

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075919.D
 Acq On : 21 Dec 2022 15:05
 Operator : JC\MD
 Sample : N6164-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-04-147-166-122022

Quant Time: Dec 22 03:02:19 2022
 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)

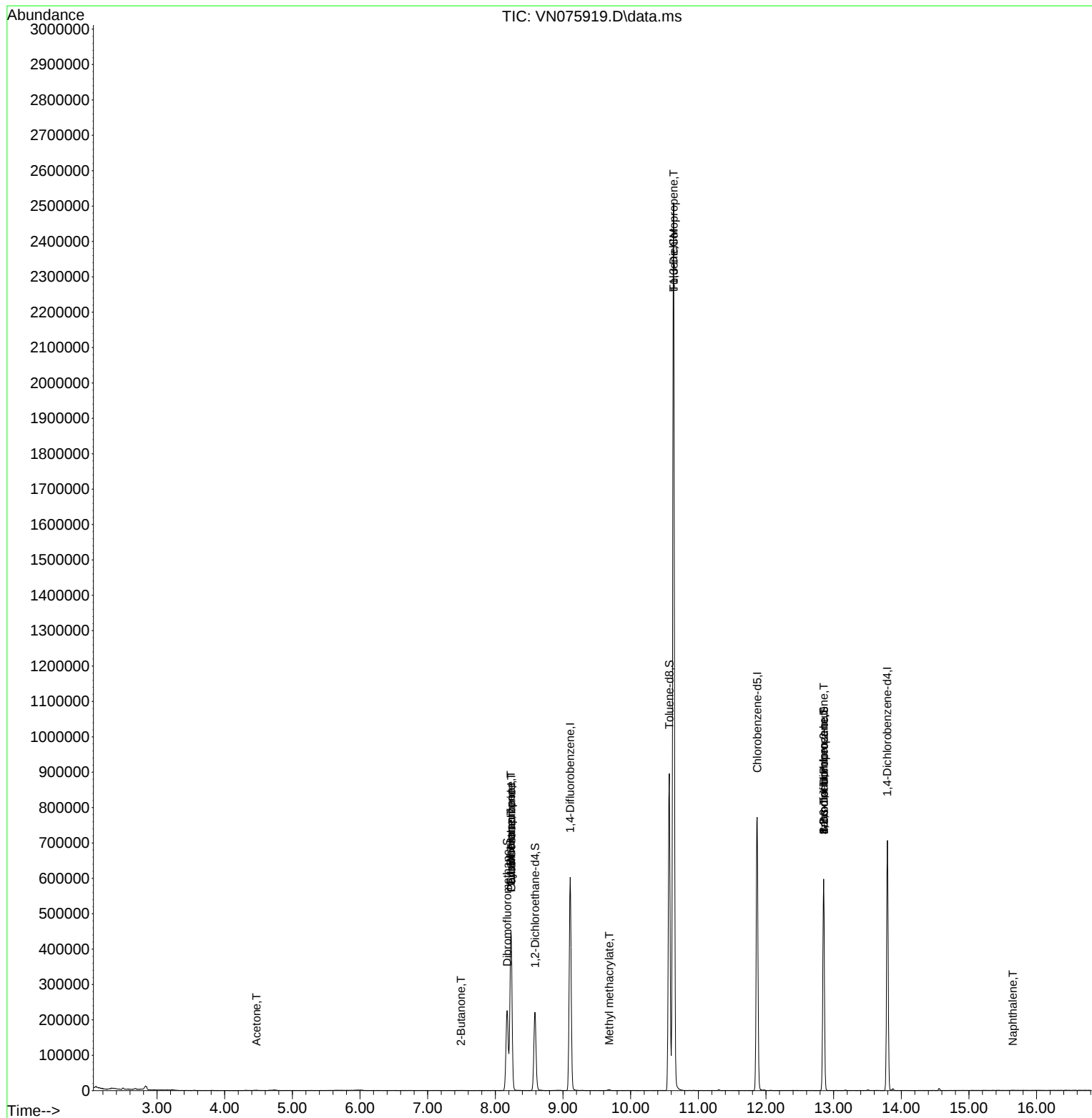
Internal Standards						
1) Pentafluorobenzene	8.236	168	357113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	555755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	487064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	180871	46.556	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.120%		
35) Dibromofluoromethane	8.177	113	164865	47.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.800%		
50) Toluene-d8	10.571	98	635719	49.402	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.800%		
62) 4-Bromofluorobenzene	12.853	95	196692	46.149	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.300%		
Target Compounds						Qvalue
16) Acetone	4.471	43	1509	1.127	ug/l	97
20) Methylene Chloride	5.295	84	187	Below Cal	#	57
25) 2-Butanone	7.494	43	516	0.275	ug/l #	40
31) Cyclohexane	8.230	56	6446	1.159	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	25183	5.508	ug/l #	48
38) Carbon Tetrachloride	8.236	117	35000	6.840	ug/l #	16
48) Methyl methacrylate	9.682	41	1530	0.561	ug/l #	67
52) Toluene	10.635	92	1152388	125.437	ug/l	99
53) t-1,3-Dichloropropene	10.635	75	12889	2.637	ug/l #	1
71) Bromoform	12.853	173	1648	0.612	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	100289	25.256	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	100289	90.908	ug/l #	12
95) Naphthalene	15.647	128	1048	2.271	ug/l #	69

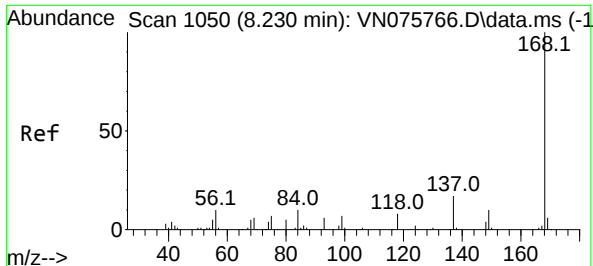
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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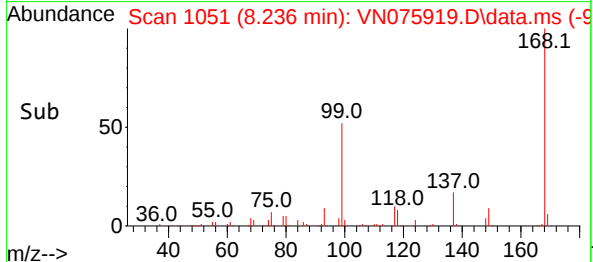
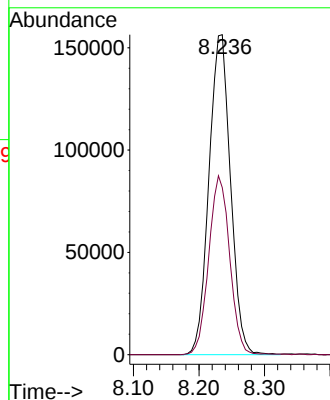
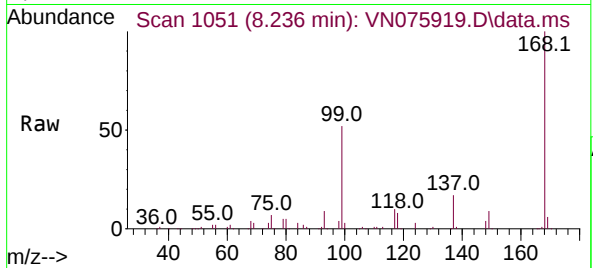




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1050
Delta R.T. 0.006 min
Lab File: VN075919.D
Acq: 21 Dec 2022 15:05

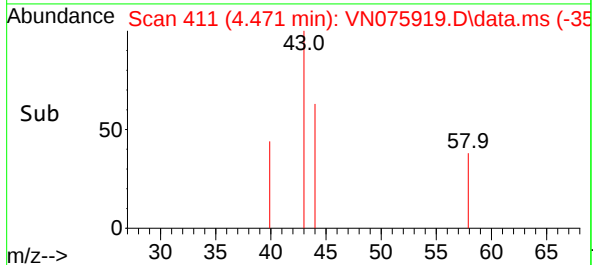
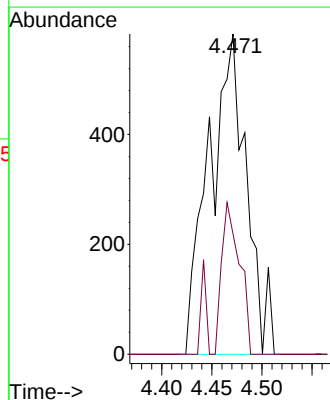
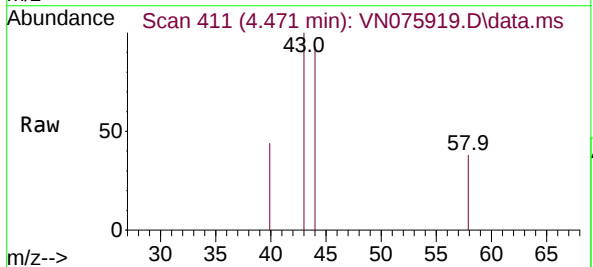
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-04-147-166-122022

Tgt Ion:168 Resp: 357113
Ion Ratio Lower Upper
168 100
99 52.2 44.2 66.4



#16
Acetone
Concen: 1.127 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN075919.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 43 Resp: 1509
Ion Ratio Lower Upper
43 100
58 37.6 28.6 43.0





#20

Methylene Chloride

Concen: Below Cal

RT: 5.295 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN075919.D

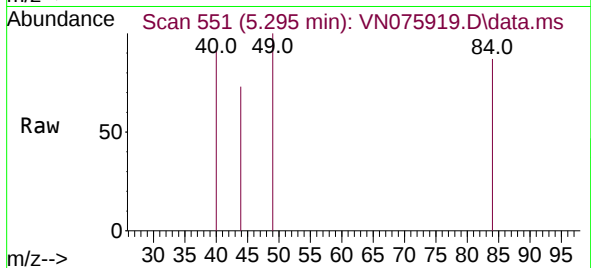
Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-04-147-166-122022



Tgt Ion: 84 Resp: 187

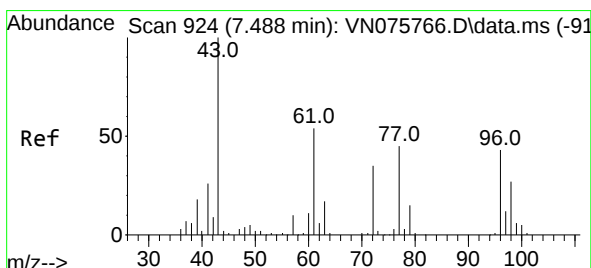
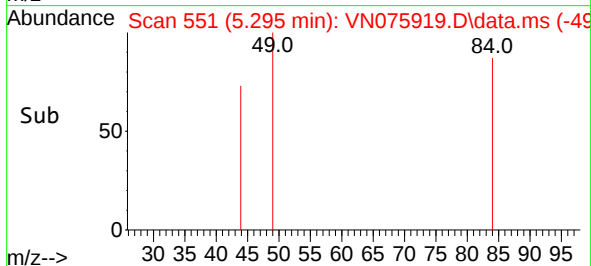
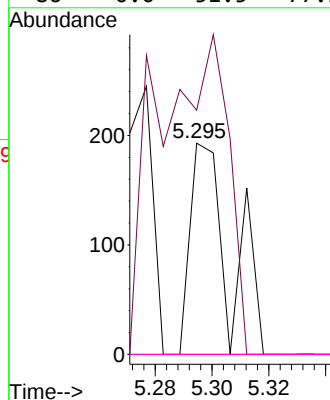
Ion Ratio Lower Upper

84 100

49 115.5 81.8 122.6

51 0.0 26.7 40.1#

86 0.0 51.5 77.3#



#25

2-Butanone

Concen: 0.275 ug/l

RT: 7.494 min Scan# 925

Delta R.T. 0.006 min

Lab File: VN075919.D

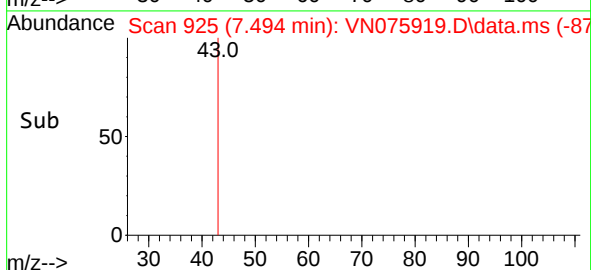
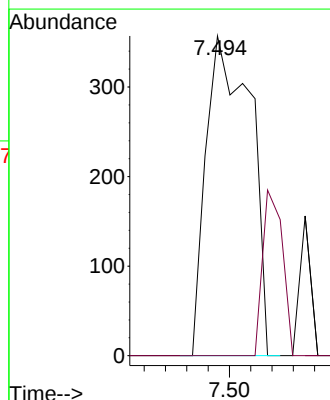
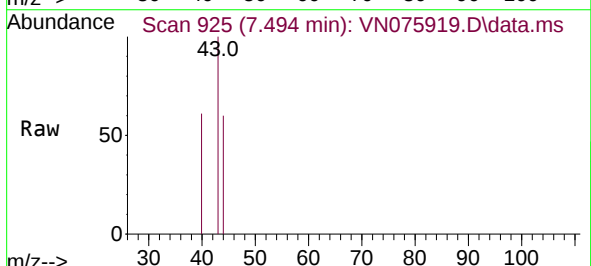
Acq: 21 Dec 2022 15:05

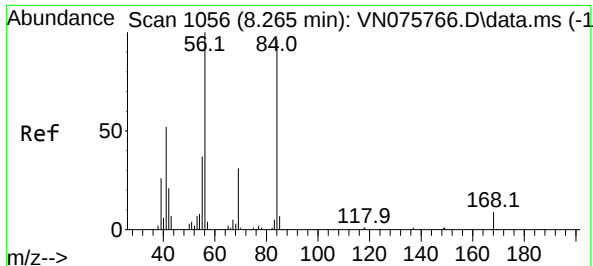
Tgt Ion: 43 Resp: 516

Ion Ratio Lower Upper

43 100

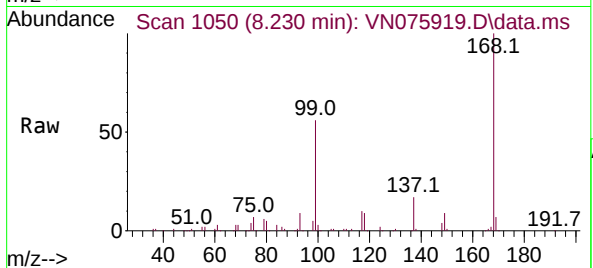
72 0.0 28.0 42.0#



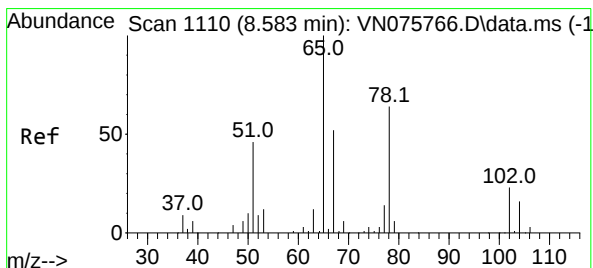
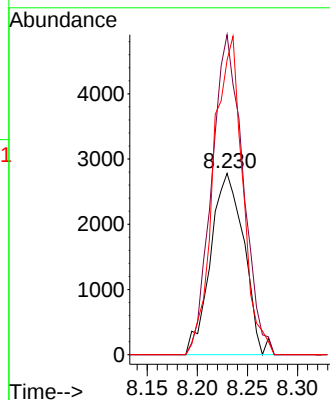
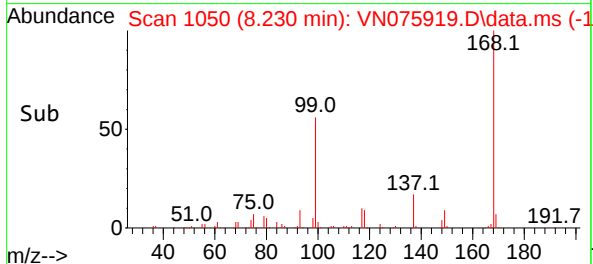


#31
Cyclohexane
Concen: 1.159 ug/l
RT: 8.230 min Scan# 1056
Delta R.T. -0.035 min
Lab File: VN075919.D
Acq: 21 Dec 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-04-147-166-122022

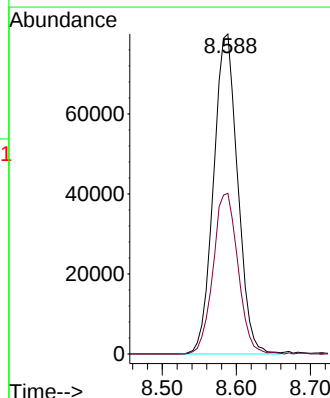
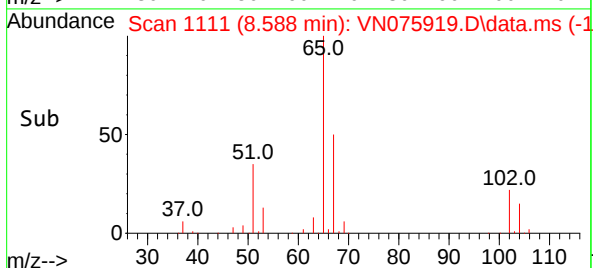
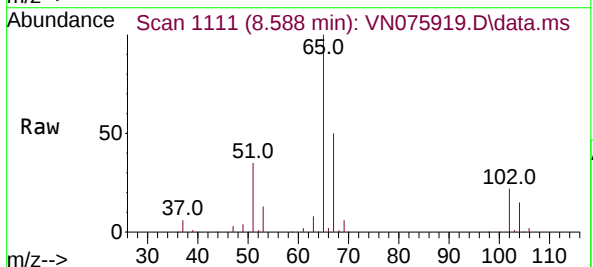


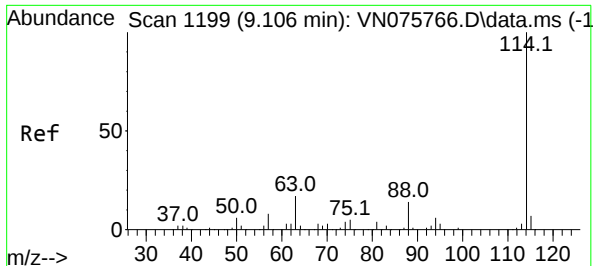
Tgt Ion: 56 Resp: 6446
Ion Ratio Lower Upper
56 100
69 176.5 24.7 37.1#
84 162.4 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 46.556 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN075919.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 65 Resp: 180871
Ion Ratio Lower Upper
65 100
67 51.7 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: VN075919.D

Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-04-147-166-122022

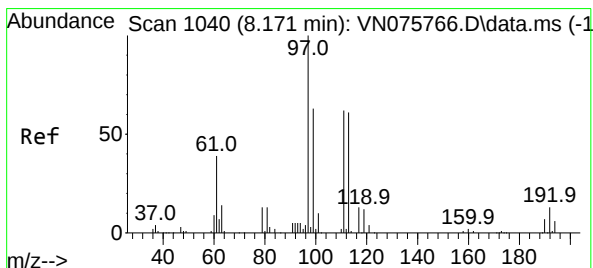
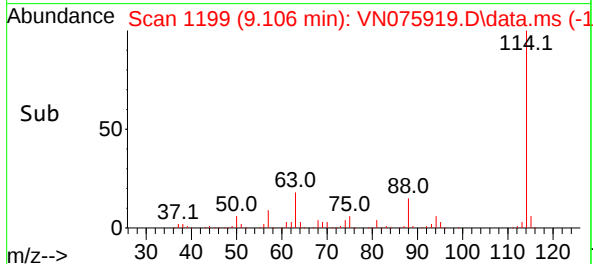
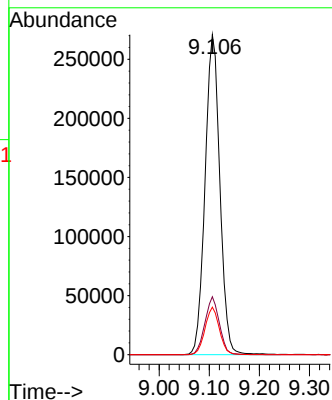
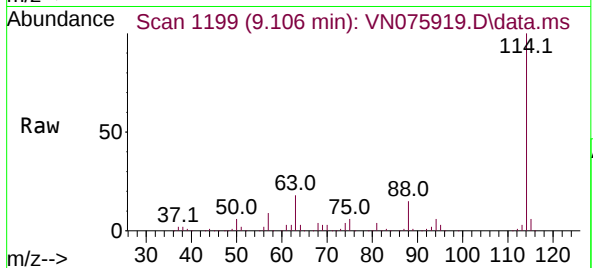
Tgt Ion:114 Resp: 555755

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.4

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.902 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075919.D

Acq: 21 Dec 2022 15:05

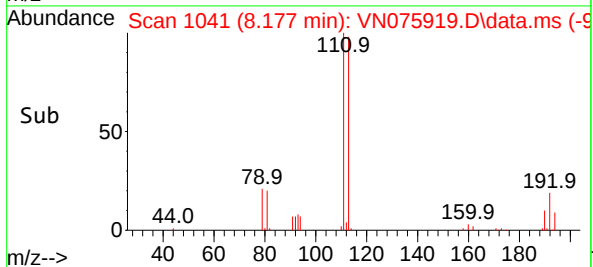
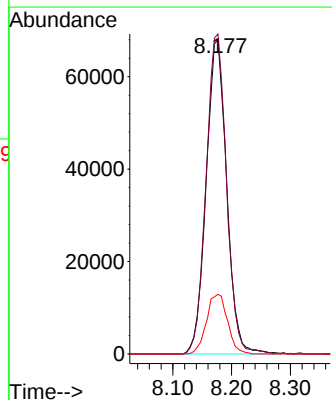
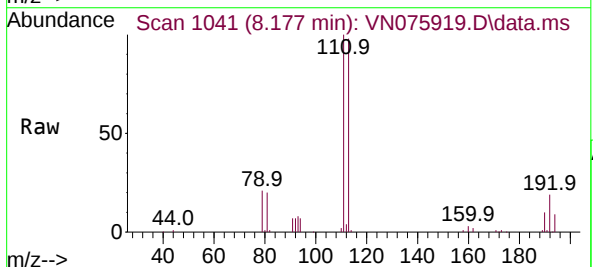
Tgt Ion:113 Resp: 164865

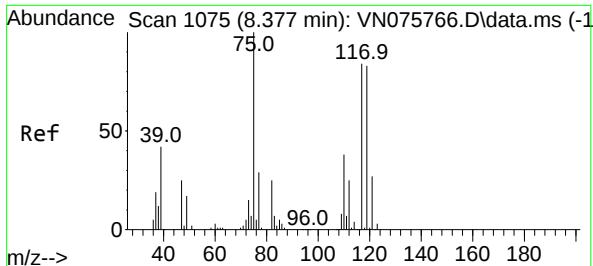
Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.2

192 19.4 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.508 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075919.D

Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-04-147-166-122022

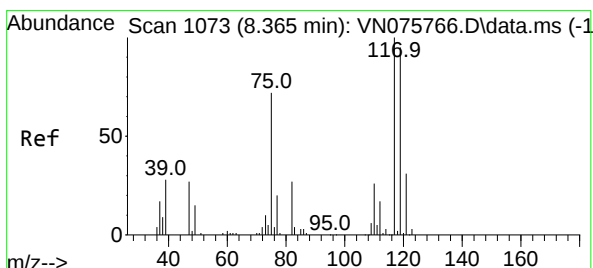
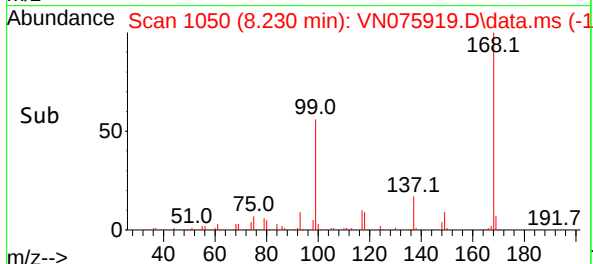
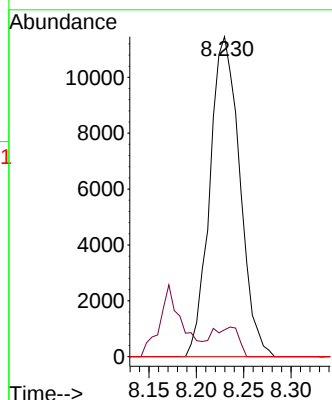
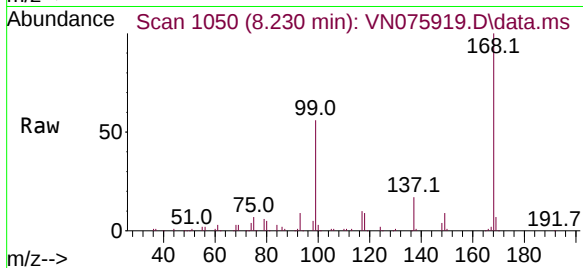
Tgt Ion: 75 Resp: 25183

Ion Ratio Lower Upper

75 100

110 8.4 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.840 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.129 min

Lab File: VN075919.D

Acq: 21 Dec 2022 15:05

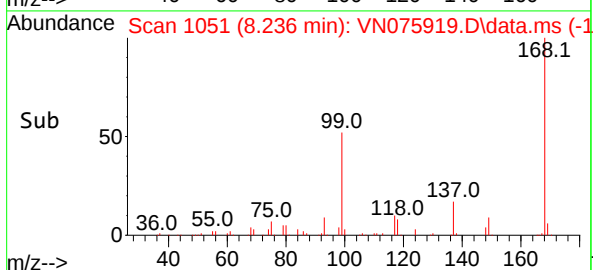
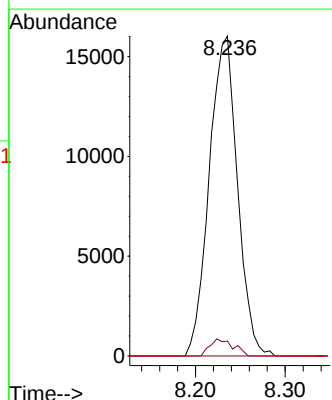
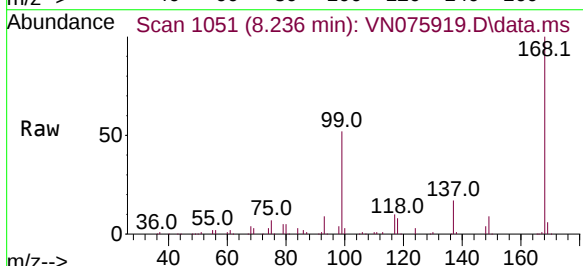
Tgt Ion: 117 Resp: 35000

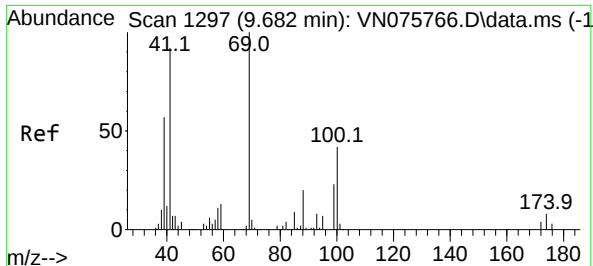
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 0.561 ug/l

RT: 9.682 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN075919.D

Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-04-147-166-122022

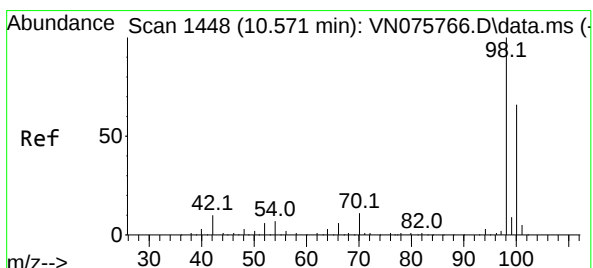
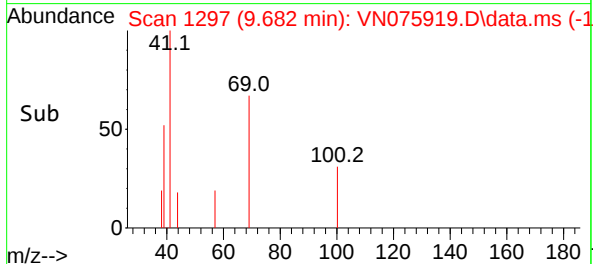
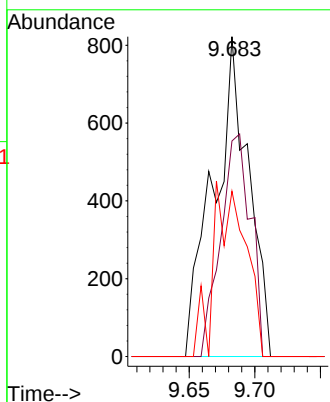
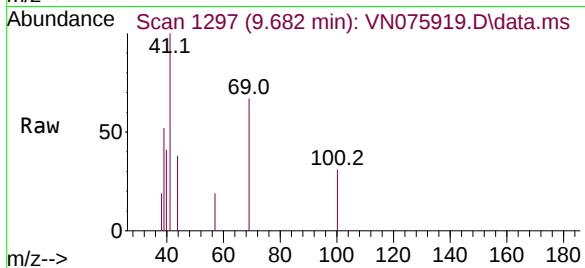
Tgt Ion: 41 Resp: 1530

Ion Ratio Lower Upper

41 100

69 59.3 81.9 122.9#

39 49.7 51.6 77.4#



#50

Toluene-d8

Concen: 49.402 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075919.D

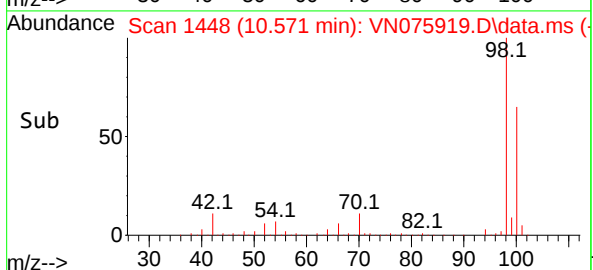
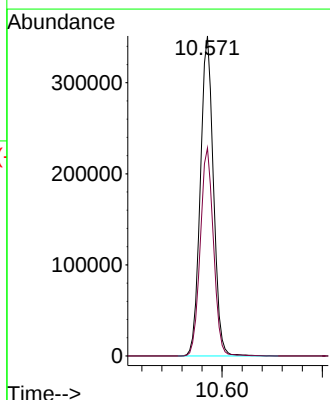
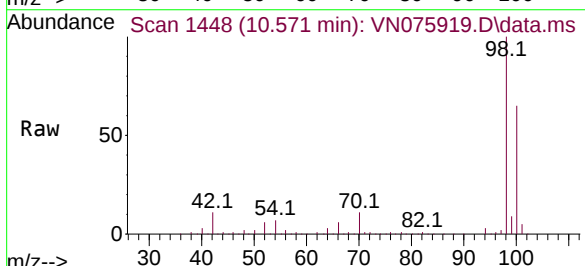
Acq: 21 Dec 2022 15:05

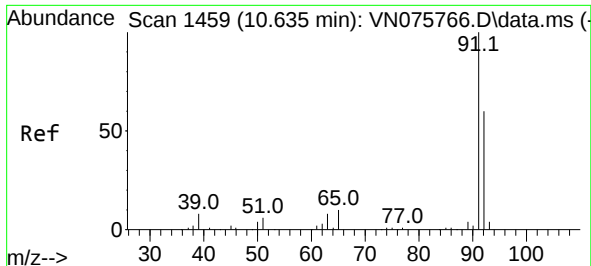
Tgt Ion: 98 Resp: 635719

Ion Ratio Lower Upper

98 100

100 65.7 52.1 78.1

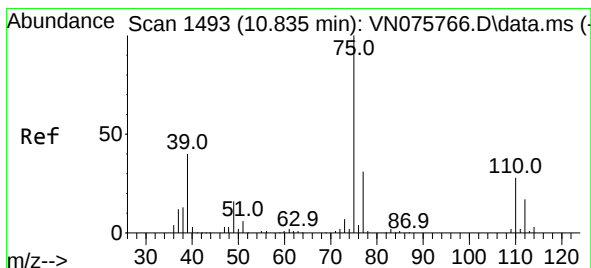
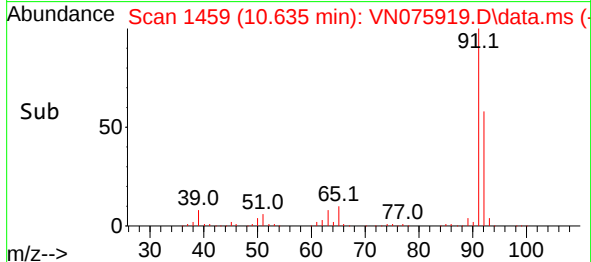
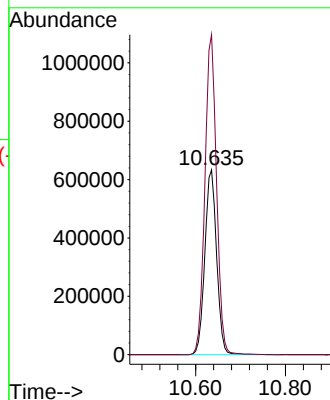
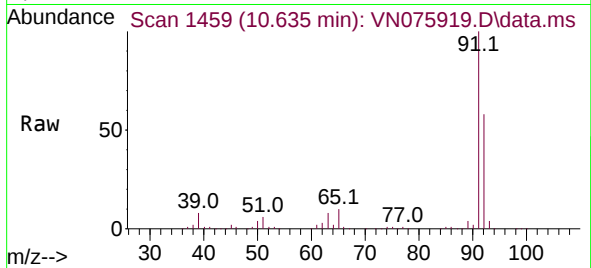




#52
Toluene
Concen: 125.437 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN075919.D
Acq: 21 Dec 2022 15:05

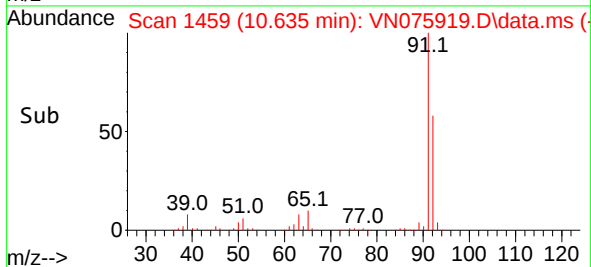
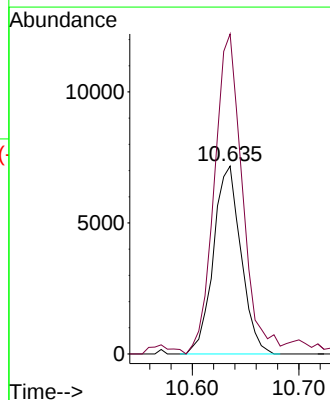
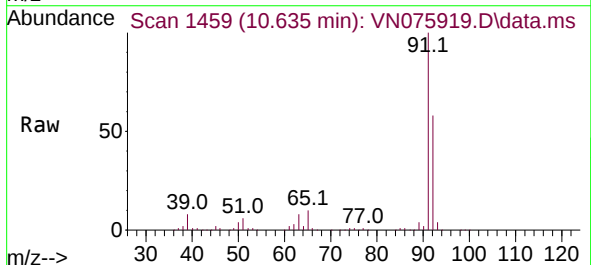
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-04-147-166-122022

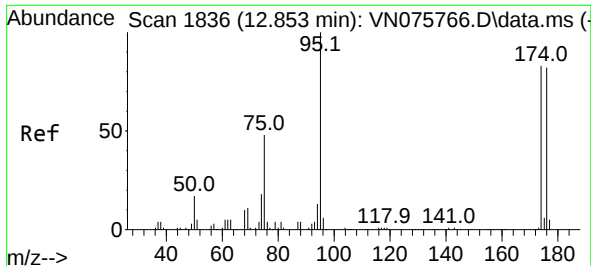
Tgt Ion: 92 Resp: 1152388
Ion Ratio Lower Upper
92 100
91 170.9 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 2.637 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.200 min
Lab File: VN075919.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 75 Resp: 12889
Ion Ratio Lower Upper
75 100
77 167.9 24.9 37.3#

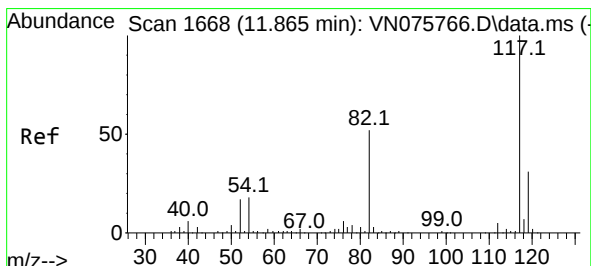
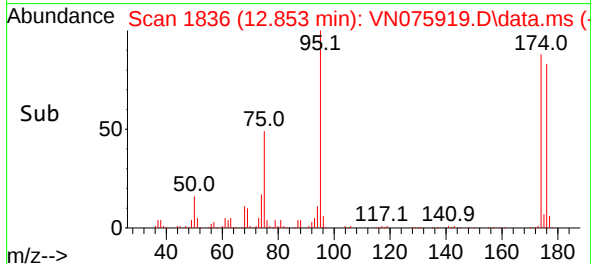
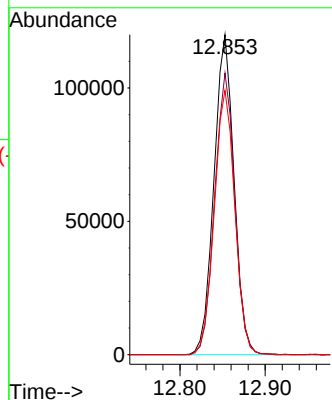
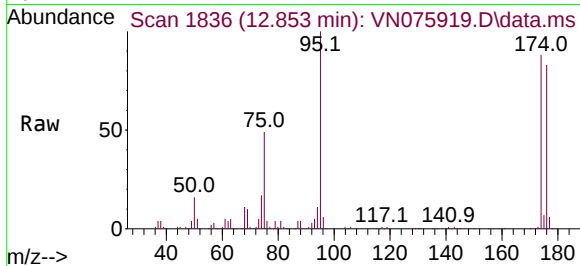




#62
4-Bromofluorobenzene
Concen: 46.149 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075919.D
Acq: 21 Dec 2022 15:05

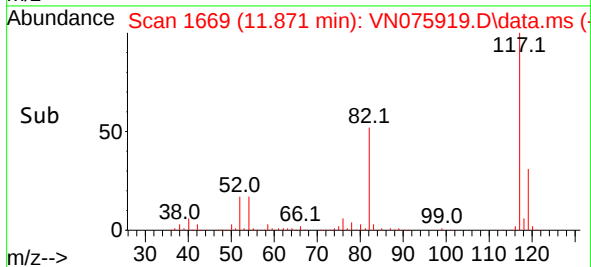
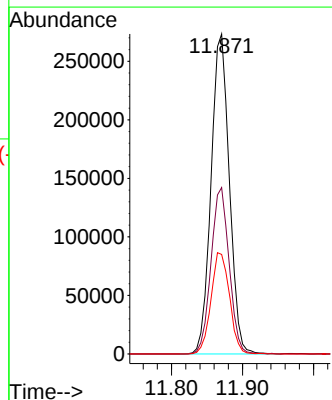
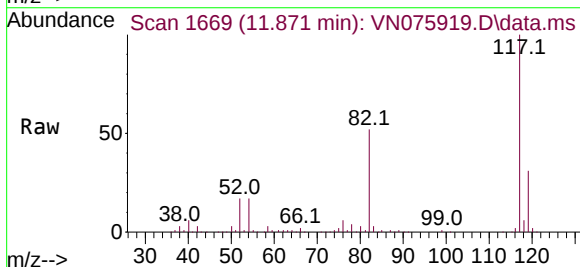
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-04-147-166-122022

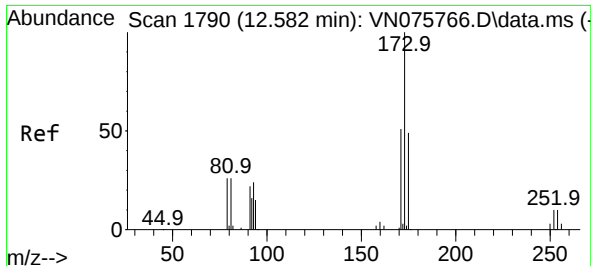
Tgt Ion: 95 Resp: 196692
Ion Ratio Lower Upper
95 100
174 87.9 0.0 171.6
176 84.3 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075919.D
Acq: 21 Dec 2022 15:05

Tgt Ion: 117 Resp: 487064
Ion Ratio Lower Upper
117 100
82 52.0 41.3 61.9
119 31.1 24.6 37.0

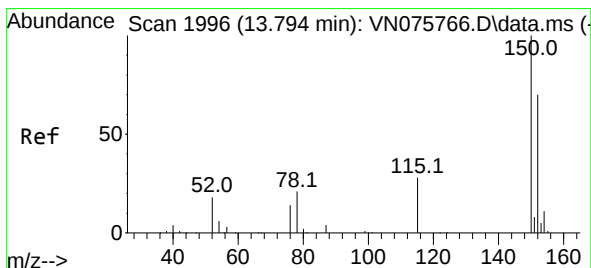
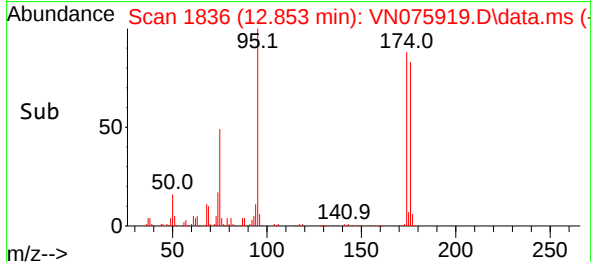
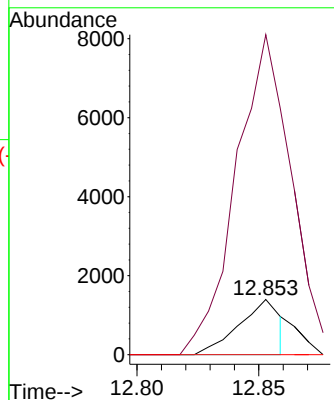
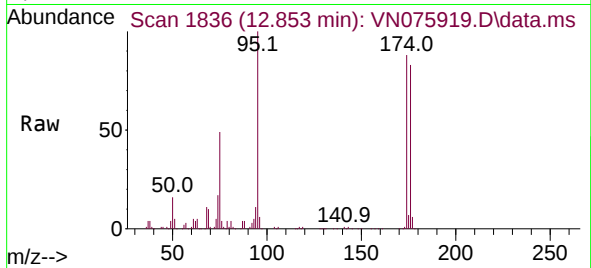




#71
Bromoform
Concen: 0.612 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075919.D
Acq: 21 Dec 2022 15:05

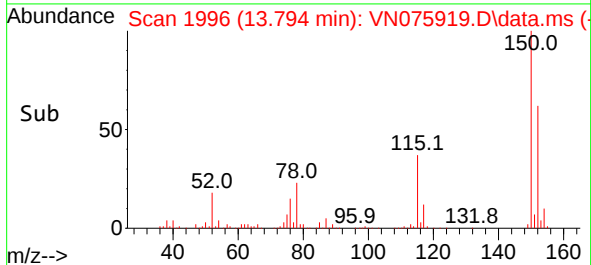
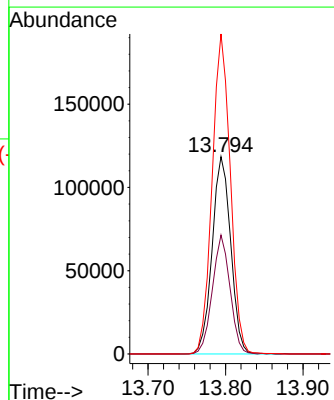
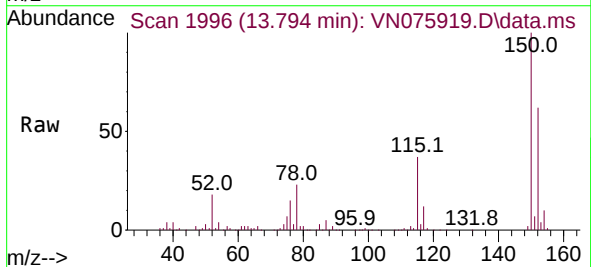
Instrument :
MSVOA_N
ClientSampleId :
GWOW-BR-04-147-166-122022

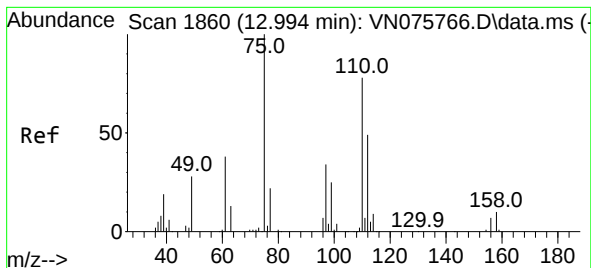
Tgt Ion:173 Resp: 1648
Ion Ratio Lower Upper
173 100
175 631.3 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075919.D
Acq: 21 Dec 2022 15:05

Tgt Ion:152 Resp: 196994
Ion Ratio Lower Upper
152 100
115 57.3 29.1 87.4
150 158.8 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 25.256 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075919.D

Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

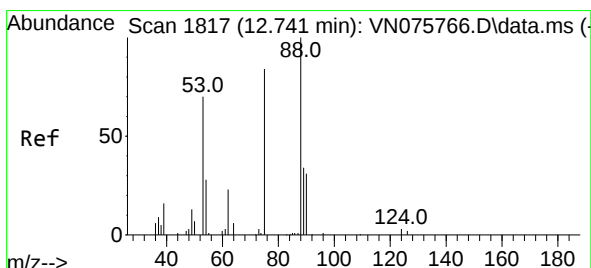
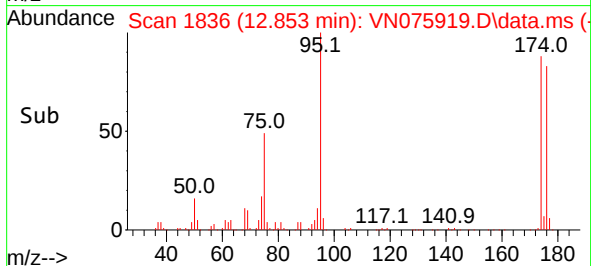
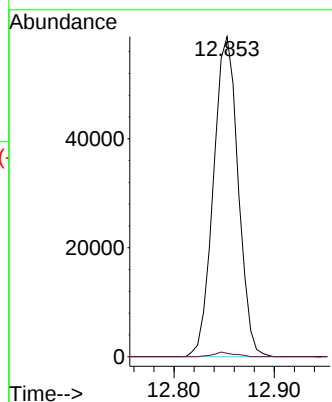
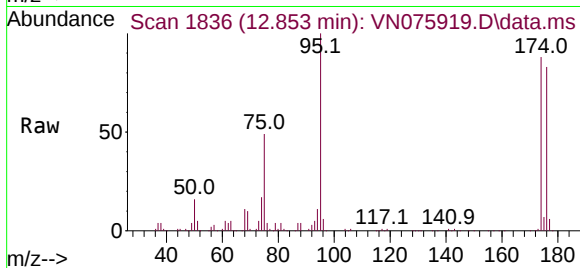
GWOW-BR-04-147-166-122022

Tgt Ion: 75 Resp: 100289

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.908 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN075919.D

Acq: 21 Dec 2022 15:05

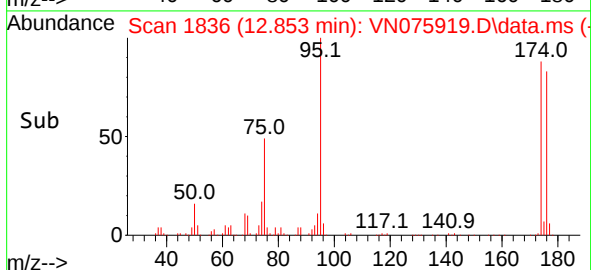
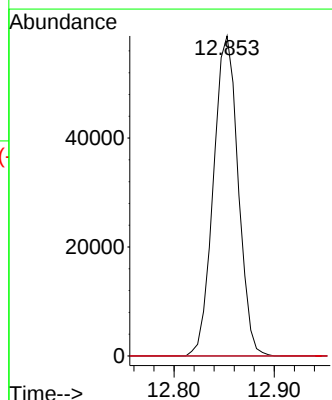
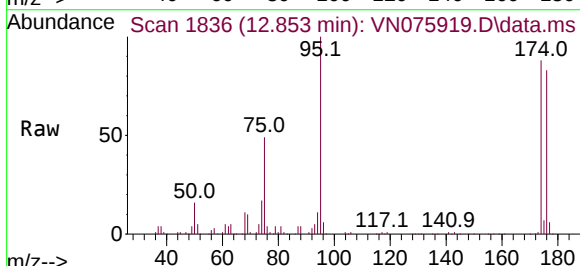
Tgt Ion: 75 Resp: 100289

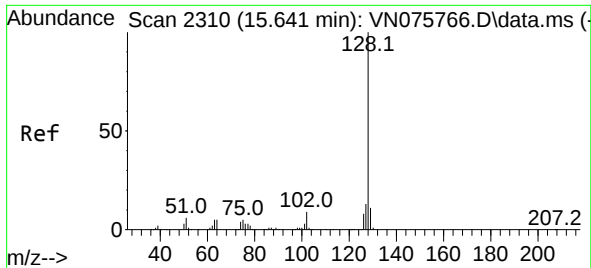
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.271 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075919.D

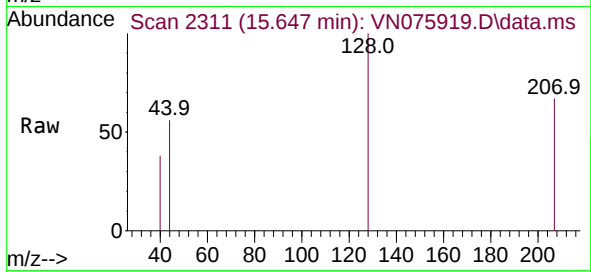
Acq: 21 Dec 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

GWOW-BR-04-147-166-122022



Tgt Ion:128 Resp: 1048

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

