

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011223\
 Data File : VN076224.D
 Acq On : 12 Jan 2023 12:39
 Operator : JC\MD
 Sample : 01126-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01-011023

Quant Time: Jan 13 01:57:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

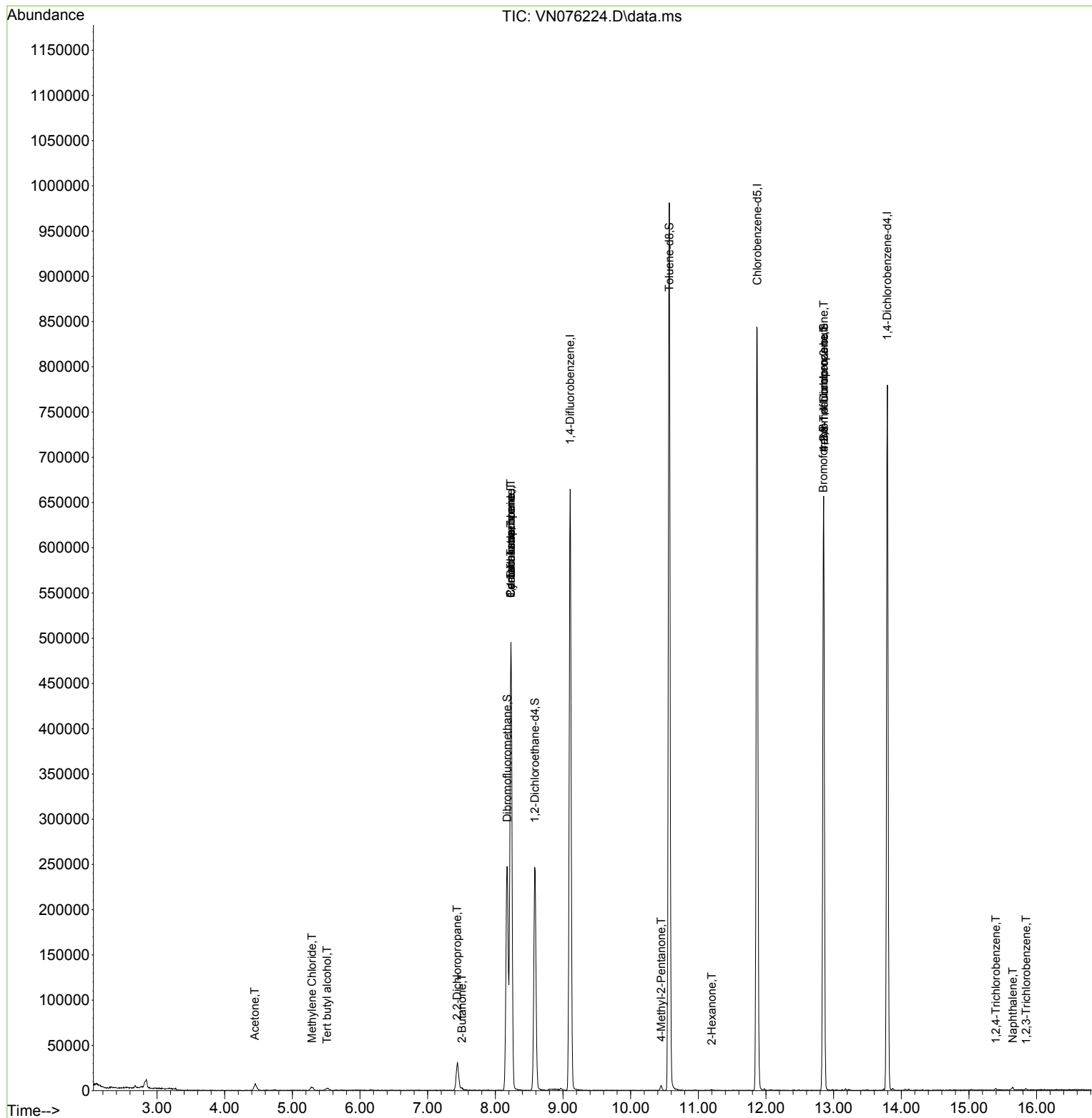
Internal Standards						
1) Pentafluorobenzene	8.230	168	386725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	605049	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	532545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202109	48.039	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.080%		
35) Dibromofluoromethane	8.177	113	180988	48.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.600%		
50) Toluene-d8	10.571	98	689549	49.220	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.440%		
62) 4-Bromofluorobenzene	12.853	95	217122	46.792	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.580%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	1447	2.431	ug/l #	72
16) Acetone	4.447	43	13476	9.292	ug/l #	83
20) Methylene Chloride	5.289	84	3338	0.223	ug/l #	79
25) 2-Butanone	7.506	43	3130	1.541	ug/l #	82
26) 2,2-Dichloropropane	7.436	77	2030	0.369	ug/l #	50
31) Cyclohexane	8.230	56	7700	1.278	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	27290	5.483	ug/l #	50
38) Carbon Tetrachloride	8.230	117	37144	6.667	ug/l #	17
51) 4-Methyl-2-Pentanone	10.453	43	3626	0.909	ug/l	88
59) 2-Hexanone	11.200	43	701	0.241	ug/l	80
71) Bromoform	12.847	173	1059	0.359	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	111329	25.204	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111329	90.722	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.400	180	836	0.232	ug/l #	80
95) Naphthalene	15.647	128	3975	2.496	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.847	180	709	0.210	ug/l #	69

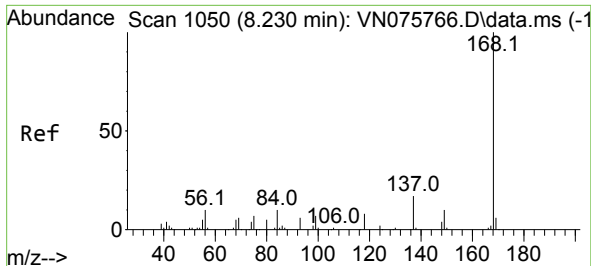
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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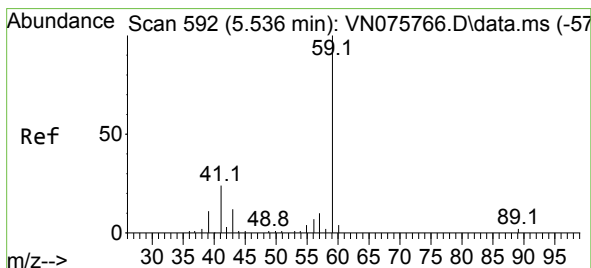
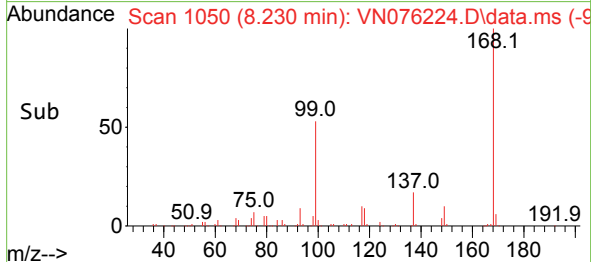
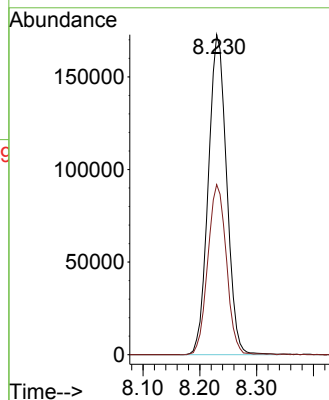
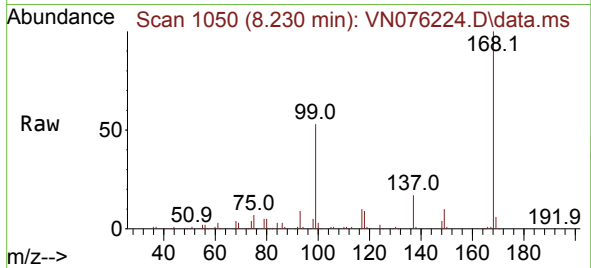




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

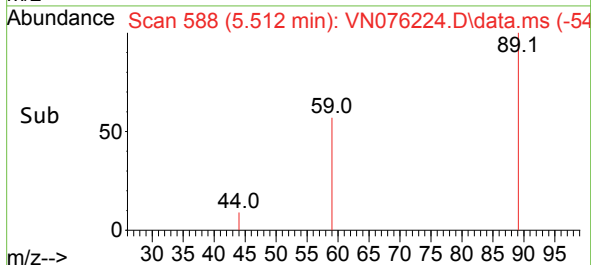
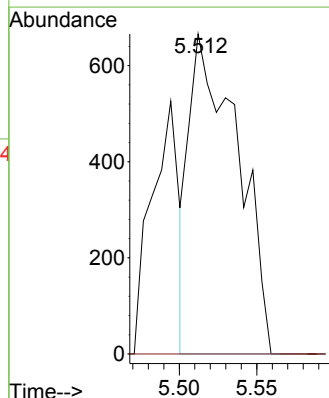
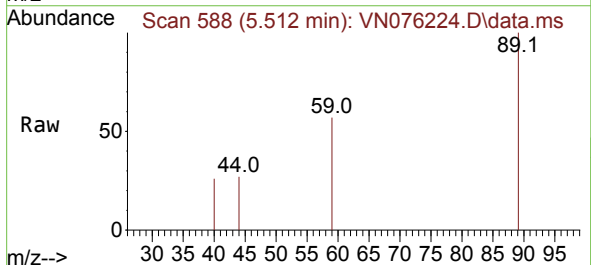
Instrument :
MSVOA_N
ClientSampleId :
EB-01-011023

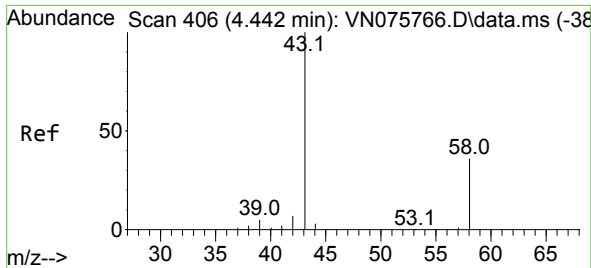
Tgt Ion:168 Resp: 386725
Ion Ratio Lower Upper
168 100
99 53.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.431 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.024 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

Tgt Ion: 59 Resp: 1447
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 9.292 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN076224.D

Acq: 12 Jan 2023 12:39

Instrument :

MSVOA_N

ClientSampleId :

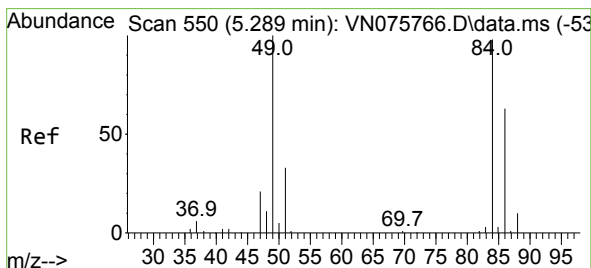
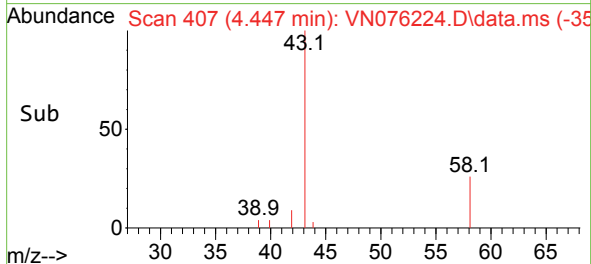
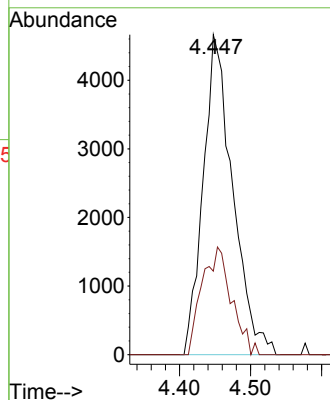
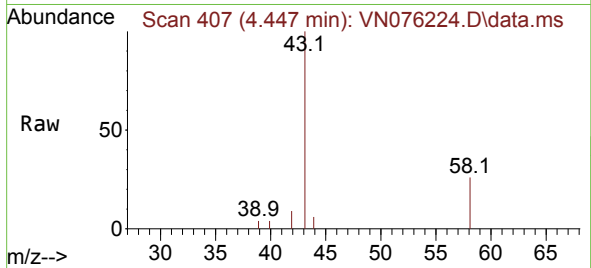
EB-01-011023

Tgt Ion: 43 Resp: 13476

Ion Ratio Lower Upper

43 100

58 26.1 28.6 43.0#



#20

Methylene Chloride

Concen: 0.223 ug/l

RT: 5.289 min Scan# 550

Delta R.T. -0.000 min

Lab File: VN076224.D

Acq: 12 Jan 2023 12:39

Tgt Ion: 84 Resp: 3338

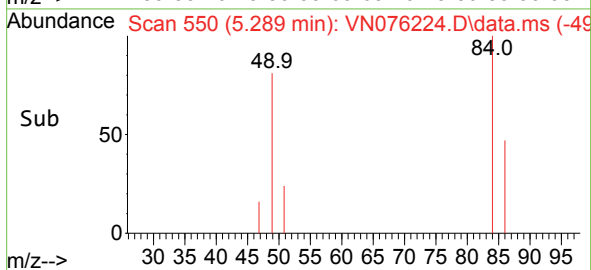
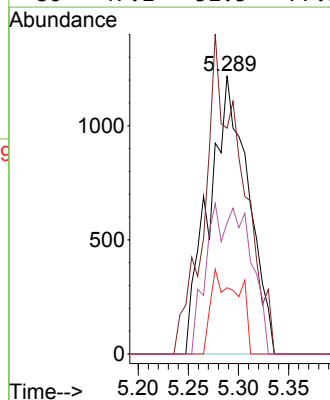
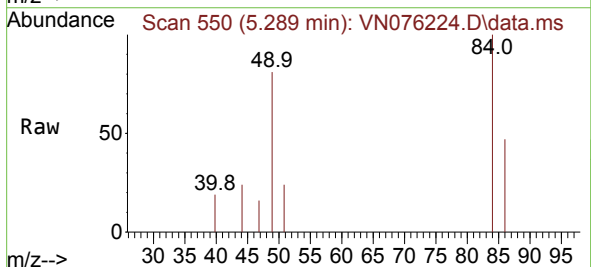
Ion Ratio Lower Upper

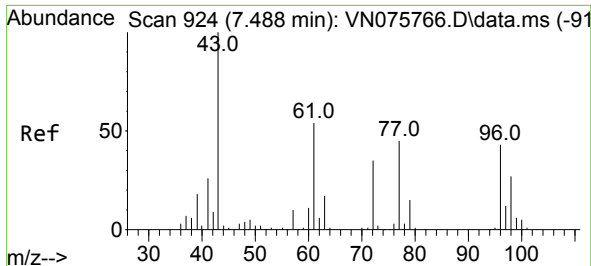
84 100

49 81.1 81.8 122.6#

51 23.8 26.7 40.1#

86 47.1 51.5 77.3#

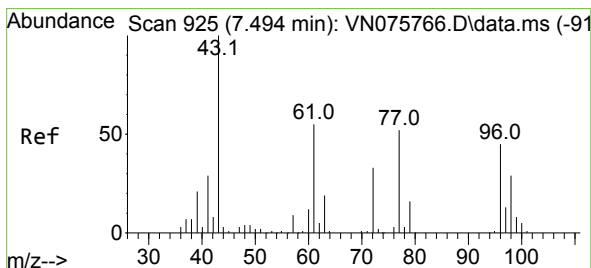
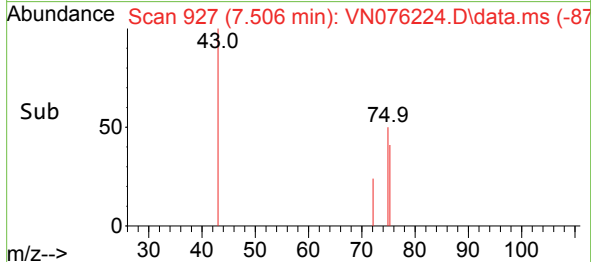
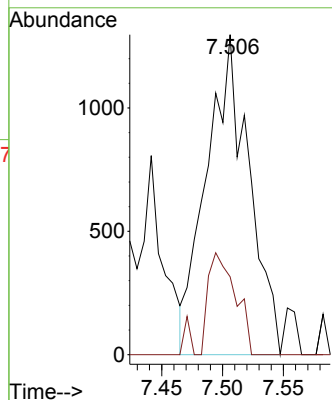
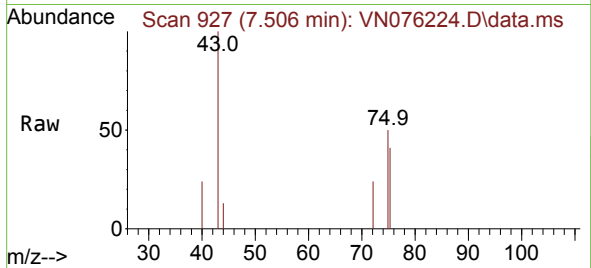




#25
2-Butanone
Concen: 1.541 ug/l
RT: 7.506 min Scan# 915
Delta R.T. 0.018 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

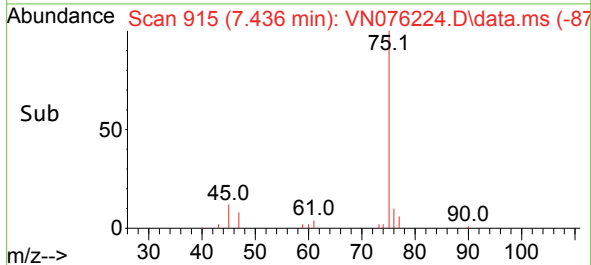
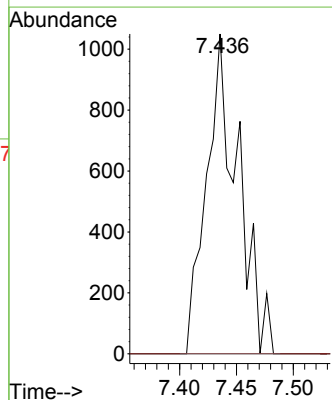
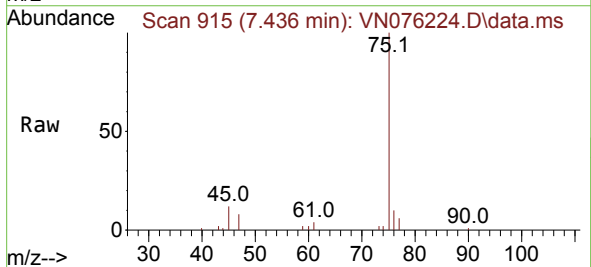
Instrument :
MSVOA_N
ClientSampleId :
EB-01-011023

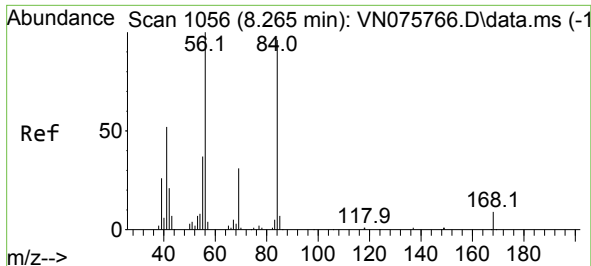
Tgt Ion: 43 Resp: 3130
Ion Ratio Lower Upper
43 100
72 24.4 28.0 42.0#



#26
2,2-Dichloropropane
Concen: 0.369 ug/l
RT: 7.436 min Scan# 915
Delta R.T. -0.059 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

Tgt Ion: 77 Resp: 2030
Ion Ratio Lower Upper
77 100
97 0.0 12.7 38.0#

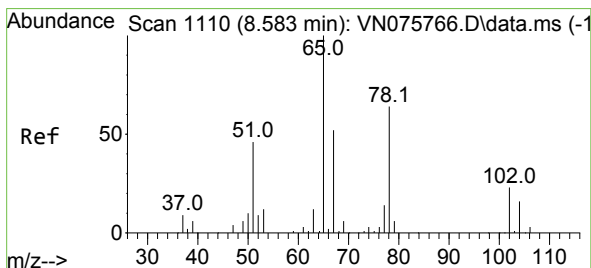
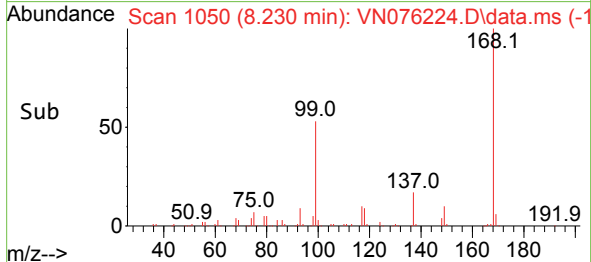
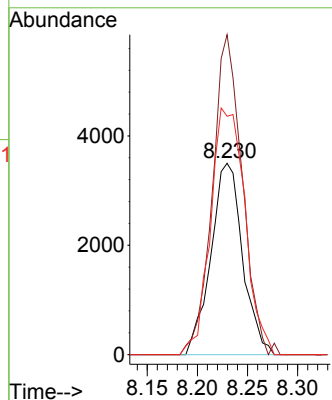
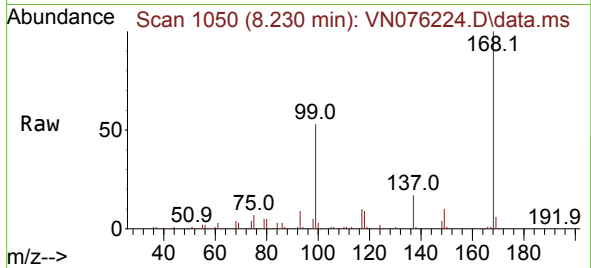




#31
Cyclohexane
Concen: 1.278 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

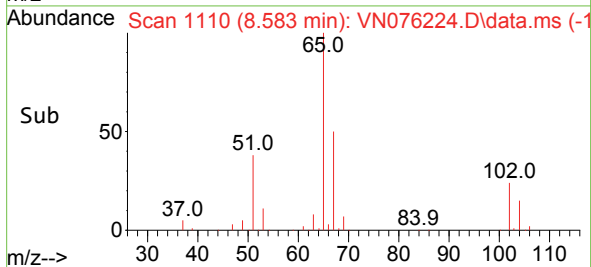
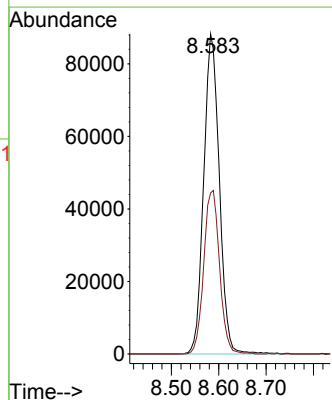
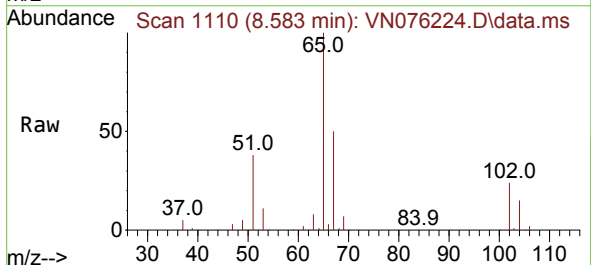
Instrument :
MSVOA_N
ClientSampleId :
EB-01-011023

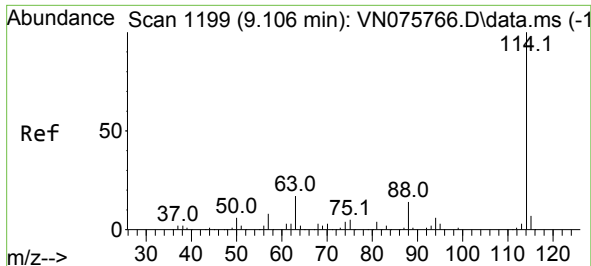
Tgt Ion: 56 Resp: 7700
Ion Ratio Lower Upper
56 100
69 167.2 24.7 37.1#
84 124.5 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 48.039 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

Tgt Ion: 65 Resp: 202109
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076224.D

Acq: 12 Jan 2023 12:39

Instrument :

MSVOA_N

ClientSampleId :

EB-01-011023

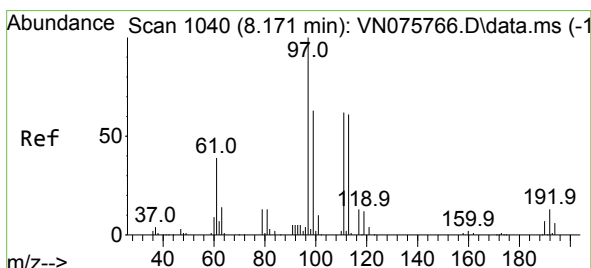
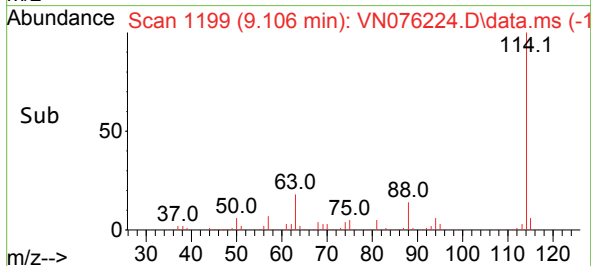
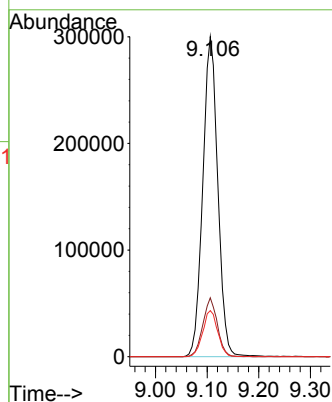
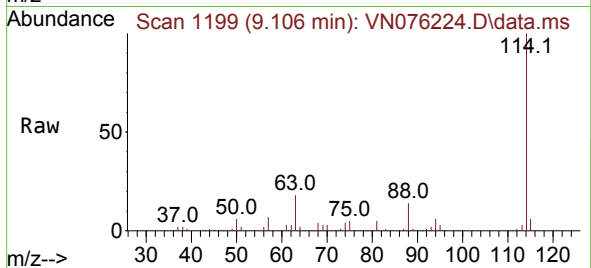
Tgt Ion:114 Resp: 605049

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.4

88 14.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.302 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076224.D

Acq: 12 Jan 2023 12:39

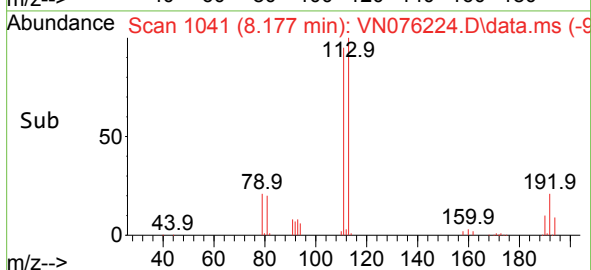
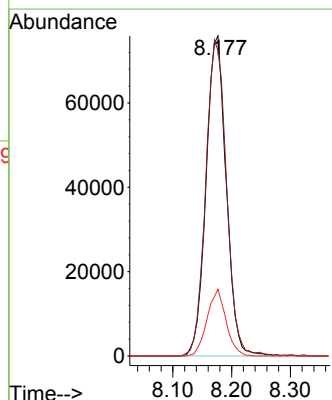
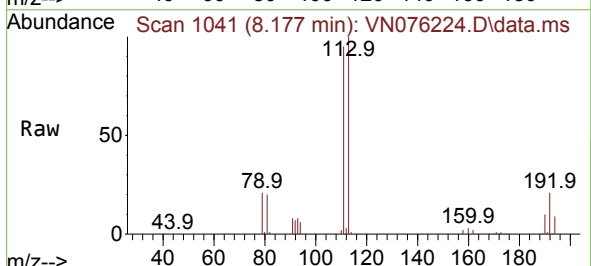
Tgt Ion:113 Resp: 180988

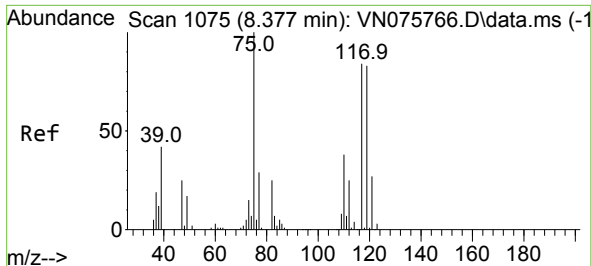
Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

192 19.6 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.483 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076224.D

Acq: 12 Jan 2023 12:39

Instrument :

MSVOA_N

ClientSampleId :

EB-01-011023

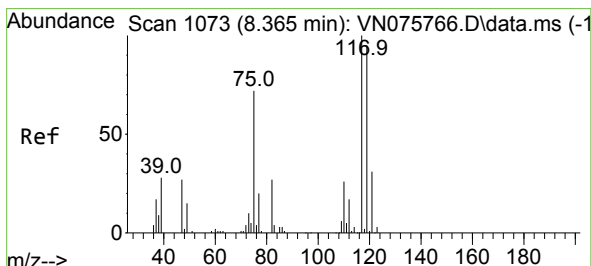
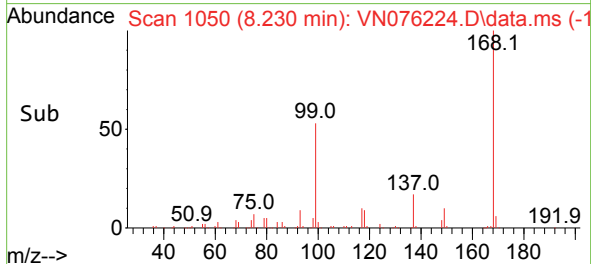
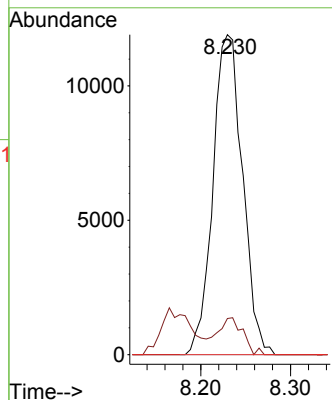
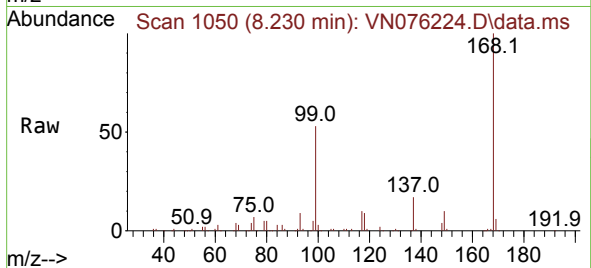
Tgt Ion: 75 Resp: 27290

Ion Ratio Lower Upper

75 100

110 10.0 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.667 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076224.D

Acq: 12 Jan 2023 12:39

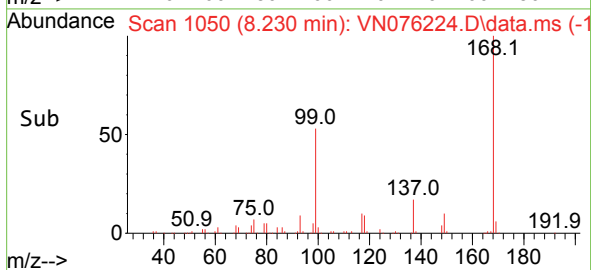
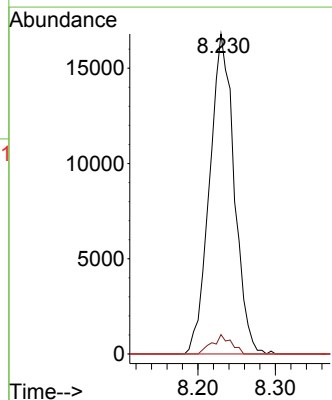
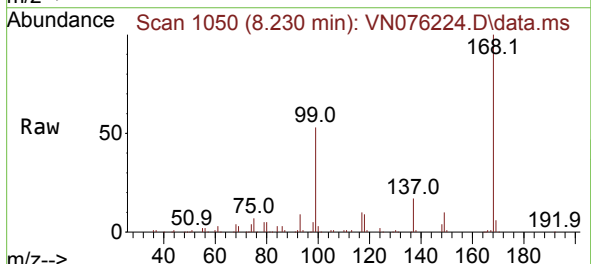
Tgt Ion: 117 Resp: 37144

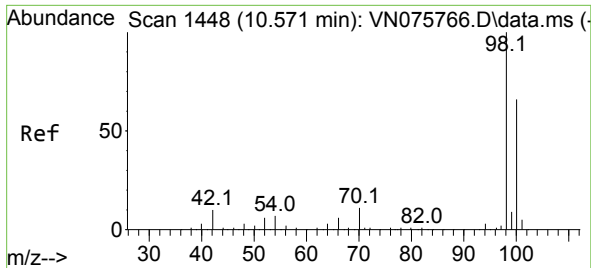
Ion Ratio Lower Upper

117 100

119 6.0 76.1 114.1#

121 0.0 24.5 36.7#

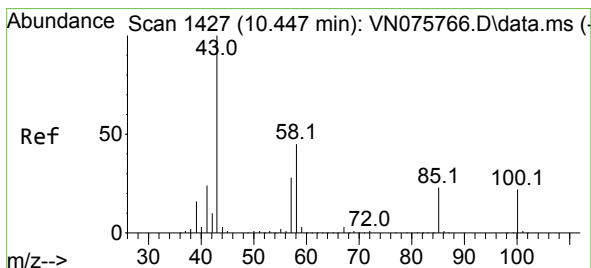
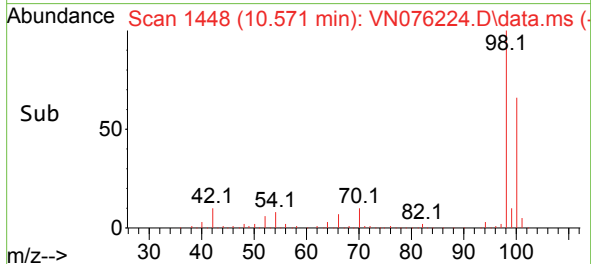
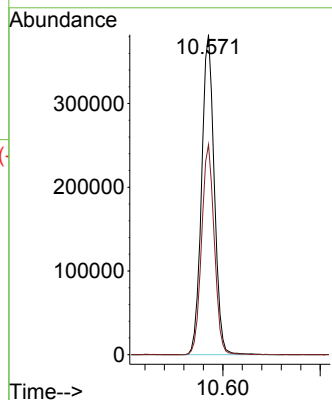
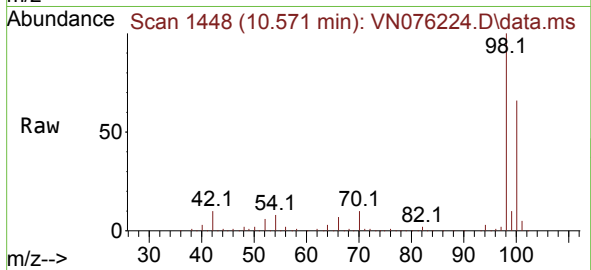




#50
Toluene-d8
Concen: 49.220 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

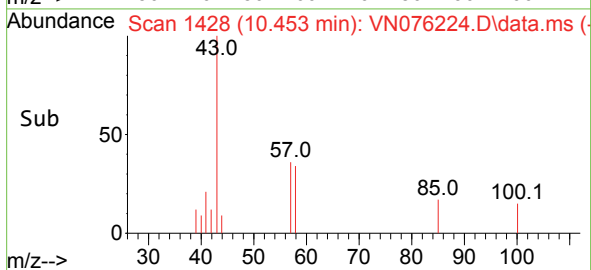
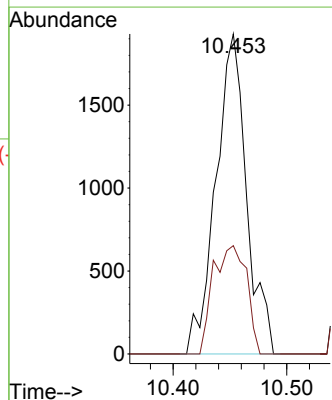
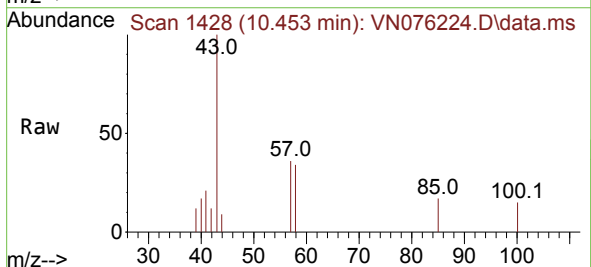
Instrument :
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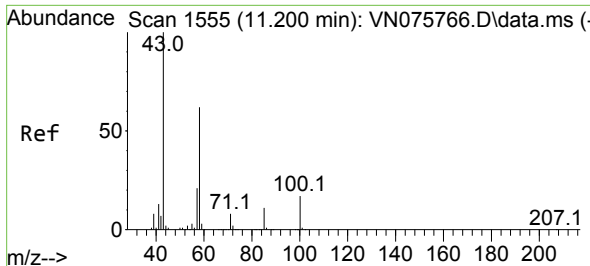
Tgt Ion: 98 Resp: 689549
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.909 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

Tgt Ion: 43 Resp: 3626
Ion Ratio Lower Upper
43 100
58 36.8 35.5 53.3

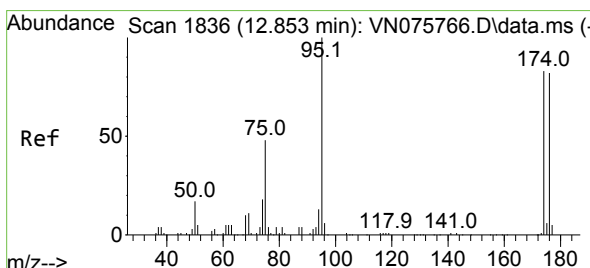
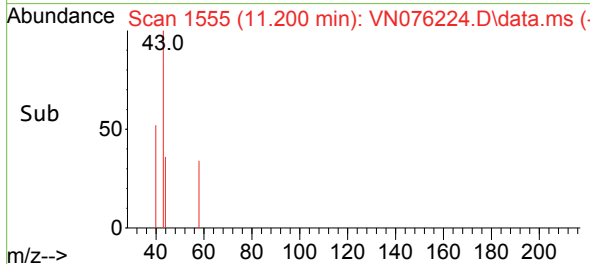
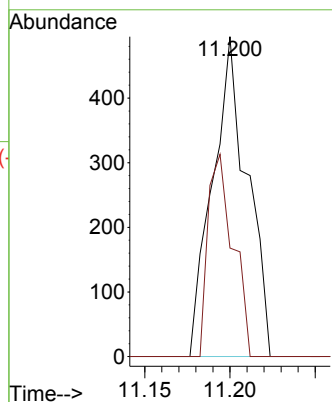
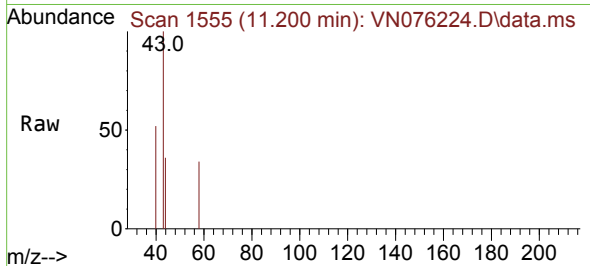




#59
2-Hexanone
Concen: 0.241 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

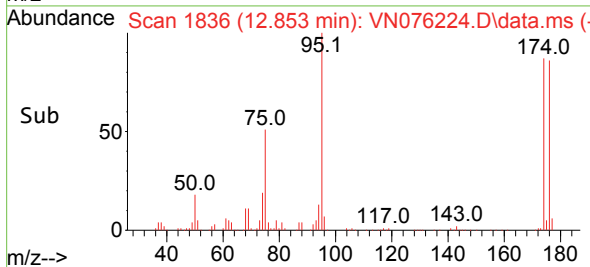
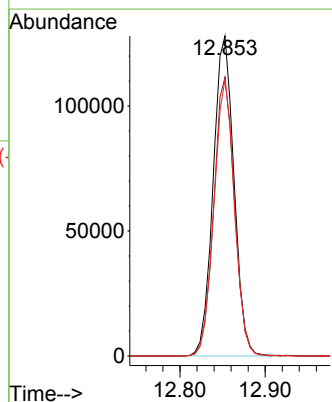
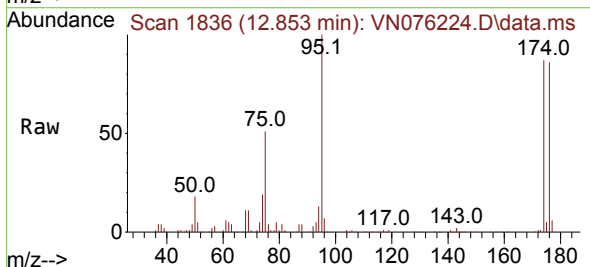
Instrument :
MSVOA_N
ClientSampleId :
EB-01-011023

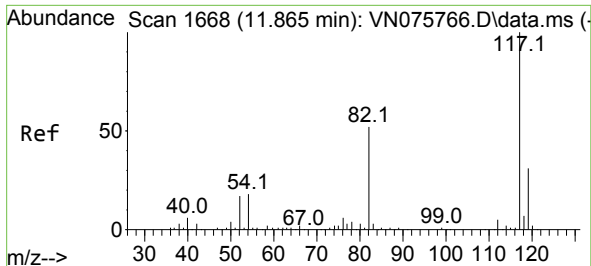
Tgt Ion: 43 Resp: 701
Ion Ratio Lower Upper
43 100
58 45.6 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 46.792 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

Tgt Ion: 95 Resp: 217122
Ion Ratio Lower Upper
95 100
174 86.7 0.0 171.6
176 84.9 0.0 169.2

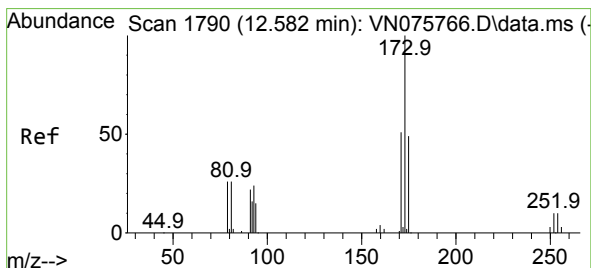
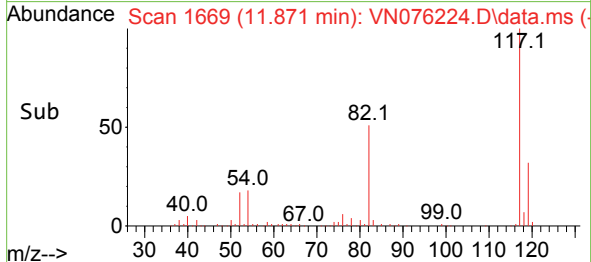
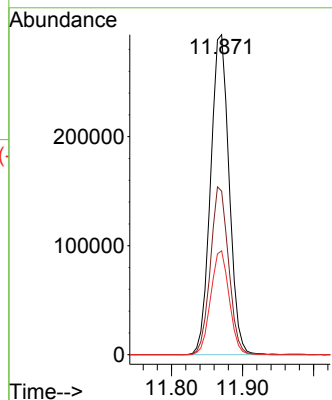
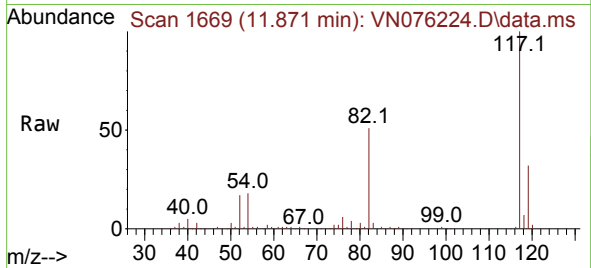




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

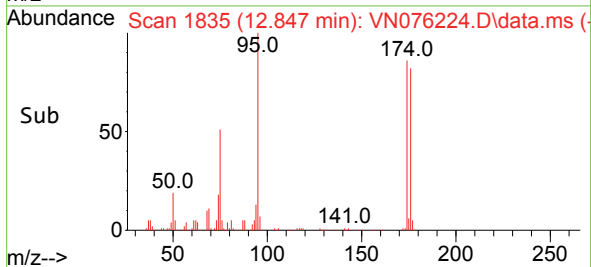
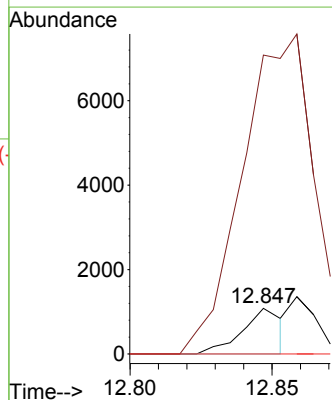
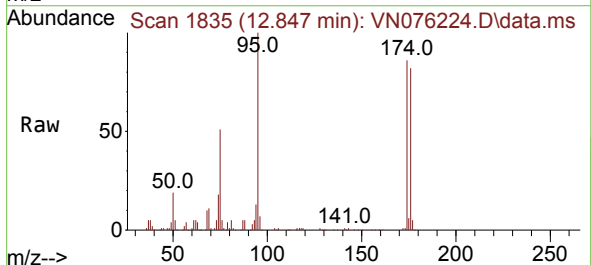
Instrument :
MSVOA_N
ClientSampleId :
EB-01-011023

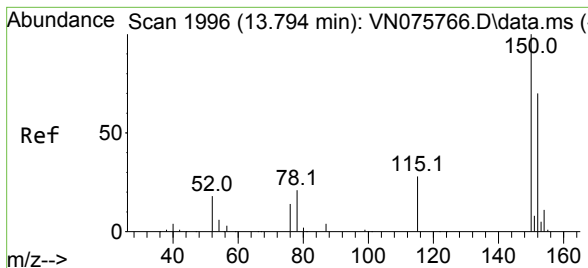
Tgt Ion:117 Resp: 532545
Ion Ratio Lower Upper
117 100
82 51.1 41.3 61.9
119 32.5 24.6 37.0



#71
Bromoform
Concen: 0.359 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076224.D
Acq: 12 Jan 2023 12:39

Tgt Ion:173 Resp: 1059
Ion Ratio Lower Upper
173 100
175 779.6 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. 0.000 min

Lab File: VN076224.D

Acq: 12 Jan 2023 12:39

Instrument :

MSVOA_N

ClientSampleId :

EB-01-011023

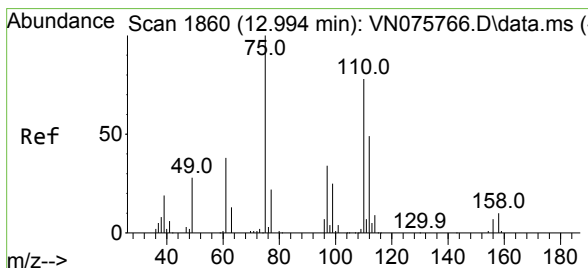
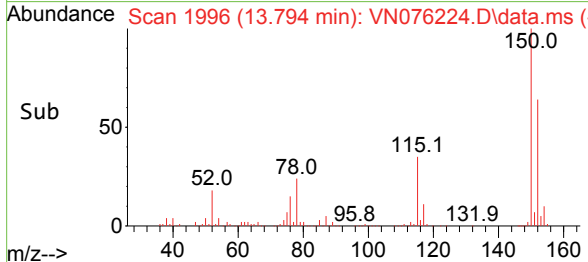
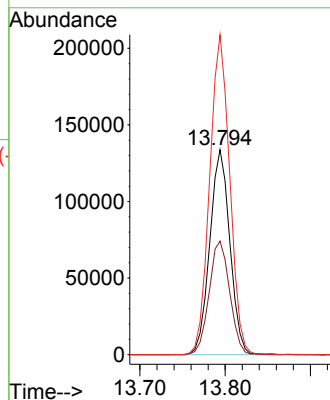
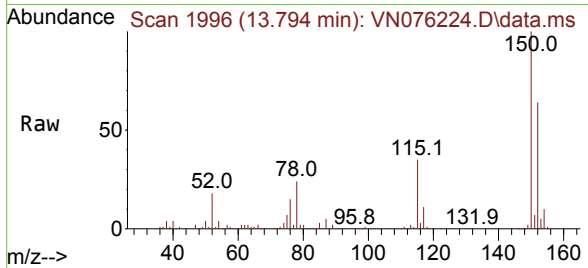
Tgt Ion:152 Resp: 219128

Ion Ratio Lower Upper

152 100

115 56.7 29.1 87.4

150 155.6 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 25.204 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076224.D

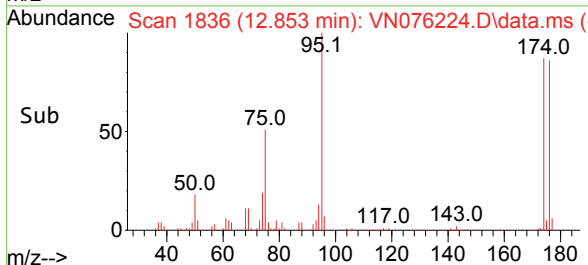
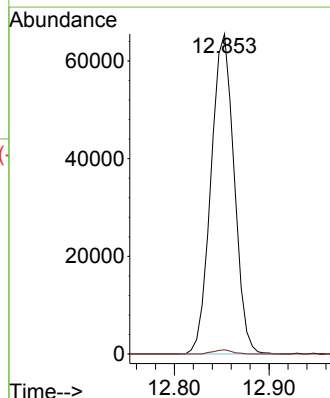
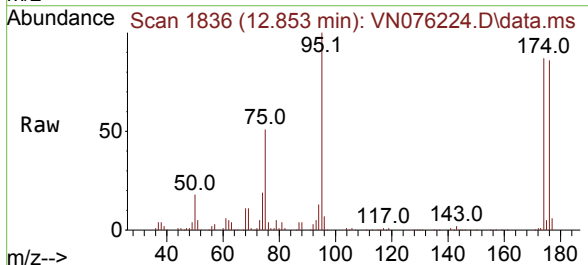
Acq: 12 Jan 2023 12:39

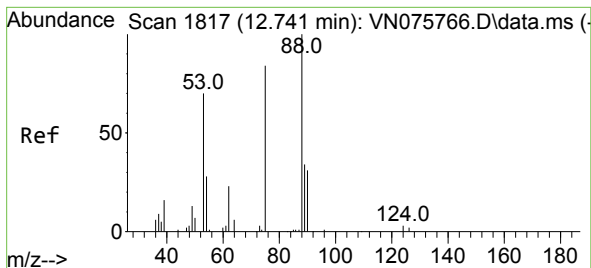
Tgt Ion: 75 Resp: 111329

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#

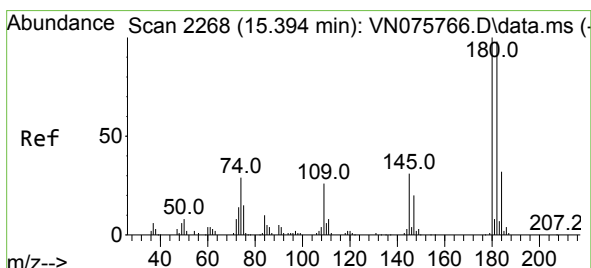
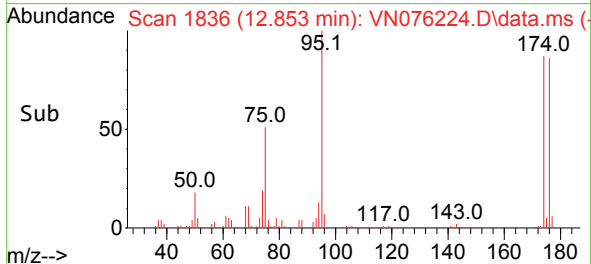
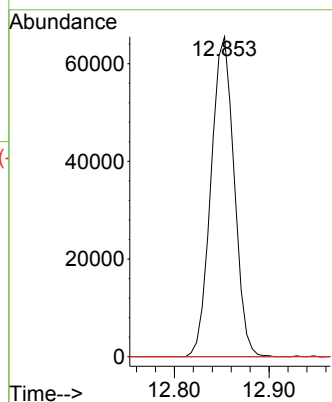
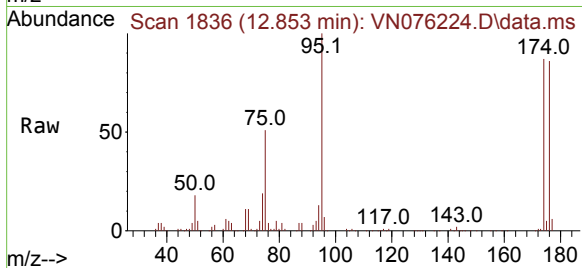




#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.722 ug/l
 RT: 12.853 min Scan# 111329
 Delta R.T. 0.112 min
 Lab File: VN076224.D
 Acq: 12 Jan 2023 12:39

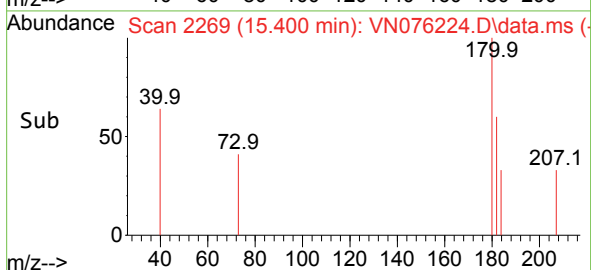
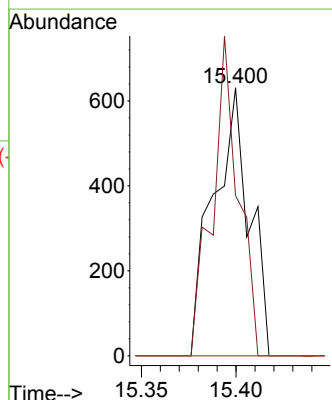
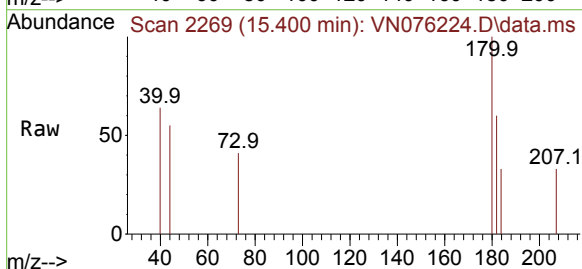
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01-011023

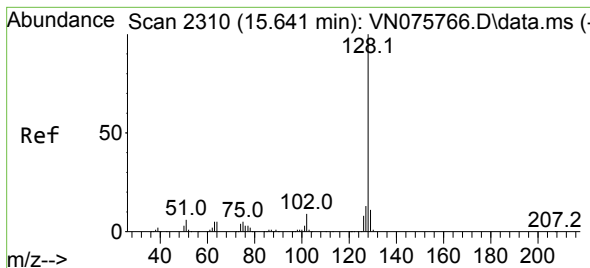
Tgt Ion: 75 Resp: 111329
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.8 110.6#
 89 0.0 39.5 59.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.232 ug/l
 RT: 15.400 min Scan# 2269
 Delta R.T. 0.006 min
 Lab File: VN076224.D
 Acq: 12 Jan 2023 12:39

Tgt Ion:180 Resp: 836
 Ion Ratio Lower Upper
 180 100
 182 86.2 47.5 142.5
 145 0.0 15.3 45.8#





#95

Naphthalene

Concen: 2.496 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076224.D

Acq: 12 Jan 2023 12:39

Instrument :

MSVOA_N

ClientSampleId :

EB-01-011023

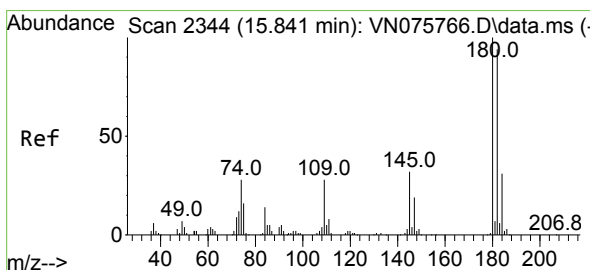
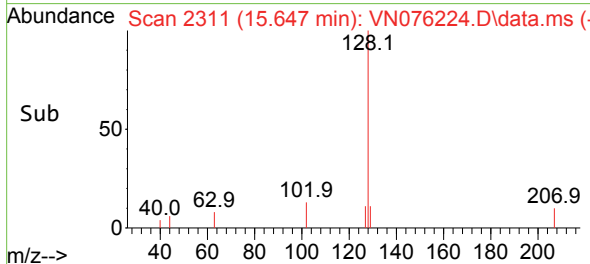
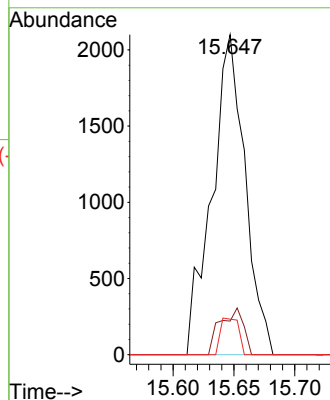
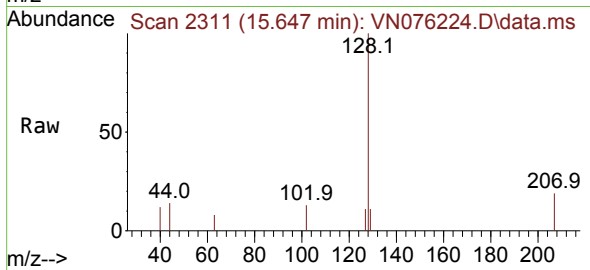
Tgt Ion:128 Resp: 3975

Ion Ratio Lower Upper

128 100

127 10.2 10.4 15.6#

129 6.2 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.210 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076224.D

Acq: 12 Jan 2023 12:39

Tgt Ion:180 Resp: 709

Ion Ratio Lower Upper

180 100

182 120.5 47.0 141.0

145 7.8 16.0 47.9#

