

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074676.D
 Acq On : 30 Sep 2022 18:53
 Operator : JC\MD
 Sample : N4933-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-678-680

Quant Time: Oct 03 02:07:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

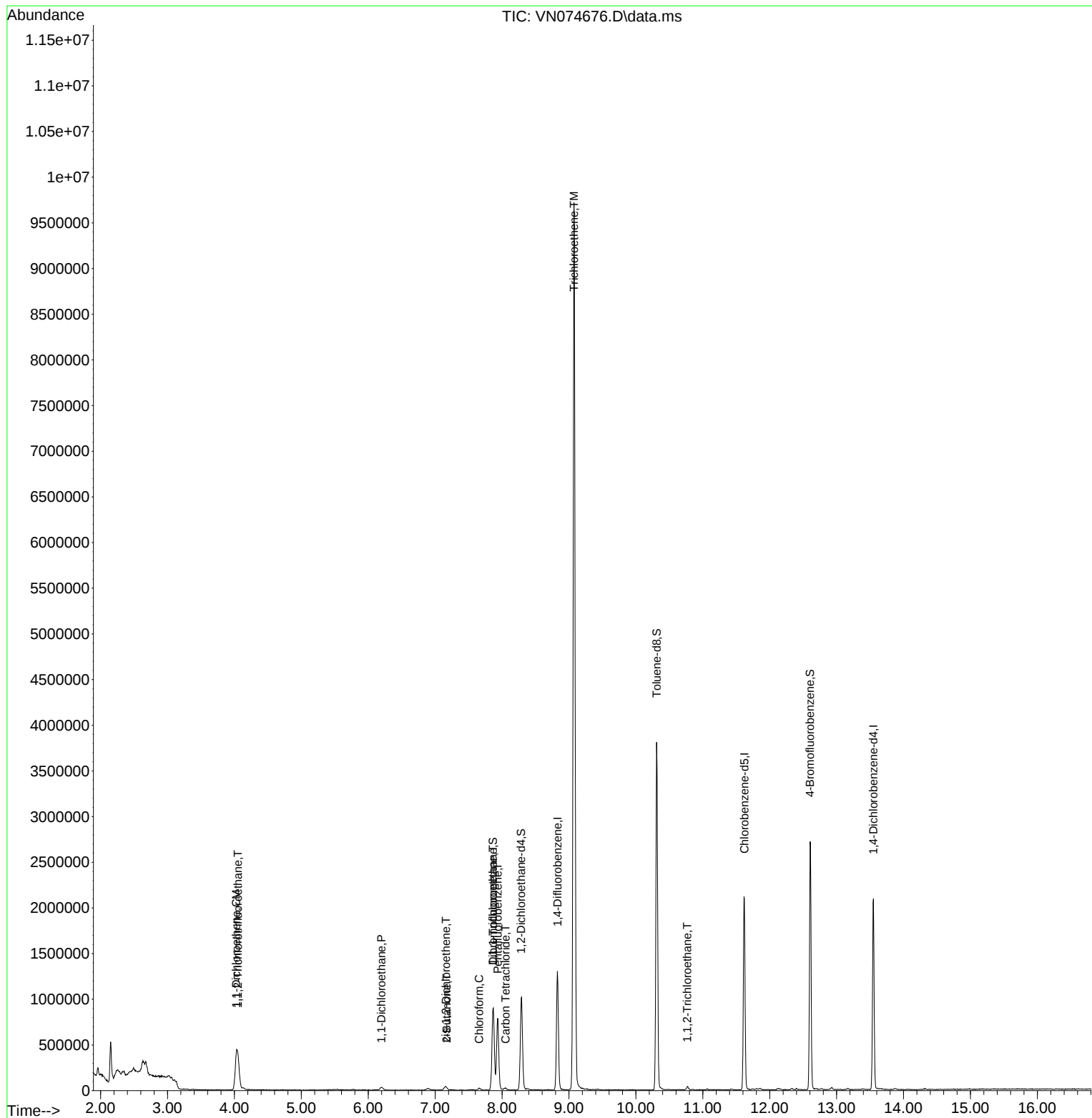
Internal Standards						
1) Pentafluorobenzene	7.934	168	557632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1075149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.622	117	1133594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	505472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	758089	54.244	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.480%	
35) Dibromofluoromethane	7.863	113	623401	54.781	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.560%	
50) Toluene-d8	10.310	98	2484504	51.904	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.800%	
62) 4-Bromofluorobenzene	12.604	95	812240	53.514	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.020%	
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	4.051	101	187885	18.285	ug/l	Qvalue 90
12) 1,1-Dichloroethene	4.028	96	145018	13.924	ug/l	96
24) 1,1-Dichloroethane	6.198	63	44842	1.920	ug/l	97
25) 2-Butanone	7.175	43	16469	1.280	ug/l #	64
27) cis-1,2-Dichloroethene	7.163	96	19491	1.401	ug/l	99
30) Chloroform	7.657	83	18339	0.852	ug/l	87
32) 1,1,1-Trichloroethane	7.863	97	20290	1.074	ug/l	95
38) Carbon Tetrachloride	8.051	117	13260	0.794	ug/l #	96
44) Trichloroethene	9.075	130	3097663	264.693	ug/l	86
55) 1,1,2-Trichloroethane	10.769	97	12548	0.918	ug/l	98

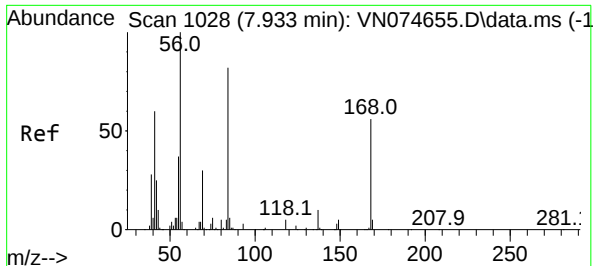
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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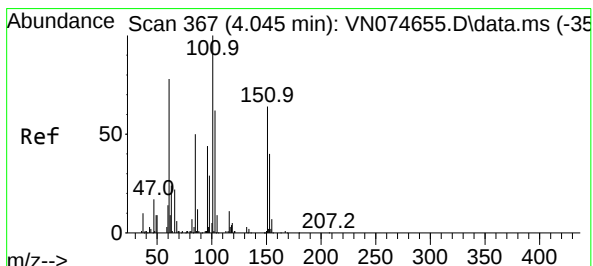
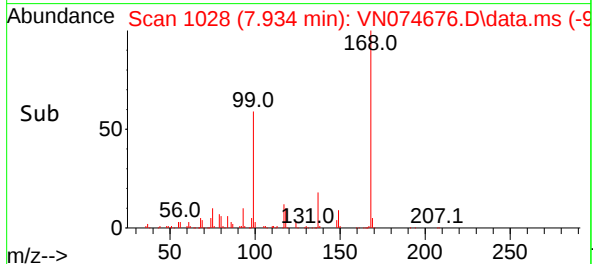
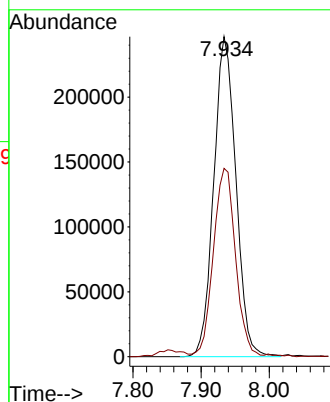
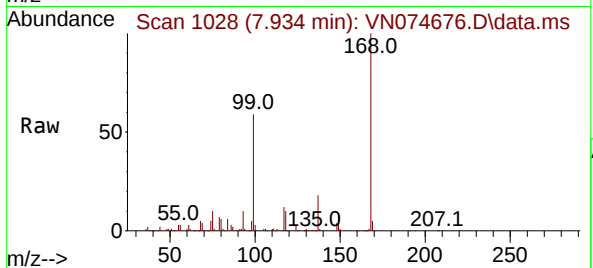




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074676.D
Acq: 30 Sep 2022 18:53

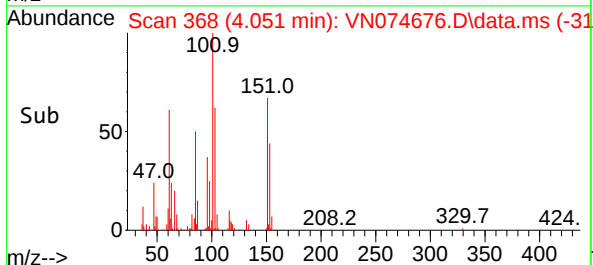
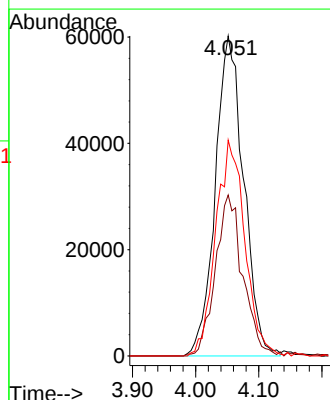
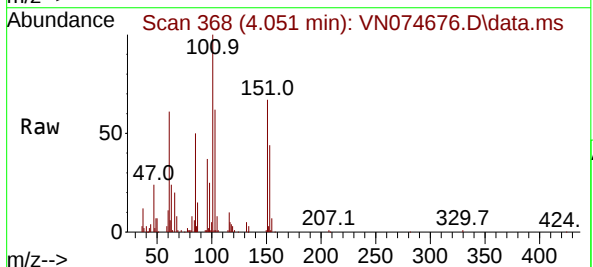
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-678-680

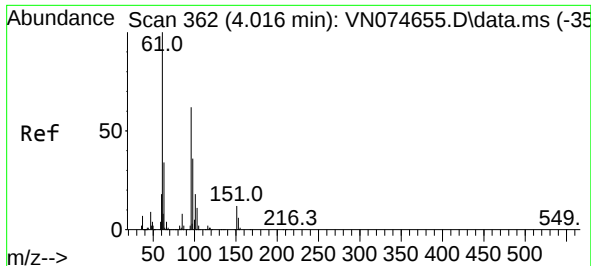
Tgt Ion:168 Resp: 557632
Ion Ratio Lower Upper
168 100
99 58.4 42.3 63.5



#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.285 ug/l
RT: 4.051 min Scan# 368
Delta R.T. 0.006 min
Lab File: VN074676.D
Acq: 30 Sep 2022 18:53

Tgt Ion:101 Resp: 187885
Ion Ratio Lower Upper
101 100
85 48.6 34.7 52.1
151 69.1 63.0 94.4

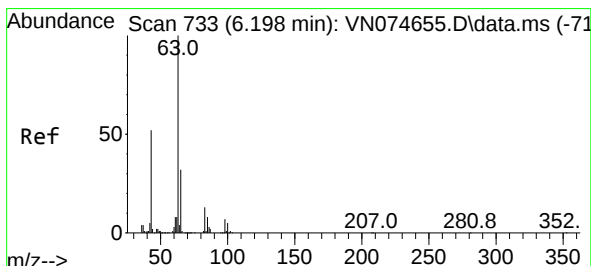
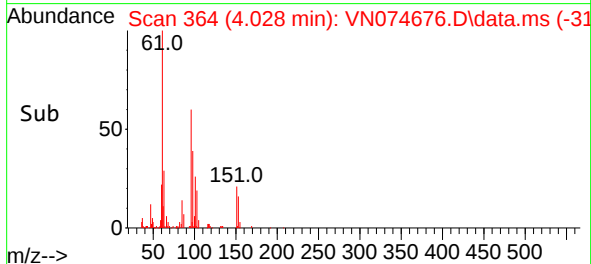
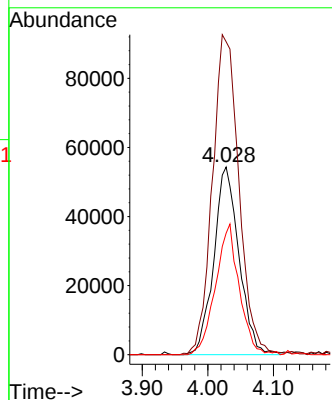
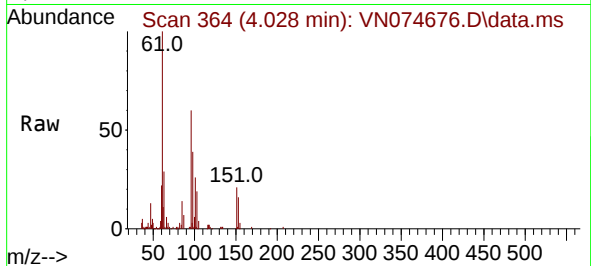




#12
 1,1-Dichloroethene
 Concen: 13.924 ug/l
 RT: 4.028 min Scan# 362
 Delta R.T. 0.012 min
 Lab File: VN074676.D
 Acq: 30 Sep 2022 18:53

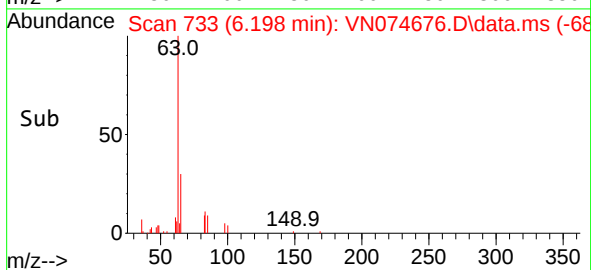
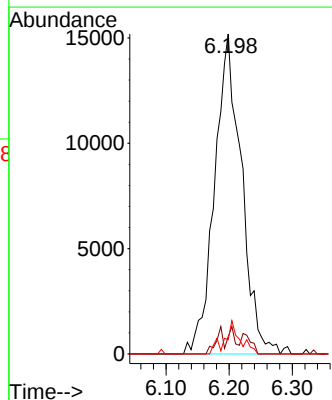
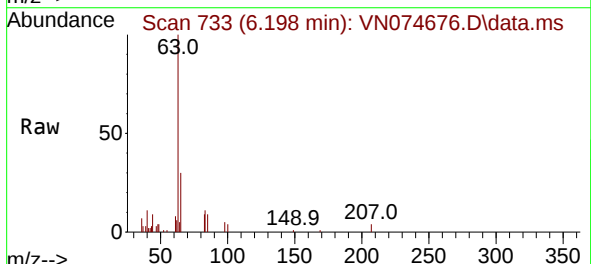
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-678-680

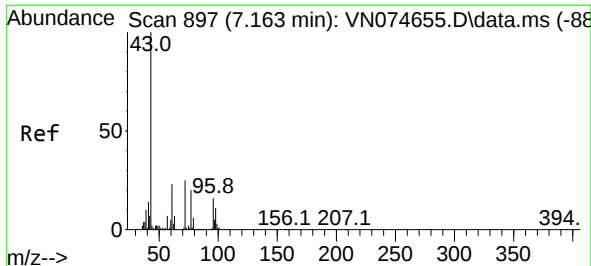
Tgt Ion: 96 Resp: 145018
 Ion Ratio Lower Upper
 96 100
 61 166.7 127.6 191.4
 98 64.7 51.2 76.8



#24
 1,1-Dichloroethane
 Concen: 1.920 ug/l
 RT: 6.198 min Scan# 733
 Delta R.T. 0.000 min
 Lab File: VN074676.D
 Acq: 30 Sep 2022 18:53

Tgt Ion: 63 Resp: 44842
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.5 10.4
 100 4.4 2.3 6.8

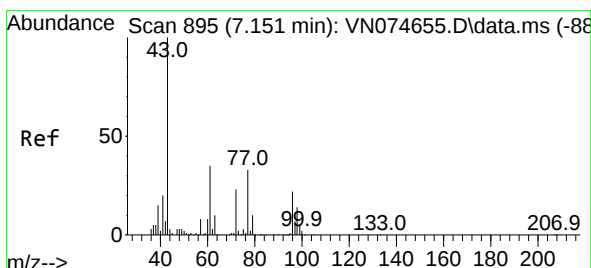
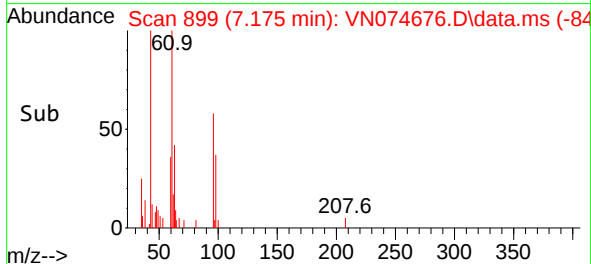
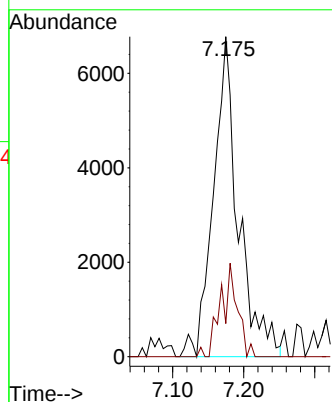
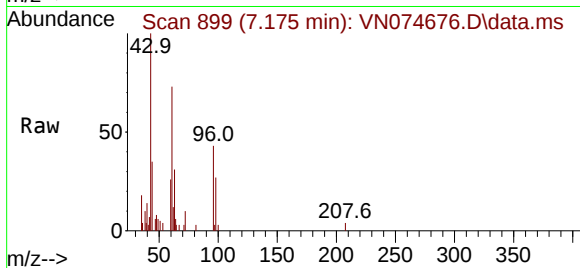




#25
2-Butanone
Concen: 1.280 ug/l
RT: 7.175 min Scan# 899
Delta R.T. 0.012 min
Lab File: VN074676.D
Acq: 30 Sep 2022 18:53

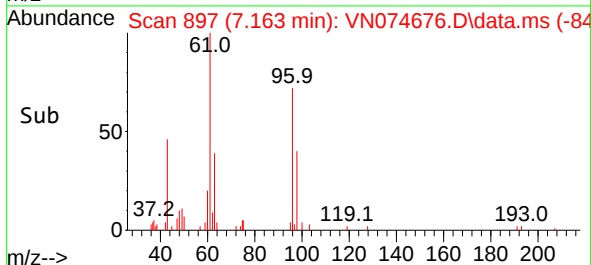
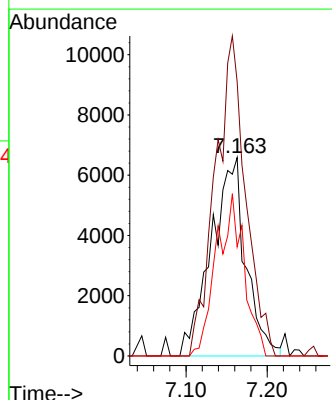
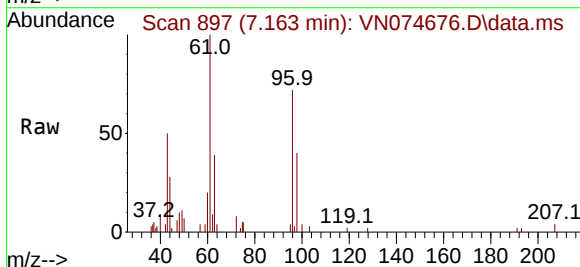
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-678-680

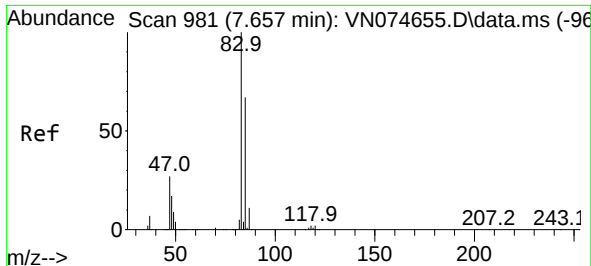
Tgt Ion: 43 Resp: 16469
Ion Ratio Lower Upper
43 100
72 10.3 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 1.401 ug/l
RT: 7.163 min Scan# 897
Delta R.T. 0.012 min
Lab File: VN074676.D
Acq: 30 Sep 2022 18:53

Tgt Ion: 96 Resp: 19491
Ion Ratio Lower Upper
96 100
61 141.8 0.0 280.6
98 65.3 0.0 128.4

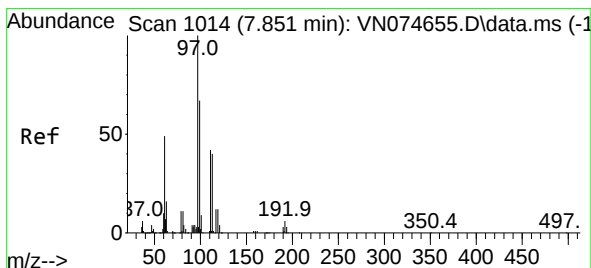
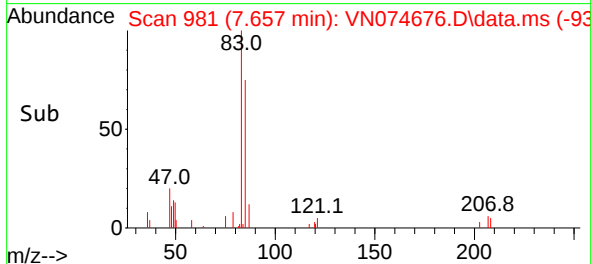
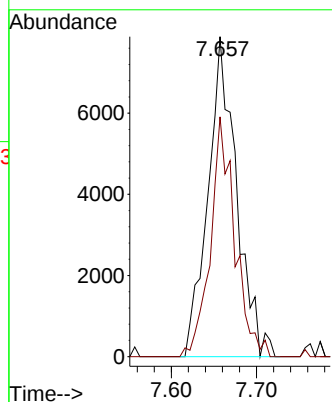
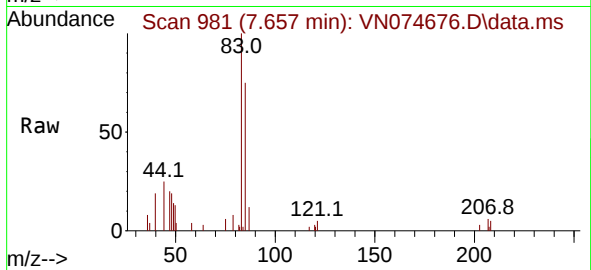




#30
Chloroform
Concen: 0.852 ug/l
RT: 7.657 min Scan# 981
Delta R.T. 0.000 min
Lab File: VN074676.D
Acq: 30 Sep 2022 18:53

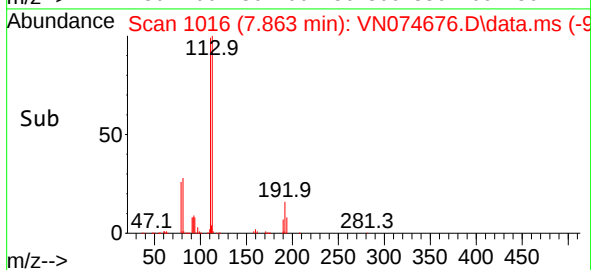
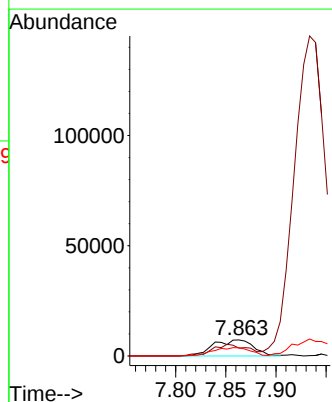
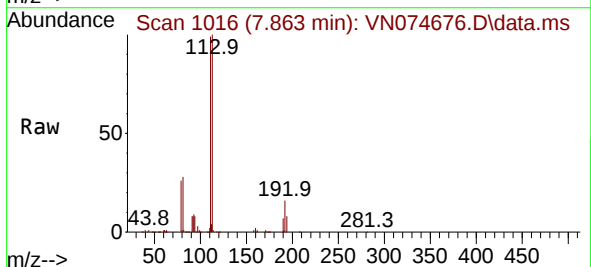
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-678-680

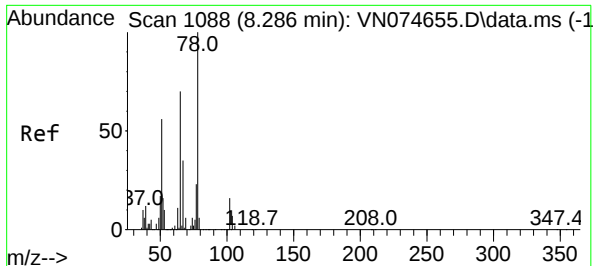
Tgt Ion: 83 Resp: 18339
Ion Ratio Lower Upper
83 100
85 74.9 51.8 77.8



#32
1,1,1-Trichloroethane
Concen: 1.074 ug/l
RT: 7.863 min Scan# 1016
Delta R.T. 0.012 min
Lab File: VN074676.D
Acq: 30 Sep 2022 18:53

Tgt Ion: 97 Resp: 20290
Ion Ratio Lower Upper
97 100
99 66.3 50.6 76.0
61 48.7 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 54.244 ug/l

RT: 8.287 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN074676.D

Acq: 30 Sep 2022 18:53

Instrument :

MSVOA_N

ClientSampleId :

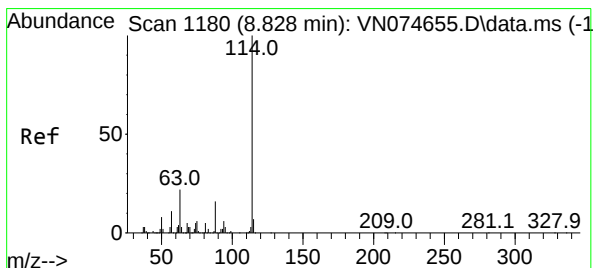
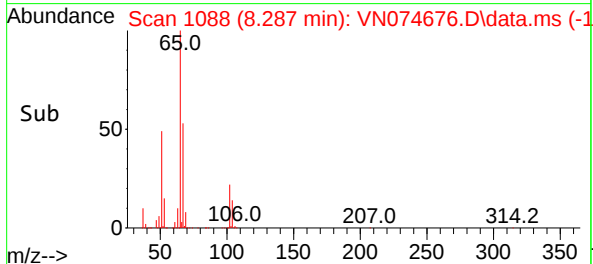
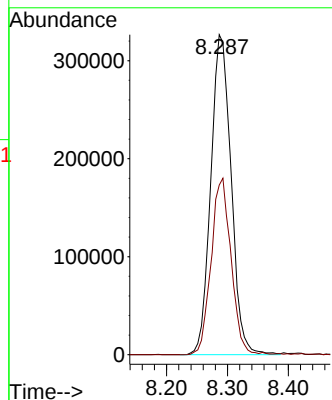
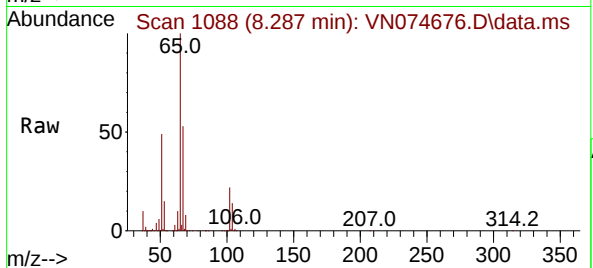
BP-VPB-RW5-GW-678-680

Tgt Ion: 65 Resp: 758089

Ion Ratio Lower Upper

65 100

67 54.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.828 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VN074676.D

Acq: 30 Sep 2022 18:53

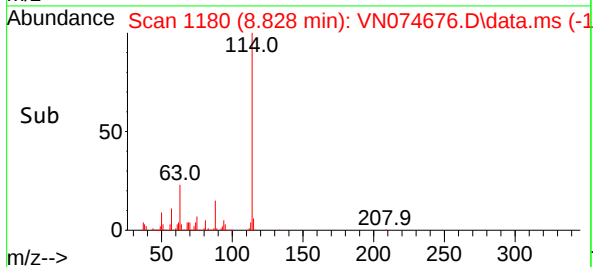
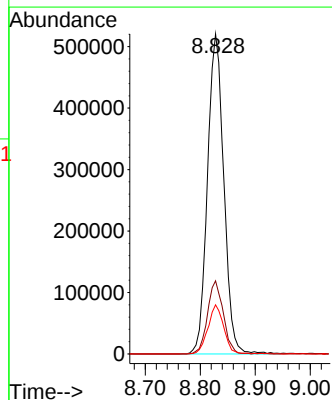
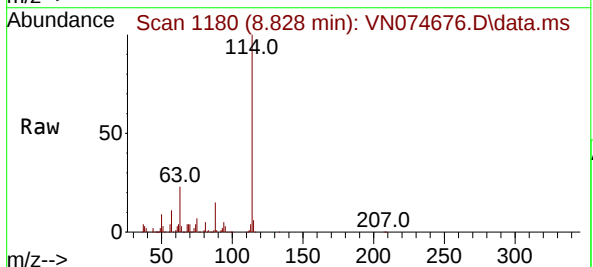
Tgt Ion: 114 Resp: 1075149

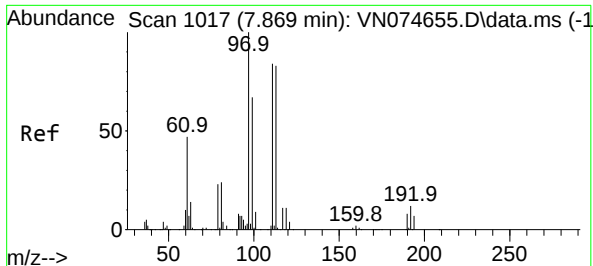
Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.781 ug/l

RT: 7.863 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VN074676.D

Acq: 30 Sep 2022 18:53

Instrument :

MSVOA_N

ClientSampleId :

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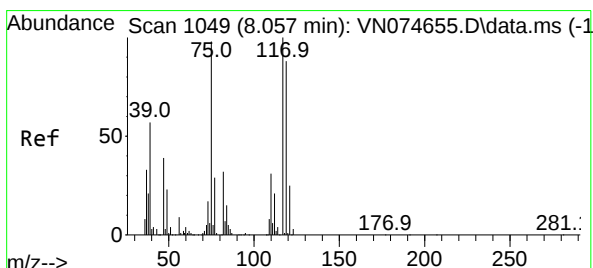
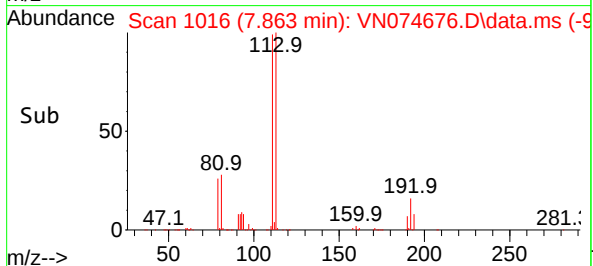
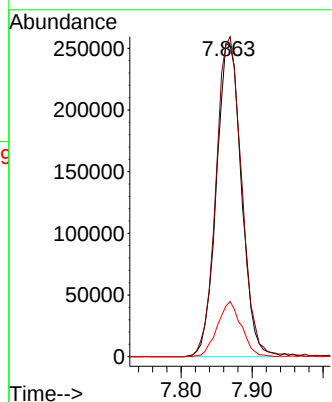
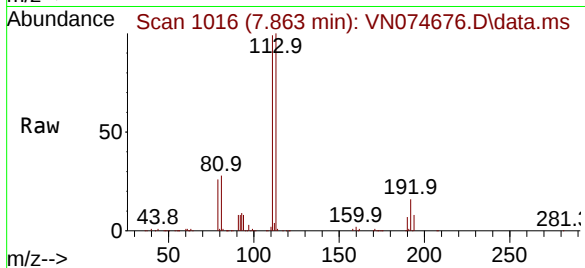
Tgt Ion:113 Resp: 623401

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 16.9 17.0 25.6#



#38

Carbon Tetrachloride

Concen: 0.794 ug/l

RT: 8.051 min Scan# 1048

Delta R.T. -0.006 min

Lab File: VN074676.D

Acq: 30 Sep 2022 18:53

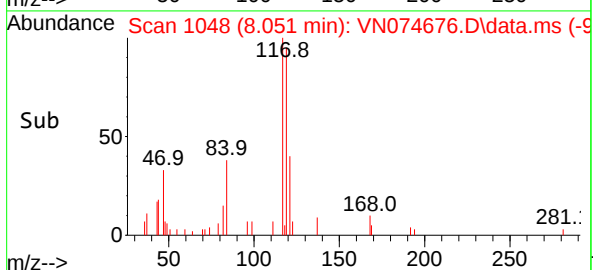
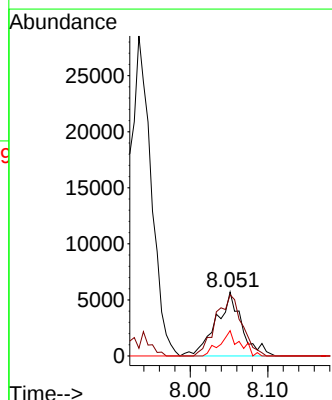
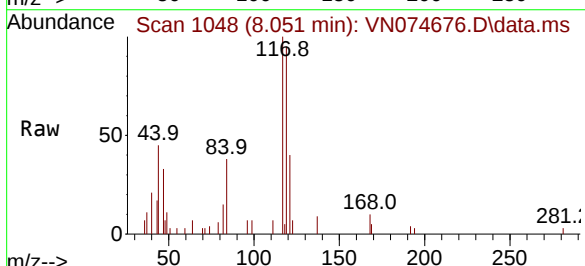
Tgt Ion:117 Resp: 13260

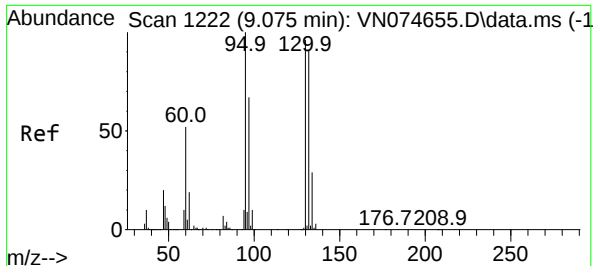
Ion Ratio Lower Upper

117 100

119 95.4 75.8 113.8

121 39.5 24.6 37.0#

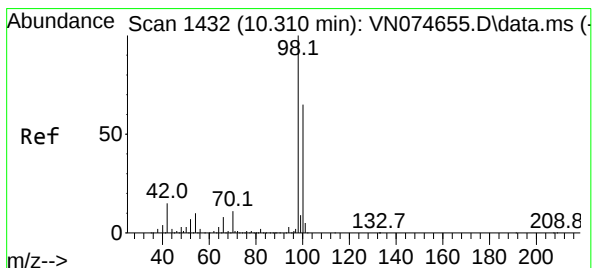
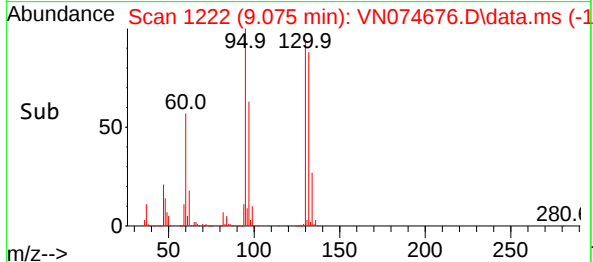
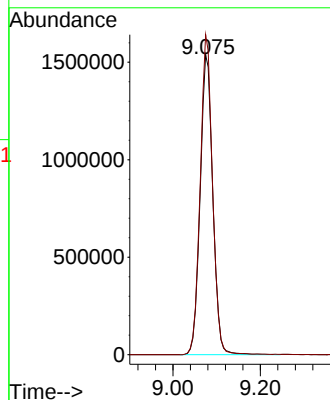
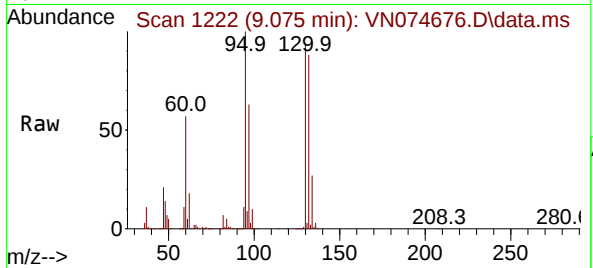




#44
Trichloroethene
Concen: 264.693 ug/l
RT: 9.075 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074676.D
Acq: 30 Sep 2022 18:53

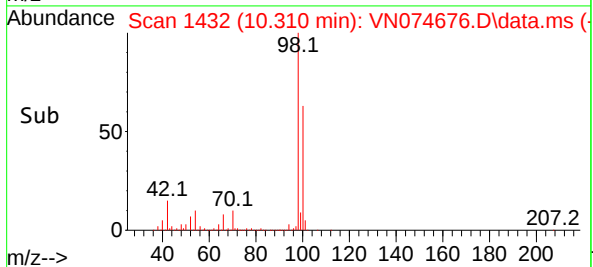
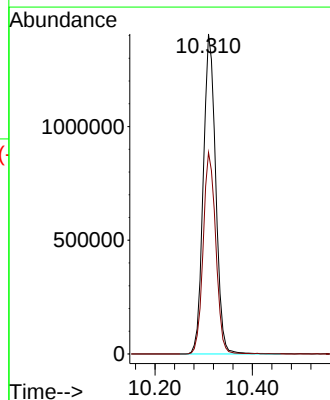
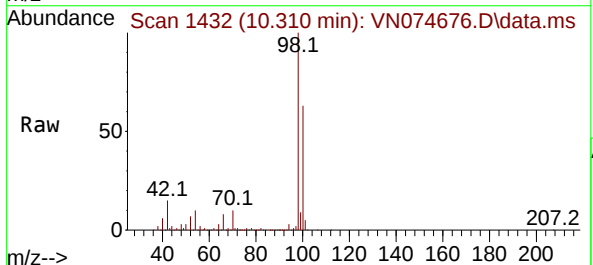
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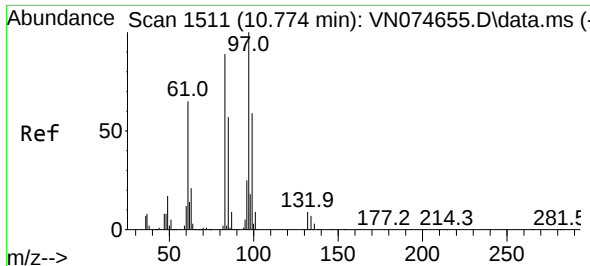
Tgt Ion:130 Resp: 3097663
Ion Ratio Lower Upper
130 100
95 106.7 0.0 186.8



#50
Toluene-d8
Concen: 51.904 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074676.D
Acq: 30 Sep 2022 18:53

Tgt Ion: 98 Resp: 2484504
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8

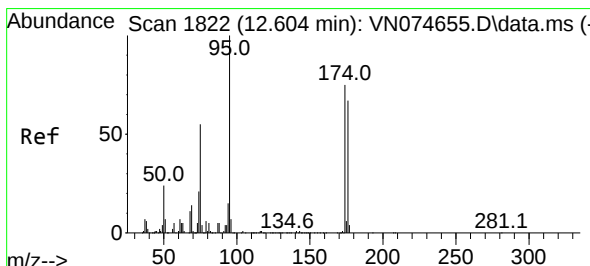
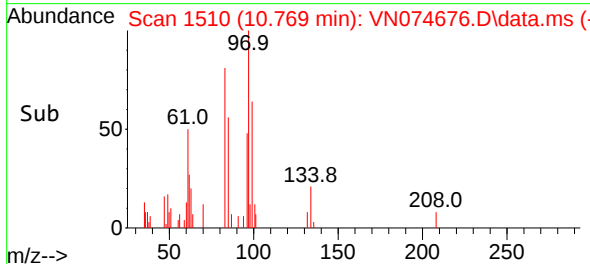
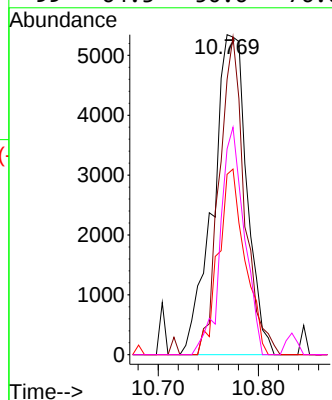
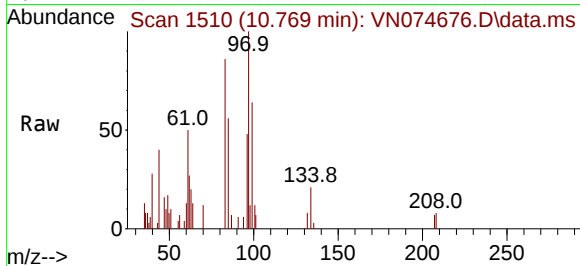




#55
1,1,2-Trichloroethane
Concen: 0.918 ug/l
RT: 10.769 min Scan# 1510
Delta R.T. -0.005 min
Lab File: VN074676.D
Acq: 30 Sep 2022 18:53

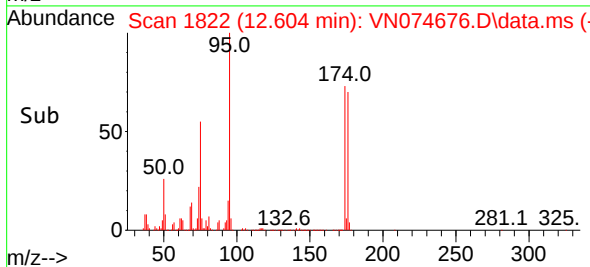
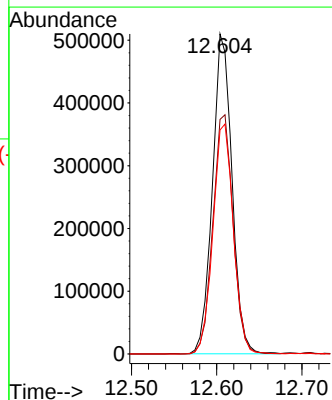
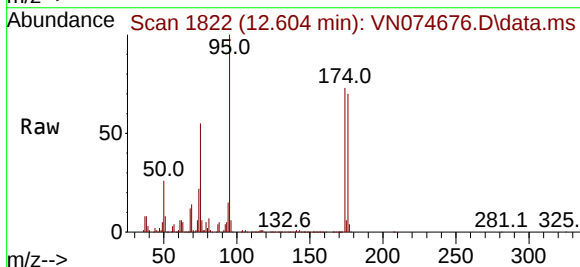
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-678-680

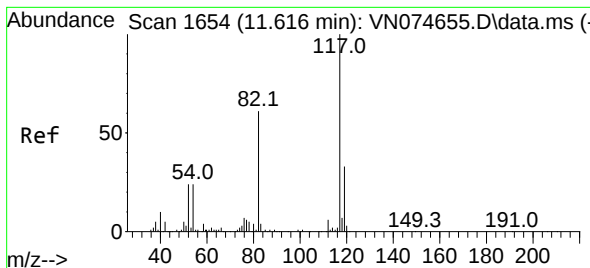
Tgt Ion:	97	Resp:	12548
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.2	99.4
85	56.4	43.9	65.9
99	64.3	50.6	76.0



#62
4-Bromofluorobenzene
Concen: 53.514 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074676.D
Acq: 30 Sep 2022 18:53

Tgt Ion:	95	Resp:	812240
Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	167.6
176	75.2	0.0	163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.622 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN074676.D

Acq: 30 Sep 2022 18:53

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-678-680

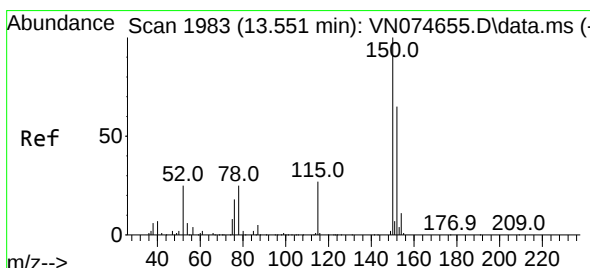
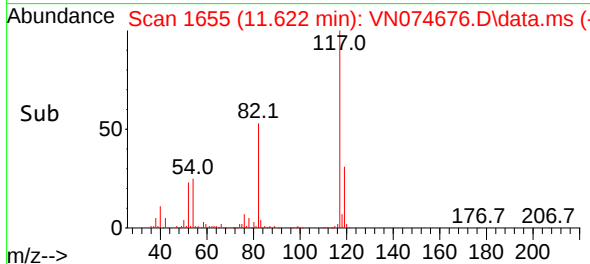
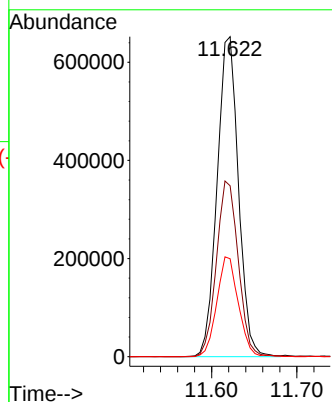
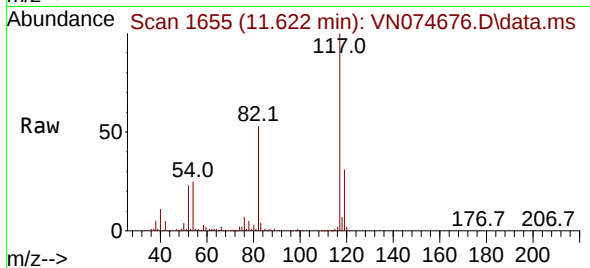
Tgt Ion:117 Resp: 1133594

Ion Ratio Lower Upper

117 100

82 53.4 44.2 66.2

119 30.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.551 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VN074676.D

Acq: 30 Sep 2022 18:53

Tgt Ion:152 Resp: 505472

Ion Ratio Lower Upper

152 100

115 60.0 28.9 86.7

150 157.7 0.0 356.2

