

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074677.D
 Acq On : 30 Sep 2022 19:18
 Operator : JC\MD
 Sample : N4933-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-698-700

Quant Time: Oct 03 02:08:13 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)

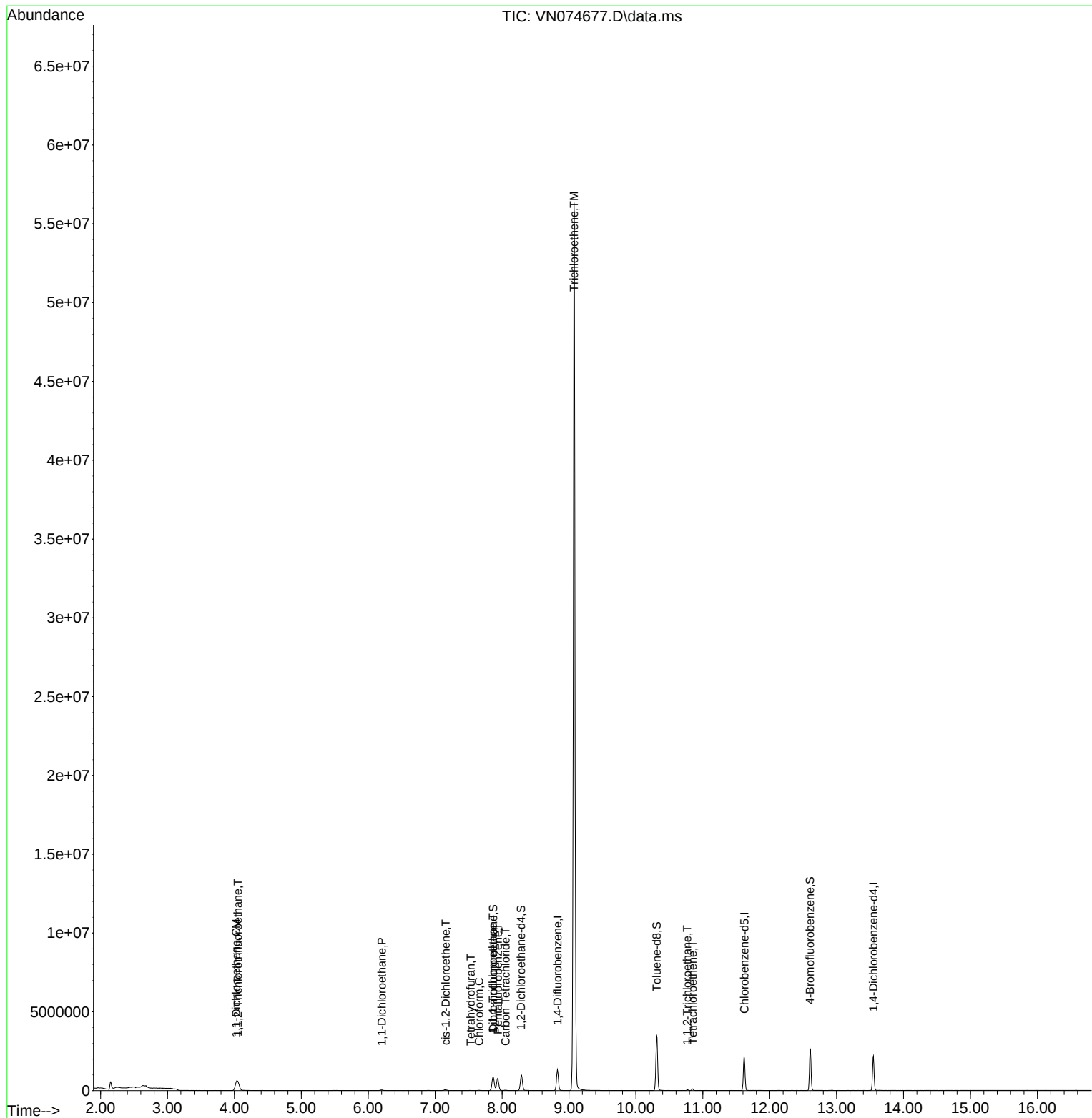
Internal Standards						
1) Pentafluorobenzene	7.939	168	563858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1081113	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.622	117	1133797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	524543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	726583	51.416	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.840%	
35) Dibromofluoromethane	7.869	113	591145	51.660	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.320%	
50) Toluene-d8	10.310	98	2303301	47.853	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.700%	
62) 4-Bromofluorobenzene	12.604	95	776189	50.856	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.720%	
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	4.051	101	301650	29.033	ug/l	Qvalue 88
12) 1,1-Dichloroethene	4.028	96	189950	18.037	ug/l	97
24) 1,1-Dichloroethane	6.204	63	60259	2.552	ug/l	96
27) cis-1,2-Dichloroethene	7.157	96	28366	2.016	ug/l	92
29) Tetrahydrofuran	7.534	42	7025	0.819	ug/l #	75
30) Chloroform	7.657	83	16677	0.766	ug/l	96
32) 1,1,1-Trichloroethane	7.863	97	22250	1.165	ug/l	98
38) Carbon Tetrachloride	8.051	117	16083	0.958	ug/l #	82
44) Trichloroethene	9.075	130	14797697	1257.475	ug/l	93
55) 1,1,2-Trichloroethane	10.769	97	13093	0.953	ug/l #	90
64) Tetrachloroethene	10.851	164	18173	1.896	ug/l #	91

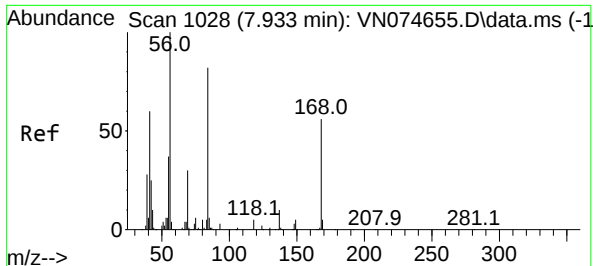
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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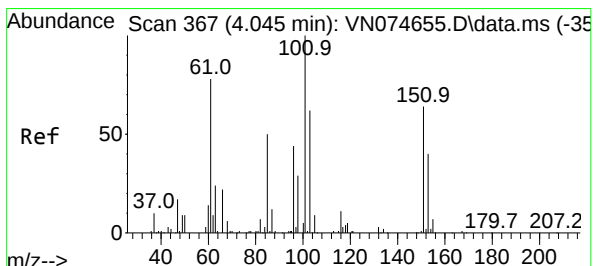
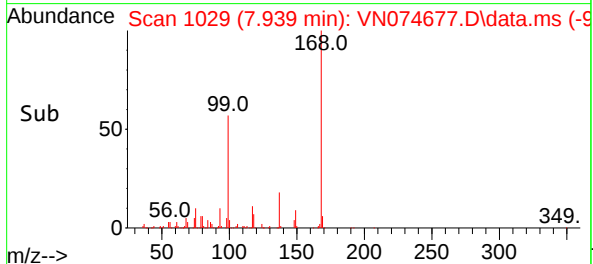
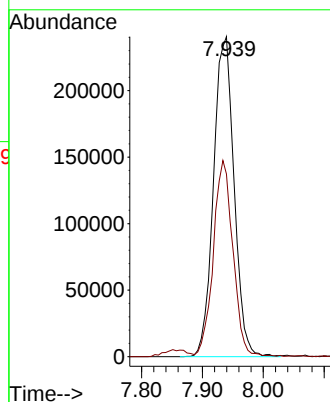
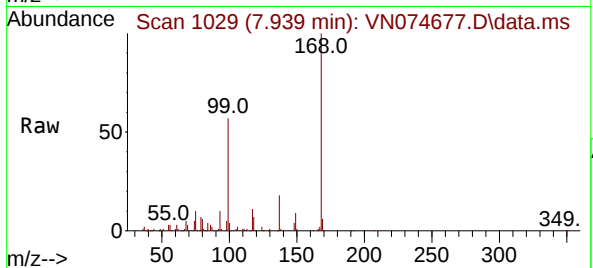




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.939 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

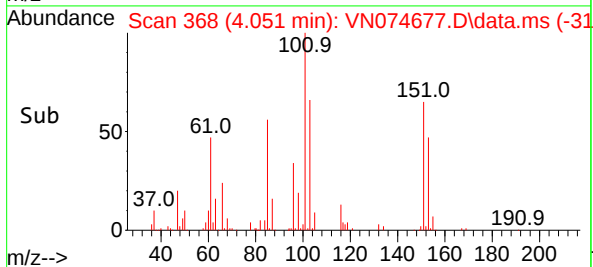
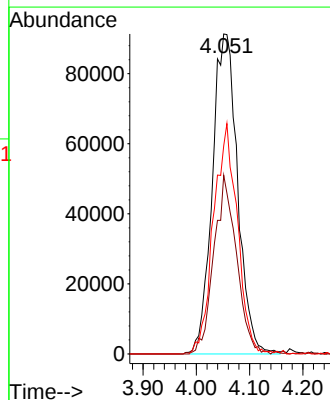
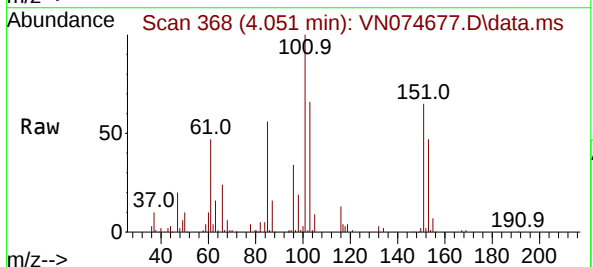
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700

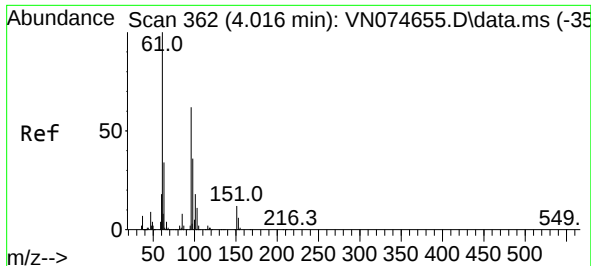
Tgt Ion:168 Resp: 563858
Ion Ratio Lower Upper
168 100
99 56.7 42.3 63.5



#9
1,1,2-Trichlorotrifluoroethane
Concen: 29.033 ug/l
RT: 4.051 min Scan# 368
Delta R.T. 0.006 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

Tgt Ion:101 Resp: 301650
Ion Ratio Lower Upper
101 100
85 50.0 34.7 52.1
151 67.6 63.0 94.4

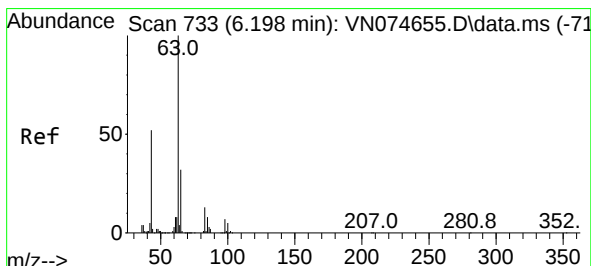
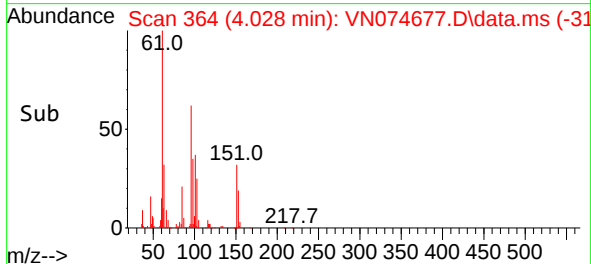
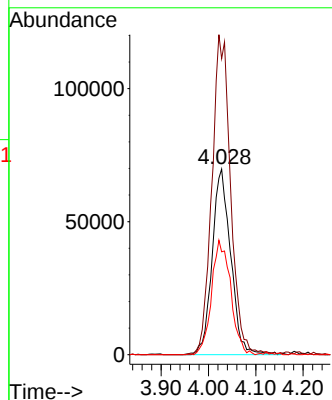
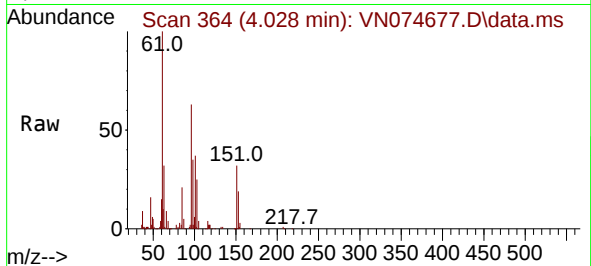




#12
 1,1-Dichloroethene
 Concen: 18.037 ug/l
 RT: 4.028 min Scan# 364
 Delta R.T. 0.012 min
 Lab File: VN074677.D
 Acq: 30 Sep 2022 19:18

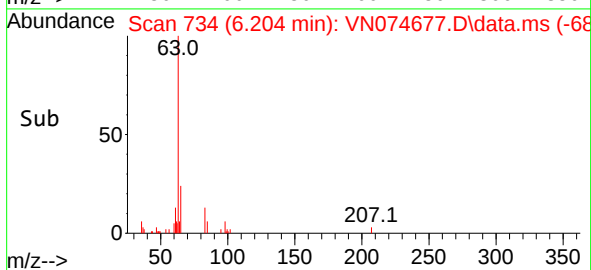
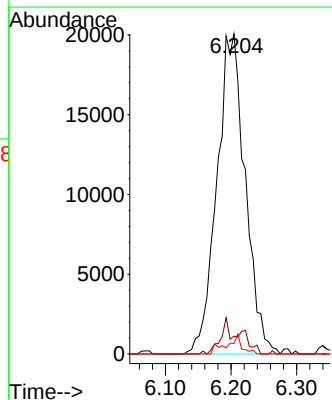
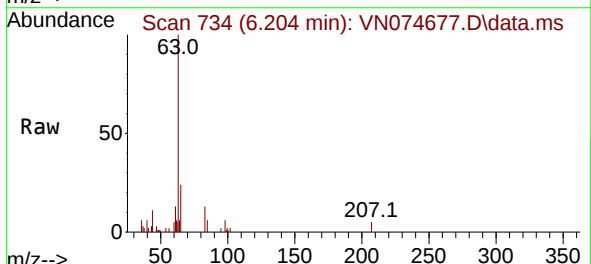
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-698-700

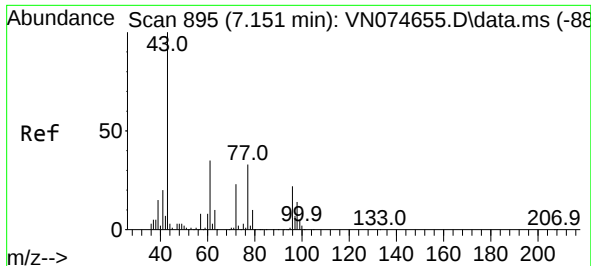
Tgt Ion: 96 Resp: 189950
 Ion Ratio Lower Upper
 96 100
 61 159.4 127.6 191.4
 98 55.4 51.2 76.8



#24
 1,1-Dichloroethane
 Concen: 2.552 ug/l
 RT: 6.204 min Scan# 734
 Delta R.T. 0.006 min
 Lab File: VN074677.D
 Acq: 30 Sep 2022 19:18

Tgt Ion: 63 Resp: 60259
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.5 10.4
 100 3.3 2.3 6.8





#27

cis-1,2-Dichloroethene

Concen: 2.016 ug/l

RT: 7.157 min Scan# 895

Delta R.T. 0.006 min

Lab File: VN074677.D

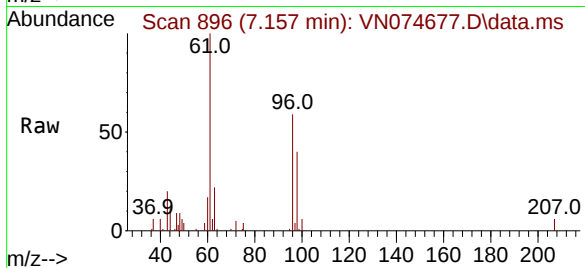
Acq: 30 Sep 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW5-GW-698-700



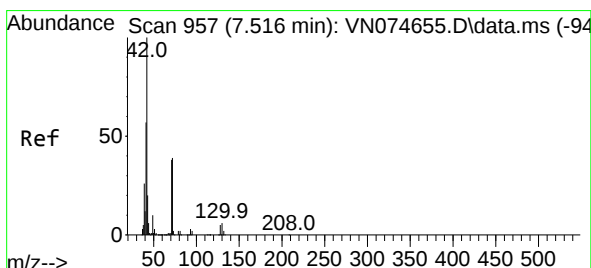
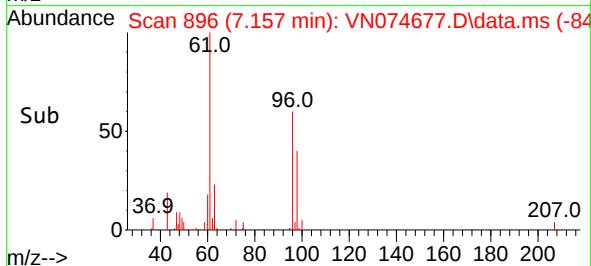
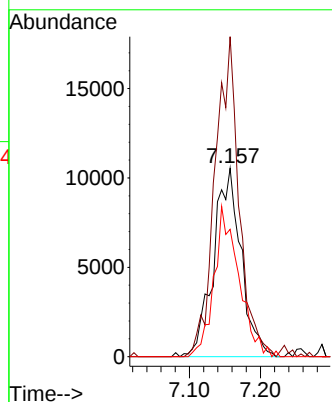
Tgt Ion: 96 Resp: 28366

Ion Ratio Lower Upper

96 100

61 148.1 0.0 280.6

98 72.2 0.0 128.4



#29

Tetrahydrofuran

Concen: 0.819 ug/l

RT: 7.534 min Scan# 960

Delta R.T. 0.018 min

Lab File: VN074677.D

Acq: 30 Sep 2022 19:18

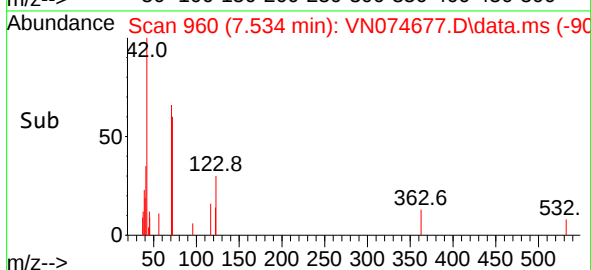
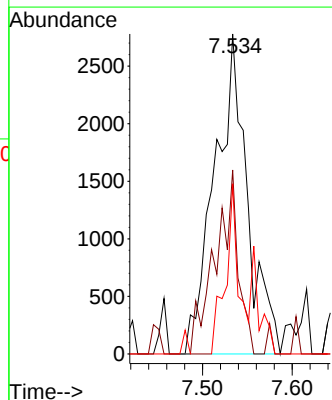
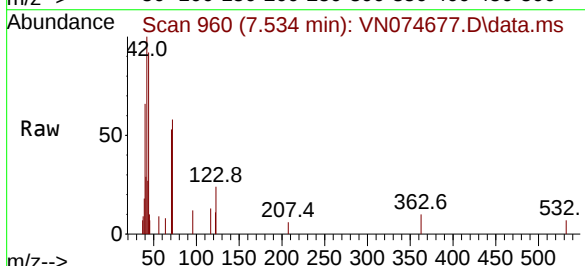
Tgt Ion: 42 Resp: 7025

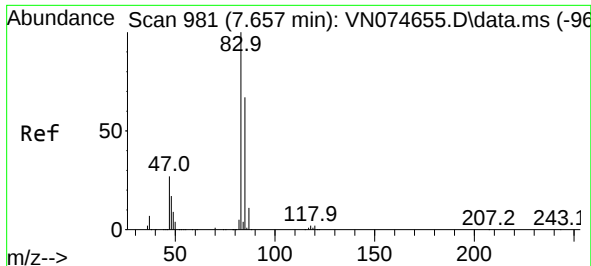
Ion Ratio Lower Upper

42 100

72 40.2 39.7 59.5

71 21.6 36.6 55.0#

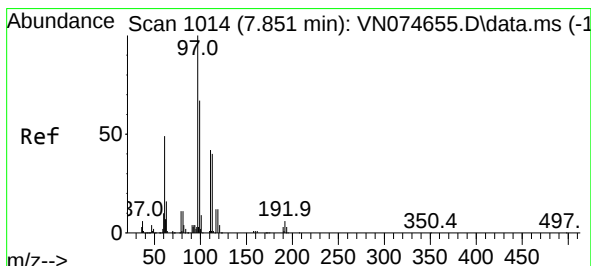
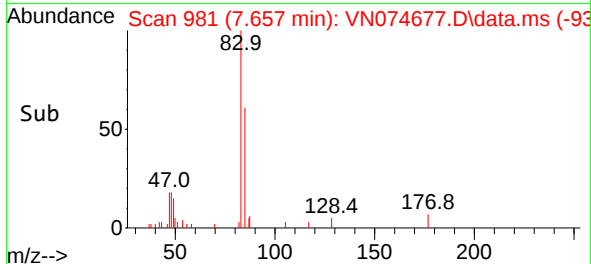
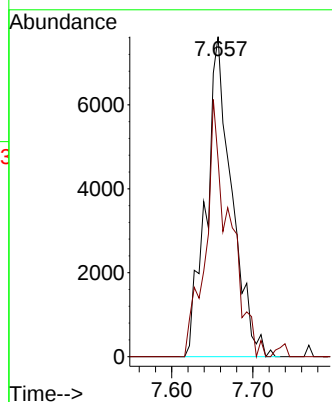
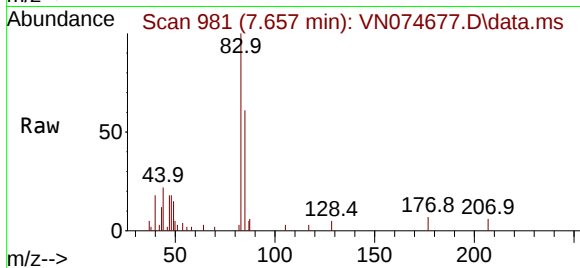




#30
Chloroform
Concen: 0.766 ug/l
RT: 7.657 min Scan# 981
Delta R.T. 0.000 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

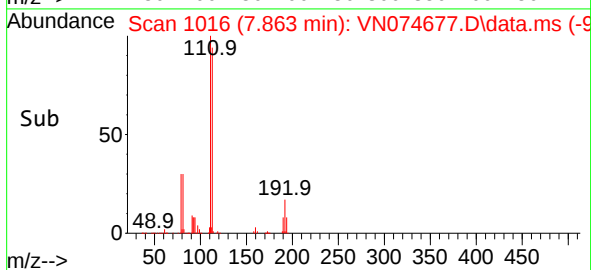
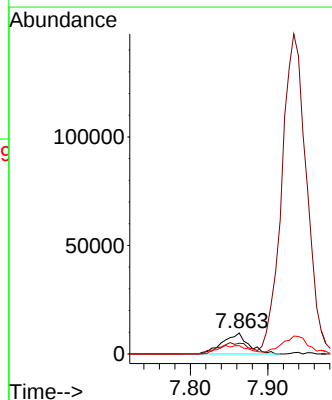
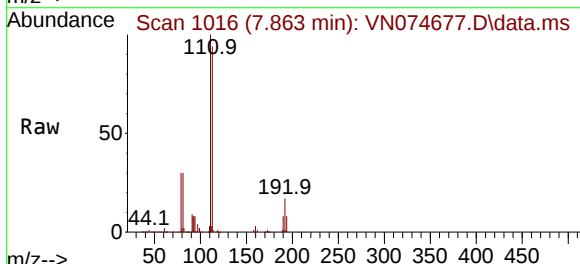
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700

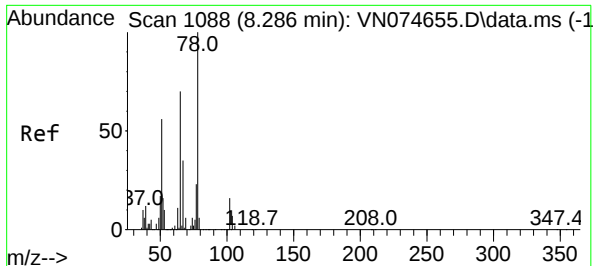
Tgt Ion: 83 Resp: 16677
Ion Ratio Lower Upper
83 100
85 61.3 51.8 77.8



#32
1,1,1-Trichloroethane
Concen: 1.165 ug/l
RT: 7.863 min Scan# 1016
Delta R.T. 0.012 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

Tgt Ion: 97 Resp: 22250
Ion Ratio Lower Upper
97 100
99 62.7 50.6 76.0
61 47.6 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 51.416 ug/l

RT: 8.286 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VN074677.D

Acq: 30 Sep 2022 19:18

Instrument :

MSVOA_N

ClientSampleId :

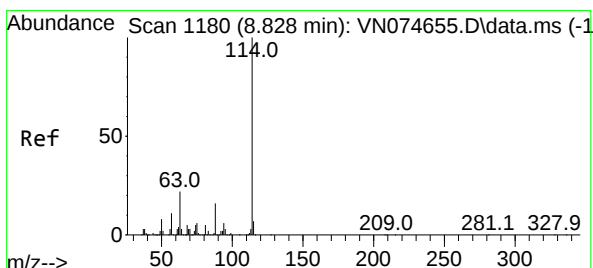
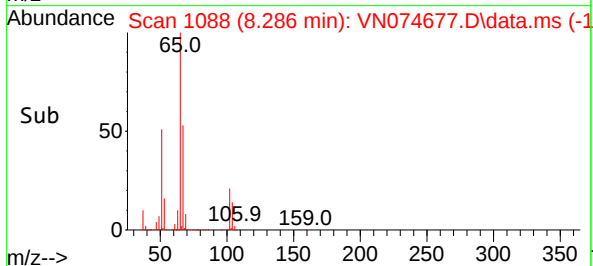
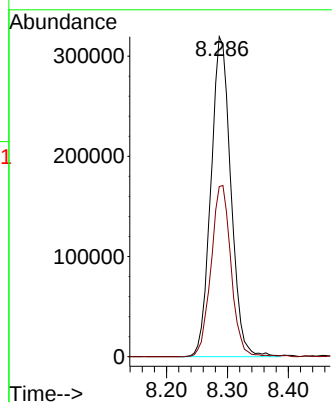
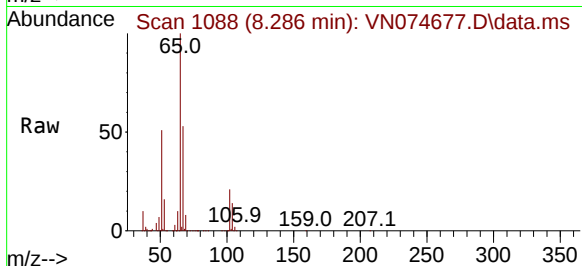
BP-VPB-RW5-GW-698-700

Tgt Ion: 65 Resp: 726583

Ion Ratio Lower Upper

65 100

67 53.7 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: VN074677.D

Acq: 30 Sep 2022 19:18

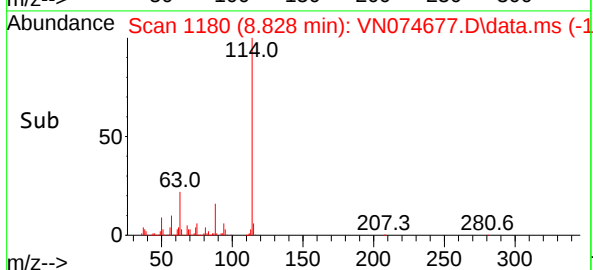
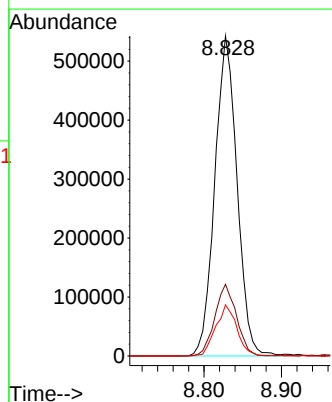
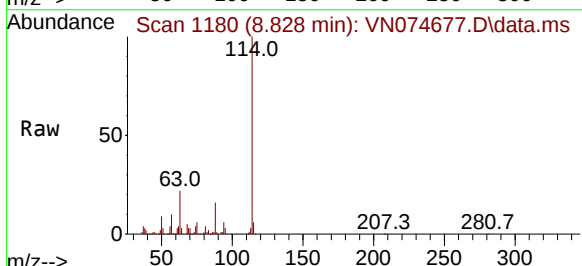
Tgt Ion: 114 Resp: 1081113

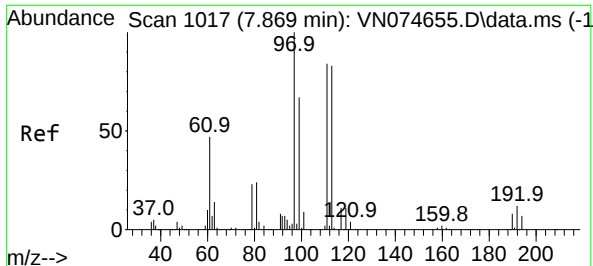
Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.0

88 16.0 0.0 32.6

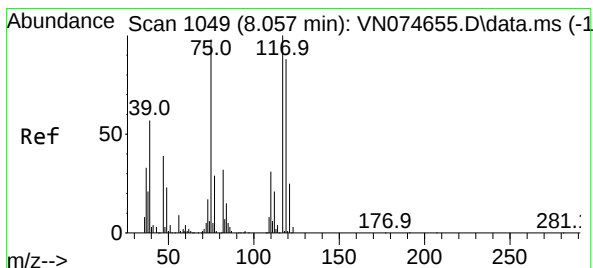
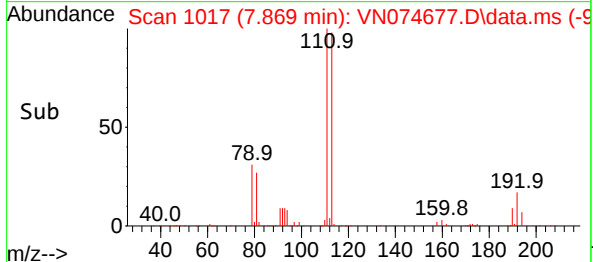
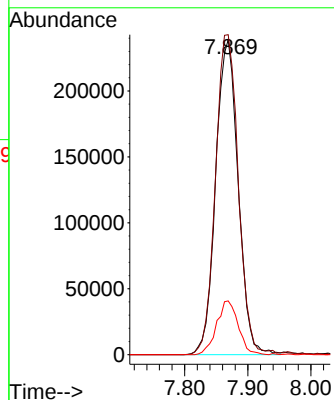
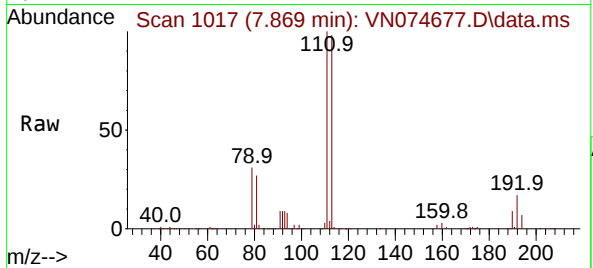




#35
Dibromofluoromethane
Concen: 51.660 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

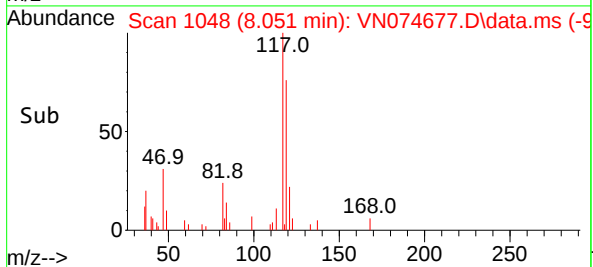
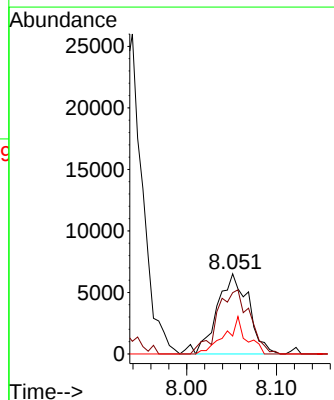
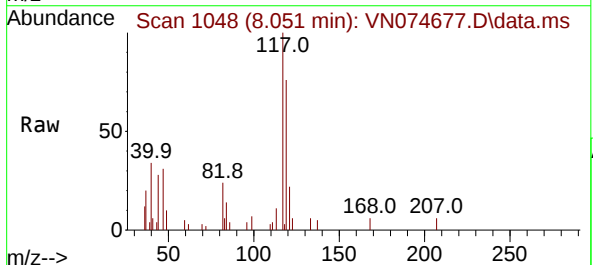
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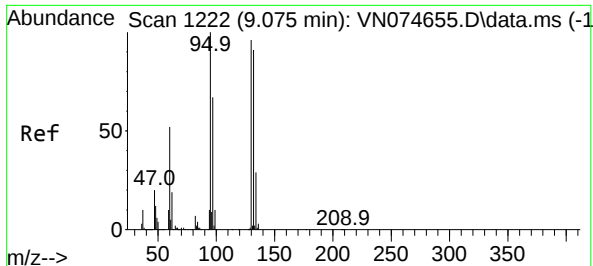
Tgt Ion:113 Resp: 591145
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 16.4 17.0 25.6#



#38
Carbon Tetrachloride
Concen: 0.958 ug/l
RT: 8.051 min Scan# 1048
Delta R.T. -0.006 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

Tgt Ion:117 Resp: 16083
Ion Ratio Lower Upper
117 100
119 76.5 75.8 113.8
121 22.4 24.6 37.0#

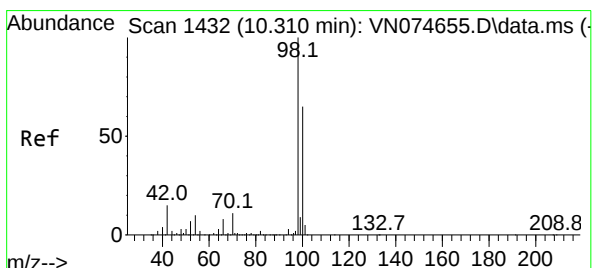
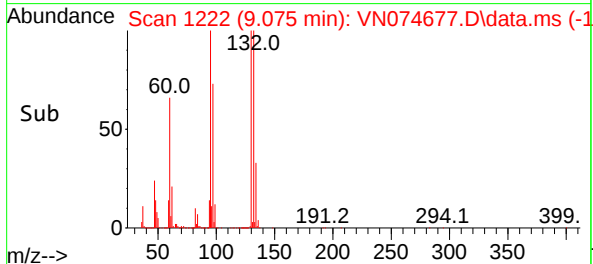
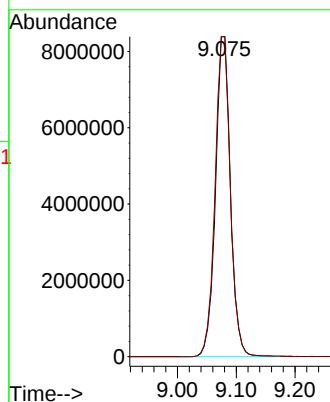
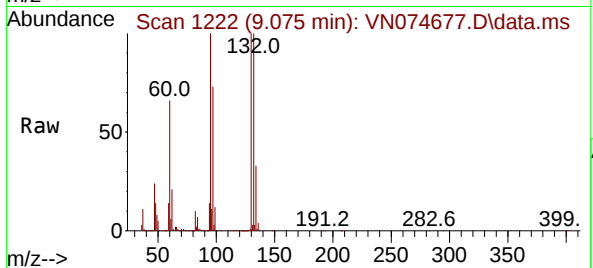




#44
Trichloroethene
Concen: 1257.475 ug/l
RT: 9.075 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

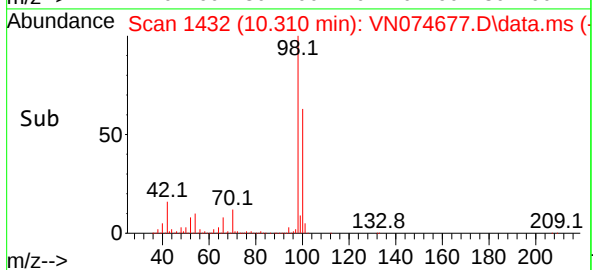
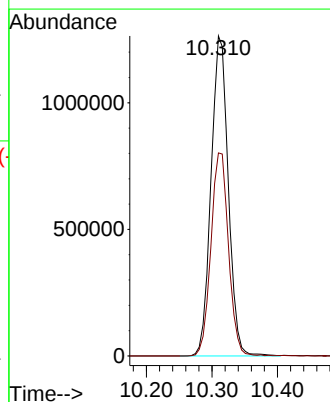
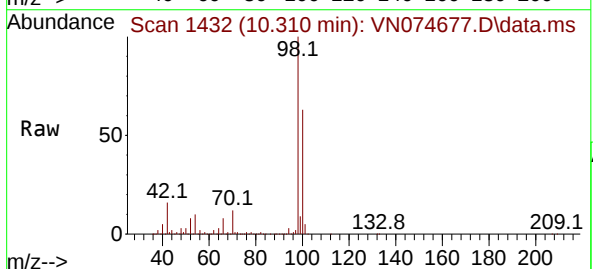
Instrument :
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BP-VPB-RW5-GW-698-700

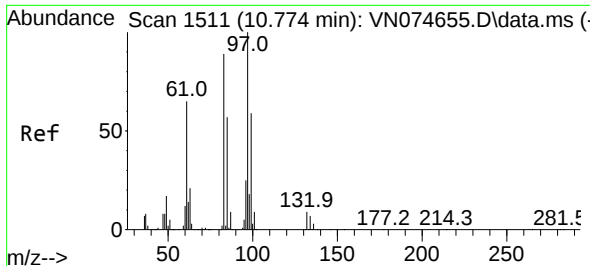
Tgt Ion:130 Resp:14797697
Ion Ratio Lower Upper
130 100
95 100.0 0.0 186.8



#50
Toluene-d8
Concen: 47.853 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

Tgt Ion: 98 Resp: 2303301
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

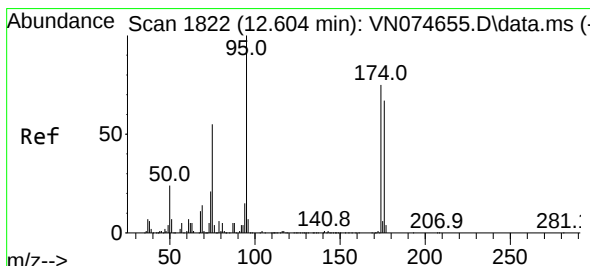
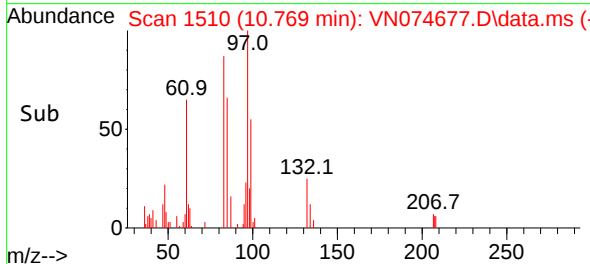
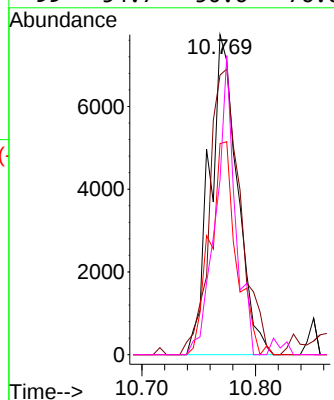
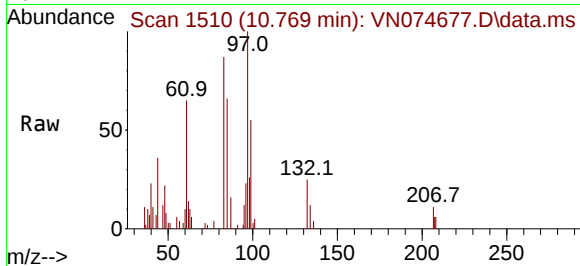




#55
1,1,2-Trichloroethane
Concen: 0.953 ug/l
RT: 10.769 min Scan# 1510
Delta R.T. -0.005 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

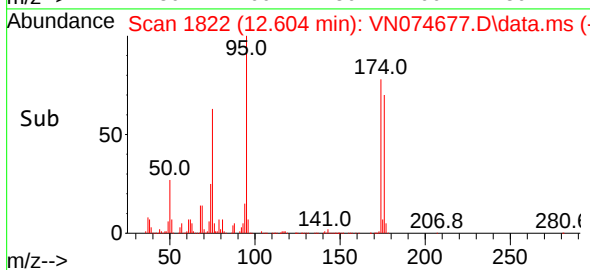
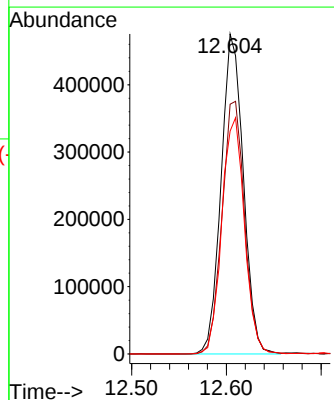
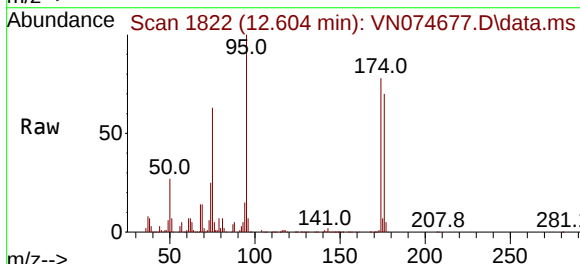
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700

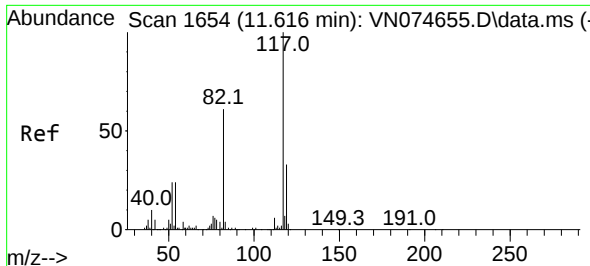
Tgt Ion:	97	Resp:	13093
Ion	Ratio	Lower	Upper
97	100		
83	87.4	66.2	99.4
85	65.9	43.9	65.9#
99	54.7	50.6	76.0



#62
4-Bromofluorobenzene
Concen: 50.856 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

Tgt Ion:	95	Resp:	776189
Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	167.6
176	75.1	0.0	163.4

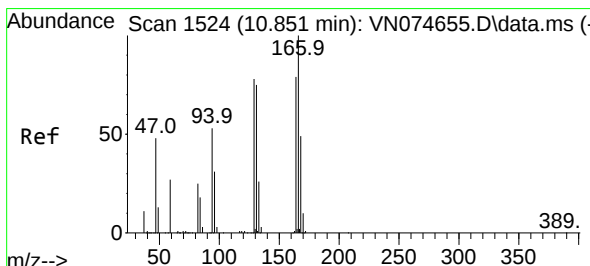
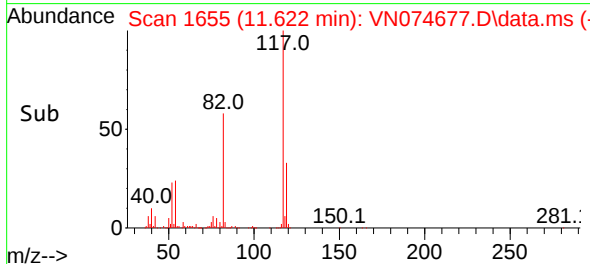
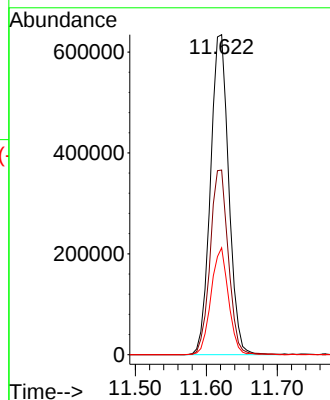
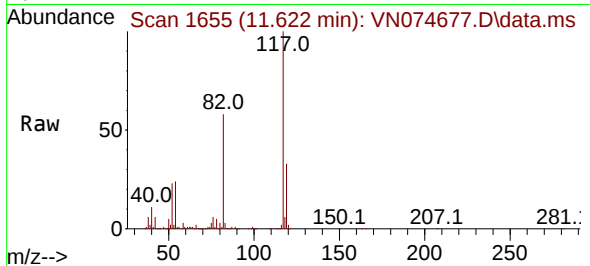




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.622 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

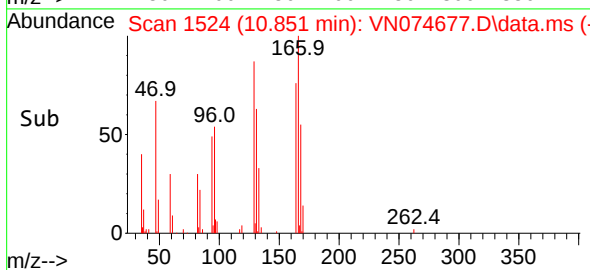
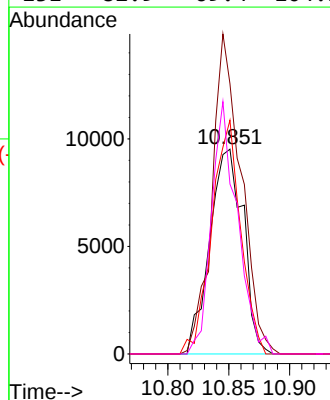
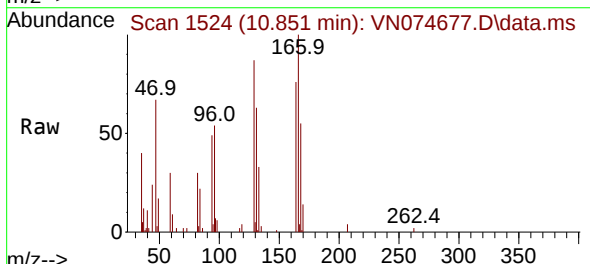
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-698-700

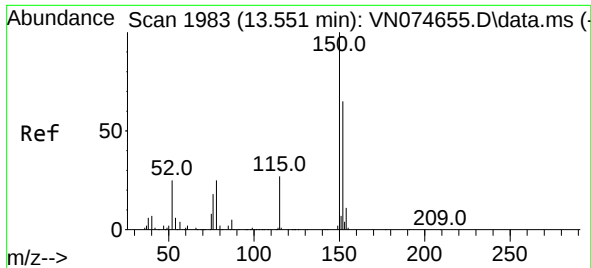
Tgt Ion:117 Resp: 1133797
Ion Ratio Lower Upper
117 100
82 57.7 44.2 66.2
119 33.4 25.4 38.0



#64
Tetrachloroethene
Concen: 1.896 ug/l
RT: 10.851 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VN074677.D
Acq: 30 Sep 2022 19:18

Tgt Ion:164 Resp: 18173
Ion Ratio Lower Upper
164 100
166 131.9 104.2 156.2
129 114.1 73.9 110.9#
131 82.9 69.4 104.2





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.551 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN074677.D
 Acq: 30 Sep 2022 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-698-700

Tgt Ion:152 Resp: 524543
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.9 86.7
 150 157.6 0.0 356.2

