

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075848.D
 Acq On : 16 Dec 2022 15:26
 Operator : JC\MD
 Sample : N6095-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-BR-04-270-289-121522

Quant Time: Dec 17 08:40:30 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)

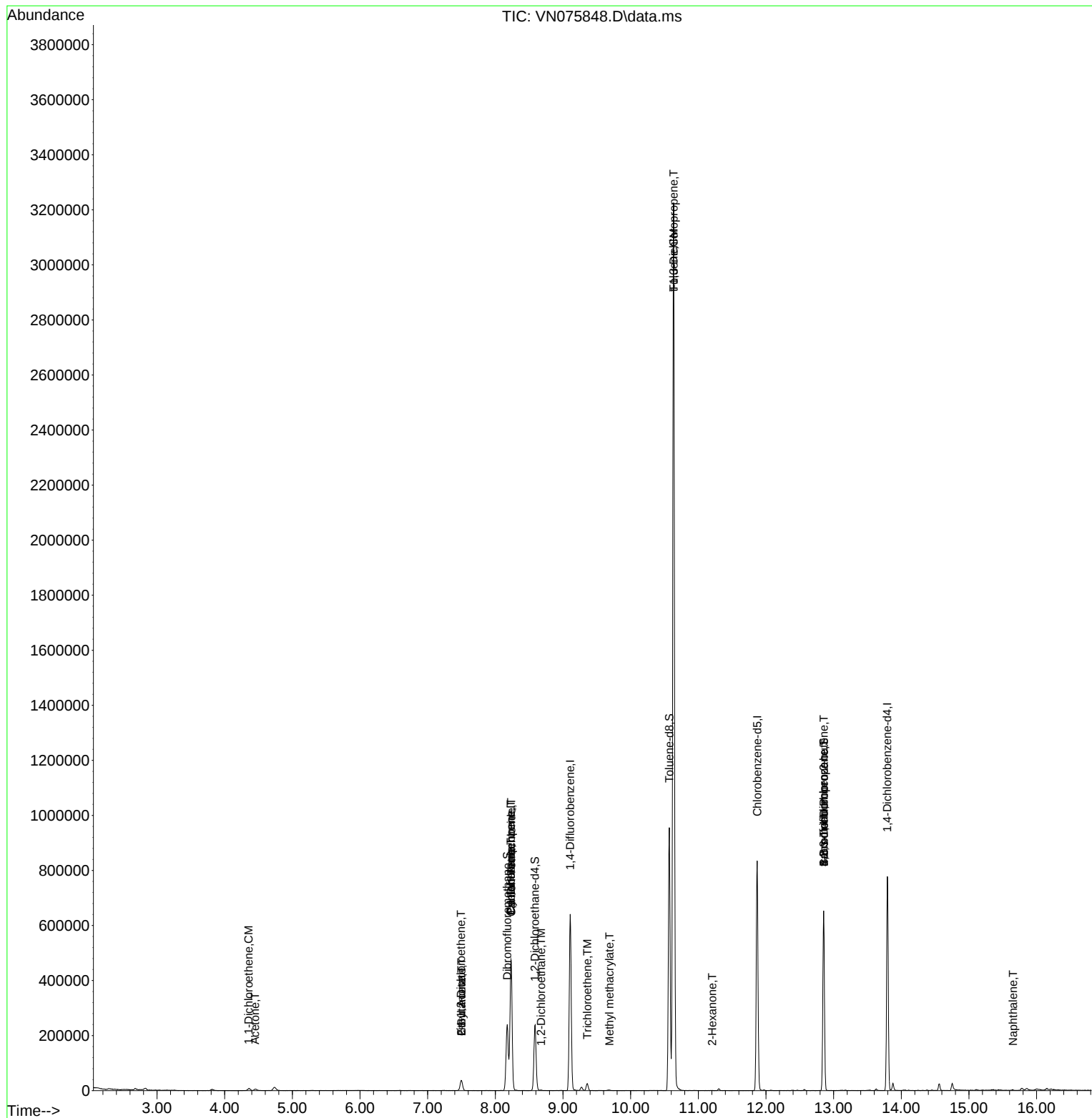
Internal Standards						
1) Pentafluorobenzene	8.230	168	373590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	588787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	513133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	192773	47.431	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.860%		
35) Dibromofluoromethane	8.177	113	171267	46.970	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.940%		
50) Toluene-d8	10.571	98	674676	49.488	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.980%		
62) 4-Bromofluorobenzene	12.853	95	217601	48.191	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.380%		
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	4.353	96	5505	1.663	ug/l	86
16) Acetone	4.447	43	10859	7.751	ug/l #	87
20) Methylene Chloride	5.300	84	492	Below Cal	#	12
25) 2-Butanone	7.500	43	2100	1.070	ug/l #	77
27) cis-1,2-Dichloroethene	7.494	96	22885	5.277	ug/l	94
31) Cyclohexane	8.230	56	6656	1.143	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	26716	5.516	ug/l #	49
37) Ethyl Acetate	7.500	43	2100	0.540	ug/l #	1
38) Carbon Tetrachloride	8.235	117	36148	6.668	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	1279	0.257	ug/l #	72
44) Trichloroethene	9.359	130	10001	2.375	ug/l	91
48) Methyl methacrylate	9.688	41	1048	0.363	ug/l #	87
52) Toluene	10.635	92	1477205	151.773	ug/l	100
53) t-1,3-Dichloropropene	10.635	75	17253	3.332	ug/l #	1
59) 2-Hexanone	11.206	43	602	0.213	ug/l	68
71) Bromoform	12.853	173	1342	0.473	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	107898	23.787	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107898	85.622	ug/l #	12
95) Naphthalene	15.653	128	2096	2.341	ug/l #	90

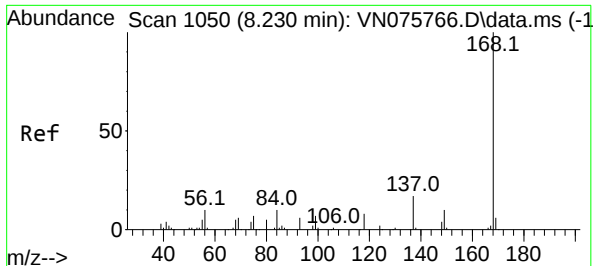
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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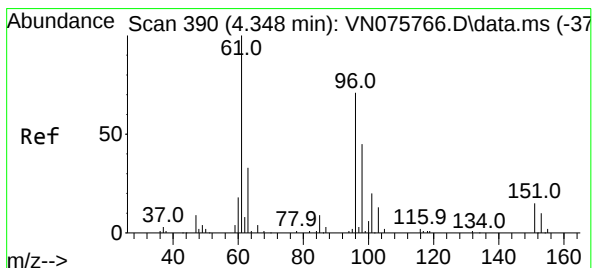
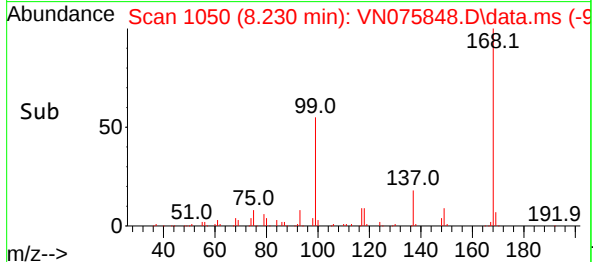
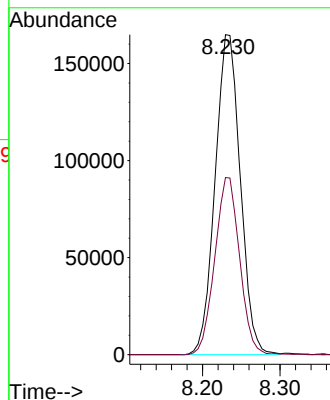
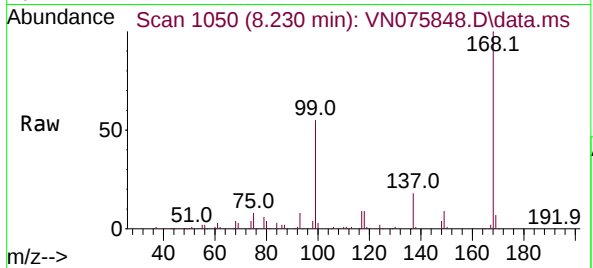




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

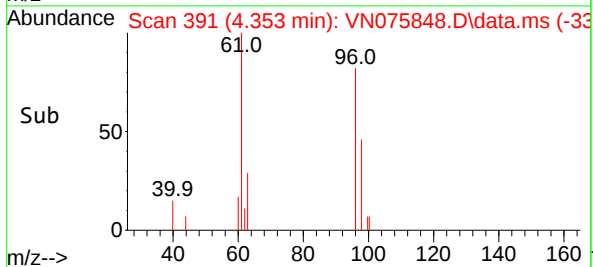
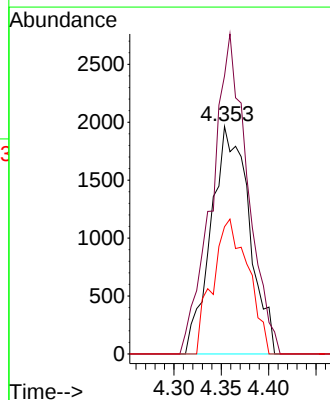
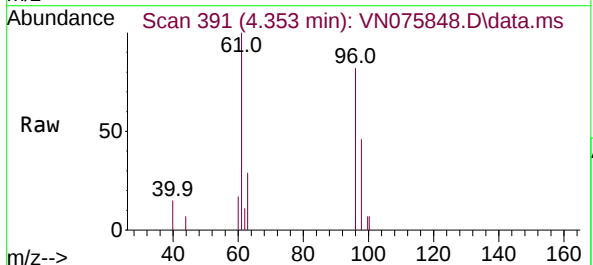
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-270-289-121522

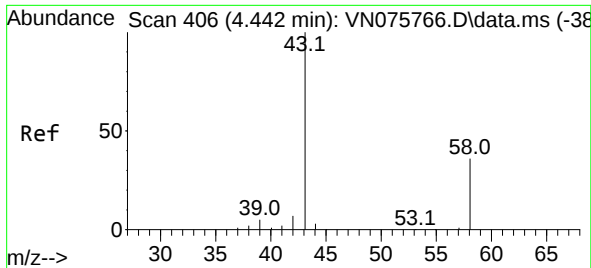
Tgt Ion:168 Resp: 373590
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#12
1,1-Dichloroethene
Concen: 1.663 ug/l
RT: 4.353 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

Tgt Ion: 96 Resp: 5505
Ion Ratio Lower Upper
96 100
61 122.2 113.3 169.9
98 55.9 50.9 76.3





#16

Acetone

Concen: 7.751 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN075848.D

Acq: 16 Dec 2022 15:26

Instrument :

MSVOA_N

ClientSampleId :

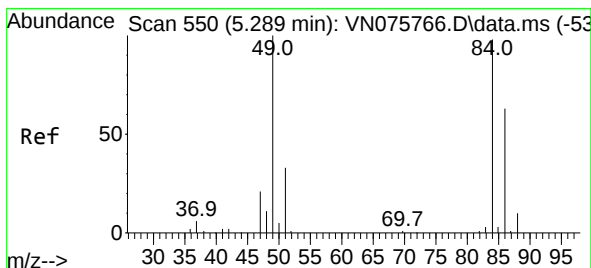
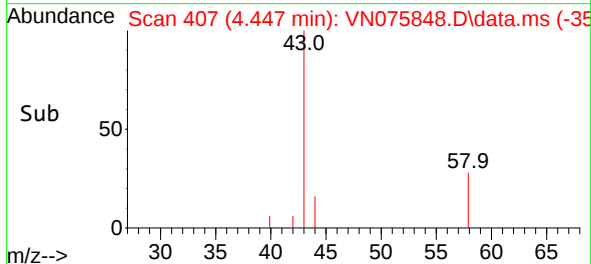
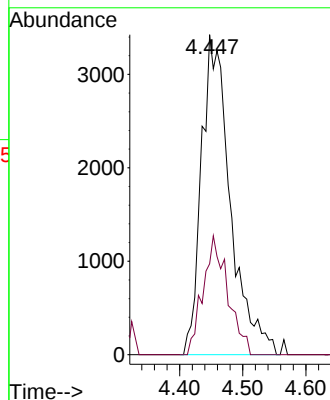
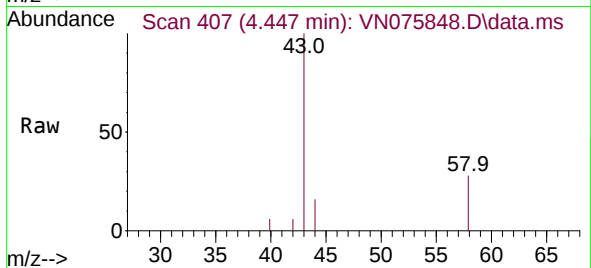
GW-BR-04-270-289-121522

Tgt Ion: 43 Resp: 10859

Ion Ratio Lower Upper

43 100

58 28.4 28.6 43.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.300 min Scan# 552

Delta R.T. 0.011 min

Lab File: VN075848.D

Acq: 16 Dec 2022 15:26

Tgt Ion: 84 Resp: 492

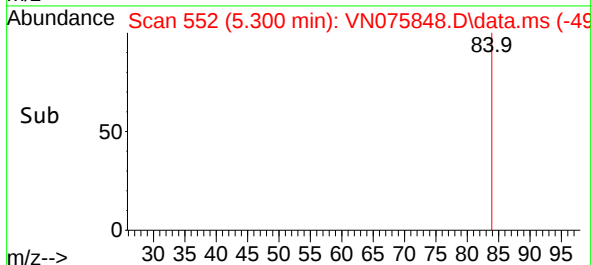
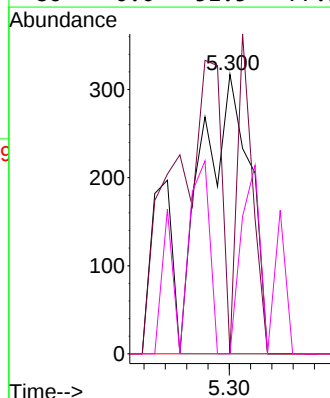
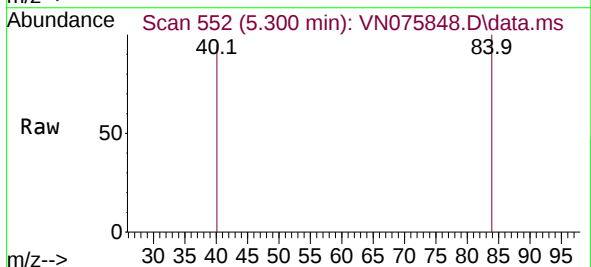
Ion Ratio Lower Upper

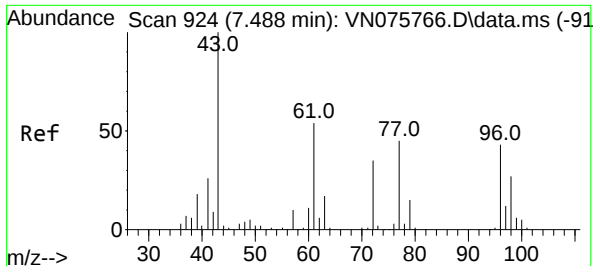
84 100

49 0.0 81.8 122.6#

51 0.0 26.7 40.1#

86 0.0 51.5 77.3#

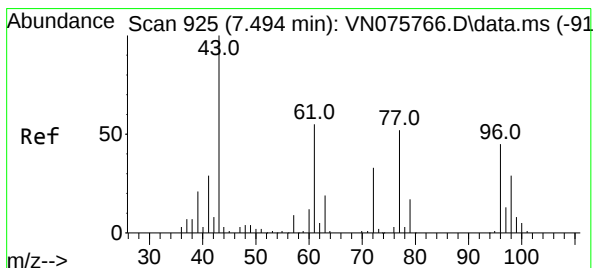
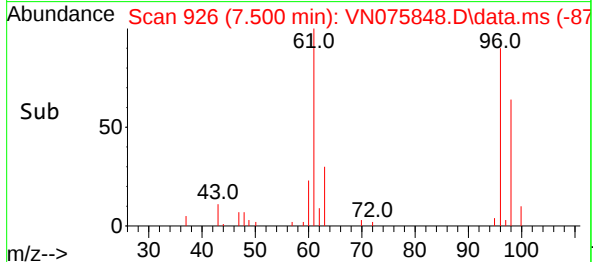
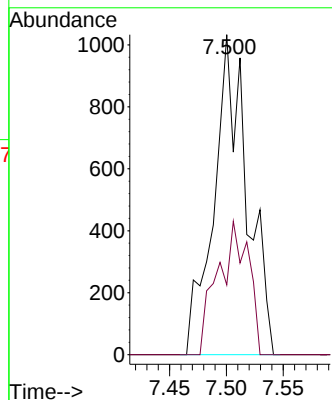
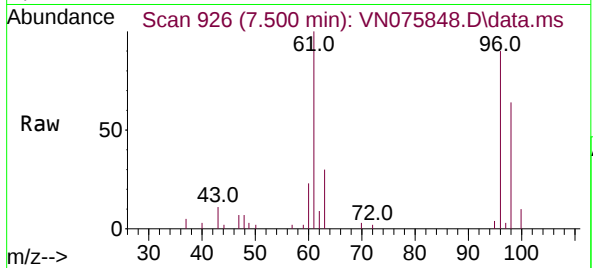




#25
2-Butanone
Concen: 1.070 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

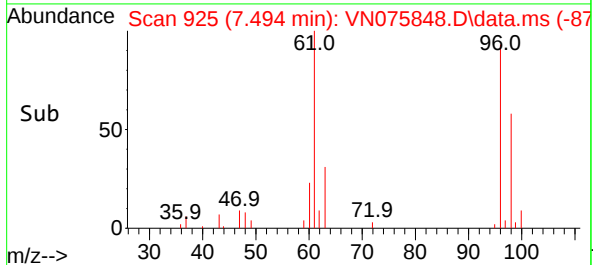
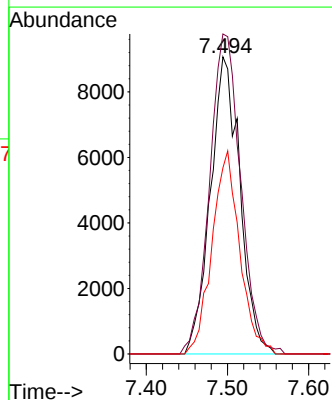
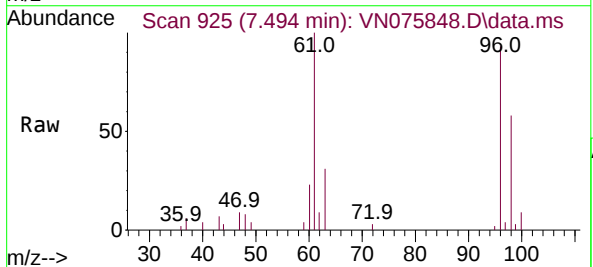
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-270-289-121522

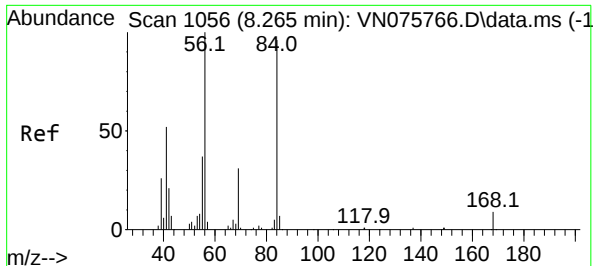
Tgt Ion: 43 Resp: 2100
Ion Ratio Lower Upper
43 100
72 21.8 28.0 42.0#



#27
cis-1,2-Dichloroethene
Concen: 5.277 ug/l
RT: 7.494 min Scan# 925
Delta R.T. -0.000 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

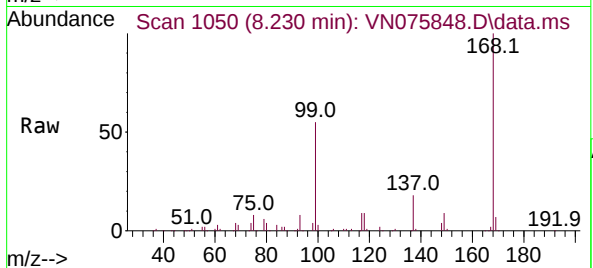
Tgt Ion: 96 Resp: 22885
Ion Ratio Lower Upper
96 100
61 113.4 0.0 247.8
98 64.3 0.0 128.4



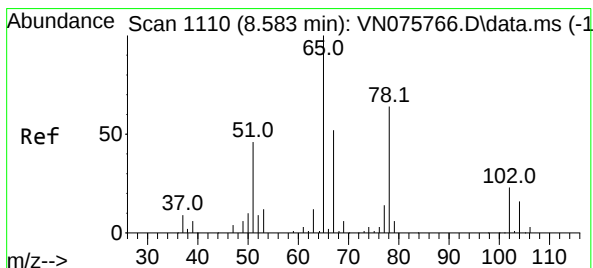
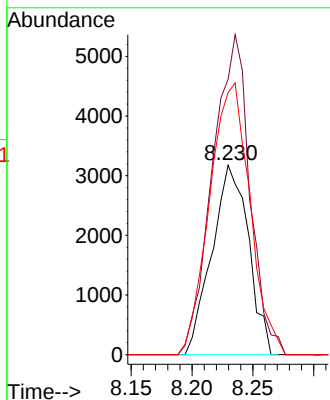
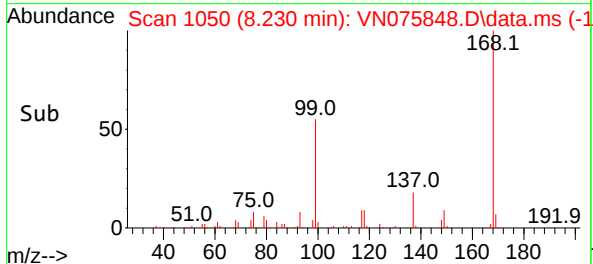


#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-270-289-121522

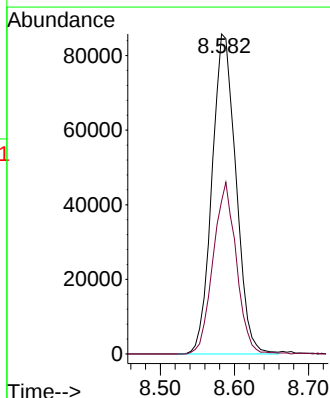
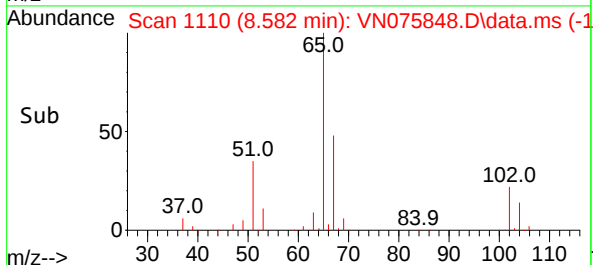
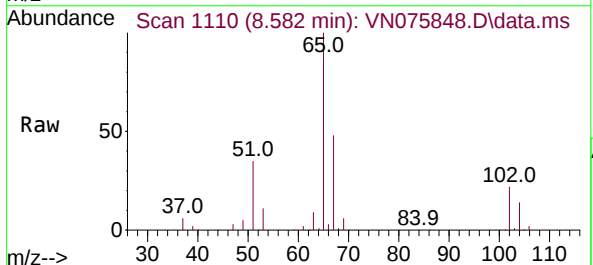


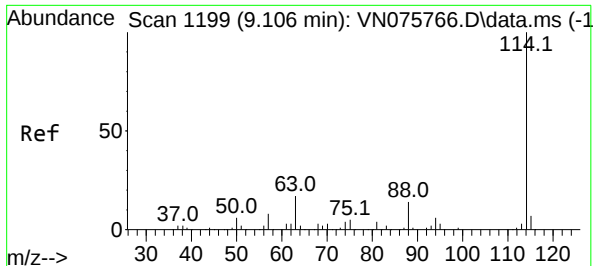
Tgt Ion: 56 Resp: 6656
Ion Ratio Lower Upper
56 100
69 145.4 24.7 37.1#
84 138.5 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 47.431 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

Tgt Ion: 65 Resp: 192773
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: VN075848.D

Acq: 16 Dec 2022 15:26

Instrument :

MSVOA_N

ClientSampleId :

GW-BR-04-270-289-121522

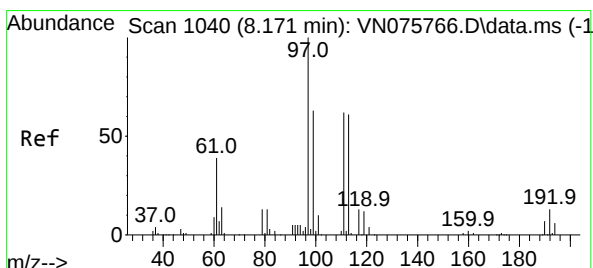
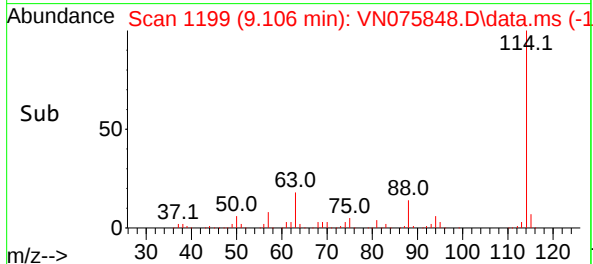
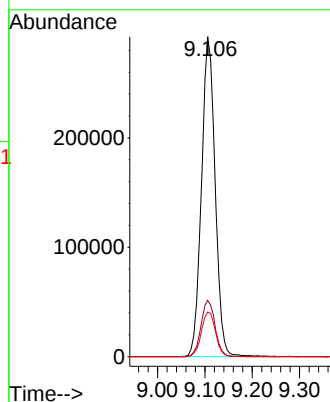
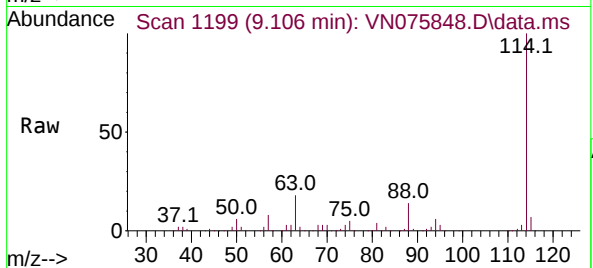
Tgt Ion:114 Resp: 588787

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 13.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 46.970 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075848.D

Acq: 16 Dec 2022 15:26

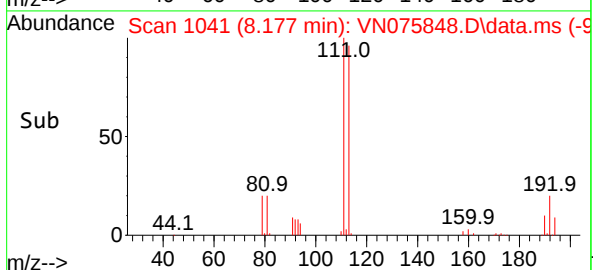
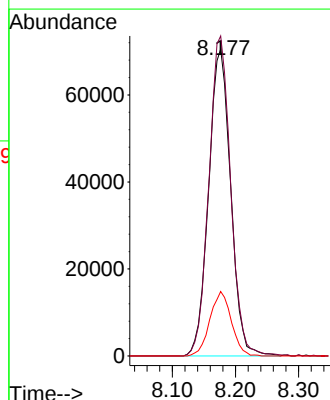
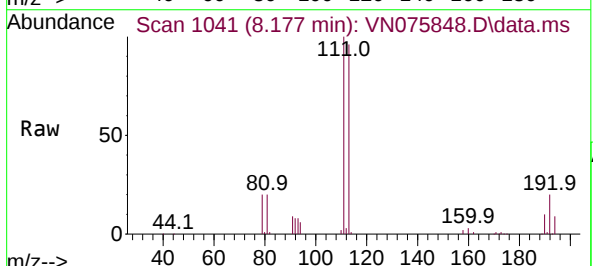
Tgt Ion:113 Resp: 171267

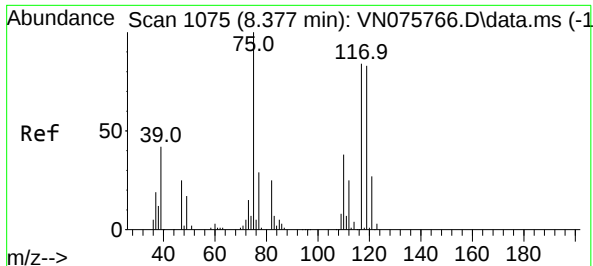
Ion Ratio Lower Upper

113 100

111 103.1 83.4 125.2

192 20.4 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.516 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN075848.D

Acq: 16 Dec 2022 15:26

Instrument :

MSVOA_N

ClientSampleId :

GW-BR-04-270-289-121522

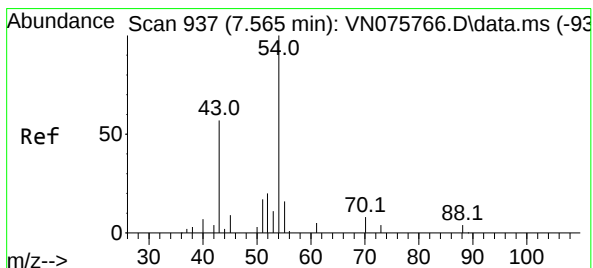
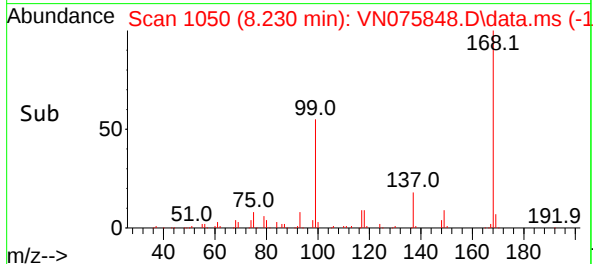
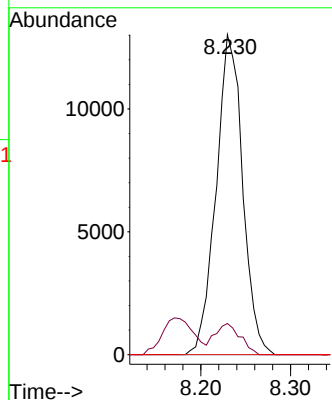
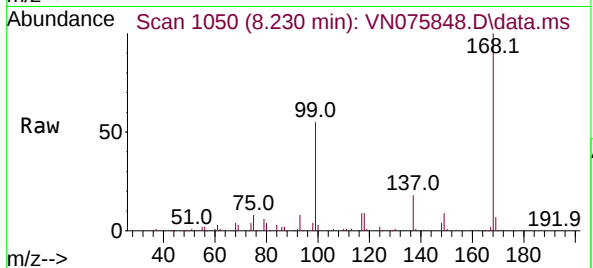
Tgt Ion: 75 Resp: 26716

Ion Ratio Lower Upper

75 100

110 9.3 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 0.540 ug/l

RT: 7.500 min Scan# 926

Delta R.T. -0.065 min

Lab File: VN075848.D

Acq: 16 Dec 2022 15:26

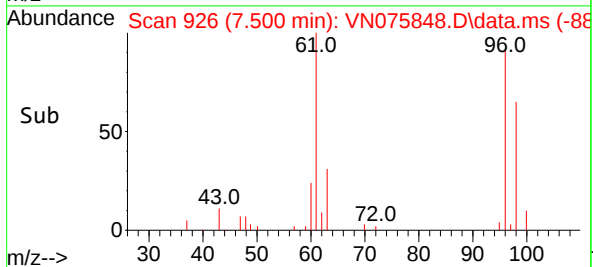
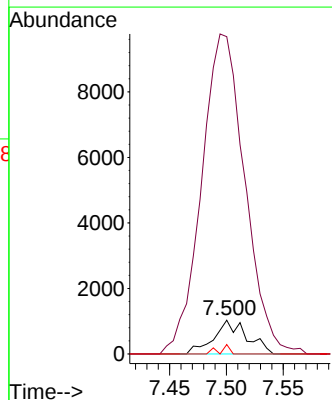
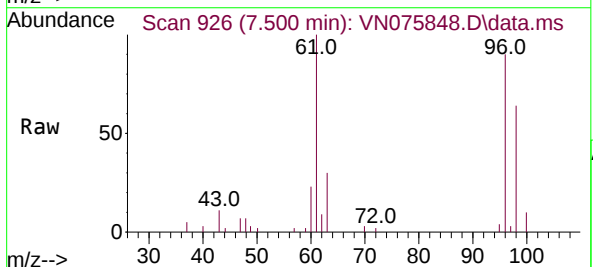
Tgt Ion: 43 Resp: 2100

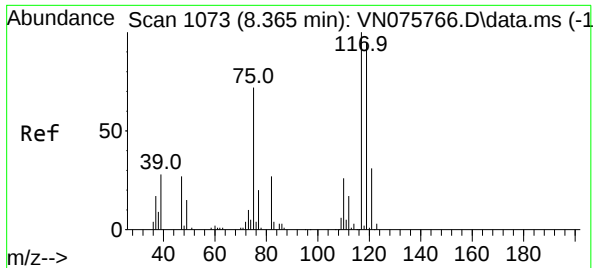
Ion Ratio Lower Upper

43 100

61 1235.8 13.0 19.4#

70 8.0 9.4 14.0#

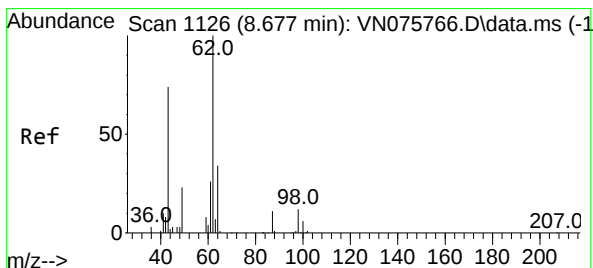
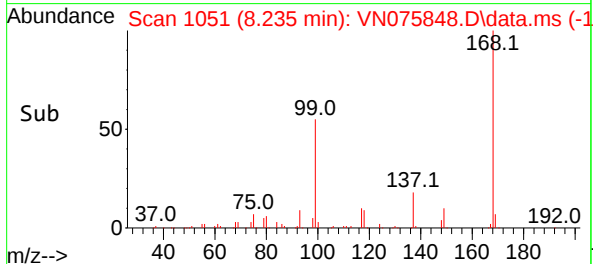
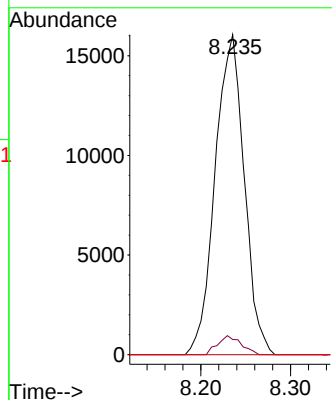
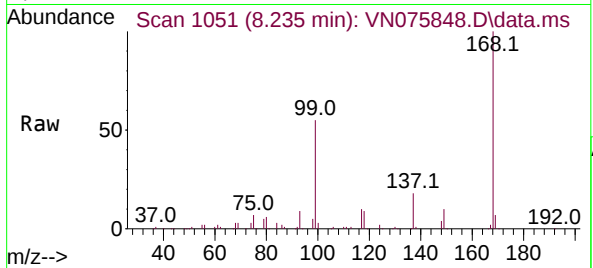




#38
Carbon Tetrachloride
Concen: 6.668 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

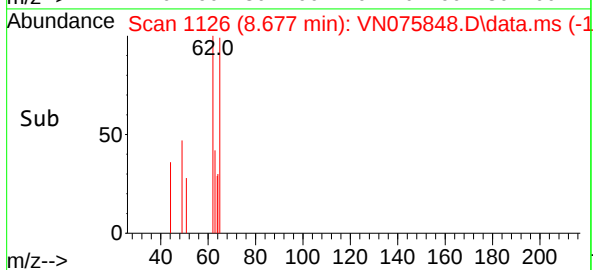
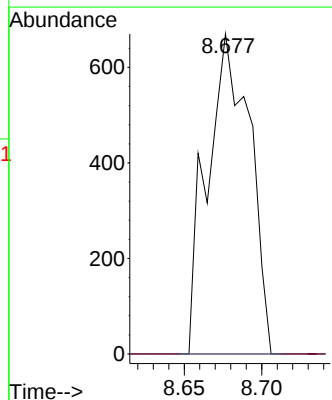
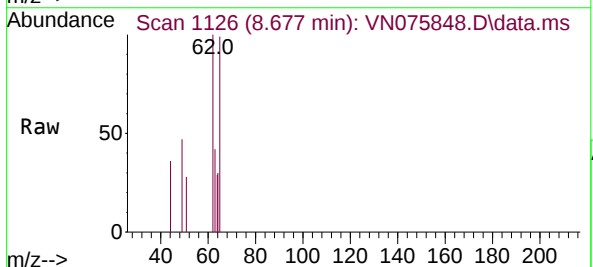
Instrument : MSVOA_N
ClientSampleId : GW-BR-04-270-289-121522

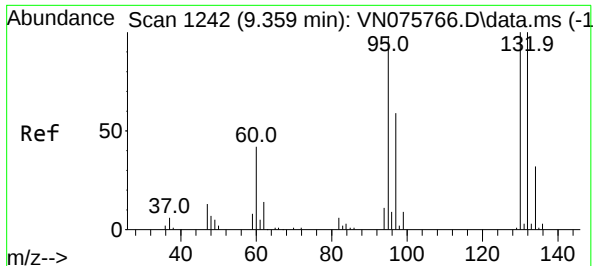
Tgt Ion:117 Resp: 36148
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.5 36.7#



#42
1,2-Dichloroethane
Concen: 0.257 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

Tgt Ion: 62 Resp: 1279
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

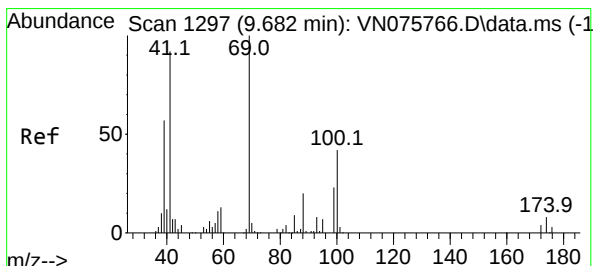
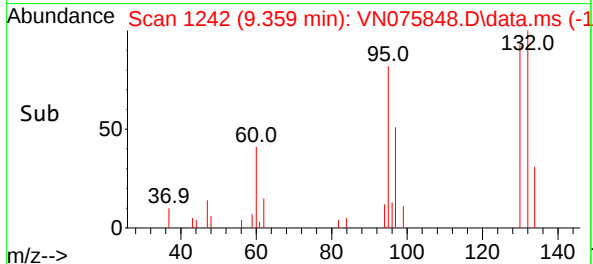
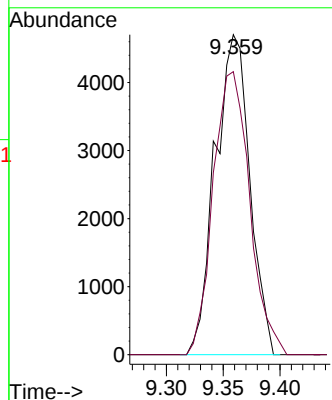
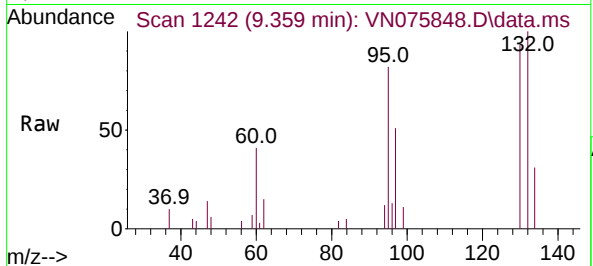




#44
Trichloroethene
Concen: 2.375 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

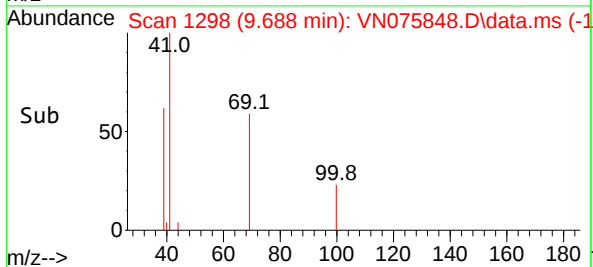
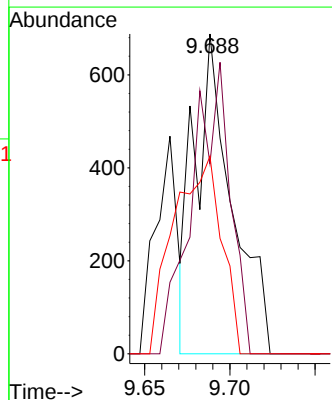
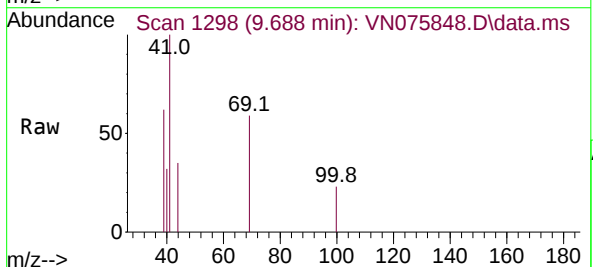
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-270-289-121522

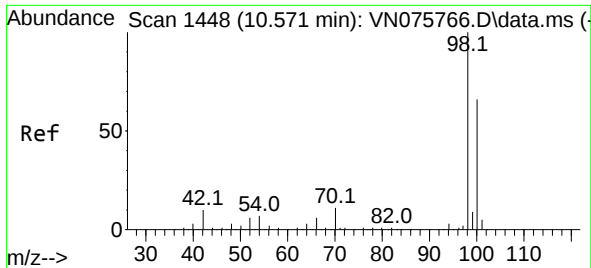
Tgt Ion:130 Resp: 10001
Ion Ratio Lower Upper
130 100
95 88.5 0.0 195.4



#48
Methyl methacrylate
Concen: 0.363 ug/l
RT: 9.688 min Scan# 1298
Delta R.T. 0.006 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

Tgt Ion: 41 Resp: 1048
Ion Ratio Lower Upper
41 100
69 92.6 81.9 122.9
39 79.5 51.6 77.4#

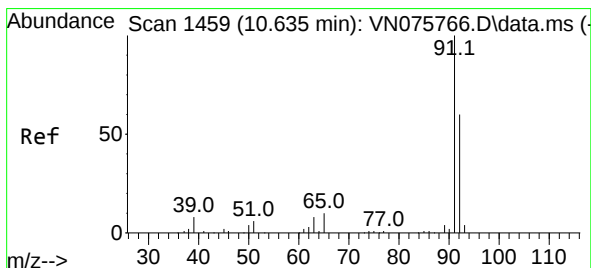
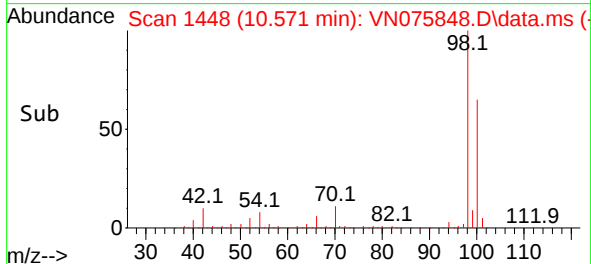
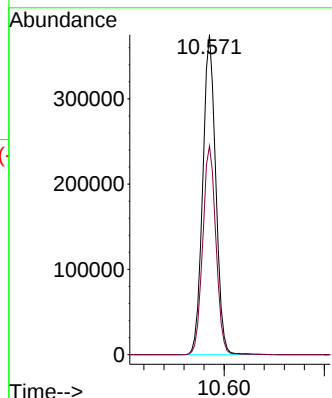
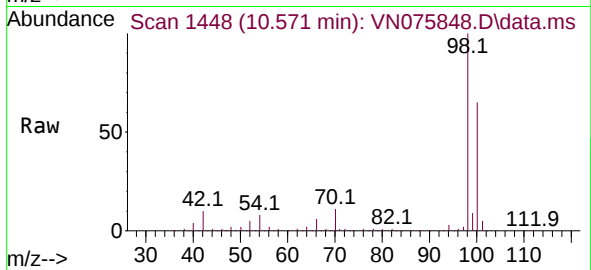




#50
Toluene-d8
Concen: 49.488 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

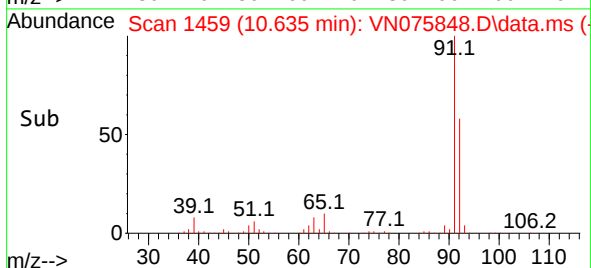
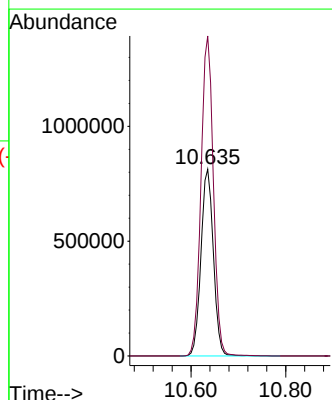
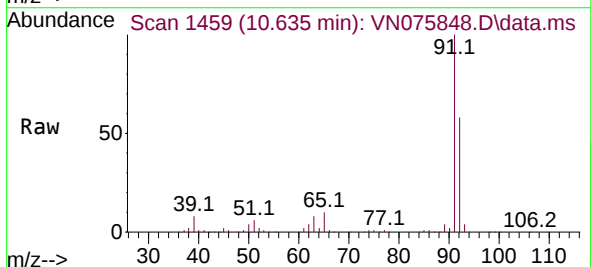
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-270-289-121522

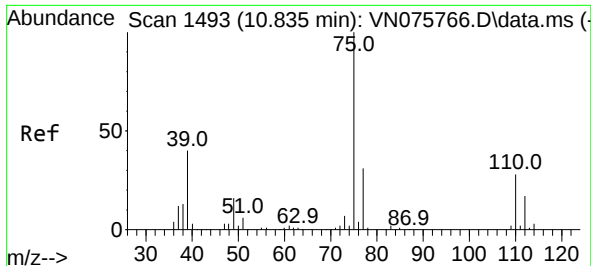
Tgt Ion: 98 Resp: 674676
Ion Ratio Lower Upper
98 100
100 66.2 52.1 78.1



#52
Toluene
Concen: 151.773 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

Tgt Ion: 92 Resp: 1477205
Ion Ratio Lower Upper
92 100
91 171.2 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 3.332 ug/l

RT: 10.635 min Scan# 14

Delta R.T. -0.200 min

Lab File: VN075848.D

Acq: 16 Dec 2022 15:26

Instrument :

MSVOA_N

ClientSampleId :

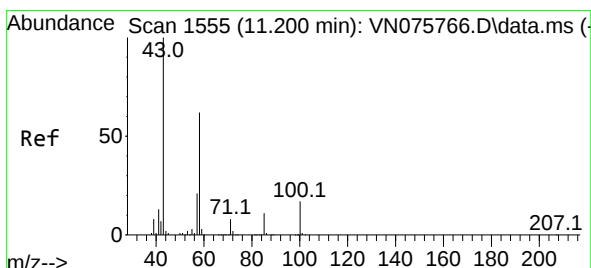
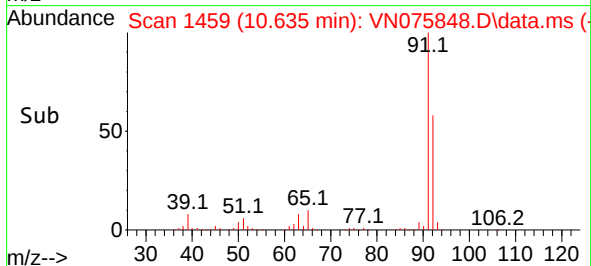
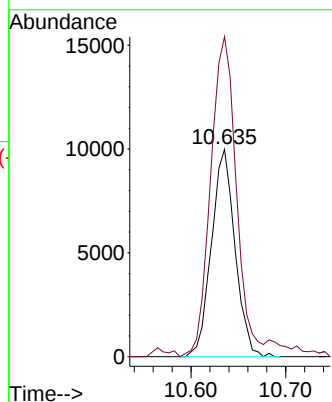
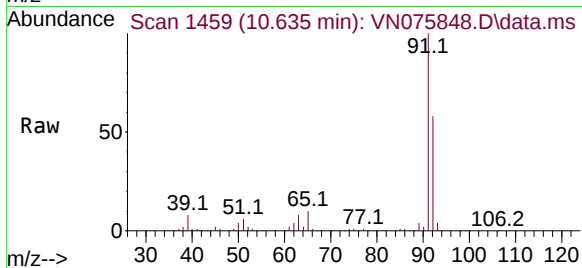
GW-BR-04-270-289-121522

Tgt Ion: 75 Resp: 17253

Ion Ratio Lower Upper

75 100

77 154.3 24.9 37.3#



#59

2-Hexanone

Concen: 0.213 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN075848.D

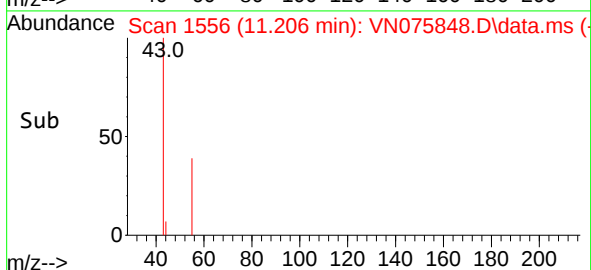
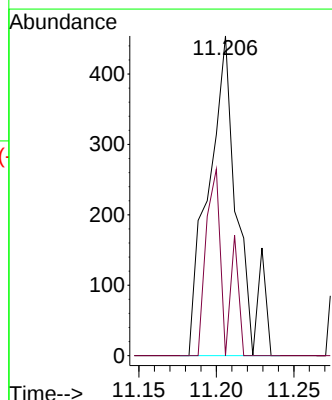
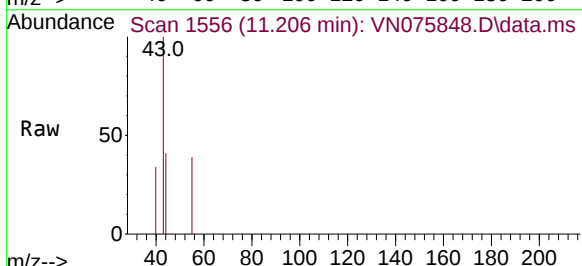
Acq: 16 Dec 2022 15:26

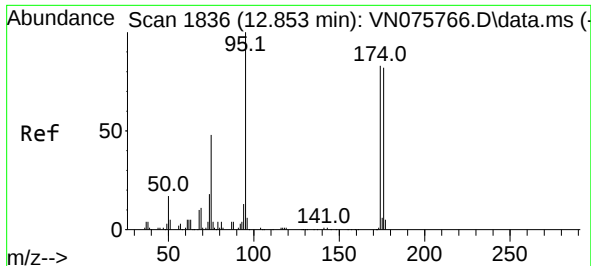
Tgt Ion: 43 Resp: 602

Ion Ratio Lower Upper

43 100

58 37.2 30.6 92.0

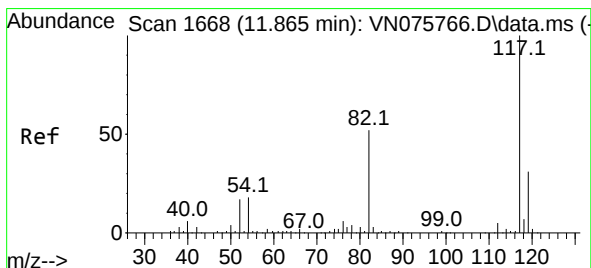
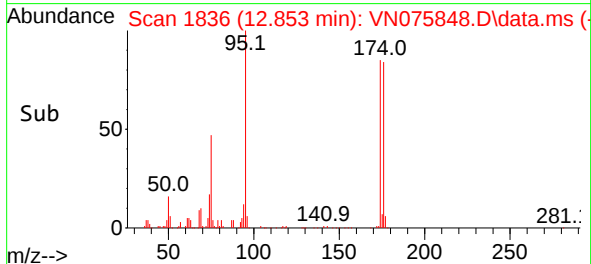
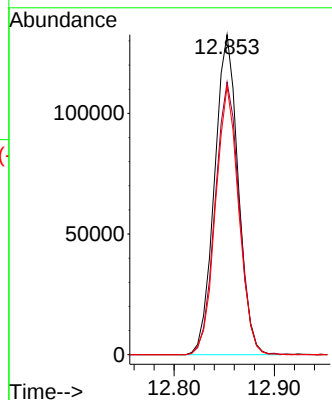
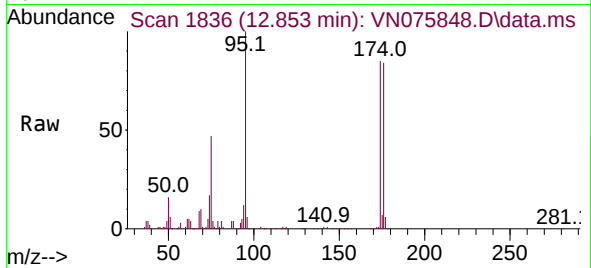




#62
4-Bromofluorobenzene
Concen: 48.191 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

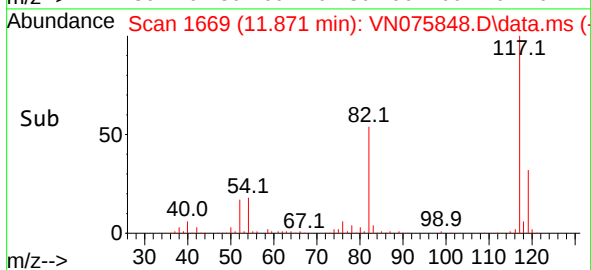
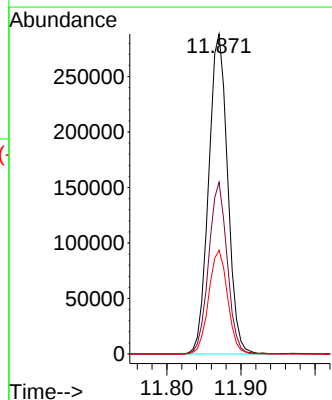
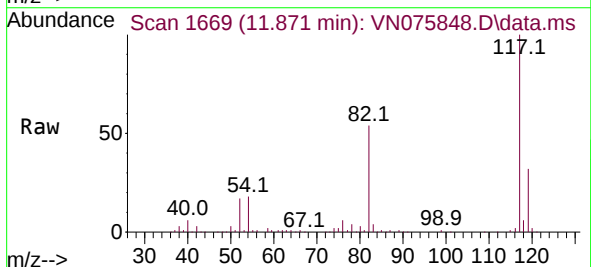
Instrument : MSVOA_N
ClientSampleId : GW-BR-04-270-289-121522

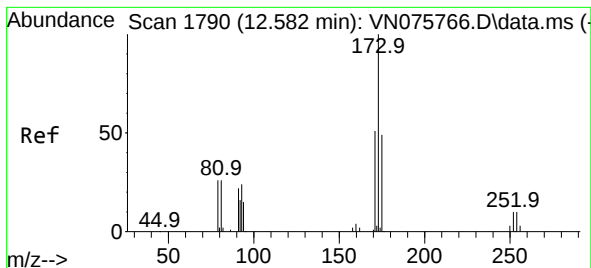
Tgt Ion: 95 Resp: 217601
Ion Ratio Lower Upper
95 100
174 86.4 0.0 171.6
176 82.1 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

Tgt Ion: 117 Resp: 513133
Ion Ratio Lower Upper
117 100
82 53.7 41.3 61.9
119 32.4 24.6 37.0





#71

Bromoform

Concen: 0.473 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN075848.D

Acq: 16 Dec 2022 15:26

Instrument :

MSVOA_N

ClientSampleId :

GW-BR-04-270-289-121522

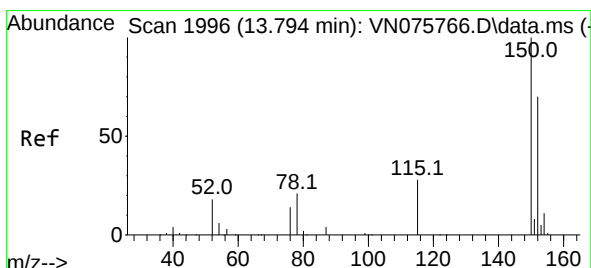
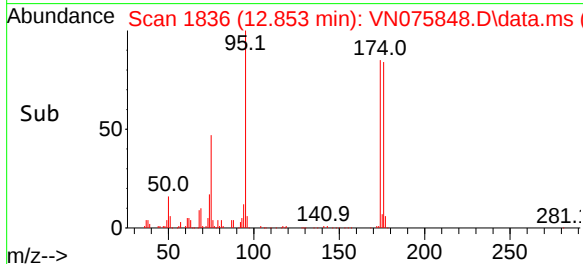
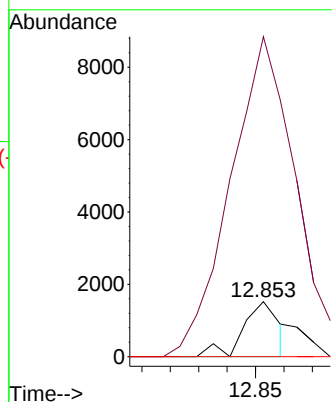
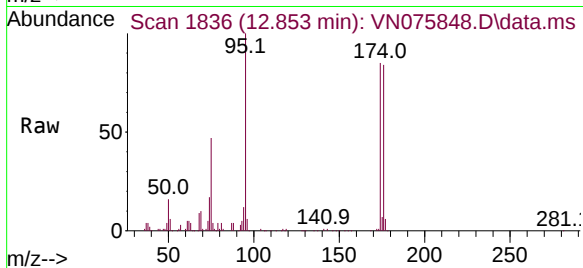
Tgt Ion:173 Resp: 1342

Ion Ratio Lower Upper

173 100

175 829.1 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: VN075848.D

Acq: 16 Dec 2022 15:26

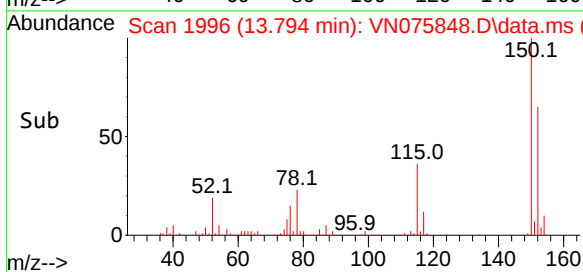
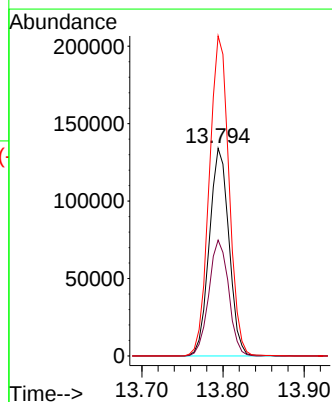
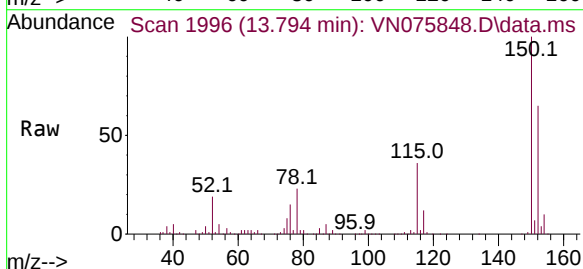
Tgt Ion:152 Resp: 225025

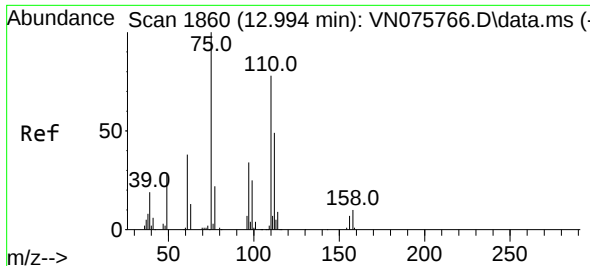
Ion Ratio Lower Upper

152 100

115 56.2 29.1 87.4

150 154.9 0.0 347.0

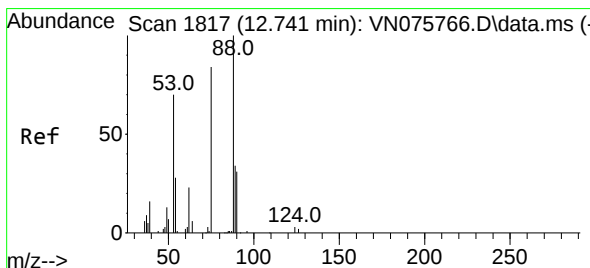
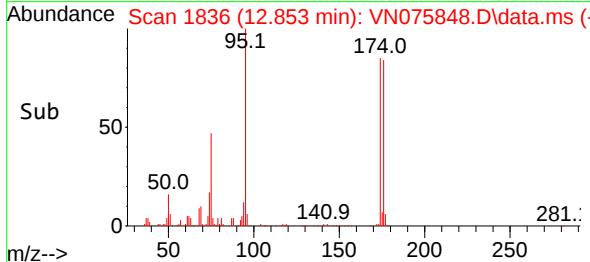
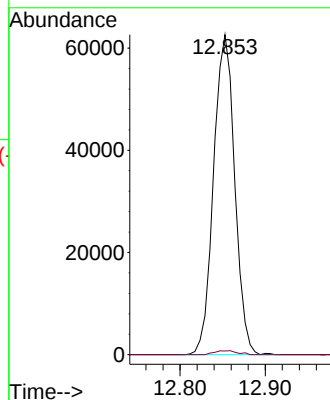
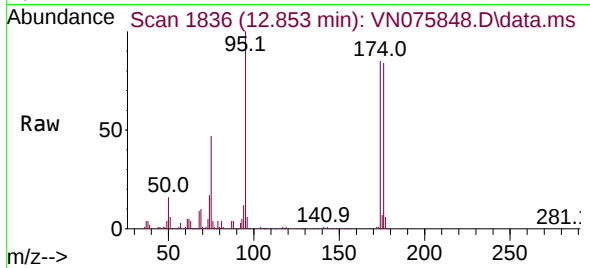




#76
1,2,3-Trichloropropane
Concen: 23.787 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

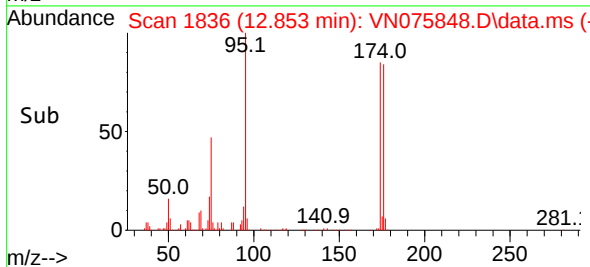
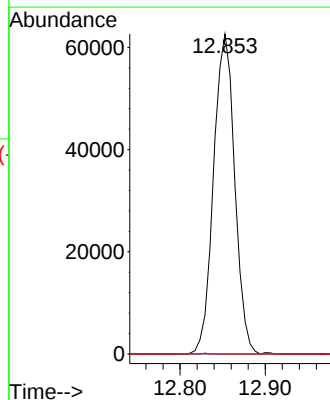
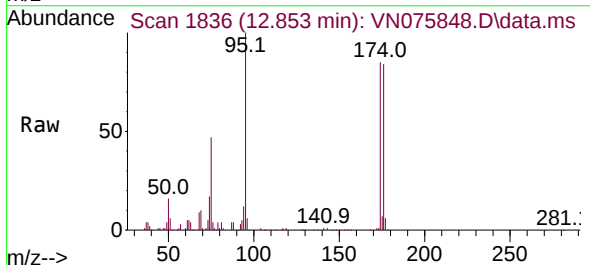
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-270-289-121522

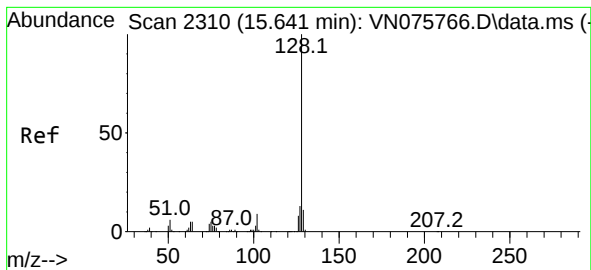
Tgt Ion: 75 Resp: 107898
Ion Ratio Lower Upper
75 100
77 1.4 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.622 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

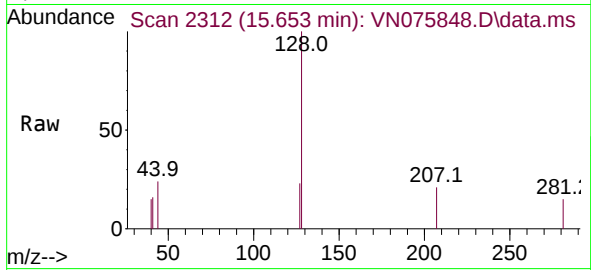
Tgt Ion: 75 Resp: 107898
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.341 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN075848.D
Acq: 16 Dec 2022 15:26

Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-270-289-121522



Tgt Ion:128 Resp: 2096
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 3.8 8.7 13.1#

