

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076952.D
 Acq On : 13 Mar 2023 11:08
 Operator : JC\MD
 Sample : VN0313WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBL01

Quant Time: Mar 14 06:58:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

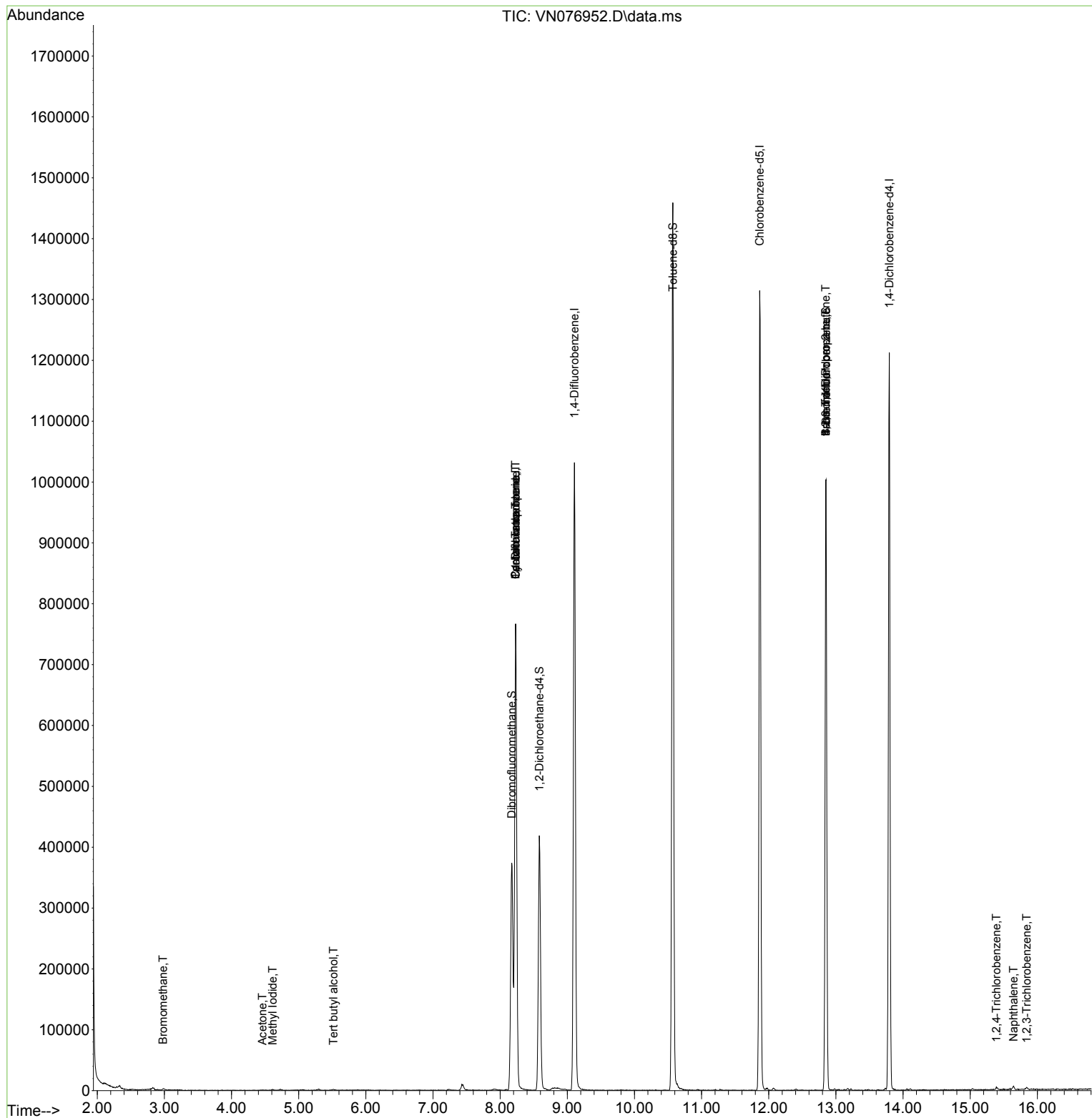
Internal Standards						
1) Pentafluorobenzene	8.231	168	536670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	893115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	766033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	318273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	353599	44.152	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.300%
35) Dibromofluoromethane	8.172	113	275819	46.338	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.680%
50) Toluene-d8	10.572	98	1038584	47.344	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.680%
62) 4-Bromofluorobenzene	12.854	95	367832	45.842	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.680%
Target Compounds						
					Qvalue	
5) Bromomethane	2.978	94	1449	0.406	ug/l	97
10) Methyl Iodide	4.613	142	1819	0.270	ug/l #	65
11) Tert butyl alcohol	5.519	59	675	0.606	ug/l #	72
16) Acetone	4.460	43	1052	0.379	ug/l #	40
31) Cyclohexane	8.231	56	11389	0.991	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	44870	4.874	ug/l #	48
38) Carbon Tetrachloride	8.231	117	60954	5.657	ug/l #	16
71) Bromoform	12.848	173	1105	0.228	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	198668	25.746	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	198668	84.101	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.389	180	1597	0.248	ug/l	97
95) Naphthalene	15.648	128	5604	0.292	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.842	180	1472	0.235	ug/l	97

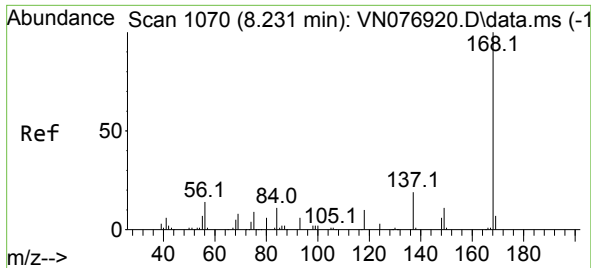
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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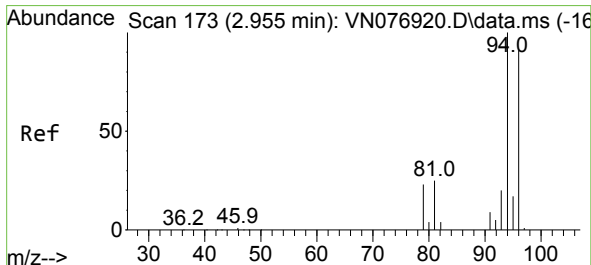
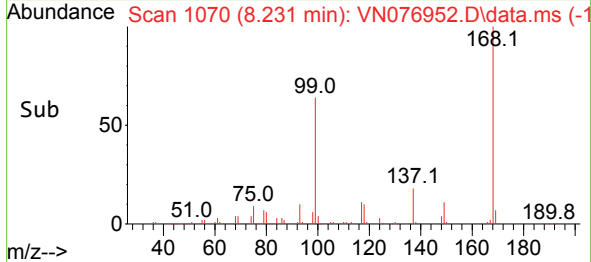
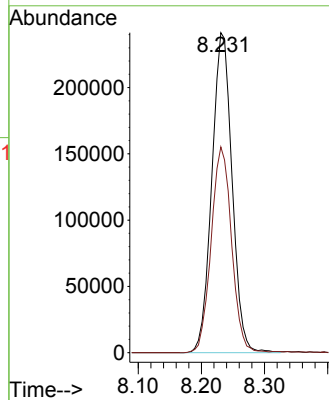
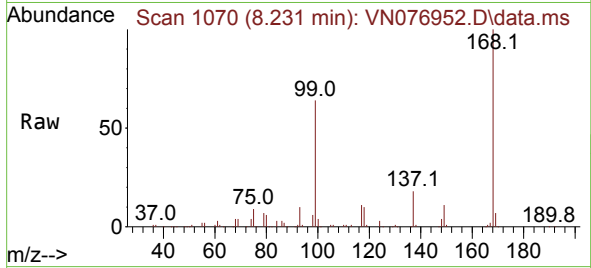




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

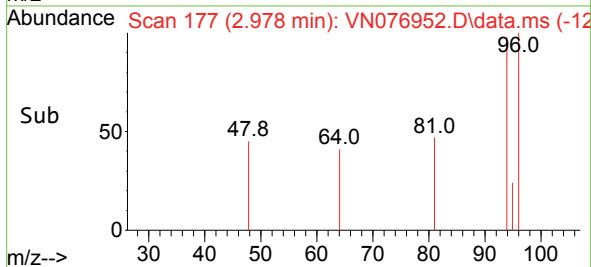
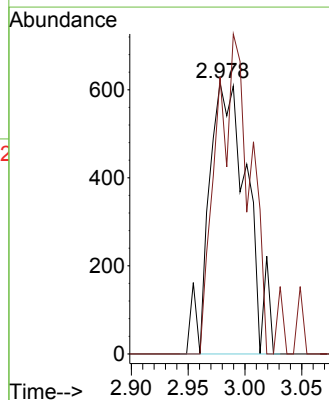
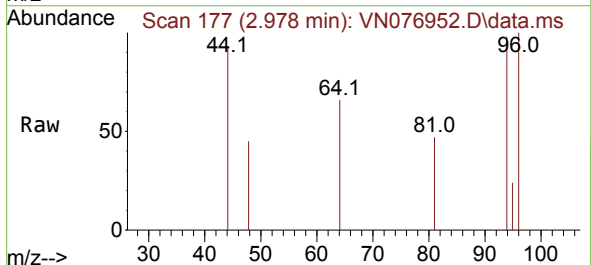
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBL01

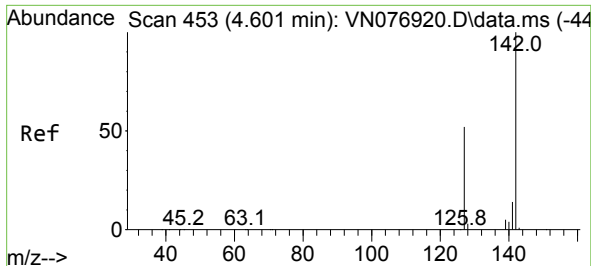
Tgt Ion:168 Resp: 536670
Ion Ratio Lower Upper
168 100
99 64.3 48.6 73.0



#5
Bromomethane
Concen: 0.406 ug/l
RT: 2.978 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

Tgt Ion: 94 Resp: 1449
Ion Ratio Lower Upper
94 100
96 102.3 79.0 118.6

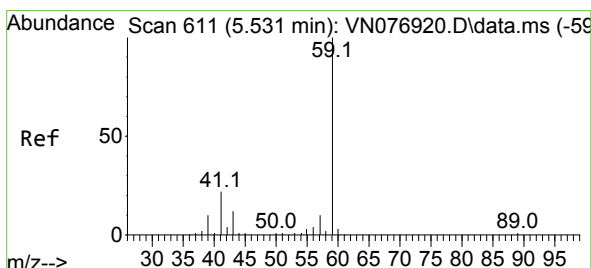
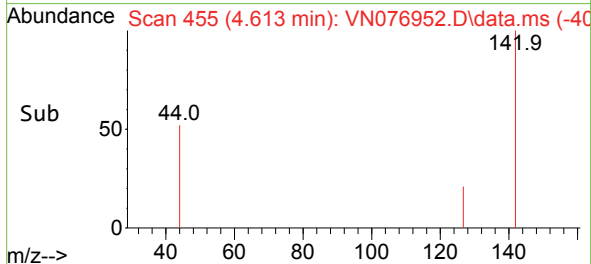
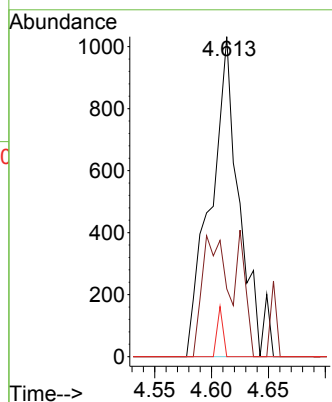
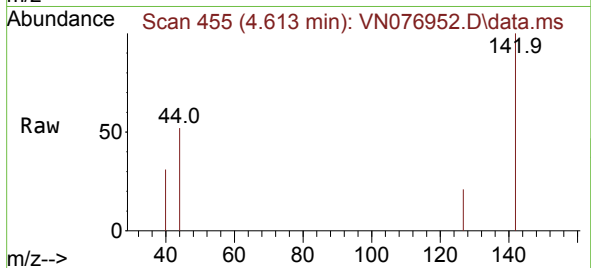




#10
Methyl Iodide
Concen: 0.270 ug/l
RT: 4.613 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

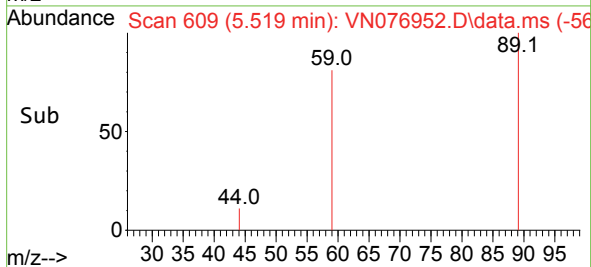
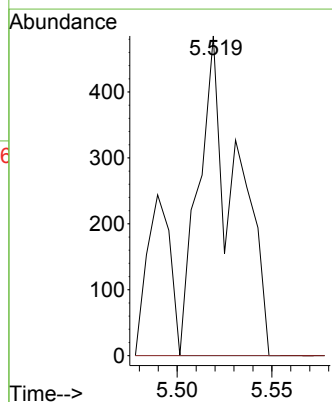
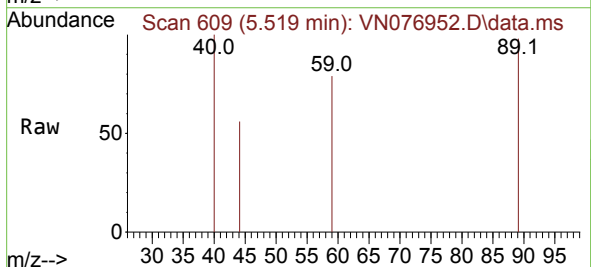
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBL01

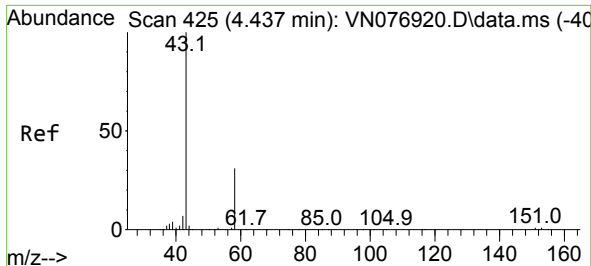
Tgt Ion:142 Resp: 1819
Ion Ratio Lower Upper
142 100
127 21.2 35.2 52.8#
141 0.0 10.2 15.2#



#11
Tert butyl alcohol
Concen: 0.606 ug/l
RT: 5.519 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

Tgt Ion: 59 Resp: 675
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

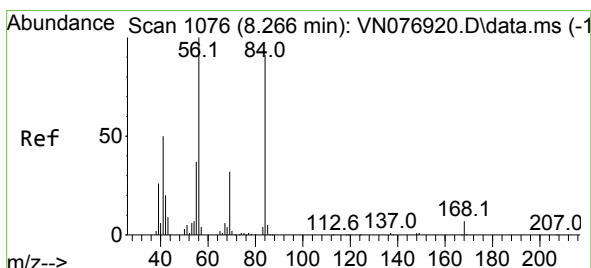
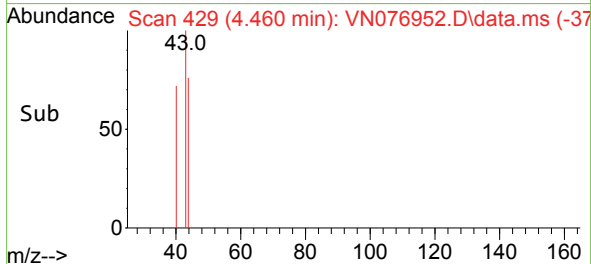
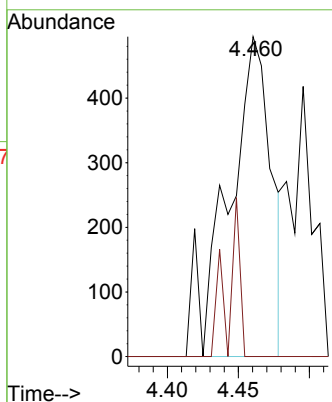
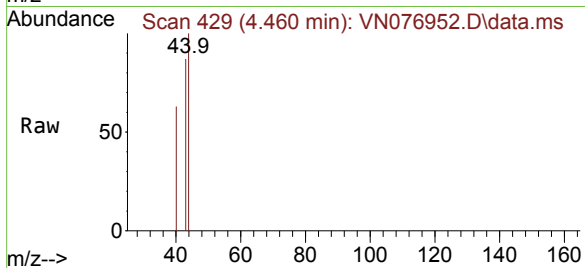




#16
Acetone
Concen: 0.379 ug/l
RT: 4.460 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

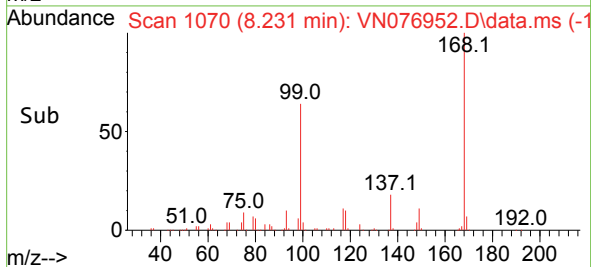
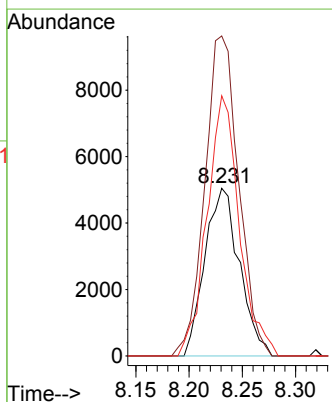
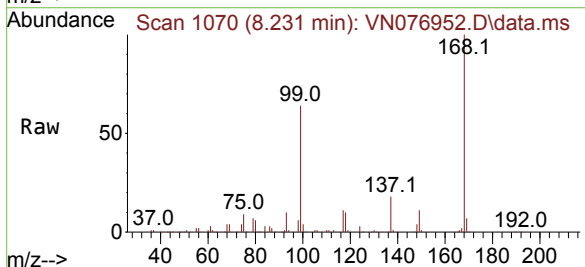
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBL01

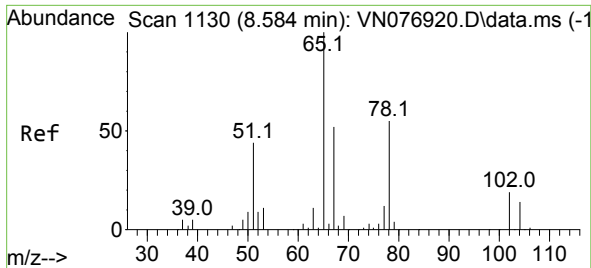
Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#31
Cyclohexane
Concen: 0.991 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.035 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

Tgt Ion: 56 Resp: 11389
Ion Ratio Lower Upper
56 100
69 190.8 27.0 40.6#
84 155.1 82.9 124.3#

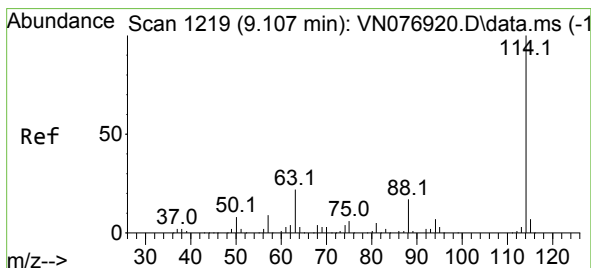
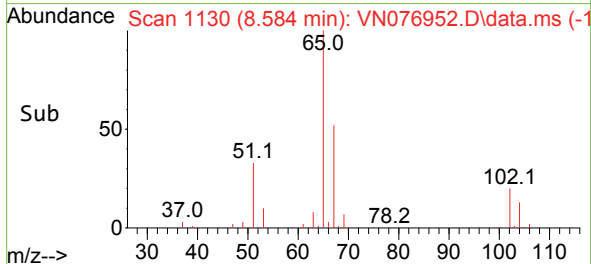
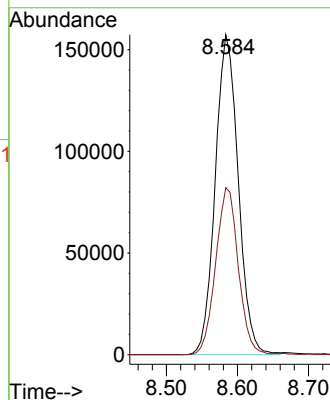
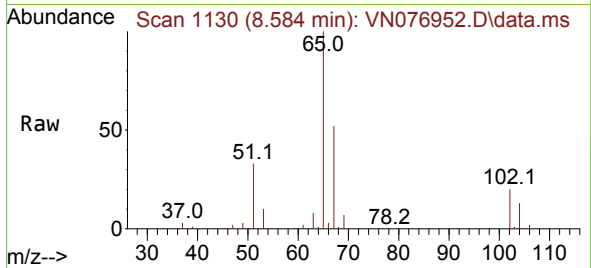




#33
 1,2-Dichloroethane-d4
 Concen: 44.152 ug/l
 RT: 8.584 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VN076952.D
 Acq: 13 Mar 2023 11:08

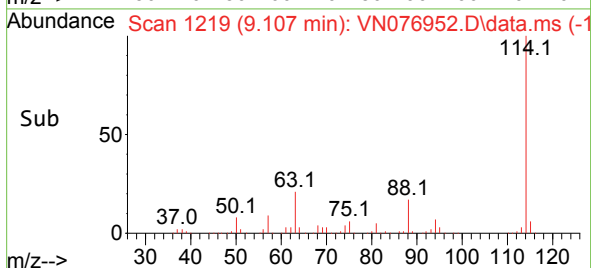
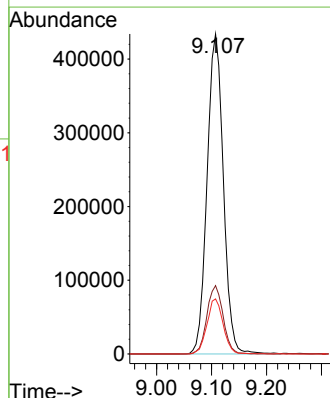
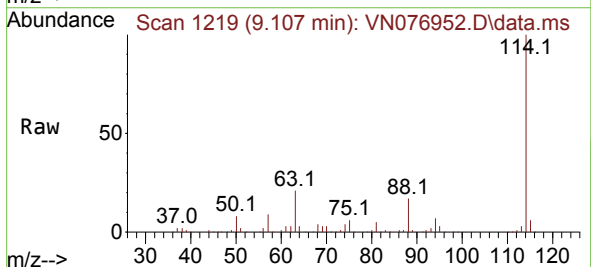
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBL01

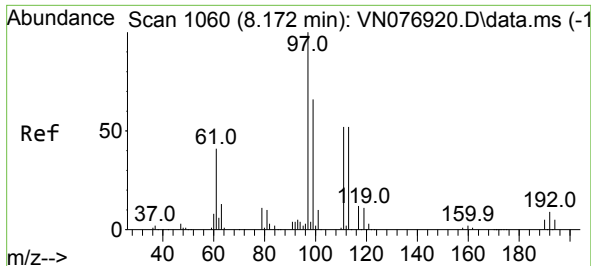
Tgt Ion: 65 Resp: 353599
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN076952.D
 Acq: 13 Mar 2023 11:08

Tgt Ion:114 Resp: 893115
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 36.6
 88 17.2 0.0 28.6

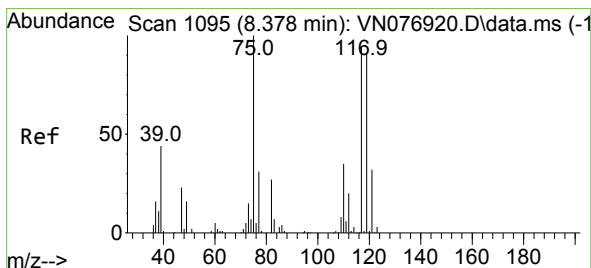
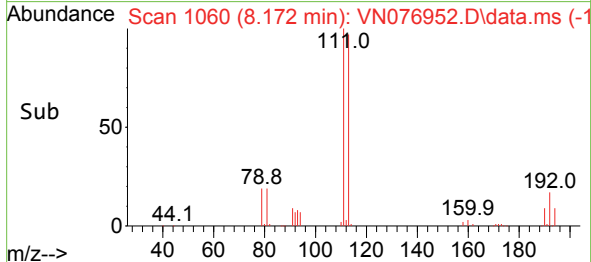
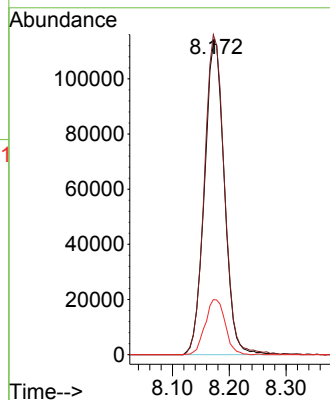
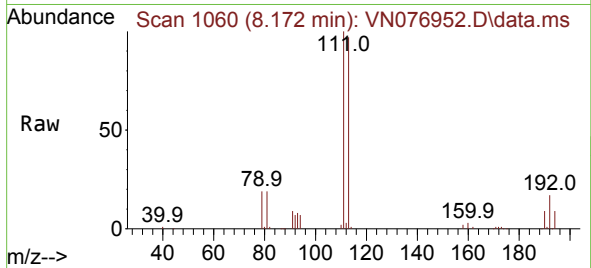




#35
Dibromofluoromethane
Concen: 46.338 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

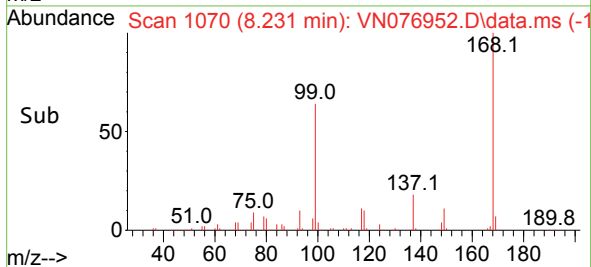
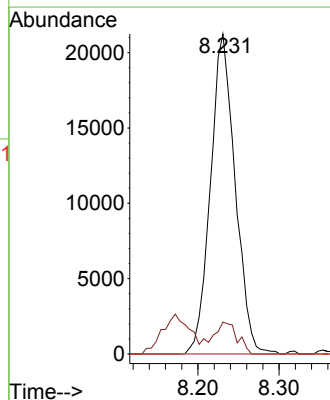
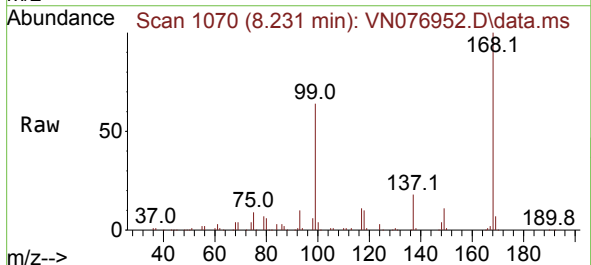
Instrument :
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ClientSampleId :
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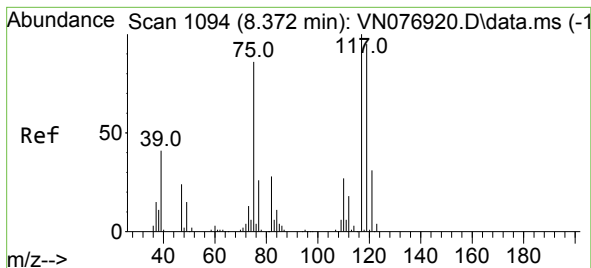
Tgt Ion:113 Resp: 275819
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 17.7 13.9 20.9



#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

Tgt Ion: 75 Resp: 44870
Ion Ratio Lower Upper
75 100
110 8.7 18.9 56.9#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.657 ug/l

RT: 8.231 min Scan# 1094

Delta R.T. -0.141 min

Lab File: VN076952.D

Acq: 13 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBL01

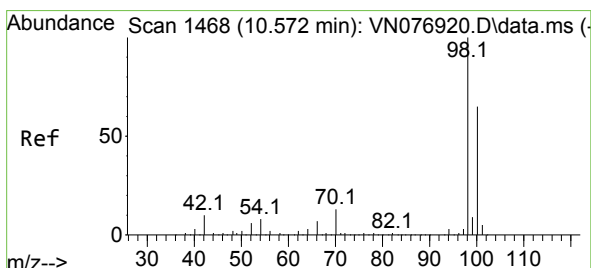
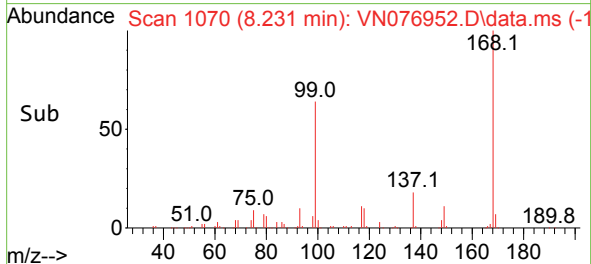
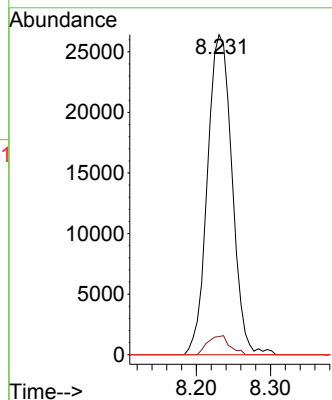
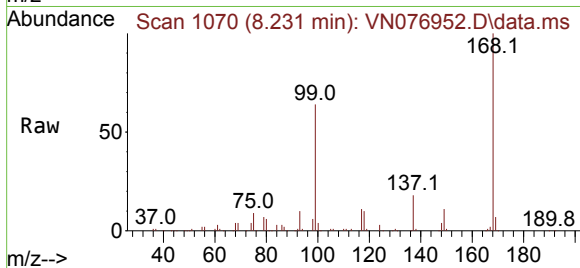
Tgt Ion:117 Resp: 60954

Ion Ratio Lower Upper

117 100

119 5.6 76.9 115.3#

121 0.0 23.2 34.8#



#50

Toluene-d8

Concen: 47.344 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN076952.D

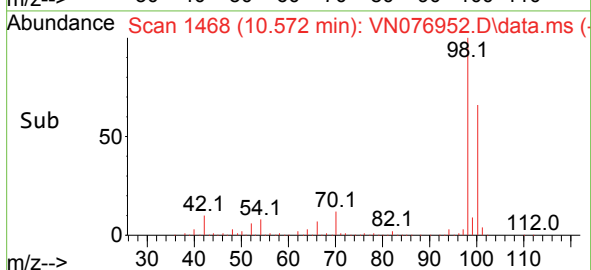
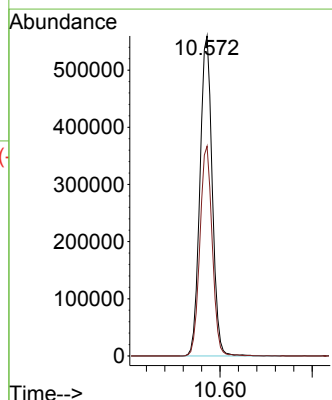
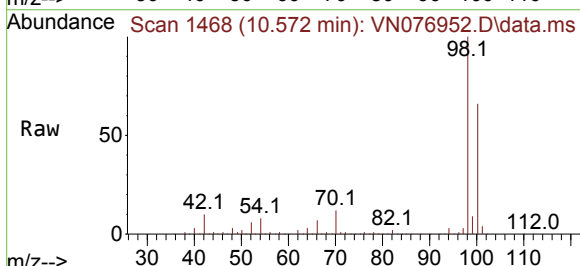
Acq: 13 Mar 2023 11:08

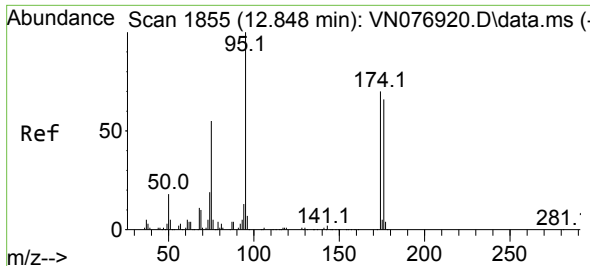
Tgt Ion: 98 Resp: 1038584

Ion Ratio Lower Upper

98 100

100 65.8 52.8 79.2

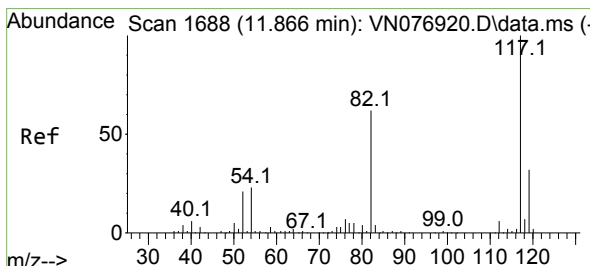
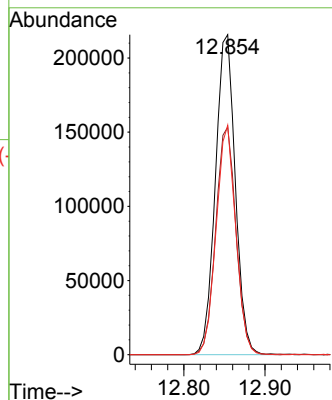
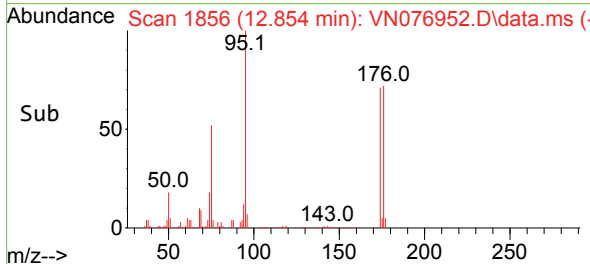
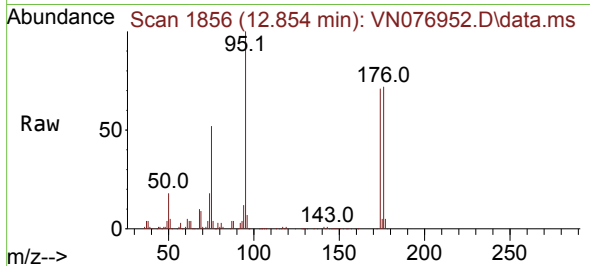




#62
4-Bromofluorobenzene
Concen: 45.842 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

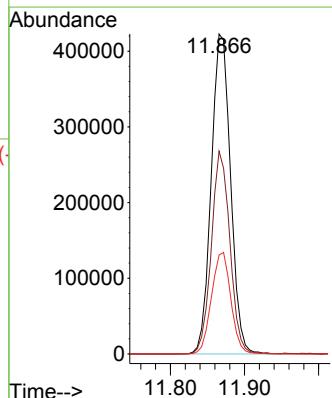
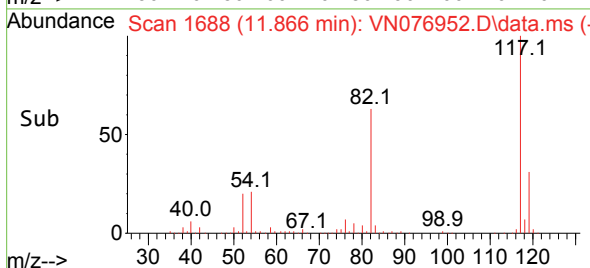
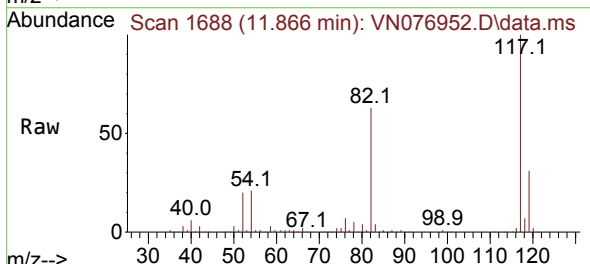
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBL01

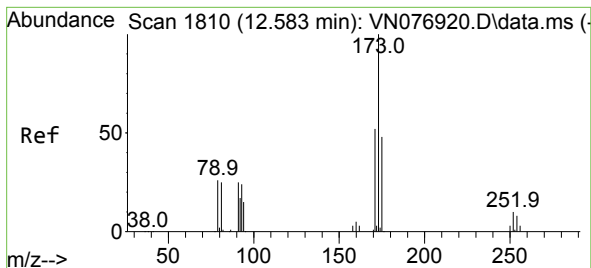
Tgt Ion: 95 Resp: 367832
Ion Ratio Lower Upper
95 100
174 72.4 0.0 162.4
176 70.5 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

Tgt Ion: 117 Resp: 766033
Ion Ratio Lower Upper
117 100
82 63.3 43.5 65.3
119 30.9 25.5 38.3





#71

Bromoform

Concen: 0.228 ug/l

RT: 12.848 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN076952.D

Acq: 13 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBL01

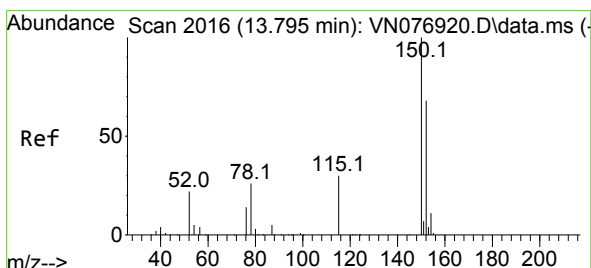
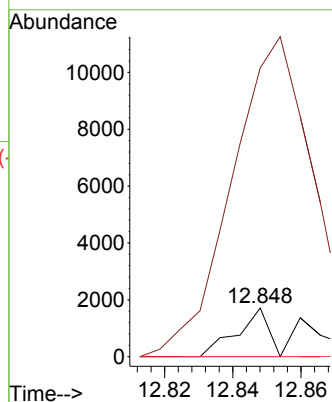
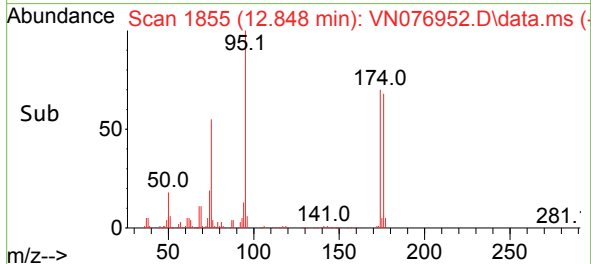
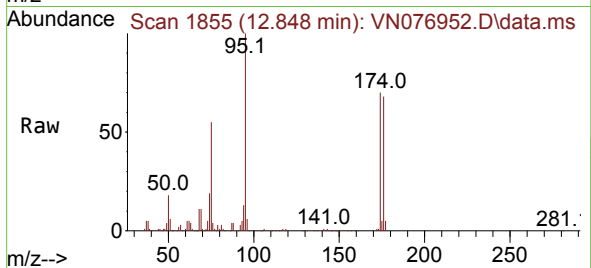
Tgt Ion:173 Resp: 1105

Ion Ratio Lower Upper

173 100

175 1425.7 24.9 74.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN076952.D

Acq: 13 Mar 2023 11:08

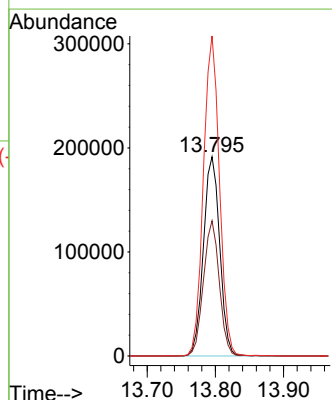
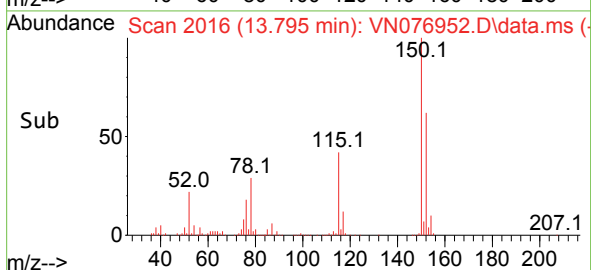
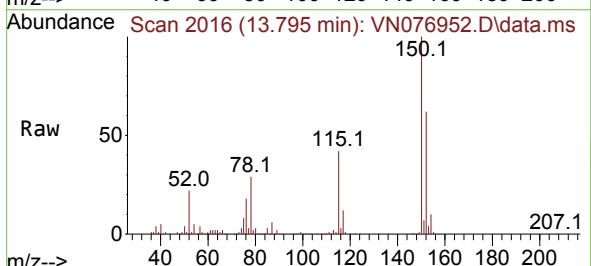
Tgt Ion:152 Resp: 318273

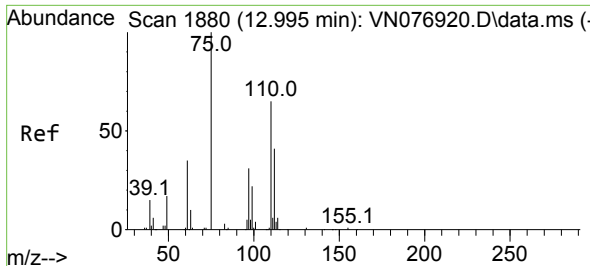
Ion Ratio Lower Upper

152 100

115 66.1 30.3 90.9

150 158.3 0.0 353.6

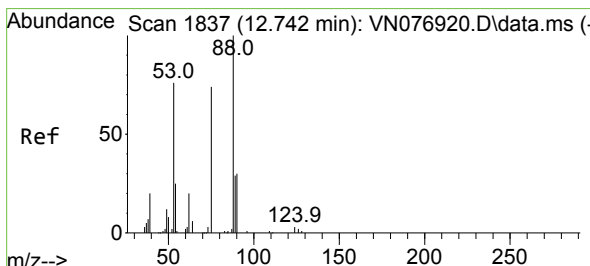
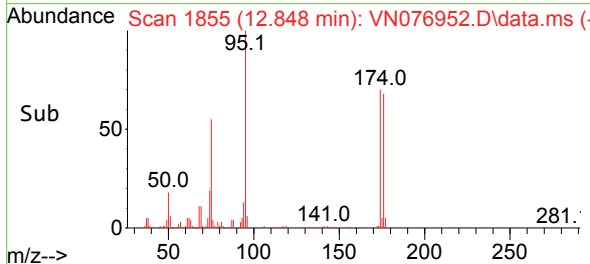
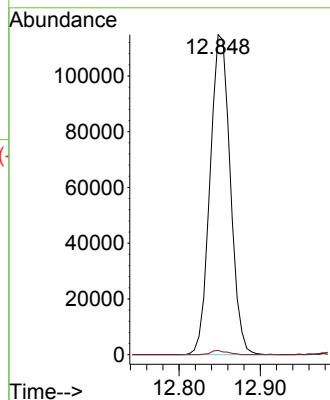
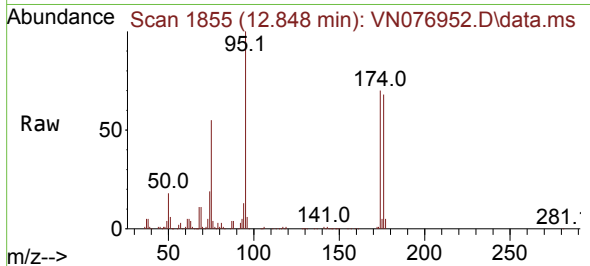




#76
1,2,3-Trichloropropane
Concen: 25.746 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

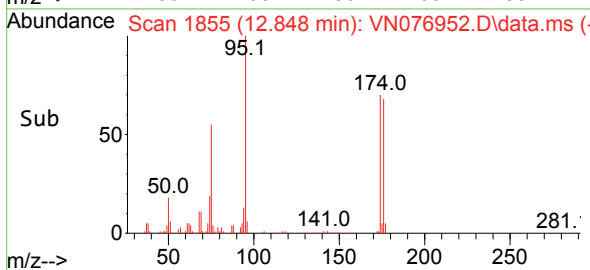
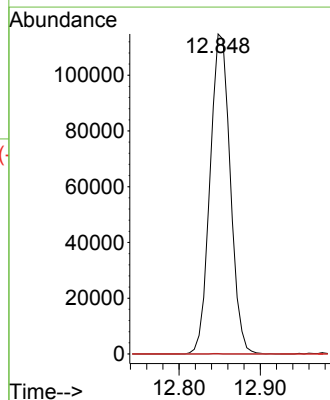
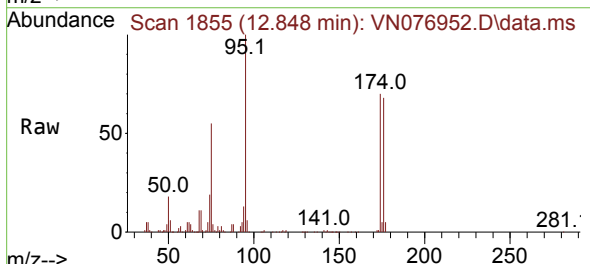
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBL01

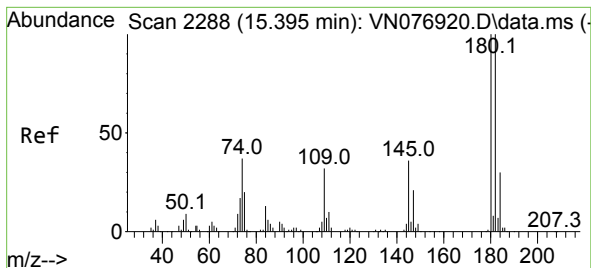
Tgt Ion: 75 Resp: 198668
Ion Ratio Lower Upper
75 100
77 1.1 93.8 281.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.101 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.106 min
Lab File: VN076952.D
Acq: 13 Mar 2023 11:08

Tgt Ion: 75 Resp: 198668
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.0#
89 0.0 39.5 59.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.248 ug/l

RT: 15.389 min Scan# 2287

Delta R.T. -0.006 min

Lab File: VN076952.D

Acq: 13 Mar 2023 11:08

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBL01

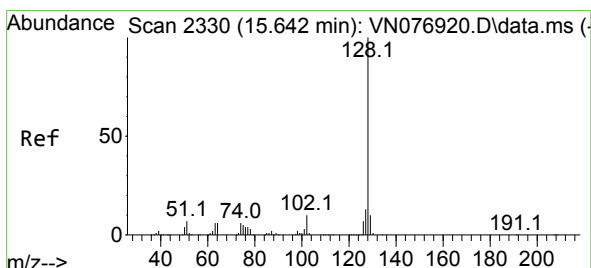
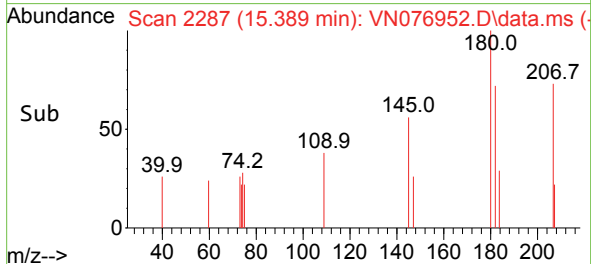
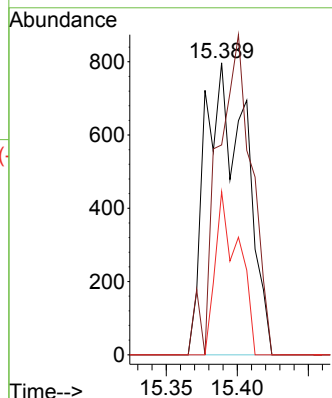
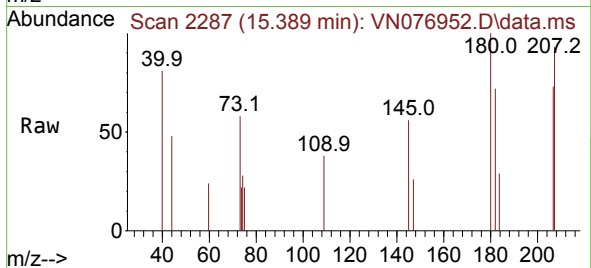
Tgt Ion:180 Resp: 1597

Ion Ratio Lower Upper

180 100

182 91.7 47.4 142.2

145 32.0 15.8 47.3



#95

Naphthalene

Concen: 0.292 ug/l

RT: 15.648 min Scan# 2331

Delta R.T. 0.006 min

Lab File: VN076952.D

Acq: 13 Mar 2023 11:08

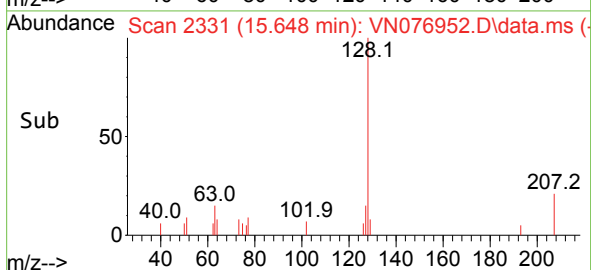
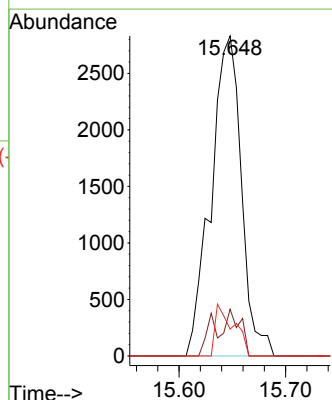
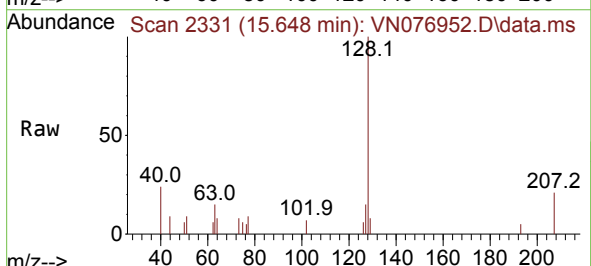
Tgt Ion:128 Resp: 5604

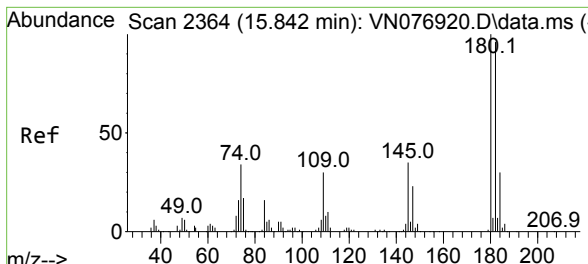
Ion Ratio Lower Upper

128 100

127 7.5 10.2 15.4#

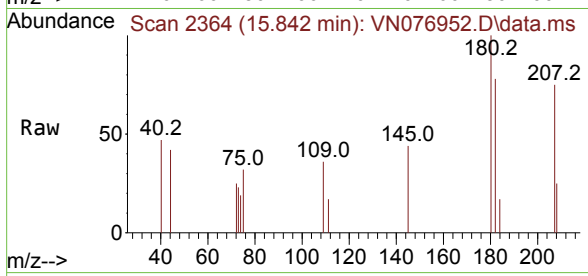
129 0.0 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.235 ug/l
 RT: 15.842 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076952.D
 Acq: 13 Mar 2023 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBL01



Tgt Ion:180 Resp: 1472

Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.7	143.1
145	37.0	17.0	51.0

