

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061223\
 Data File : VN078159.D
 Acq On : 12 Jun 2023 11:16
 Operator : JC\MD
 Sample : VN0612WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0612WBL01

Quant Time: Jun 13 01:29:31 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)

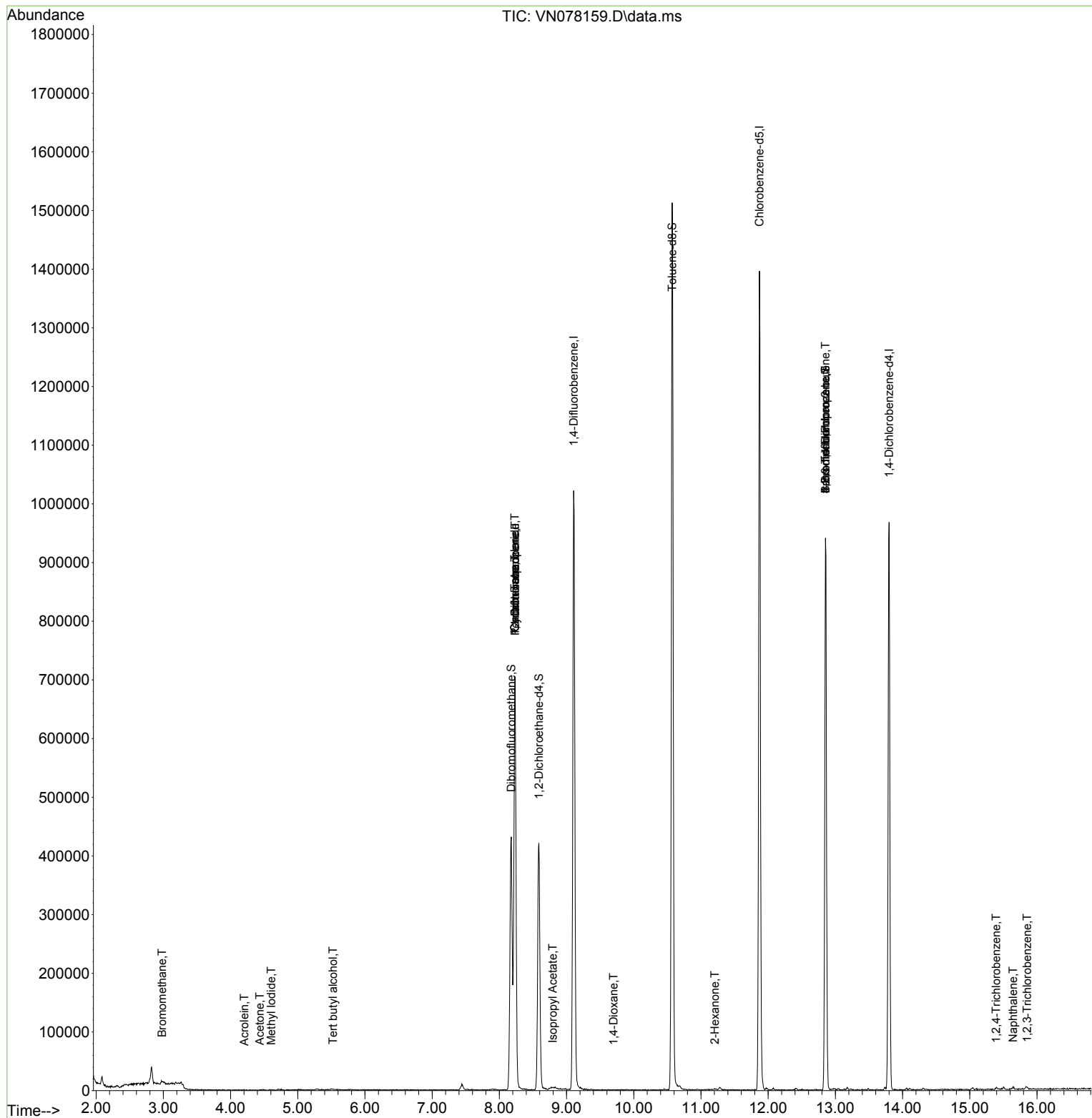
Internal Standards						
1) Pentafluorobenzene	8.235	168	497487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	922139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	810544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	264179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	349813	52.738	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.480%
35) Dibromofluoromethane	8.177	113	310223	53.206	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.420%
50) Toluene-d8	10.571	98	1093777	48.661	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.853	95	345730	49.477	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1229	Below Cal	#	73
5) Bromomethane	2.983	94	2819	0.507	ug/l #	80
10) Methyl Iodide	4.606	142	1549	0.208	ug/l #	80
11) Tert butyl alcohol	5.524	59	445	0.486	ug/l #	72
13) Acrolein	4.206	56	274	0.271	ug/l #	46
16) Acetone	4.436	43	736	0.385	ug/l #	40
31) Cyclohexane	8.230	56	11889	1.397	ug/l #	45
36) 1,1-Dichloropropene	8.235	75	44180	5.283	ug/l #	48
38) Carbon Tetrachloride	8.230	117	54019	6.117	ug/l #	15
43) Isopropyl Acetate	8.794	43	4367	0.350	ug/l #	49
49) 1,4-Dioxane	9.700	88	72	0.653	ug/l #	2
59) 2-Hexanone	11.206	43	1437	0.314	ug/l	70
71) Bromoform	12.853	173	2980	0.723	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.953	83	231	Below Cal	#	55
76) 1,2,3-Trichloropropane	12.853	75	184021	29.466	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	184021	90.528	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.394	180	910	0.266	ug/l	76
94) Hexachlorobutadiene	15.506	225	696	Below Cal		81
95) Naphthalene	15.647	128	3993	0.348	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.853	180	1556	0.407	ug/l #	18

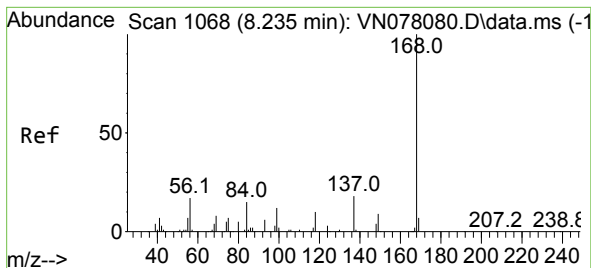
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061223\
Data File : VN078159.D
Acq On : 12 Jun 2023 11:16
Operator : JC\MD
Sample : VN0612WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

Quant Time: Jun 13 01:29:31 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

Instrument :

MSVOA_N

ClientSampleId :

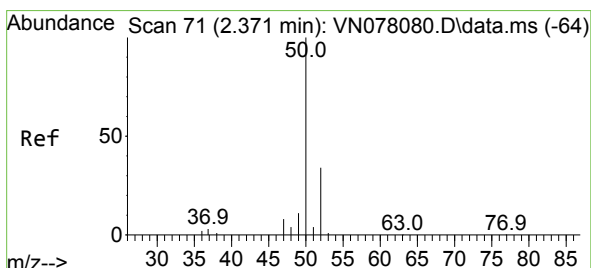
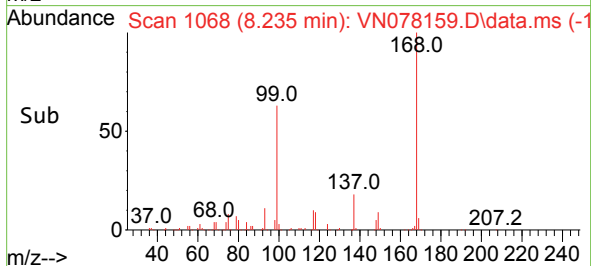
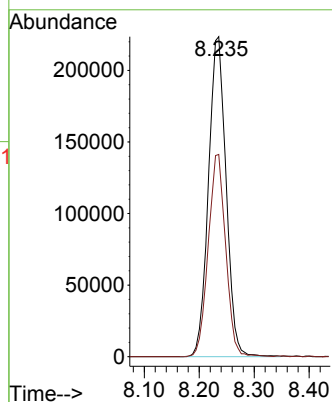
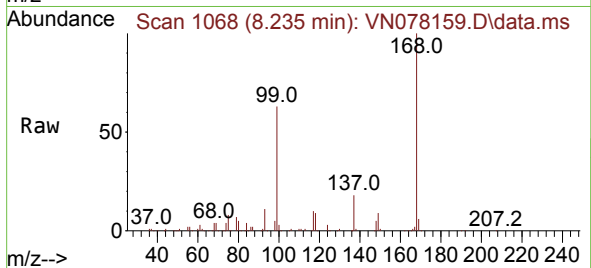
VN0612WBL01

Tgt Ion:168 Resp: 497487

Ion Ratio Lower Upper

168 100

99 63.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078159.D

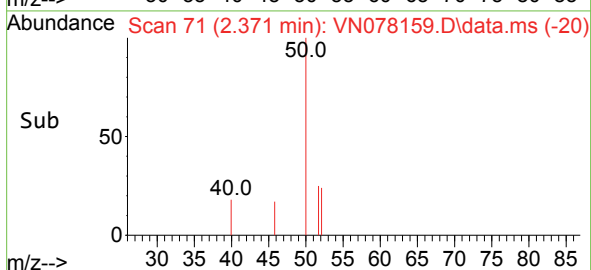
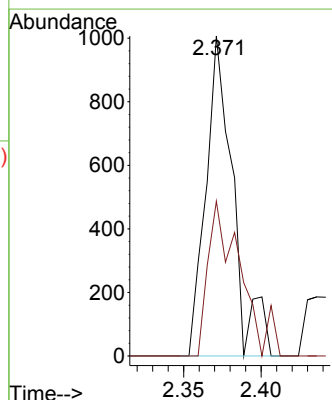
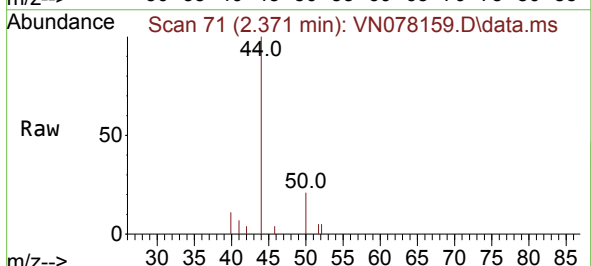
Acq: 12 Jun 2023 11:16

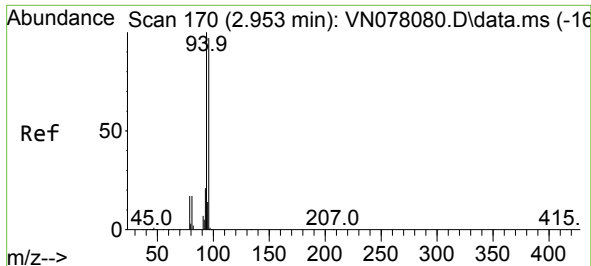
Tgt Ion: 50 Resp: 1229

Ion Ratio Lower Upper

50 100

52 48.4 26.5 39.7#

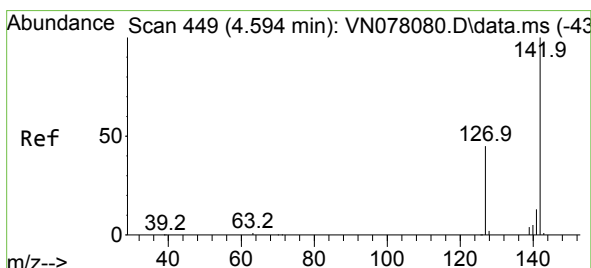
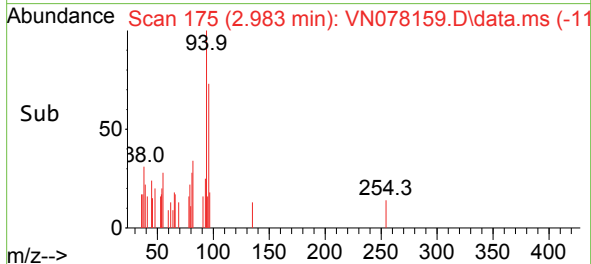
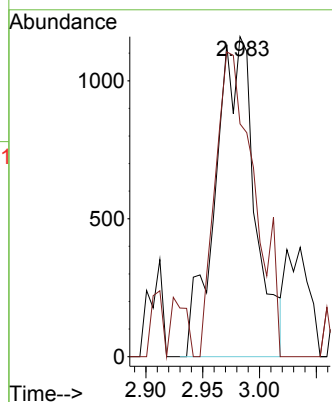
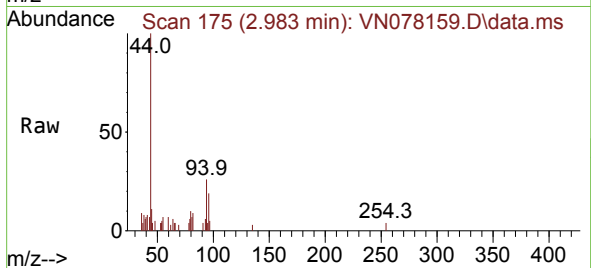




#5
Bromomethane
Concen: 0.507 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

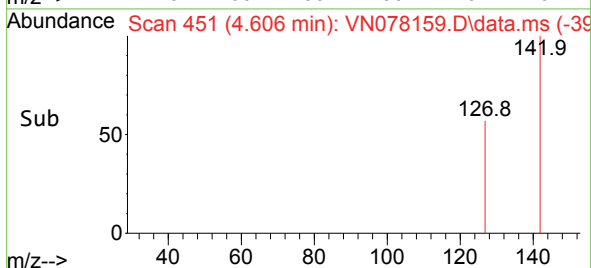
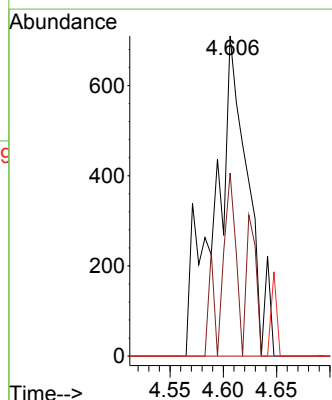
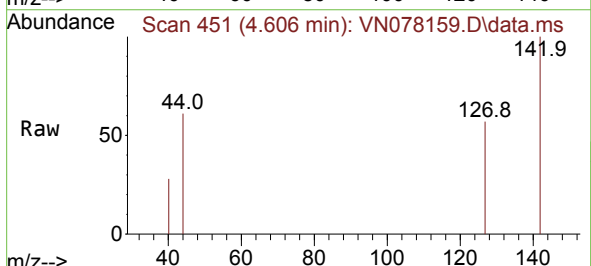
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

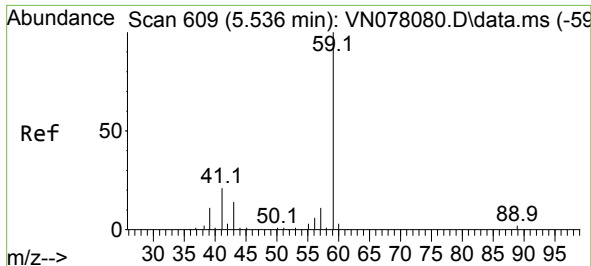
Tgt Ion: 94 Resp: 2819
Ion Ratio Lower Upper
94 100
96 72.8 73.1 109.7#



#10
Methyl Iodide
Concen: 0.208 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

Tgt Ion: 142 Resp: 1549
Ion Ratio Lower Upper
142 100
127 57.2 37.6 56.4#
141 0.0 11.4 17.0#

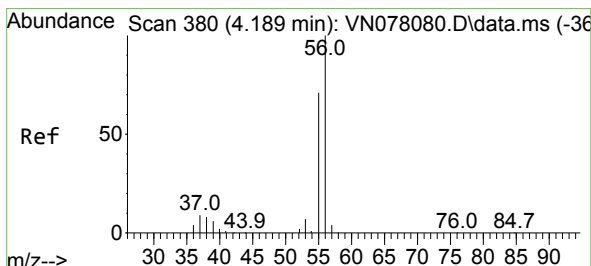
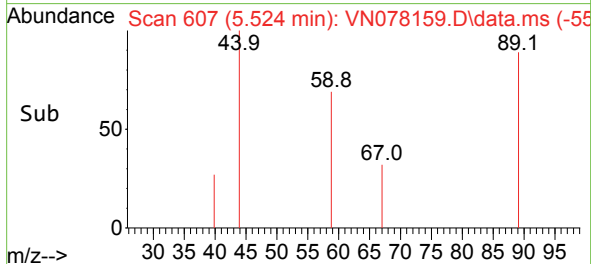
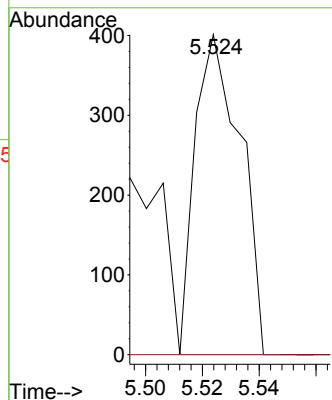
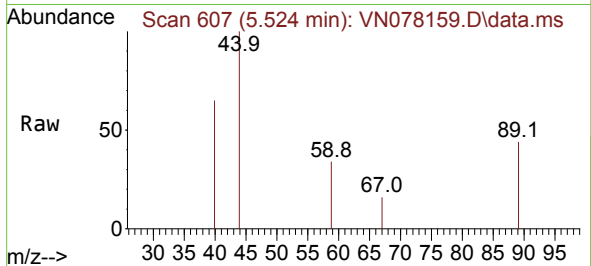




#11
Tert butyl alcohol
Concen: 0.486 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

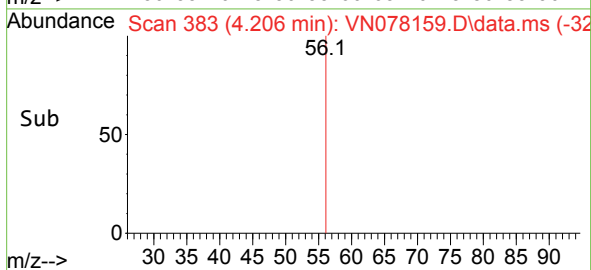
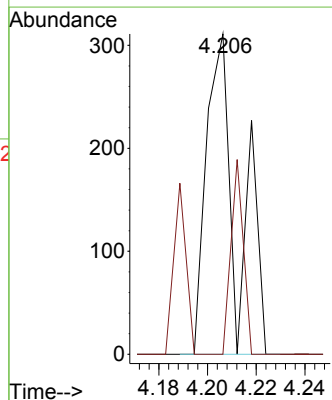
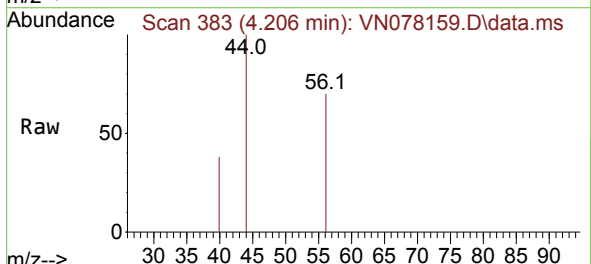
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

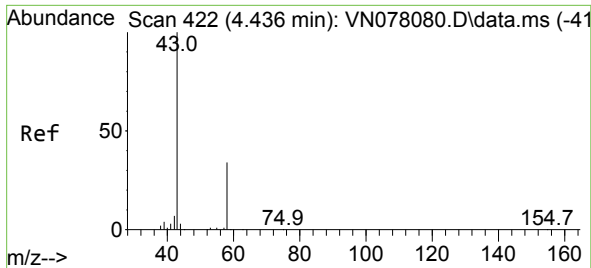
Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.271 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 24.5 54.5 81.7#

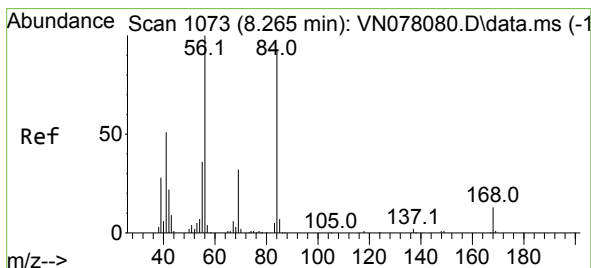
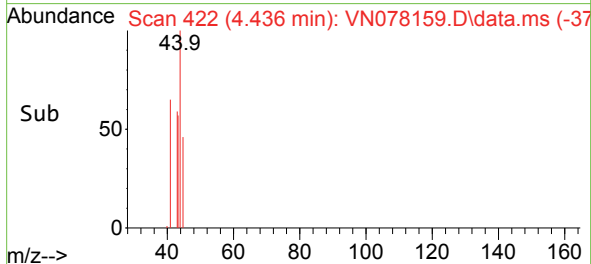
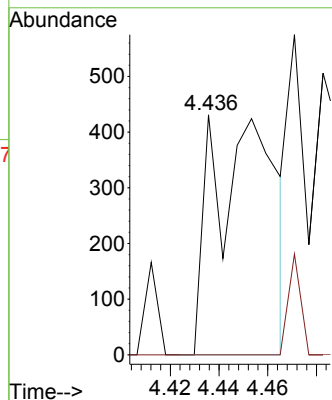
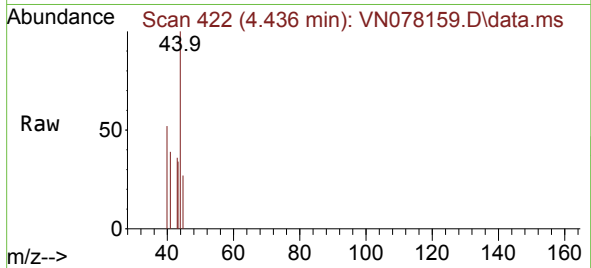




#16
Acetone
Concen: 0.385 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

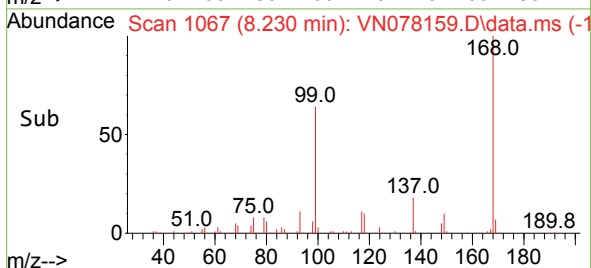
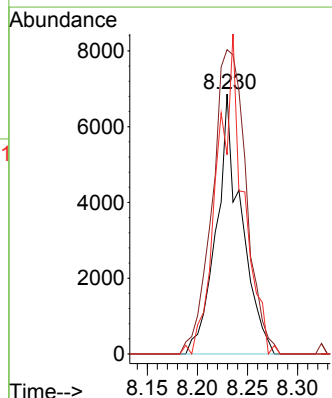
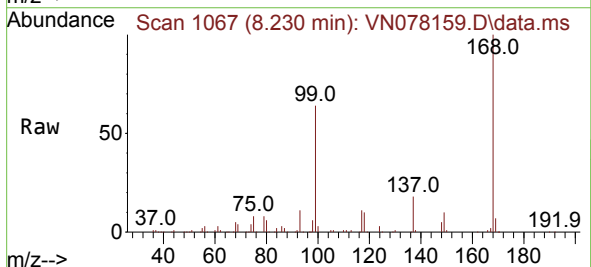
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

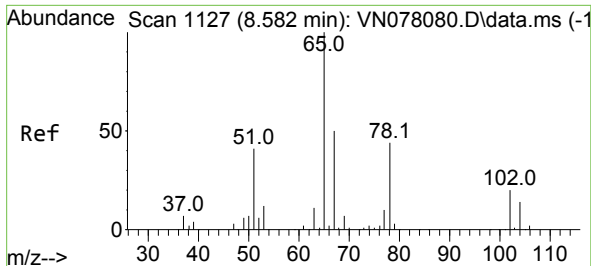
Tgt Ion: 43 Resp: 736
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#31
Cyclohexane
Concen: 1.397 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

Tgt Ion: 56 Resp: 11889
Ion Ratio Lower Upper
56 100
69 117.2 26.8 40.2#
84 76.7 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.738 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

Instrument :

MSVOA_N

ClientSampleId :

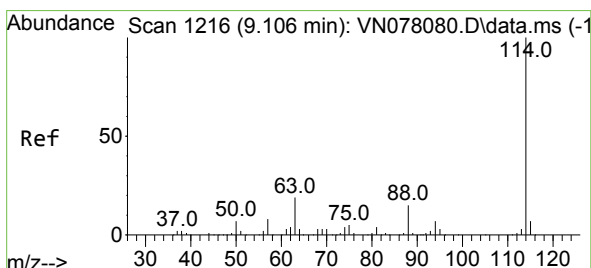
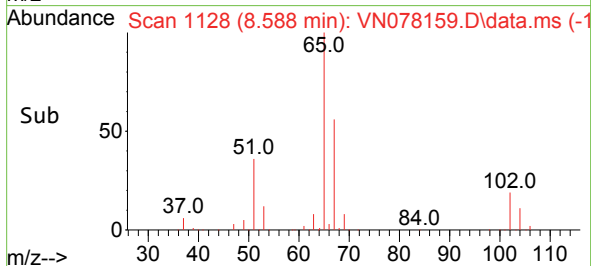
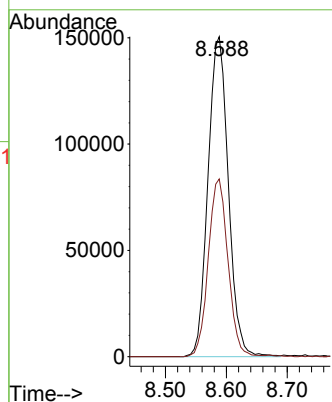
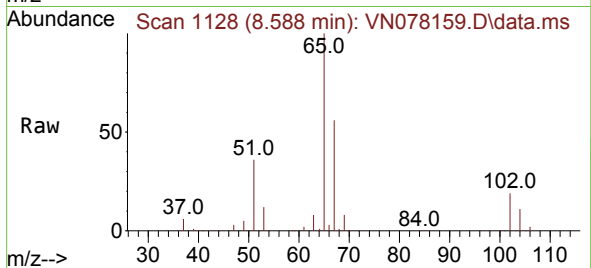
VN0612WBL01

Tgt Ion: 65 Resp: 349813

Ion Ratio Lower Upper

65 100

67 53.8 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: VN078159.D

Acq: 12 Jun 2023 11:16

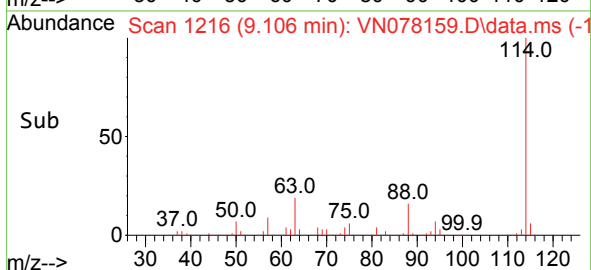
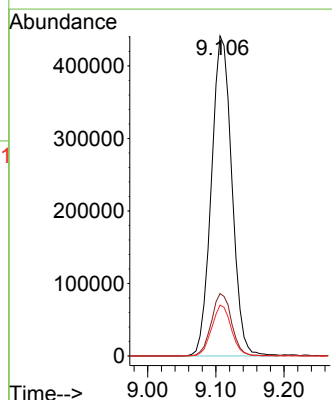
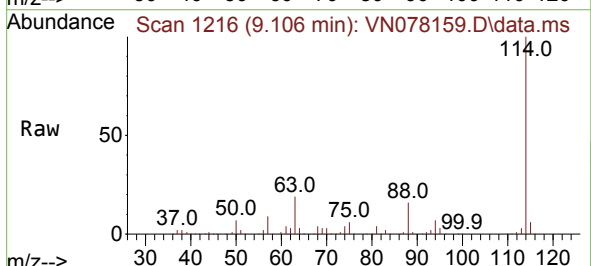
Tgt Ion: 114 Resp: 922139

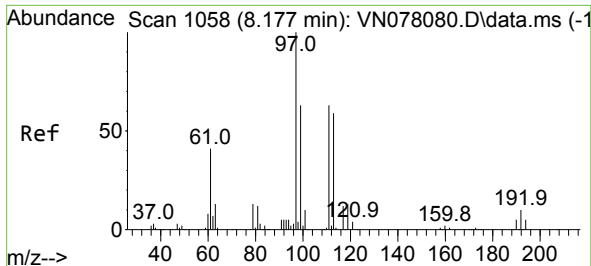
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 15.9 0.0 30.6

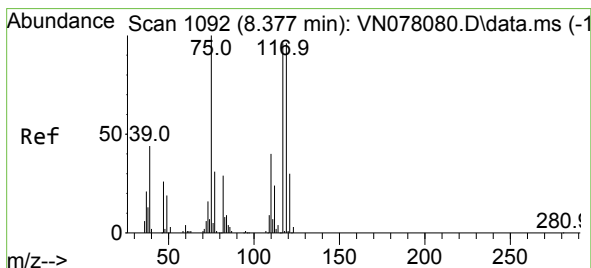
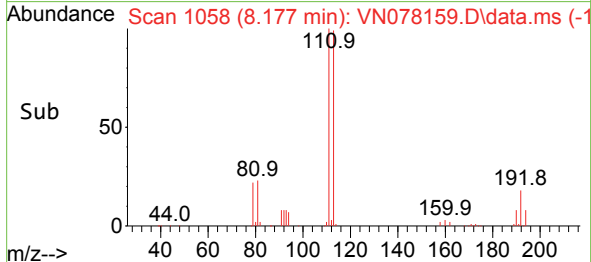
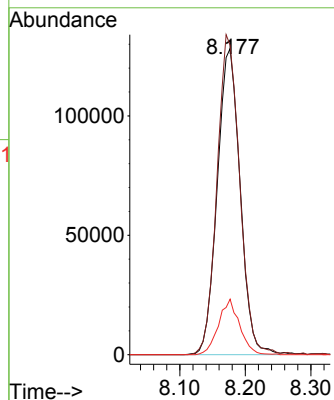
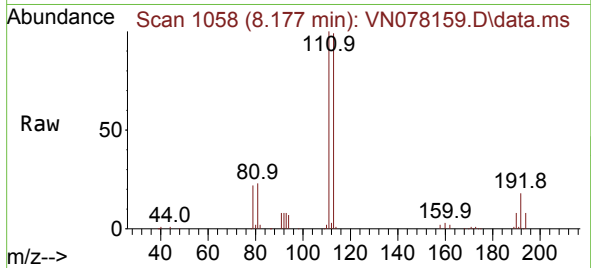




#35
Dibromofluoromethane
Concen: 53.206 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

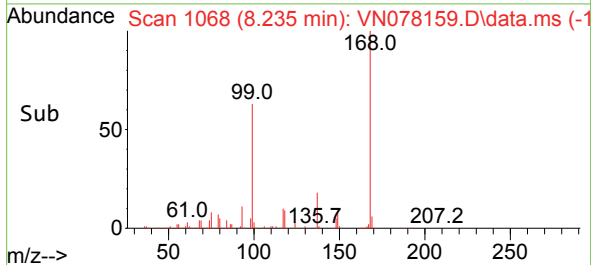
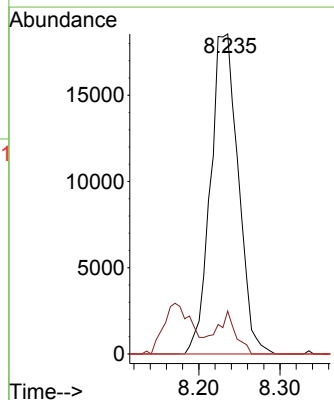
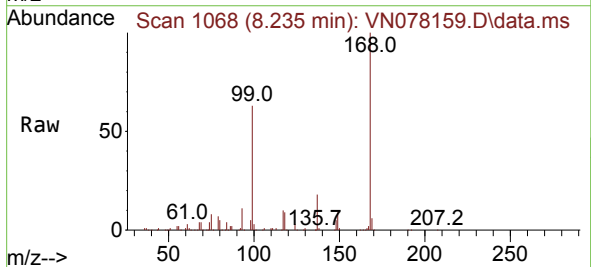
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

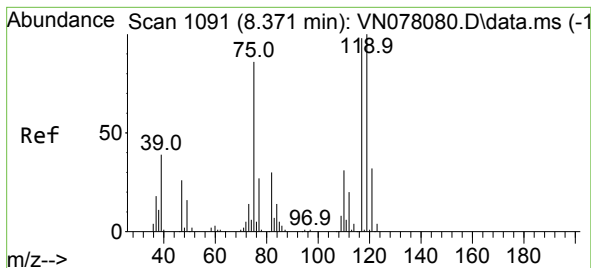
Tgt Ion:113 Resp: 310223
Ion Ratio Lower Upper
113 100
111 103.6 82.6 123.8
192 16.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.283 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

Tgt Ion: 75 Resp: 44180
Ion Ratio Lower Upper
75 100
110 9.3 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.117 ug/l

RT: 8.230 min Scan# 1163

Delta R.T. -0.141 min

Lab File: VN078159.D

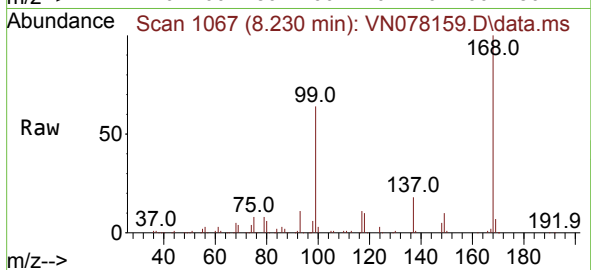
Acq: 12 Jun 2023 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL01



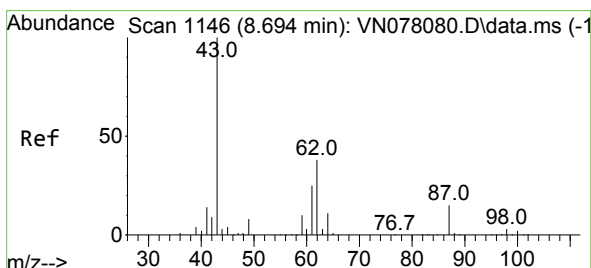
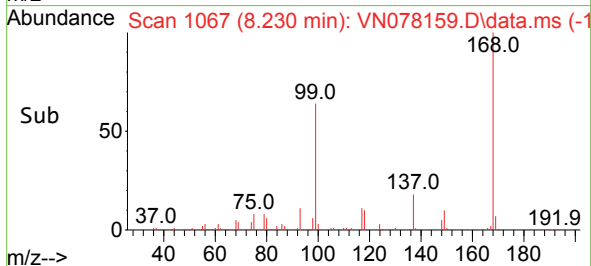
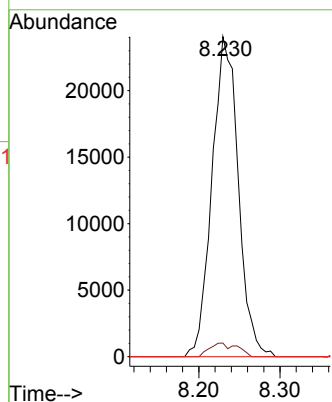
Tgt Ion:117 Resp: 54019

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#43

Isopropyl Acetate

Concen: 0.350 ug/l

RT: 8.794 min Scan# 1163

Delta R.T. 0.100 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

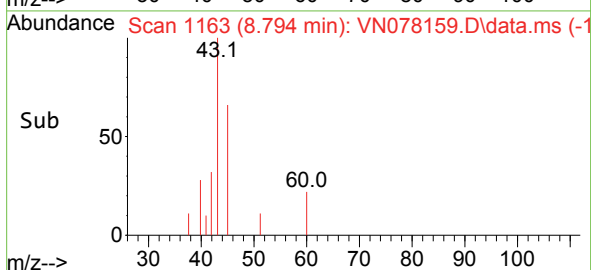
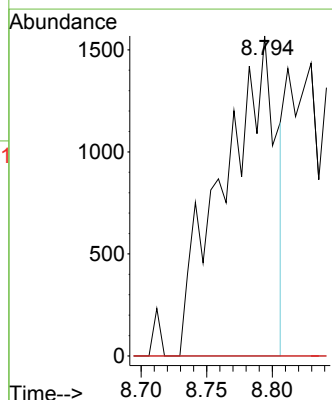
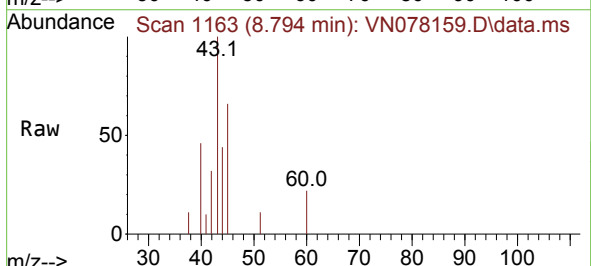
Tgt Ion: 43 Resp: 4367

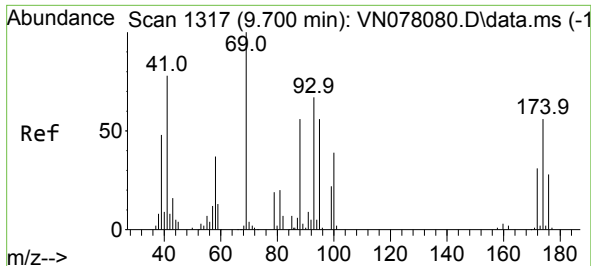
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#





#49

1,4-Dioxane

Concen: 0.653 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL01

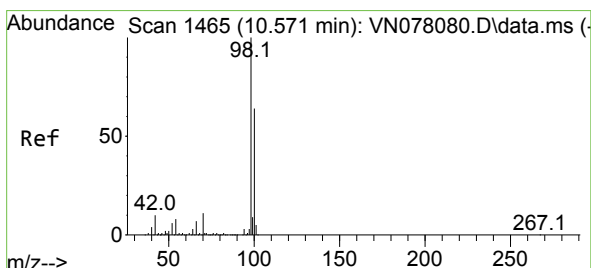
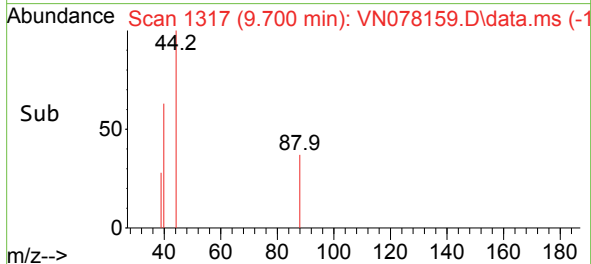
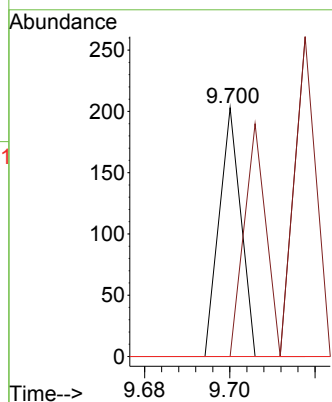
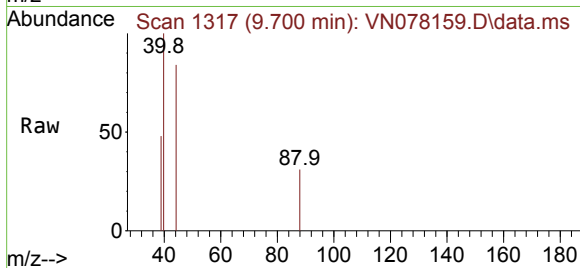
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 93.1 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 48.661 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN078159.D

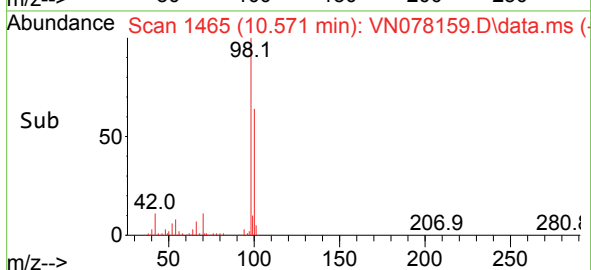
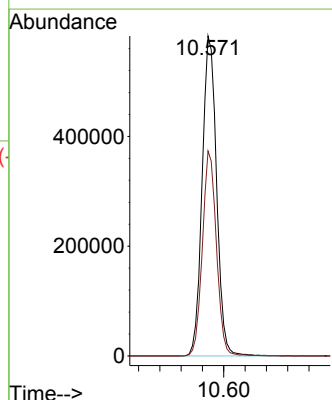
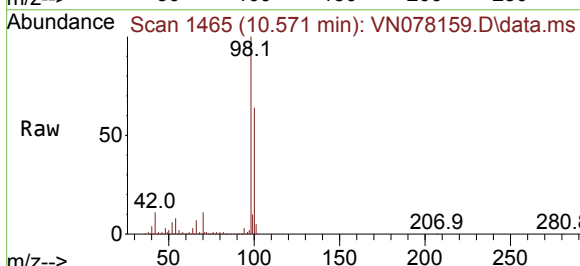
Acq: 12 Jun 2023 11:16

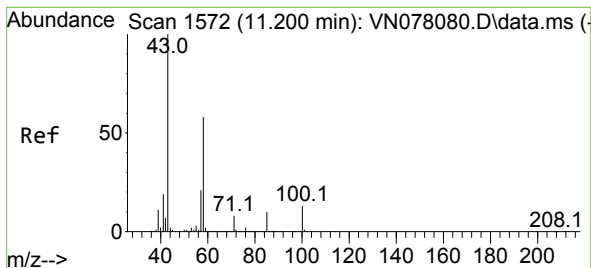
Tgt Ion: 98 Resp: 1093777

Ion Ratio Lower Upper

98 100

100 62.4 52.0 78.0

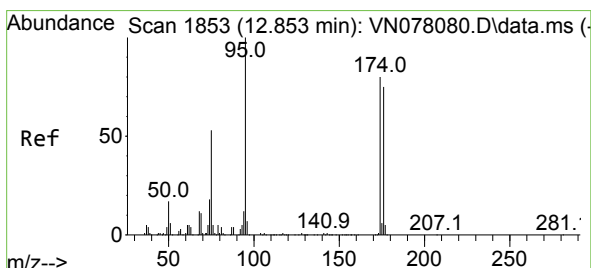
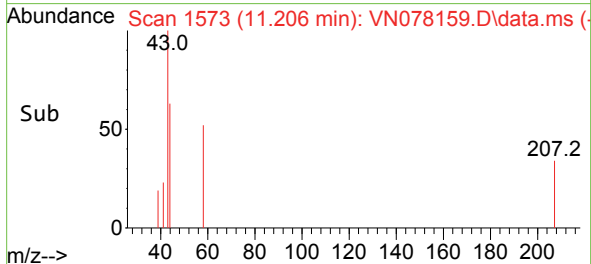
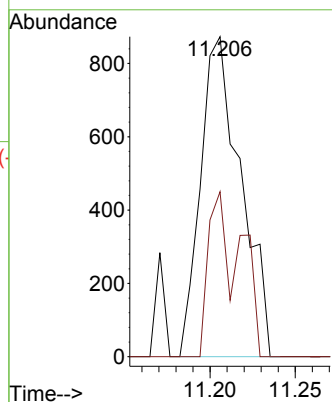
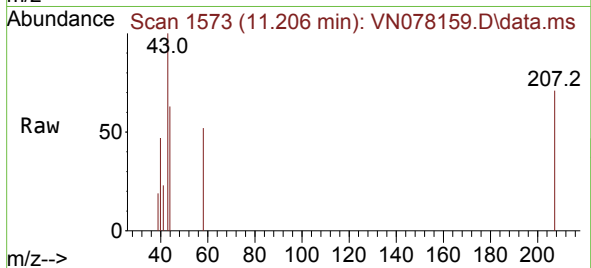




#59
2-Hexanone
Concen: 0.314 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

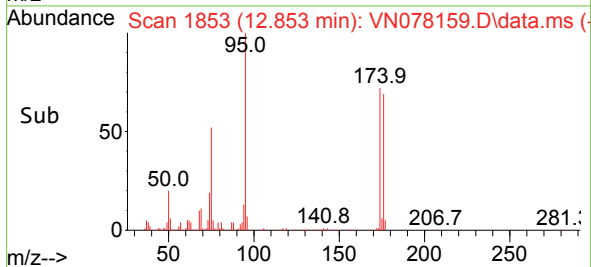
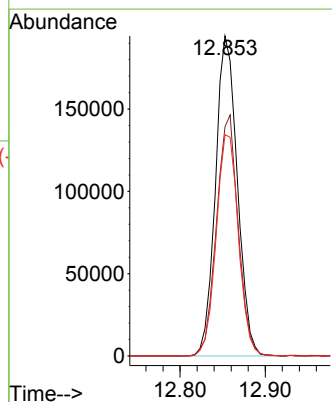
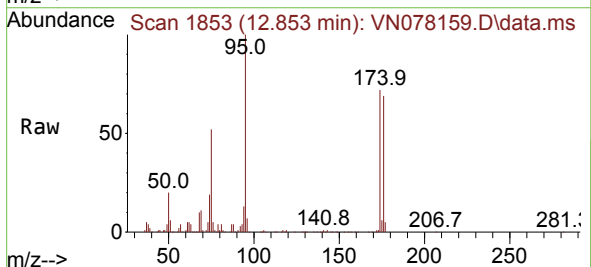
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

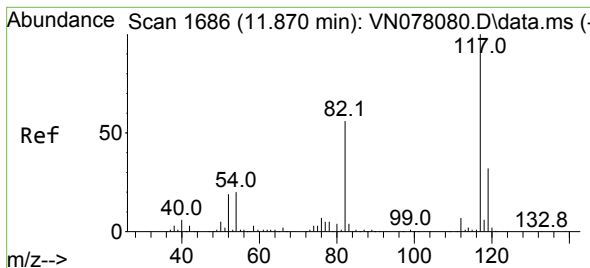
Tgt Ion: 43 Resp: 1437
Ion Ratio Lower Upper
43 100
58 40.3 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 49.477 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

Tgt Ion: 95 Resp: 345730
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 70.3 0.0 135.8

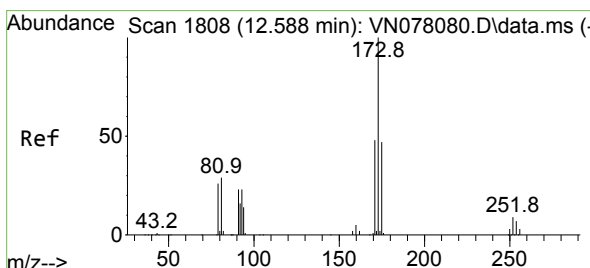
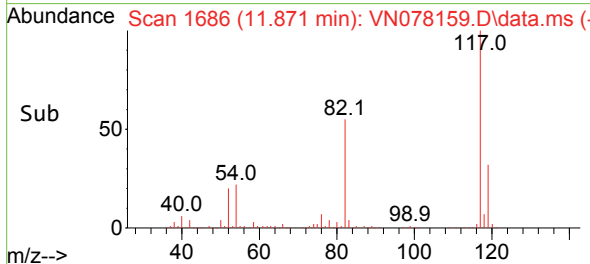
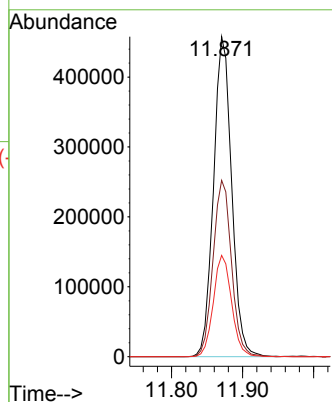
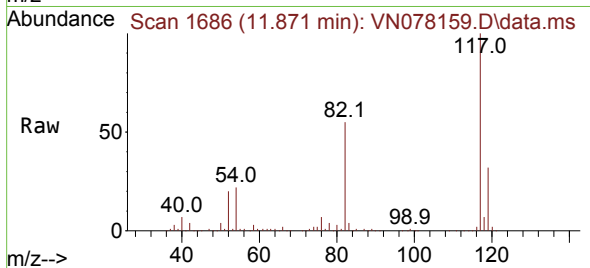




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

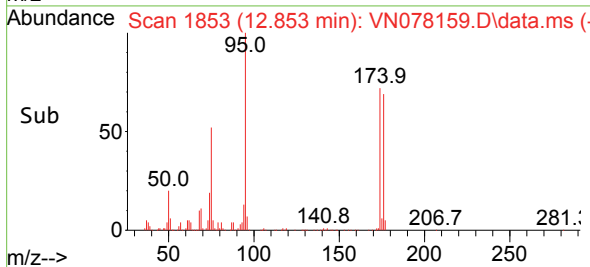
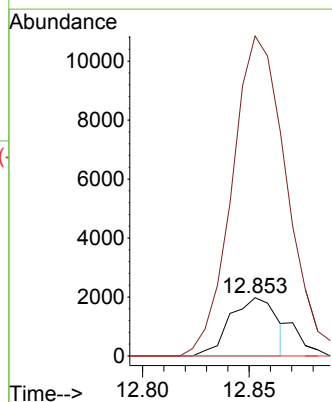
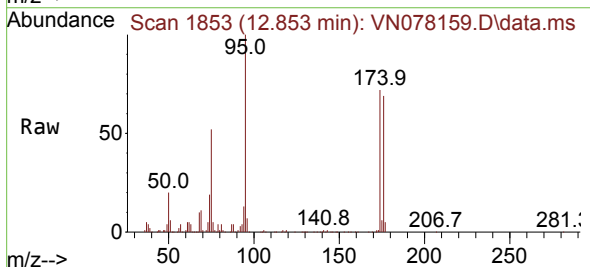
Instrument :
MSVOA_N
ClientSampleId :
VN0612WBL01

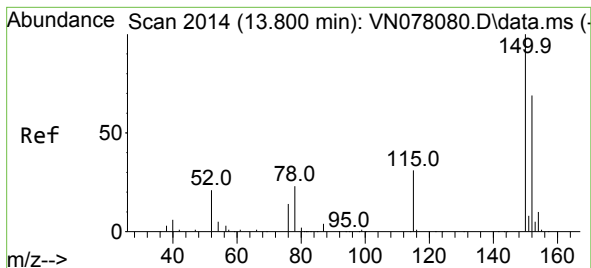
Tgt Ion:117 Resp: 810544
Ion Ratio Lower Upper
117 100
82 55.1 44.0 66.0
119 31.7 25.6 38.4



#71
Bromoform
Concen: 0.723 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078159.D
Acq: 12 Jun 2023 11:16

Tgt Ion:173 Resp: 2980
Ion Ratio Lower Upper
173 100
175 551.4 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.000 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL01

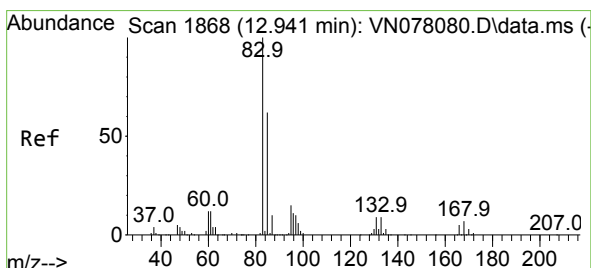
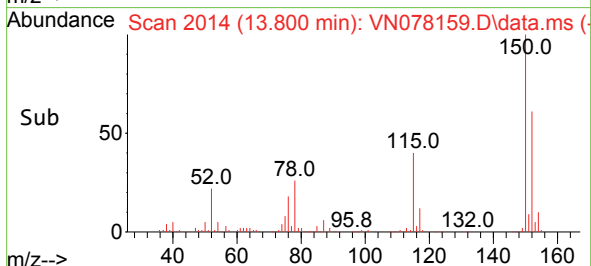
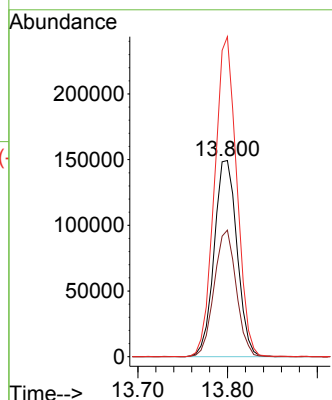
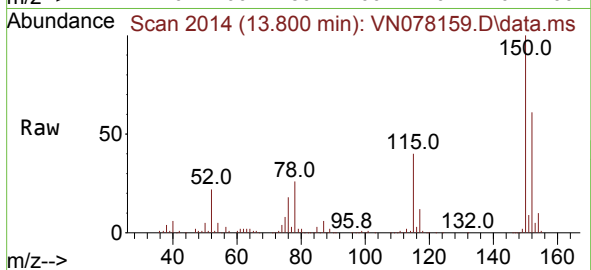
Tgt Ion:152 Resp: 264179

Ion Ratio Lower Upper

152 100

115 62.3 32.3 96.8

150 158.3 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.953 min Scan# 1870

Delta R.T. 0.012 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

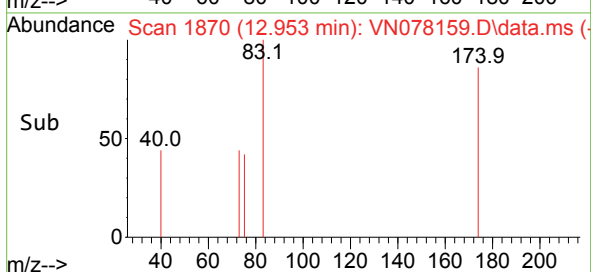
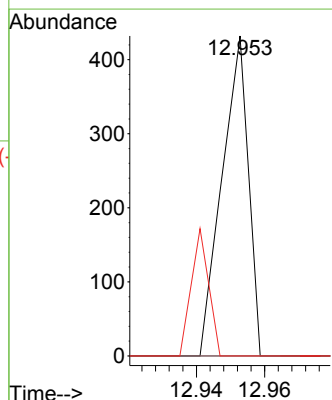
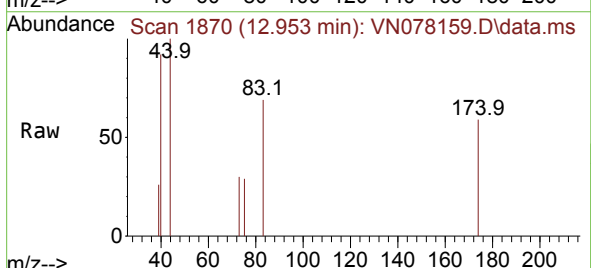
Tgt Ion: 83 Resp: 231

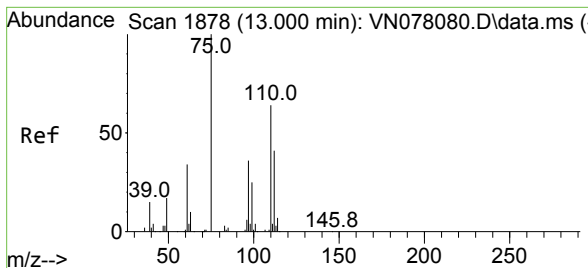
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 26.4 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 29.466 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

Instrument :

MSVOA_N

ClientSampleId :

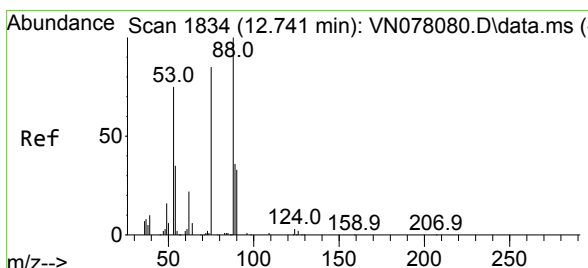
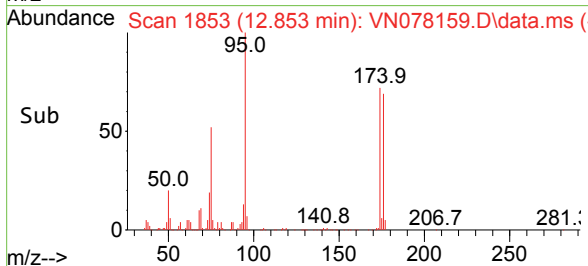
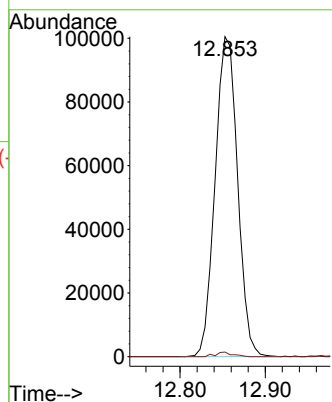
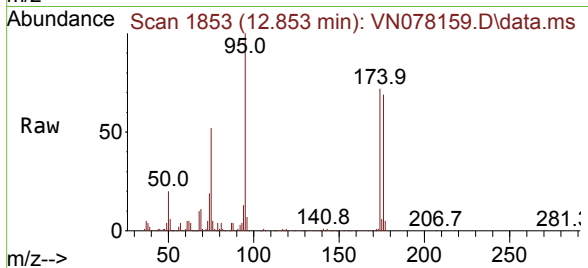
VN0612WBL01

Tgt Ion: 75 Resp: 184021

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.528 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

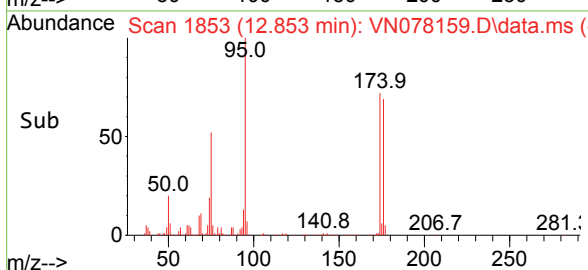
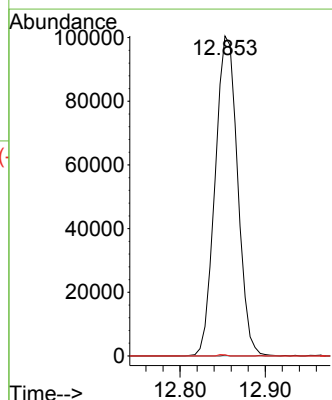
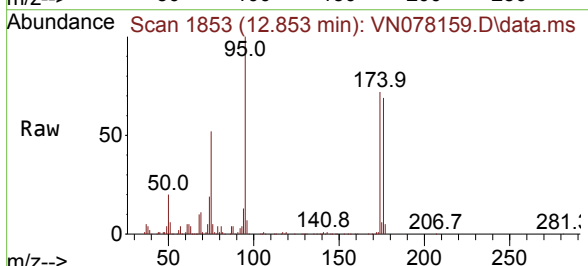
Tgt Ion: 75 Resp: 184021

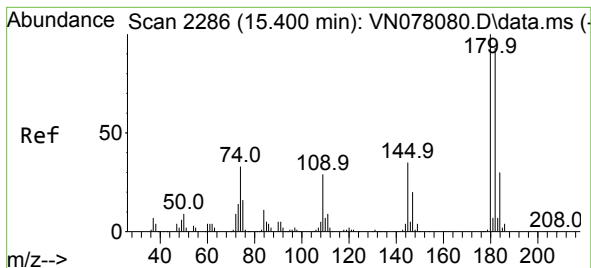
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.2 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.266 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL01

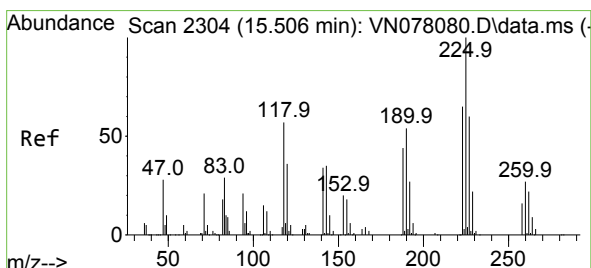
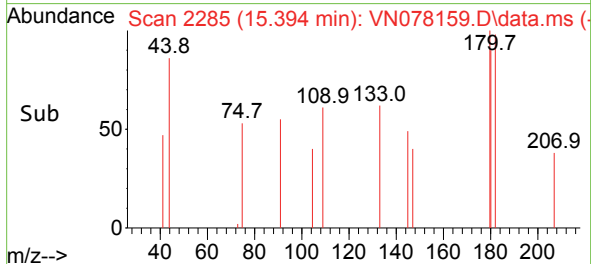
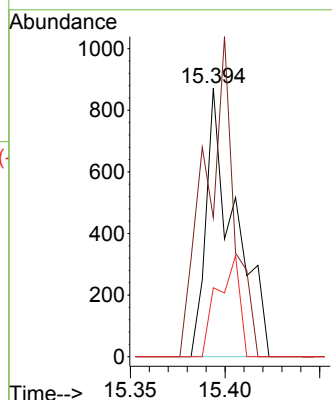
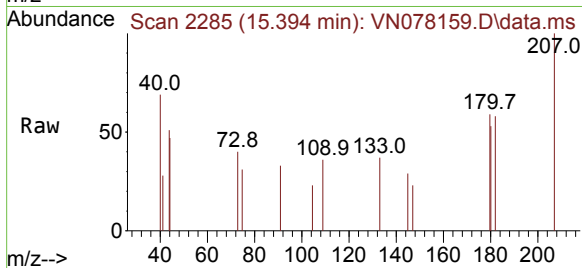
Tgt Ion:180 Resp: 910

Ion Ratio Lower Upper

180 100

182 120.4 46.1 138.2

145 29.5 16.6 49.8



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.506 min Scan# 2304

Delta R.T. -0.000 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

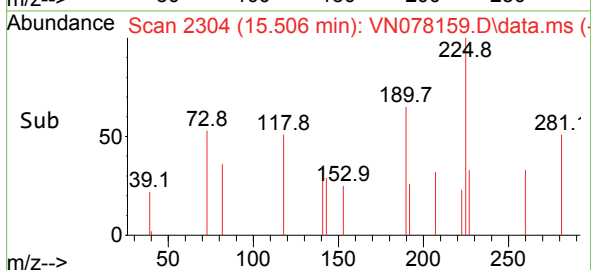
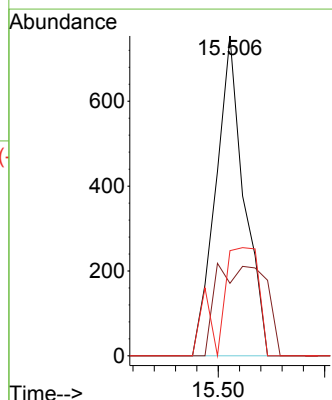
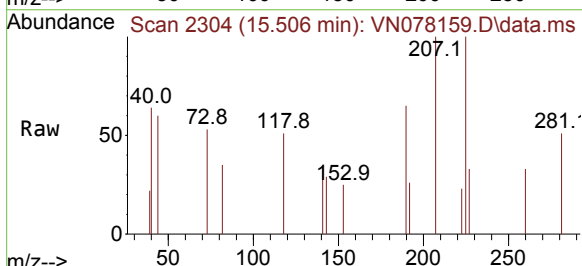
Tgt Ion:225 Resp: 696

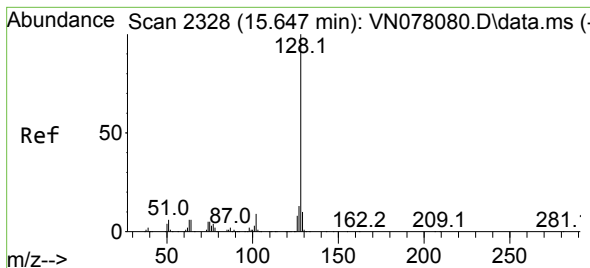
Ion Ratio Lower Upper

225 100

223 50.0 31.3 93.8

227 46.4 31.9 95.9





#95

Naphthalene

Concen: 0.348 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.000 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

Instrument :

MSVOA_N

ClientSampleId :

VN0612WBL01

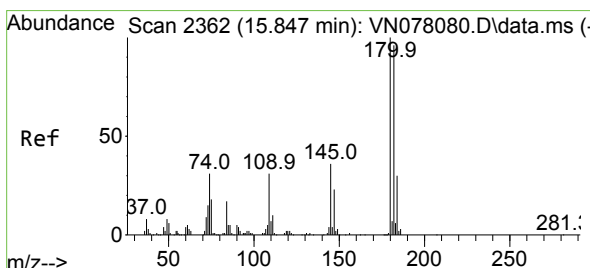
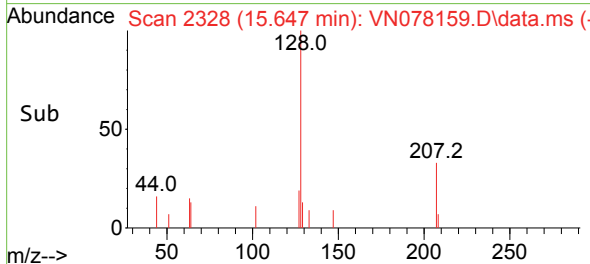
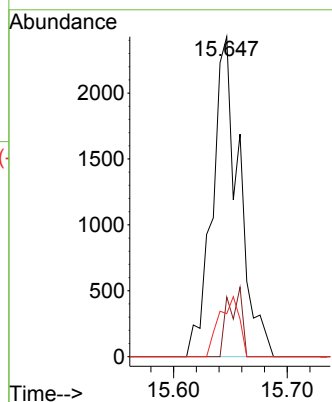
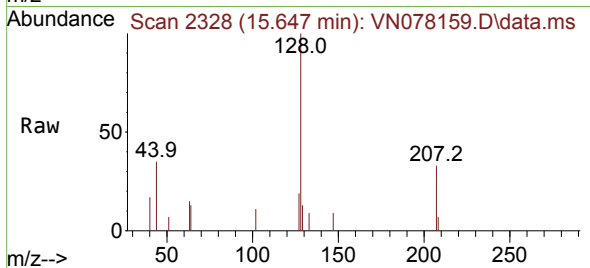
Tgt Ion:128 Resp: 3993

Ion Ratio Lower Upper

128 100

127 11.2 10.0 15.0

129 14.1 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.407 ug/l

RT: 15.853 min Scan# 2363

Delta R.T. 0.006 min

Lab File: VN078159.D

Acq: 12 Jun 2023 11:16

Tgt Ion:180 Resp: 1556

Ion Ratio Lower Upper

180 100

182 0.0 46.2 138.6#

145 10.7 17.5 52.6#

