

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078222.D
 Acq On : 15 Jun 2023 12:32
 Operator : JC\MD
 Sample : VN0615WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0615WBL01

Quant Time: Jun 16 06:04:02 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)

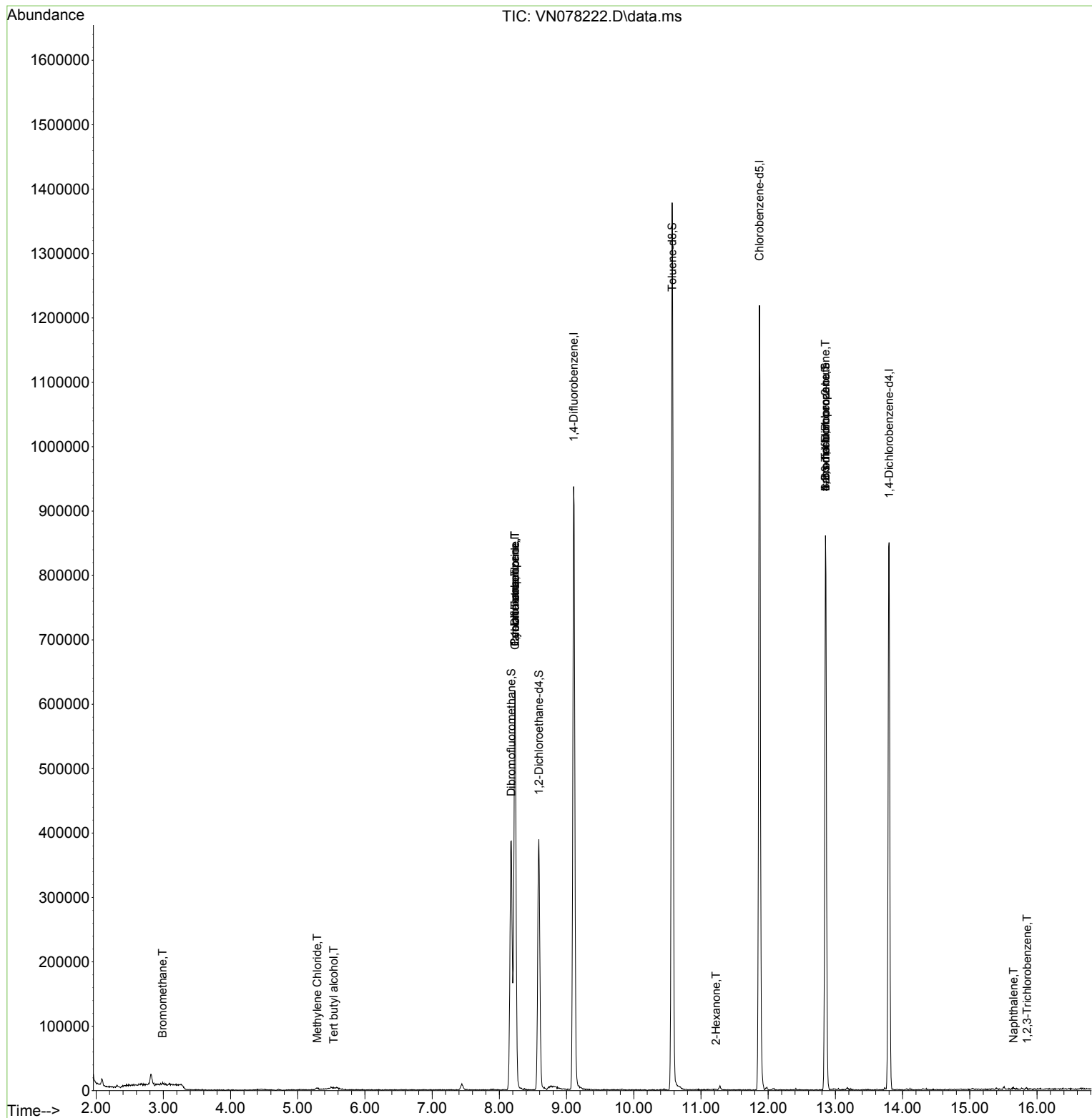
Internal Standards						
1) Pentafluorobenzene	8.229	168	445855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	823091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	735060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	233721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	320936	53.988	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.980%			
35) Dibromofluoromethane	8.177	113	284028	54.576	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.160%			
50) Toluene-d8	10.570	98	979941	48.843	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.680%			
62) 4-Bromofluorobenzene	12.853	95	298567	47.869	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.740%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	870	Below Cal	#	73
5) Bromomethane	2.989	94	1600	0.321	ug/l #	62
11) Tert butyl alcohol	5.536	59	365	0.445	ug/l #	72
20) Methylene Chloride	5.288	84	2103	0.372	ug/l #	86
31) Cyclohexane	8.229	56	11170	1.465	ug/l #	38
36) 1,1-Dichloropropene	8.229	75	40003	5.359	ug/l #	49
38) Carbon Tetrachloride	8.235	117	50564	6.415	ug/l #	14
59) 2-Hexanone	11.223	43	856	0.209	ug/l	62
71) Bromoform	12.853	173	2577	0.690	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.935	83	54	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	163156	29.529	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	163156	90.723	ug/l #	15
94) Hexachlorobutadiene	15.505	225	404	Below Cal	#	17
95) Naphthalene	15.653	128	2416	0.238	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.852	180	703	0.208	ug/l	90

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078222.D

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Instrument :

MSVOA_N

ClientSampleId :

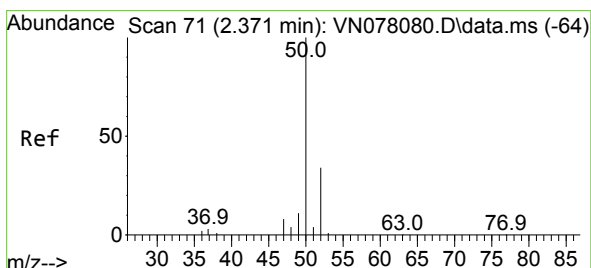
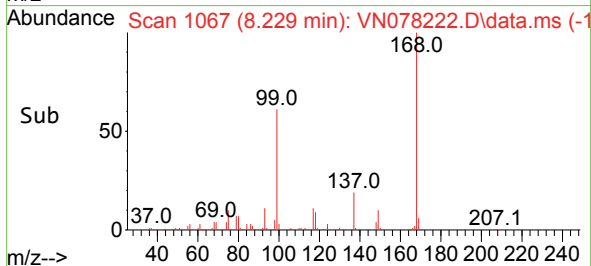
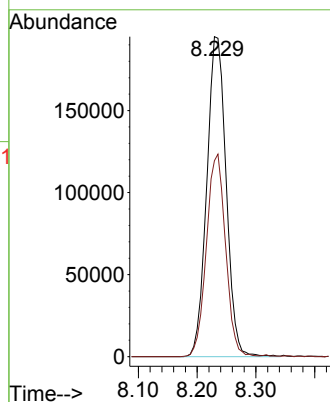
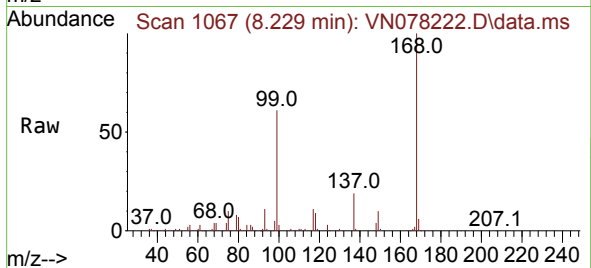
VN0615WBL01

Tgt Ion:168 Resp: 445855

Ion Ratio Lower Upper

168 100

99 61.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.000 min

Lab File: VN078222.D

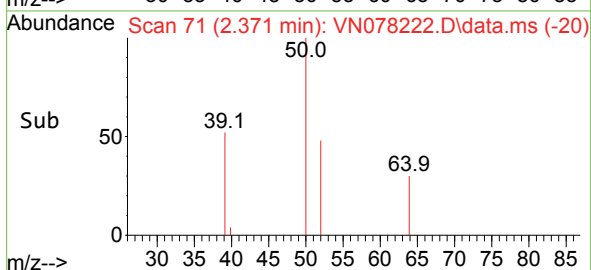
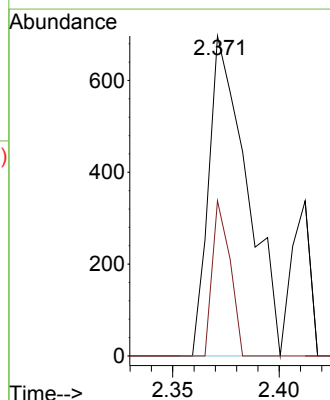
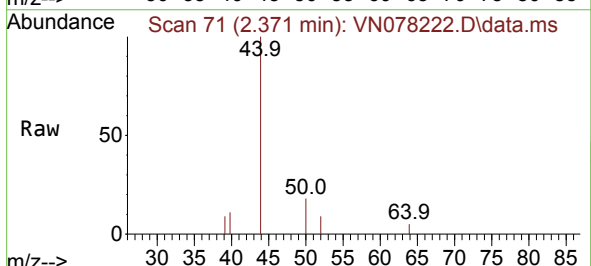
Acq: 15 Jun 2023 12:32

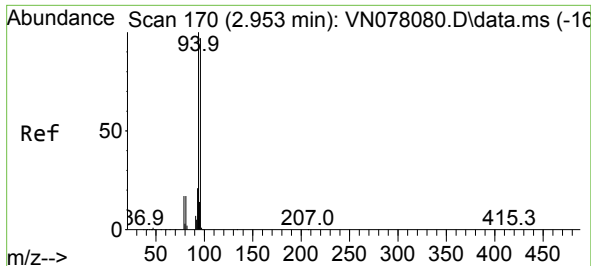
Tgt Ion: 50 Resp: 870

Ion Ratio Lower Upper

50 100

52 48.5 26.5 39.7#

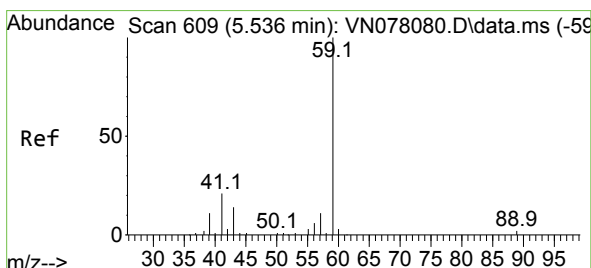
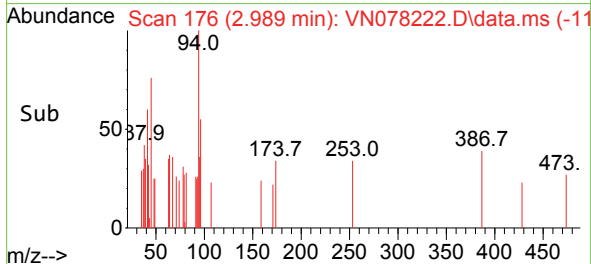
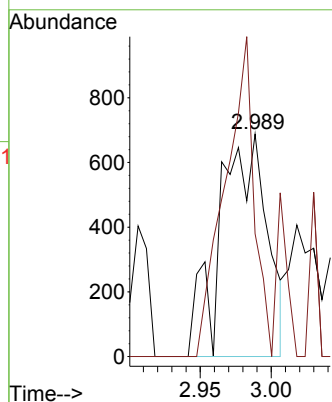
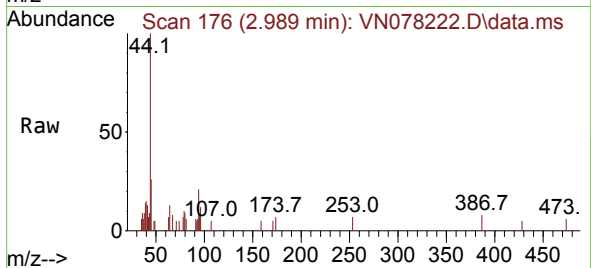




#5
Bromomethane
Concen: 0.321 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

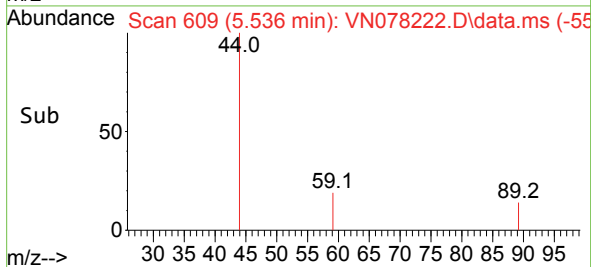
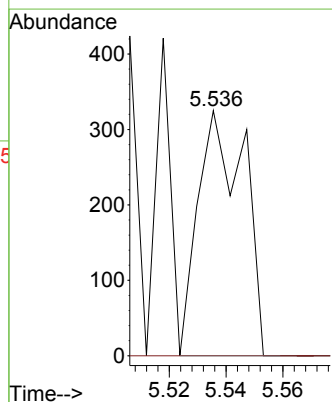
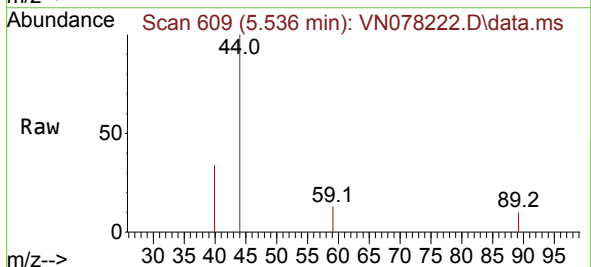
Instrument :
MSVOA_N
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VN0615WBL01

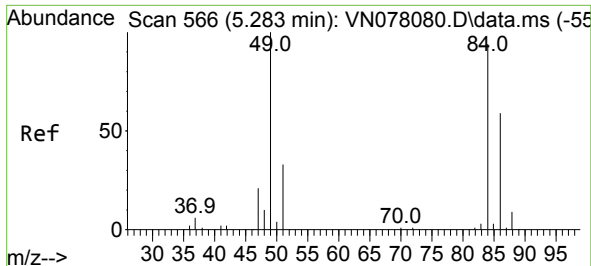
Tgt Ion: 94 Resp: 1600
Ion Ratio Lower Upper
94 100
96 55.2 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.445 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.000 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

Tgt Ion: 59 Resp: 365
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

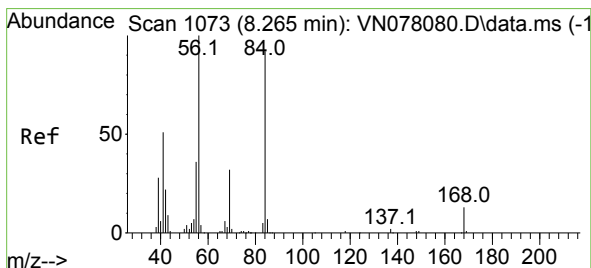
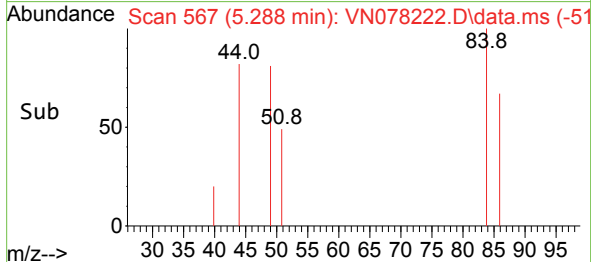
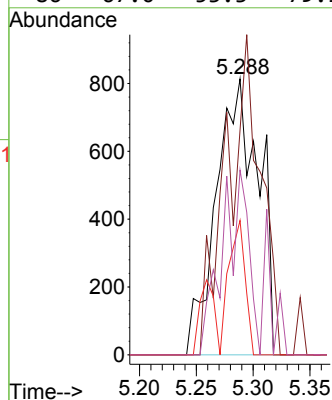
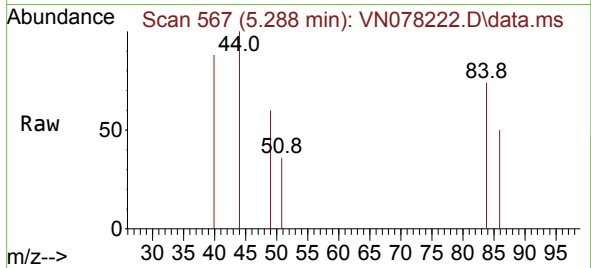




#20
Methylene Chloride
Concen: 0.372 ug/l
RT: 5.288 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

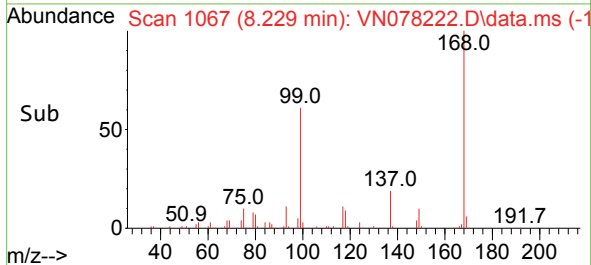
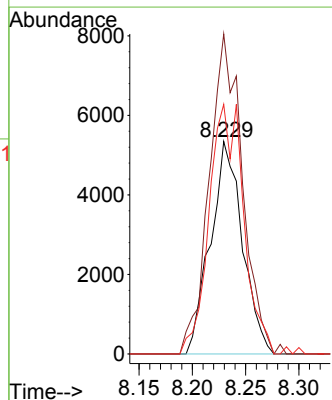
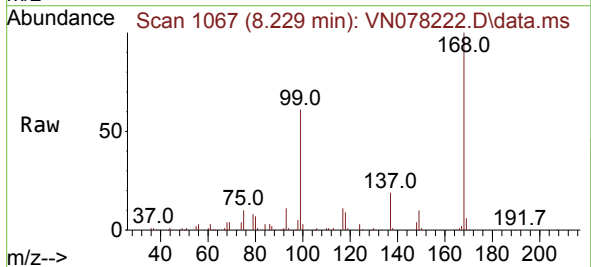
Instrument :
MSVOA_N
ClientSampleId :
VN0615WBL01

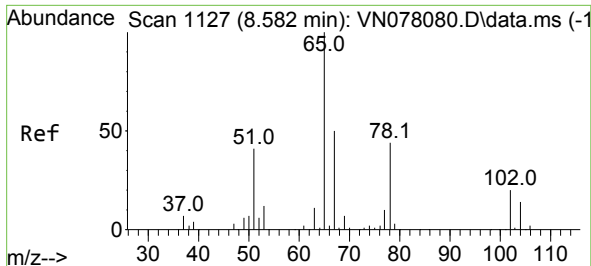
Tgt Ion:	84	Resp:	2103
Ion	Ratio	Lower	Upper
84	100		
49	81.4	79.7	119.5
51	48.6	25.2	37.8#
86	67.0	53.3	79.9



#31
Cyclohexane
Concen: 1.465 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

Tgt Ion:	56	Resp:	11170
Ion	Ratio	Lower	Upper
56	100		
69	150.6	26.8	40.2#
84	117.4	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 53.988 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078222.D

Acq: 15 Jun 2023 12:32

Instrument :

MSVOA_N

ClientSampleId :

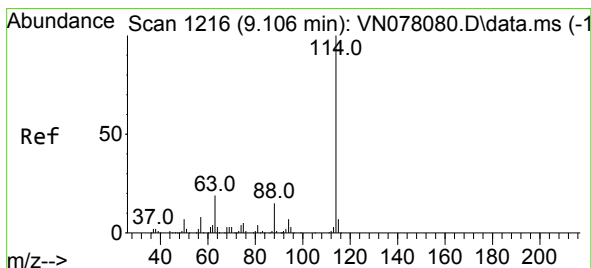
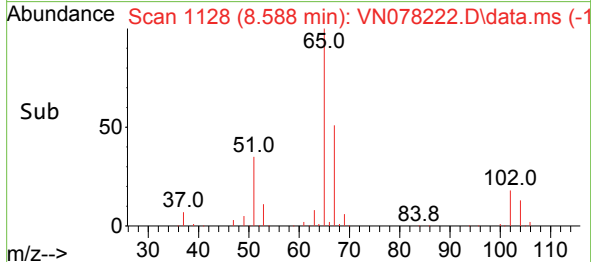
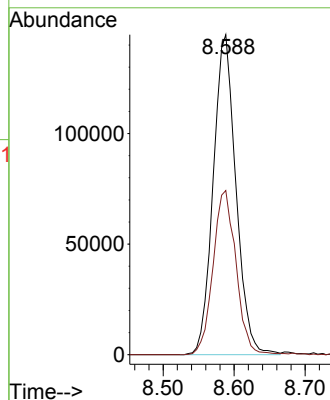
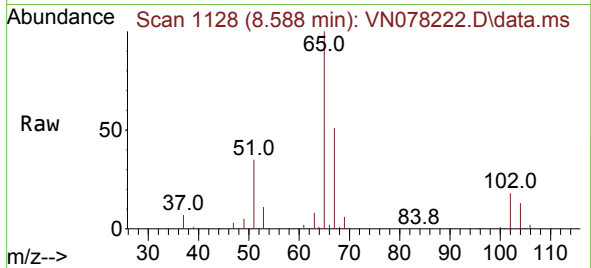
VN0615WBL01

Tgt Ion: 65 Resp: 320936

Ion Ratio Lower Upper

65 100

67 51.8 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: VN078222.D

Acq: 15 Jun 2023 12:32

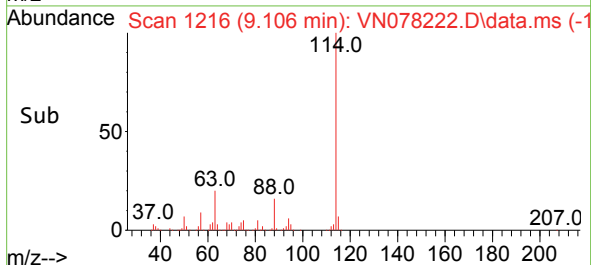
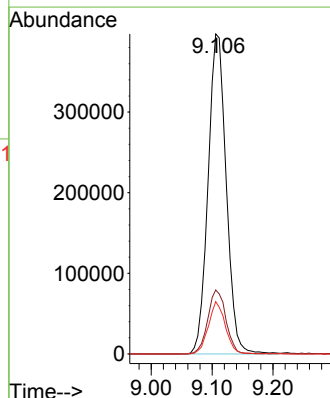
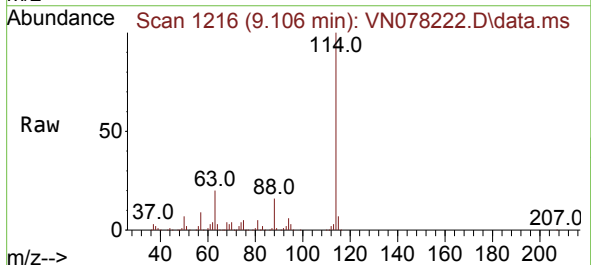
Tgt Ion: 114 Resp: 823091

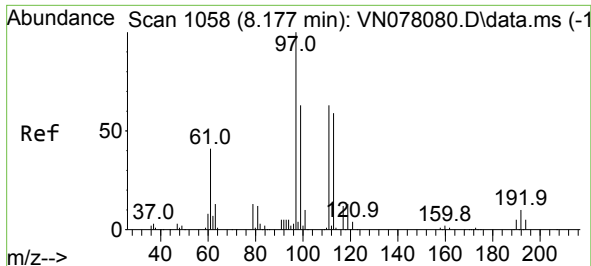
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 16.3 0.0 30.6

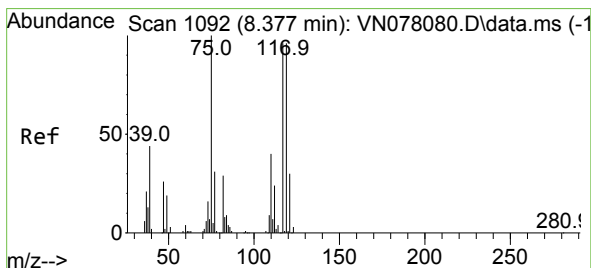
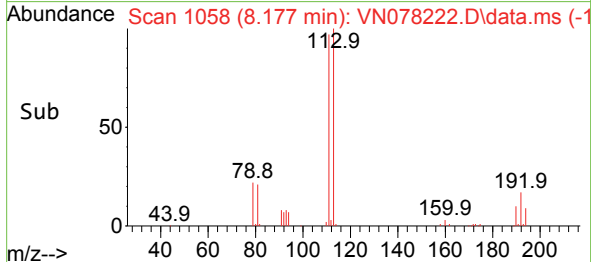
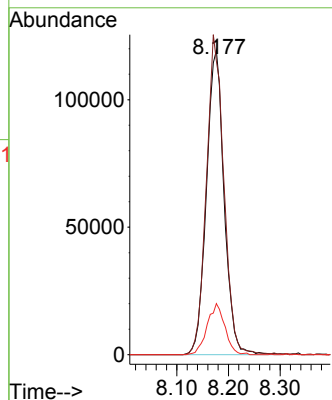
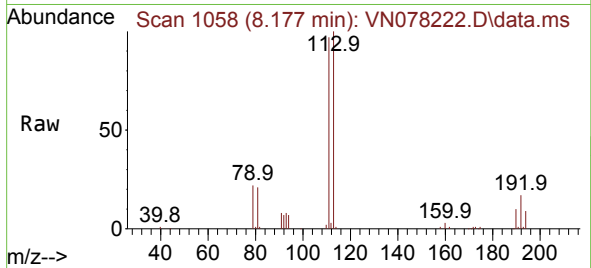




#35
Dibromofluoromethane
Concen: 54.576 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

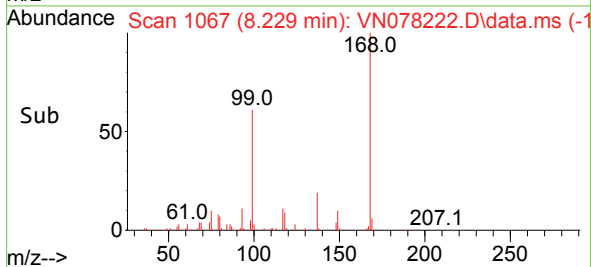
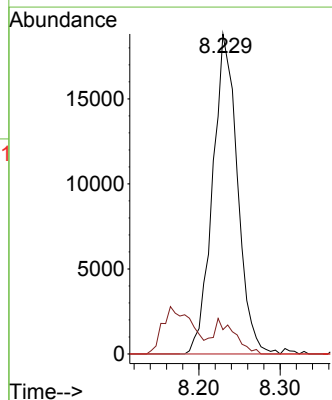
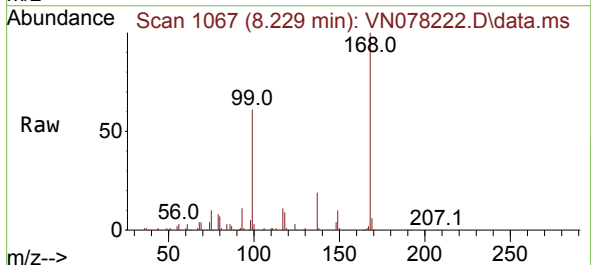
Instrument :
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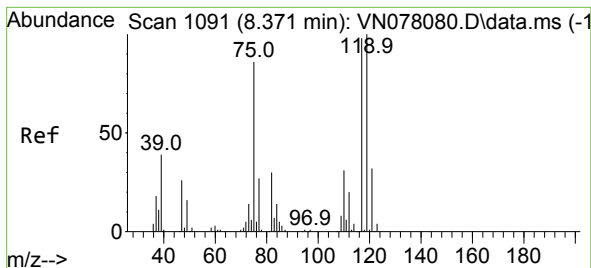
Tgt Ion:113 Resp: 284028
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 16.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.359 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

Tgt Ion: 75 Resp: 40003
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.415 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN078222.D

Acq: 15 Jun 2023 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0615WBL01

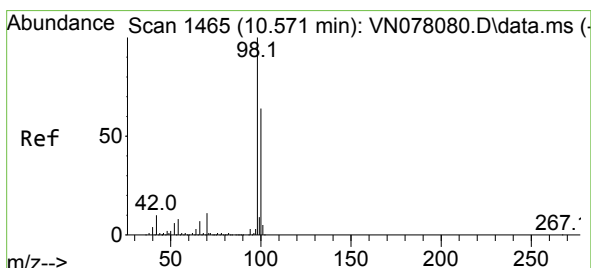
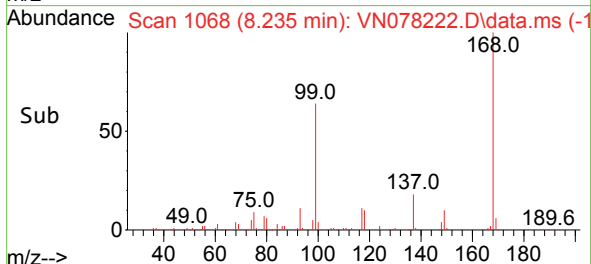
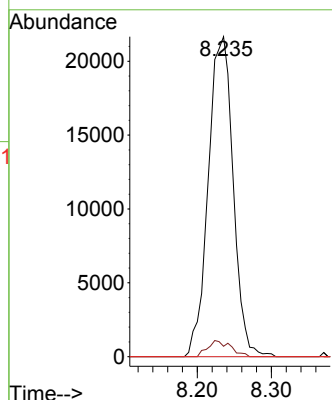
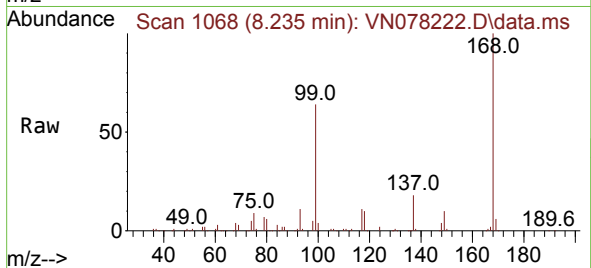
Tgt Ion:117 Resp: 50564

Ion Ratio Lower Upper

117 100

119 3.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 48.843 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078222.D

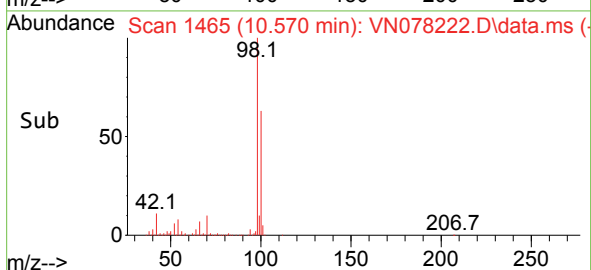
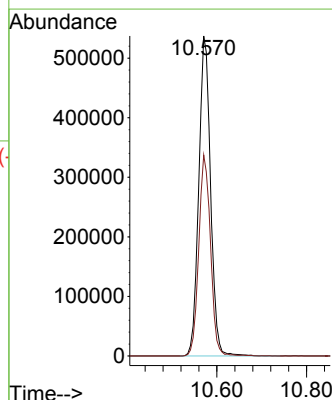
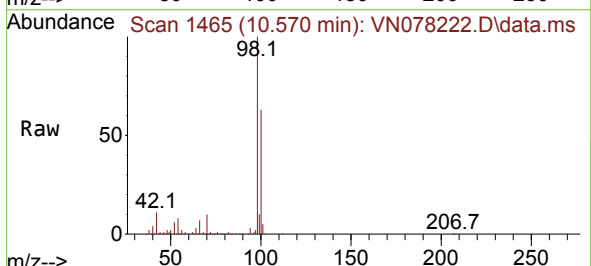
Acq: 15 Jun 2023 12:32

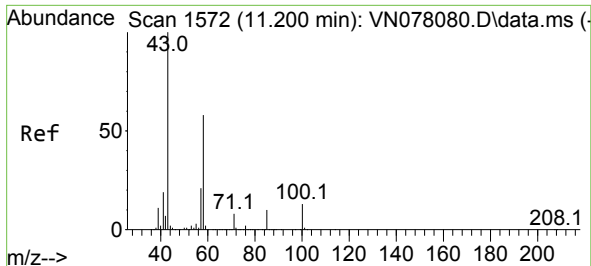
Tgt Ion: 98 Resp: 979941

Ion Ratio Lower Upper

98 100

100 62.6 52.0 78.0

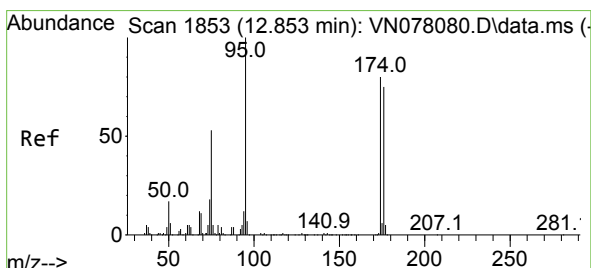
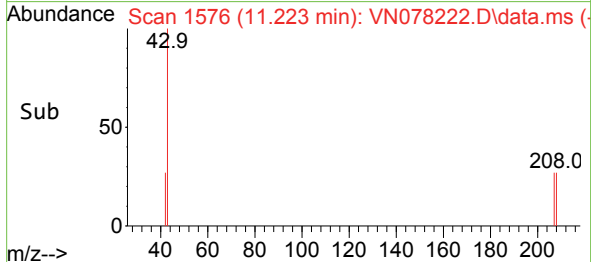
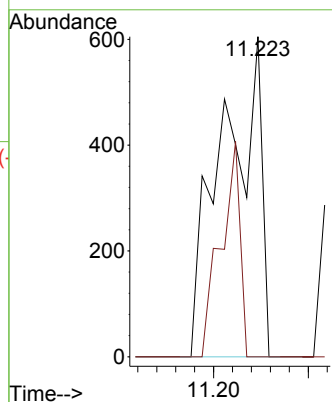
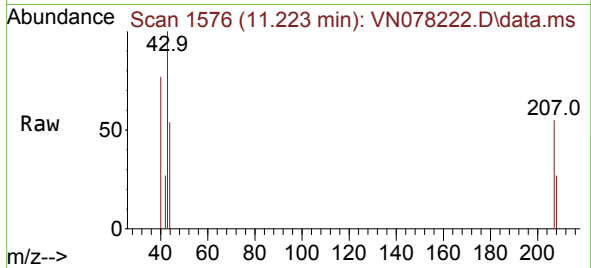




#59
2-Hexanone
Concen: 0.209 ug/l
RT: 11.223 min Scan# 1576
Delta R.T. 0.023 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

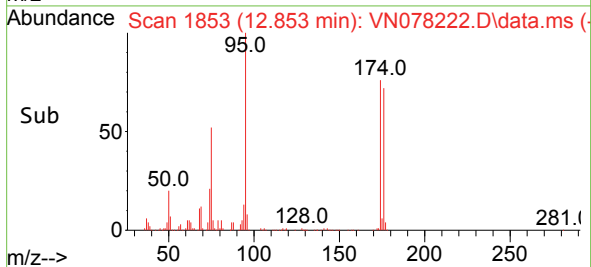
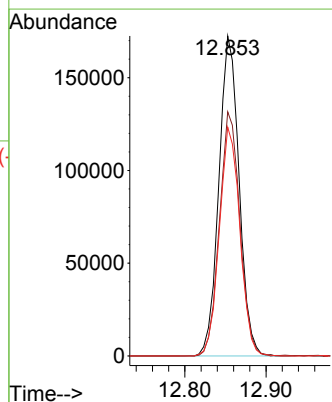
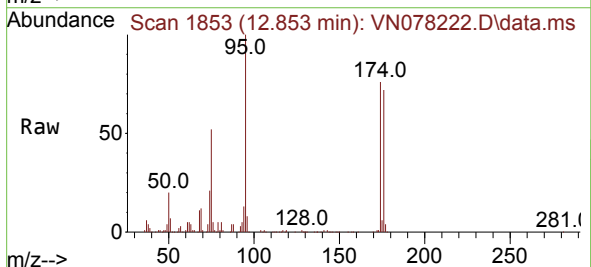
Instrument :
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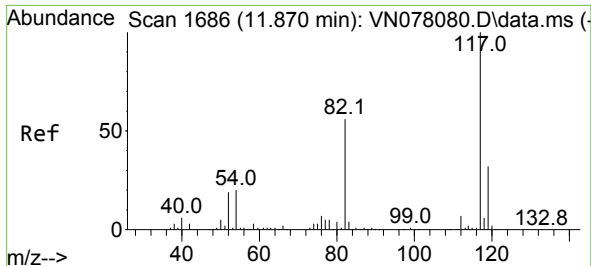
Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
58 33.6 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 47.869 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

Tgt Ion: 95 Resp: 298567
Ion Ratio Lower Upper
95 100
174 77.2 0.0 143.8
176 72.6 0.0 135.8

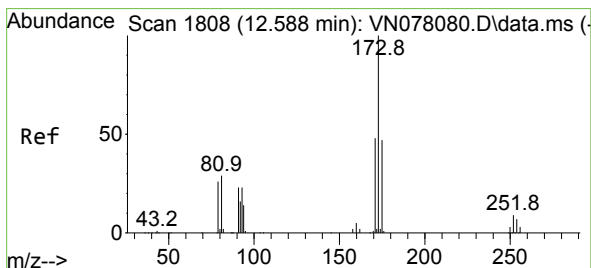
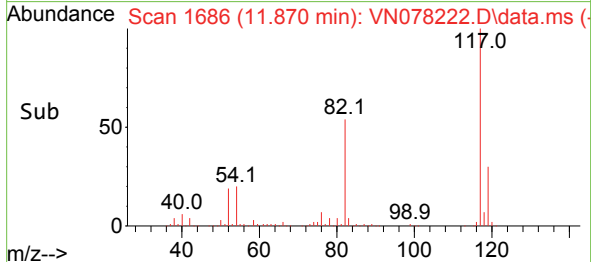
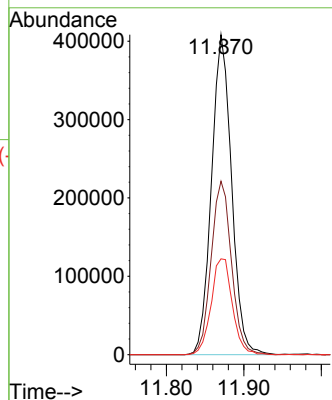
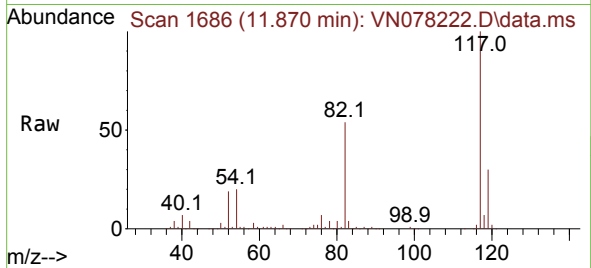




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

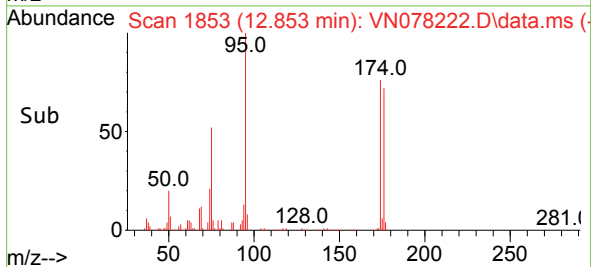
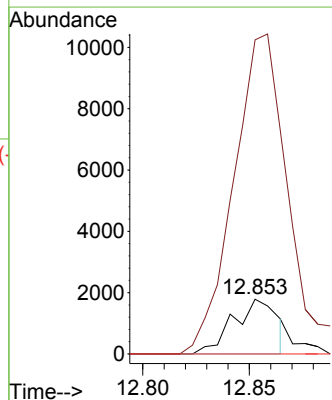
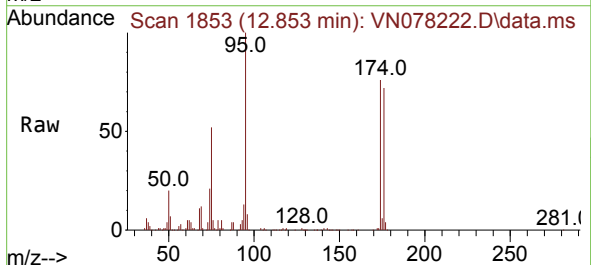
Instrument :
MSVOA_N
ClientSampleId :
VN0615WBL01

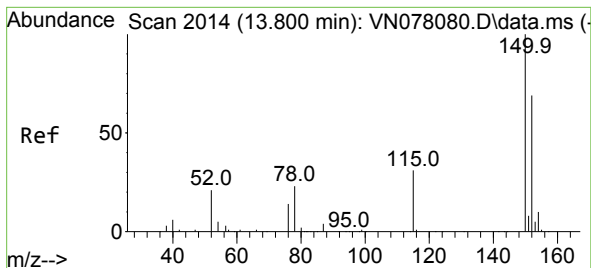
Tgt Ion:117 Resp: 735060
Ion Ratio Lower Upper
117 100
82 54.2 44.0 66.0
119 30.0 25.6 38.4



#71
Bromoform
Concen: 0.690 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.265 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

Tgt Ion:173 Resp: 2577
Ion Ratio Lower Upper
173 100
175 605.0 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: VN078222.D

Acq: 15 Jun 2023 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0615WBL01

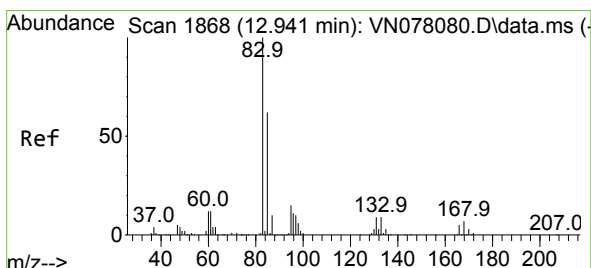
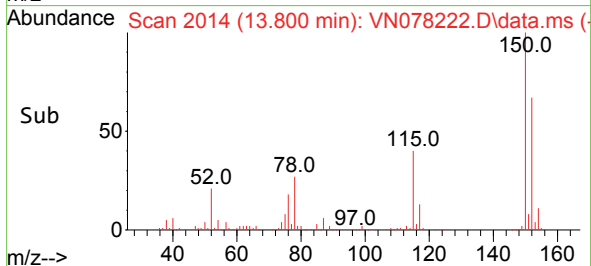
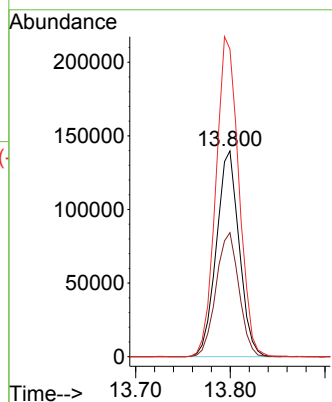
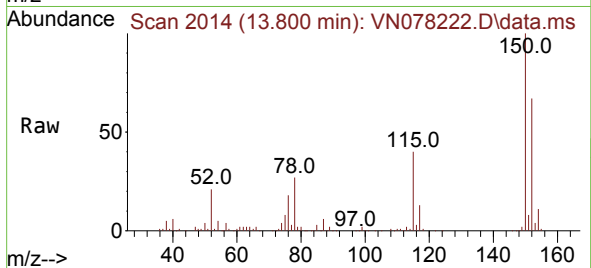
Tgt Ion:152 Resp: 233721

Ion Ratio Lower Upper

152 100

115 60.8 32.3 96.8

150 156.6 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN078222.D

Acq: 15 Jun 2023 12:32

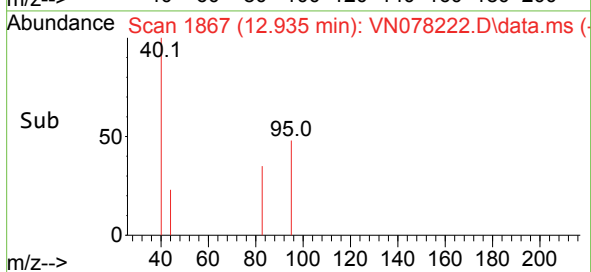
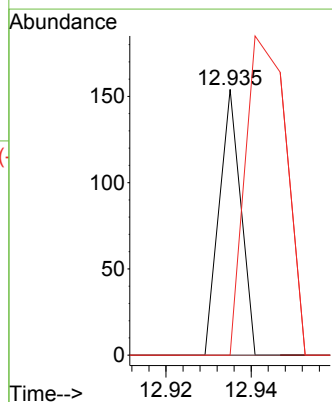
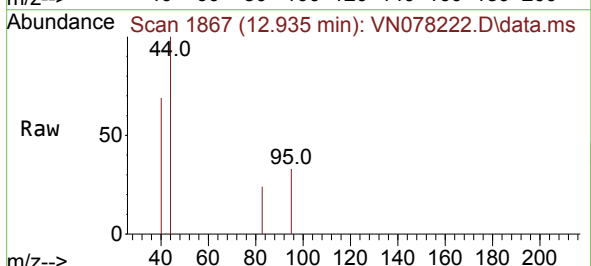
Tgt Ion: 83 Resp: 54

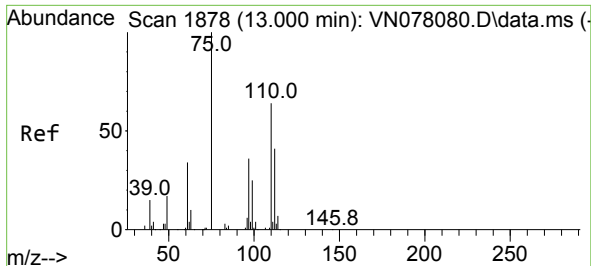
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 227.8 31.9 95.7#

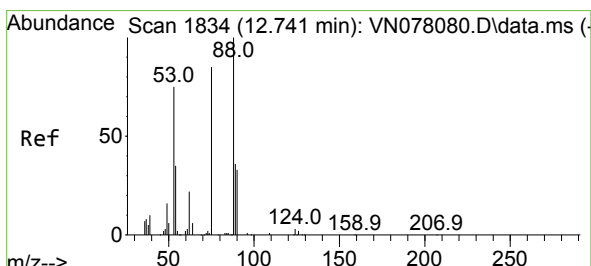
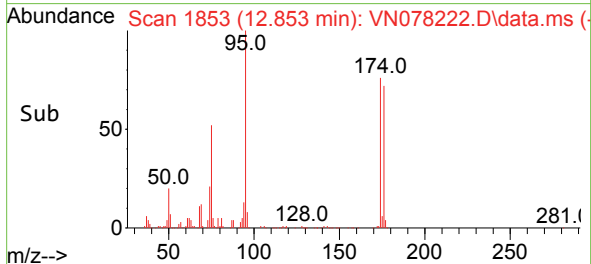
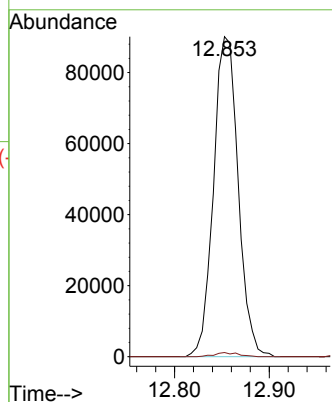
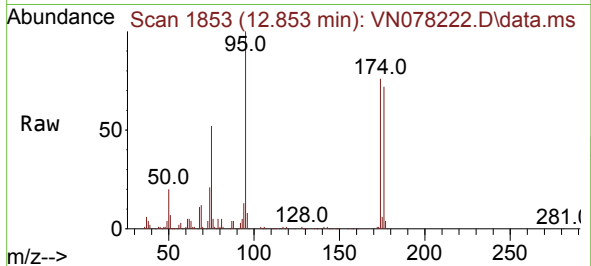




#76
1,2,3-Trichloropropane
Concen: 29.529 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

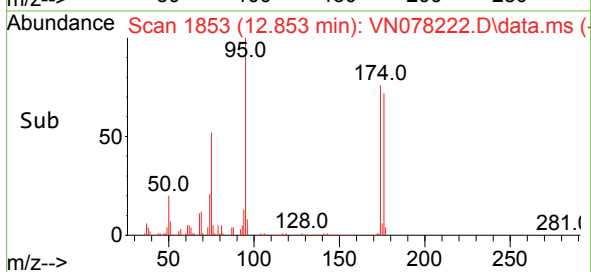
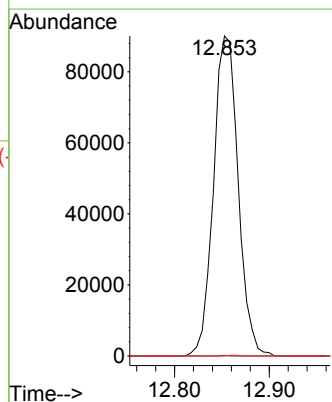
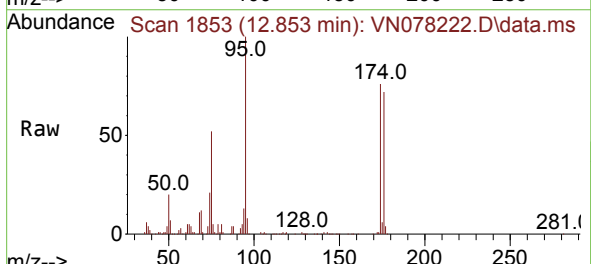
Instrument :
MSVOA_N
ClientSampleId :
VN0615WBL01

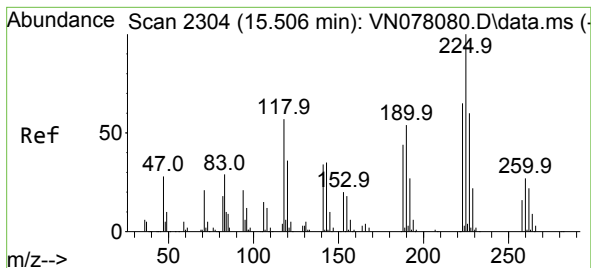
Tgt Ion: 75 Resp: 163156
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.723 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078222.D
Acq: 15 Jun 2023 12:32

Tgt Ion: 75 Resp: 163156
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: 15.505 min Scan# 21

Delta R.T. -0.001 min

Lab File: VN078222.D

Acq: 15 Jun 2023 12:32

Instrument :

MSVOA_N

ClientSampleId :

VN0615WBL01

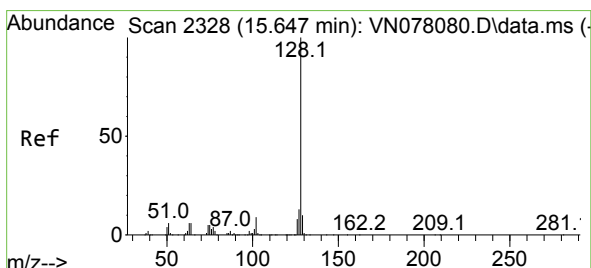
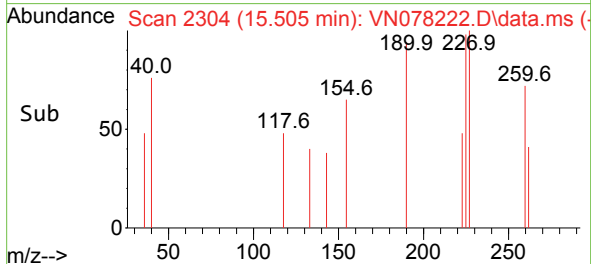
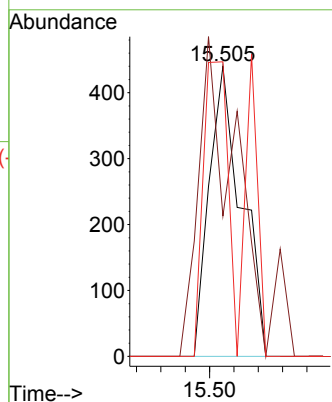
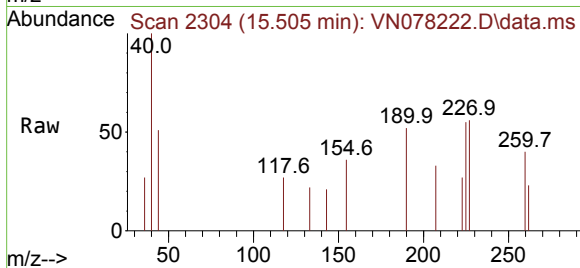
Tgt Ion:225 Resp: 404

Ion Ratio Lower Upper

225 100

223 138.1 31.3 93.8#

227 118.1 31.9 95.9#



#95

Naphthalene

Concen: 0.238 ug/l

RT: 15.653 min Scan# 2329

Delta R.T. 0.006 min

Lab File: VN078222.D

Acq: 15 Jun 2023 12:32

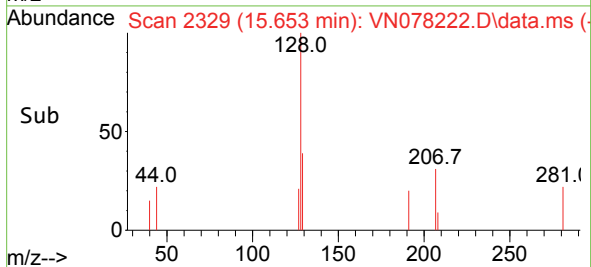
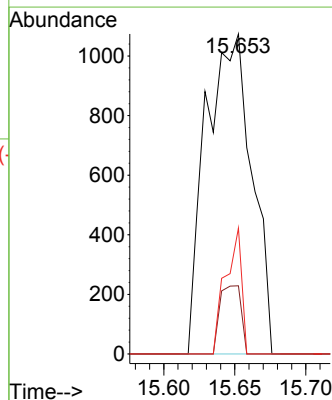
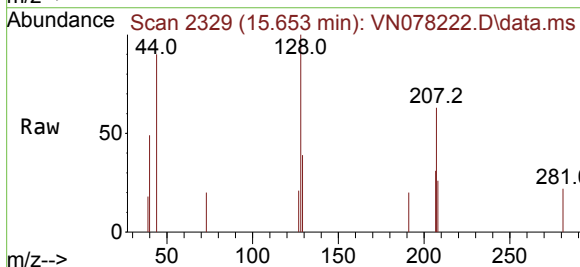
Tgt Ion:128 Resp: 2416

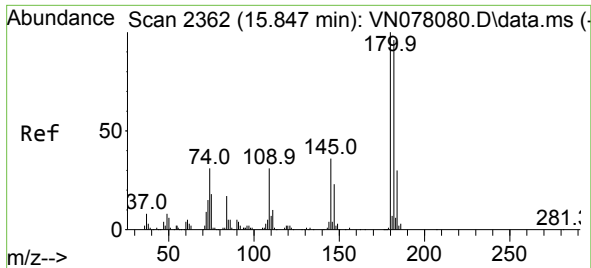
Ion Ratio Lower Upper

128 100

127 9.8 10.0 15.0#

129 13.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.208 ug/l
 RT: 15.852 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN078222.D
 Acq: 15 Jun 2023 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0615WBL01

Tgt Ion:	180	Resp:	703
Ion	Ratio	Lower	Upper
180	100		
182	103.4	46.2	138.6
145	30.9	17.5	52.6

