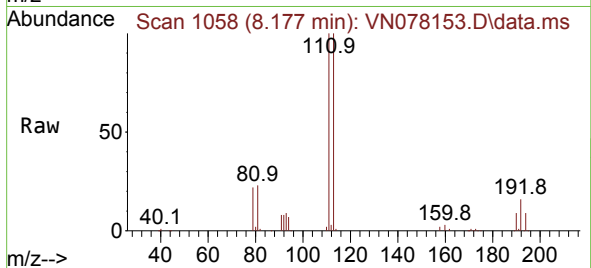
88 14.6 0.0 30.6



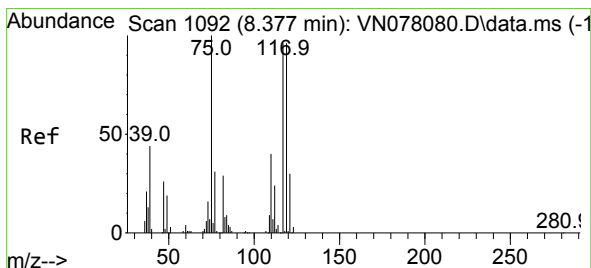
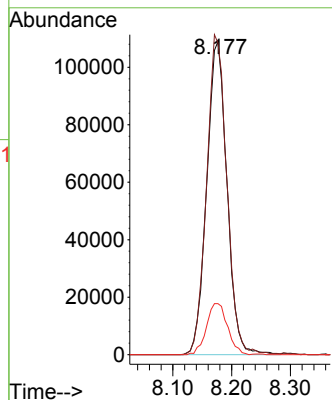
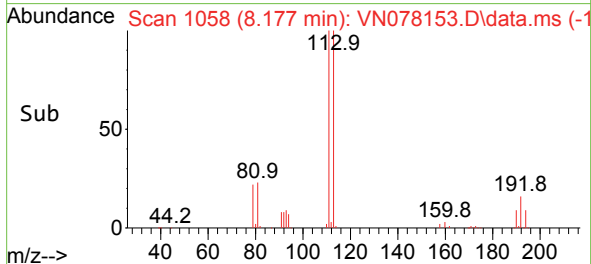


#35
Dibromofluoromethane
Concen: 53.458 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

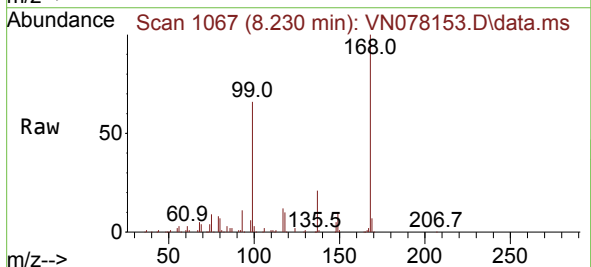
Instrument :
MSVOA_N
ClientSampleId :



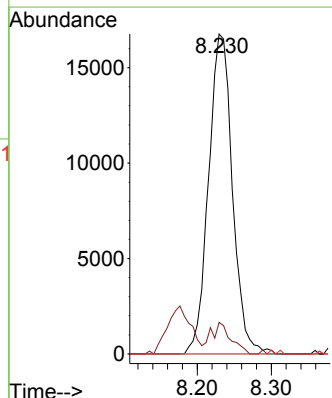
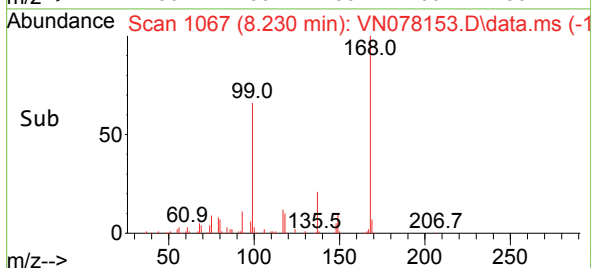
Tgt Ion:113 Resp: 261485
Ion Ratio Lower Upper
113 100
111 101.9 82.6 123.8
192 17.0 12.7 19.1

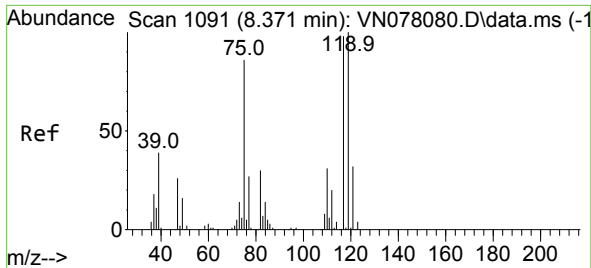


#36
1,1-Dichloropropene
Concen: 5.359 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10



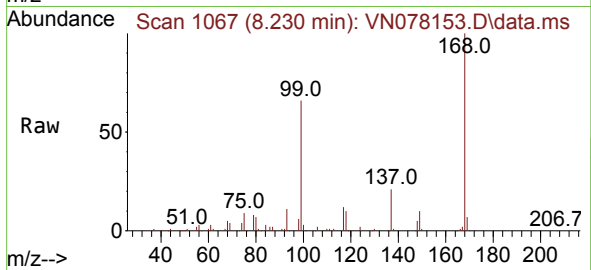
Tgt Ion: 75 Resp: 37599
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.0 25.0 37.4#



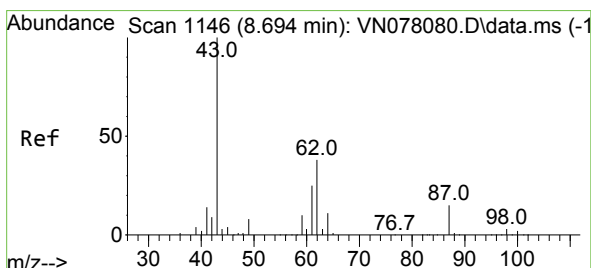
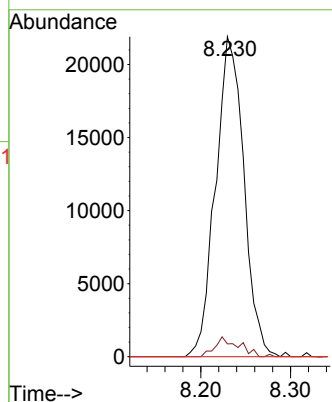
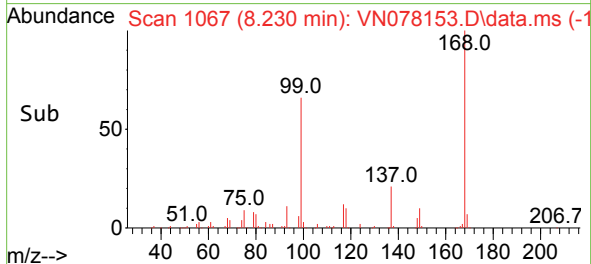


#38
Carbon Tetrachloride
Concen: 6.459 ug/l
RT: 8.230 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

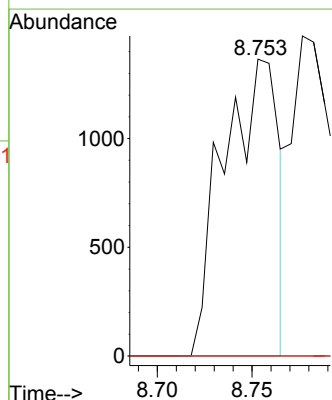
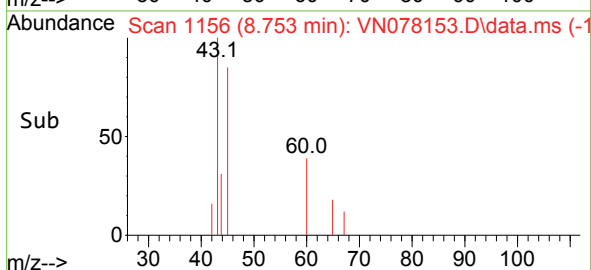
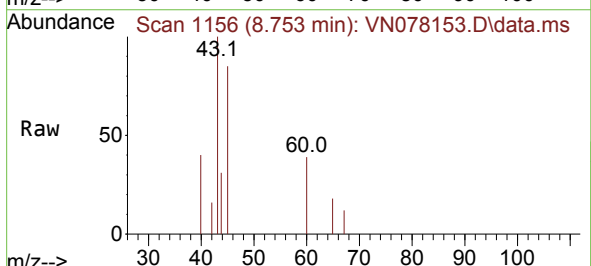


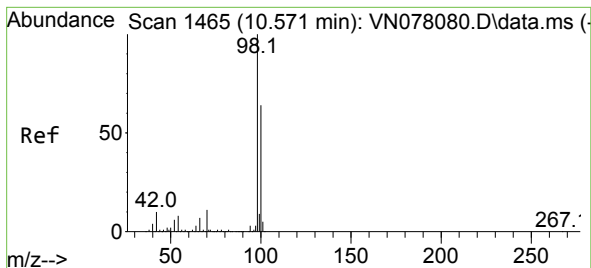
Tgt Ion:117 Resp: 47848
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.262 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.059 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

Tgt Ion: 43 Resp: 2748
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#





#50

Toluene-d8

Concen: 50.007 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078153.D

Acq: 09 Jun 2023 18:10

Instrument :

MSVOA_N

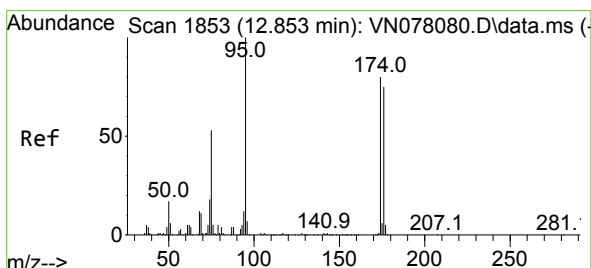
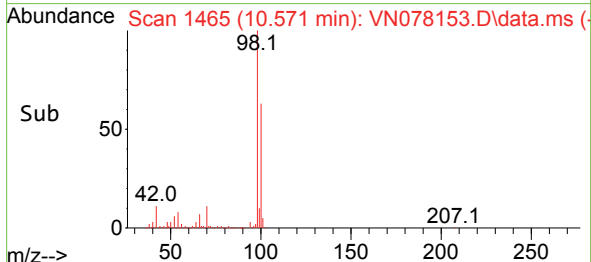
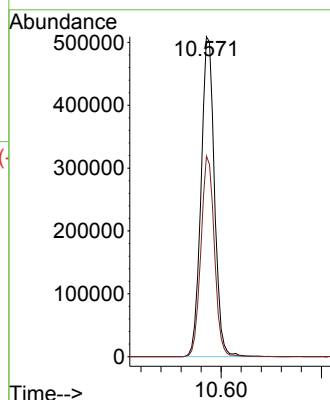
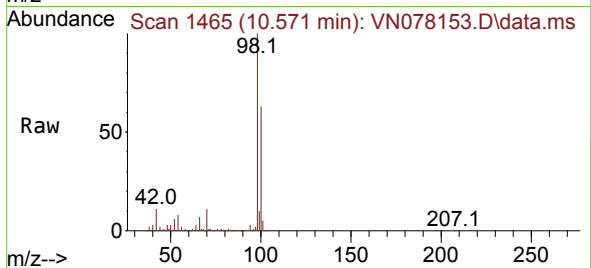
ClientSampleId :

Tgt Ion: 98 Resp: 942980

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 46.206 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN078153.D

Acq: 09 Jun 2023 18:10

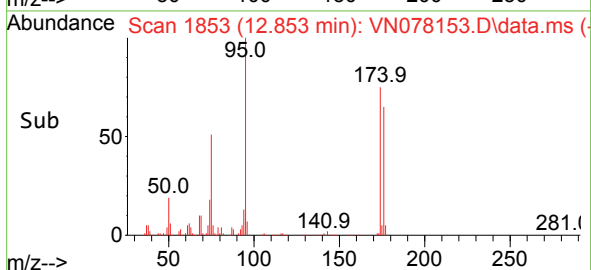
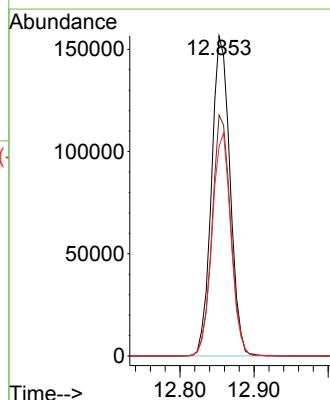
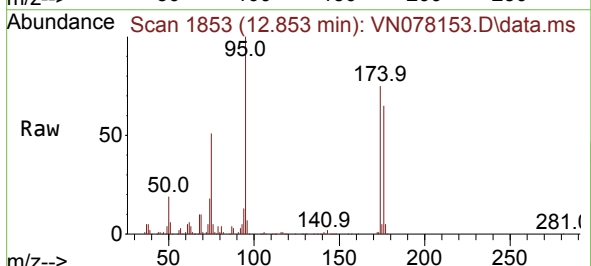
Tgt Ion: 95 Resp: 270866

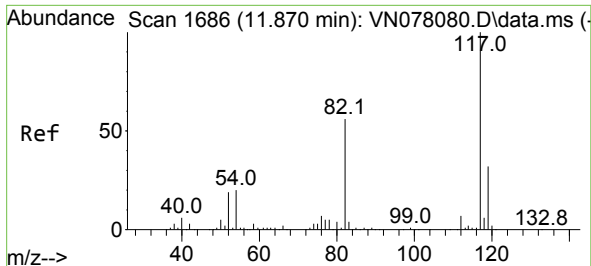
Ion Ratio Lower Upper

95 100

174 75.7 0.0 143.8

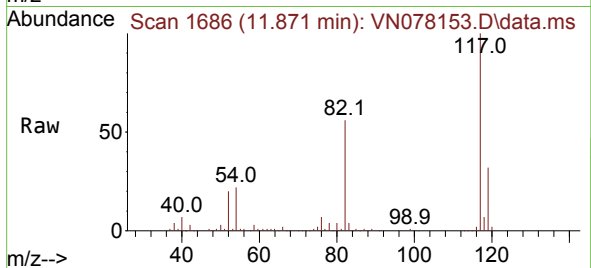
176 70.9 0.0 135.8



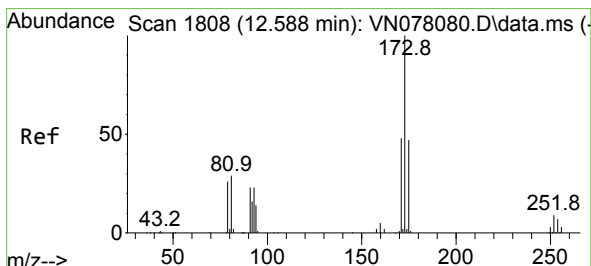
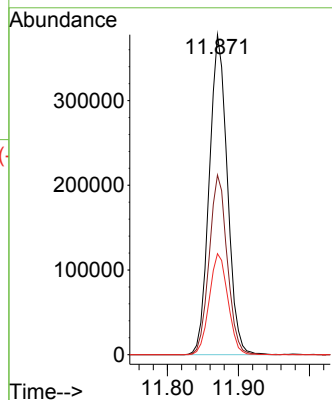
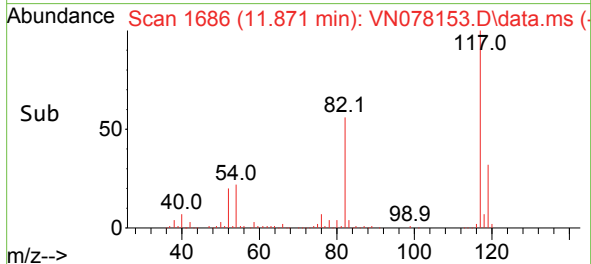


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

Instrument :
MSVOA_N
ClientSampleId :

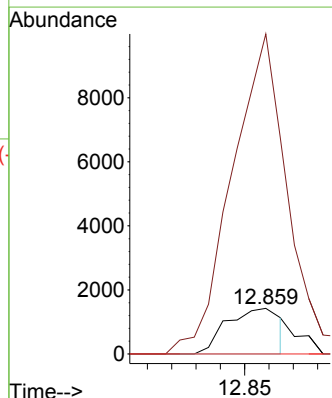
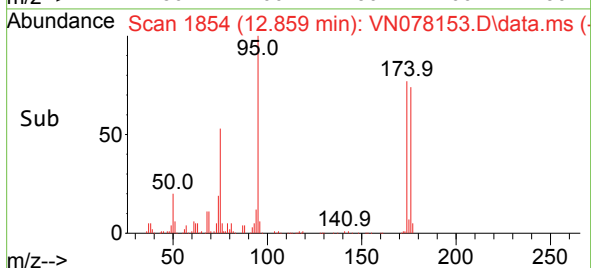
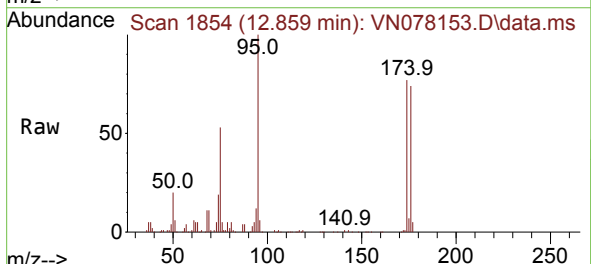


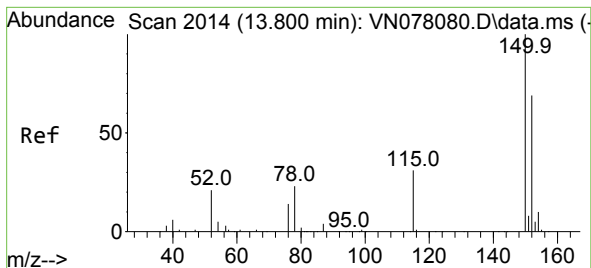
Tgt Ion:117 Resp: 667068
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 31.6 25.6 38.4



#71
Bromoform
Concen: 0.646 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.271 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

Tgt Ion:173 Resp: 2190
Ion Ratio Lower Upper
173 100
175 618.0 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN078153.D

Acq: 09 Jun 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :

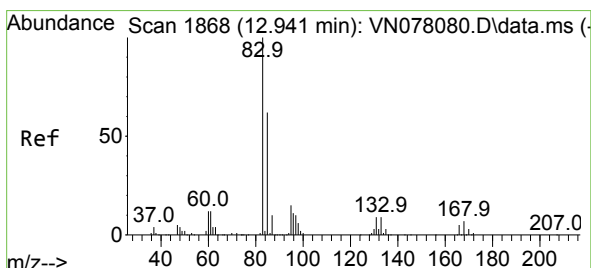
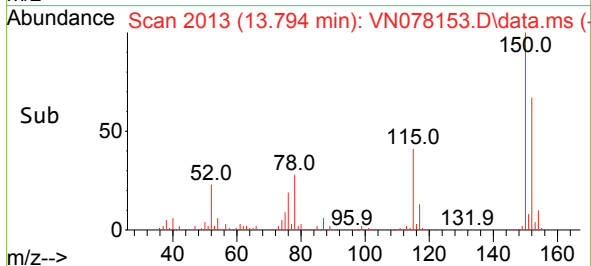
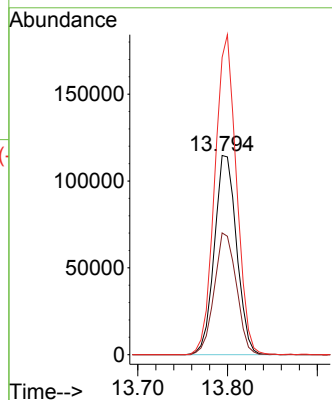
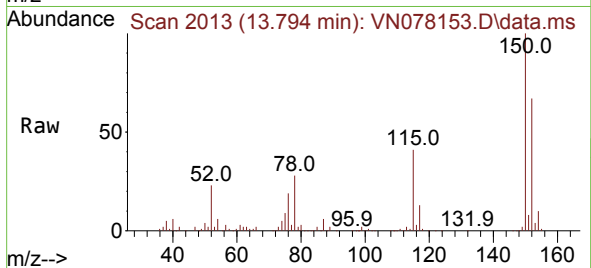
Tgt Ion:152 Resp: 197276

Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 156.2 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN078153.D

Acq: 09 Jun 2023 18:10

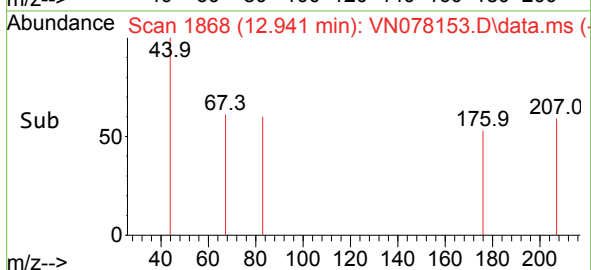
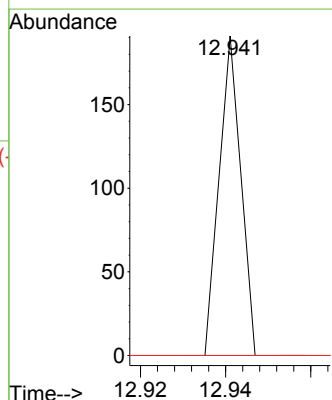
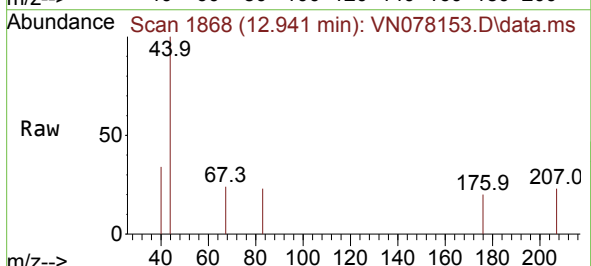
Tgt Ion: 83 Resp: 67

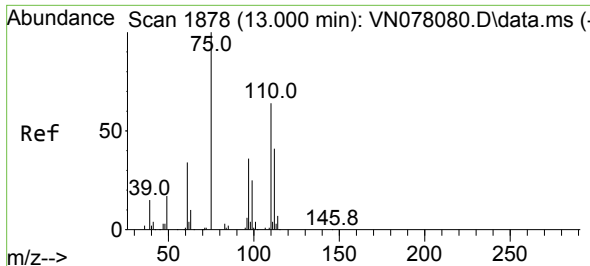
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#

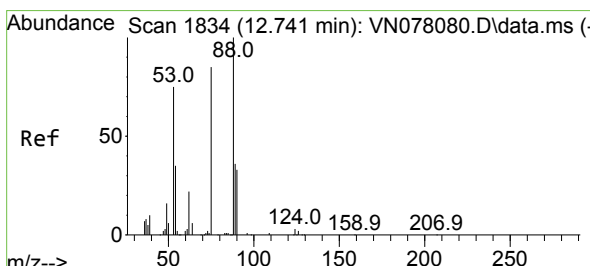
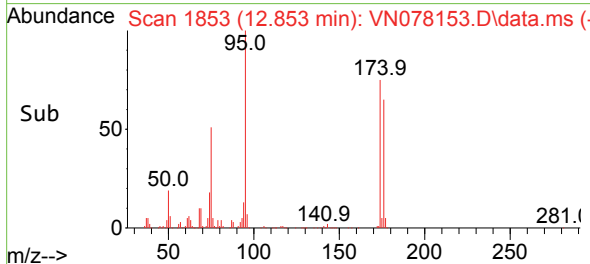
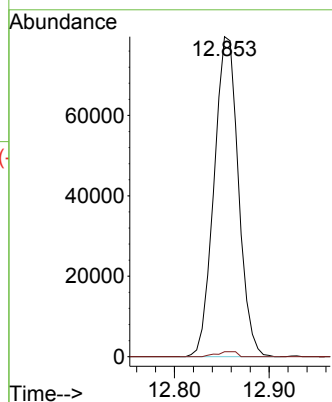
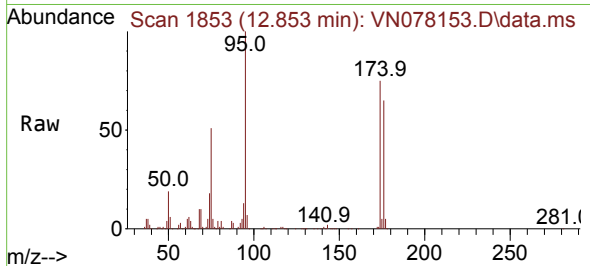




#76
1,2,3-Trichloropropane
Concen: 30.494 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

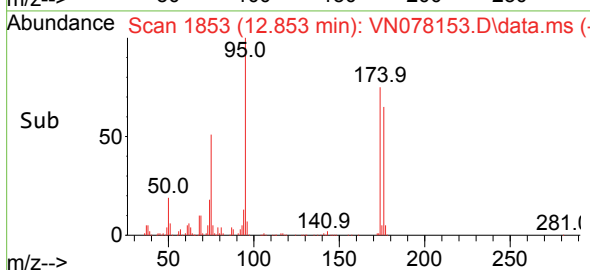
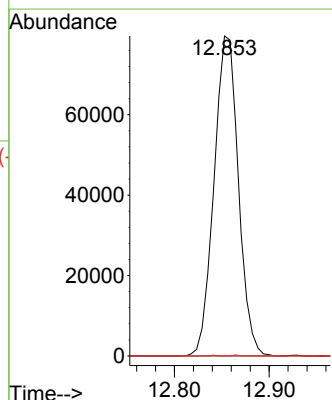
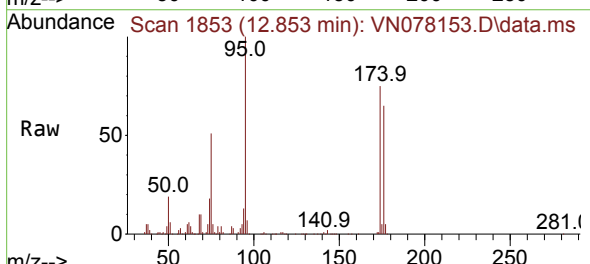
Instrument :
MSVOA_N
ClientSampleId :

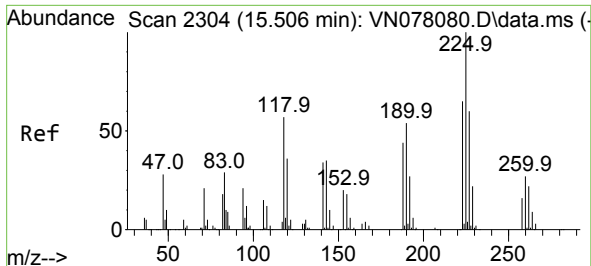
Tgt Ion: 75 Resp: 142213
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.686 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078153.D
Acq: 09 Jun 2023 18:10

Tgt Ion: 75 Resp: 142213
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.517 min Scan# 21

Delta R.T. 0.011 min

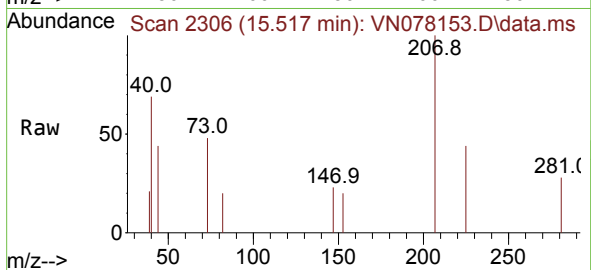
Lab File: VN078153.D

Acq: 09 Jun 2023 18:10

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:225 Resp: 122

Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.8#

227 0.0 31.9 95.9#

