

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077774.D
 Acq On : 19 May 2023 19:09
 Operator : JC\MD
 Sample : 02862-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-278-280

Quant Time: May 29 09:53:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

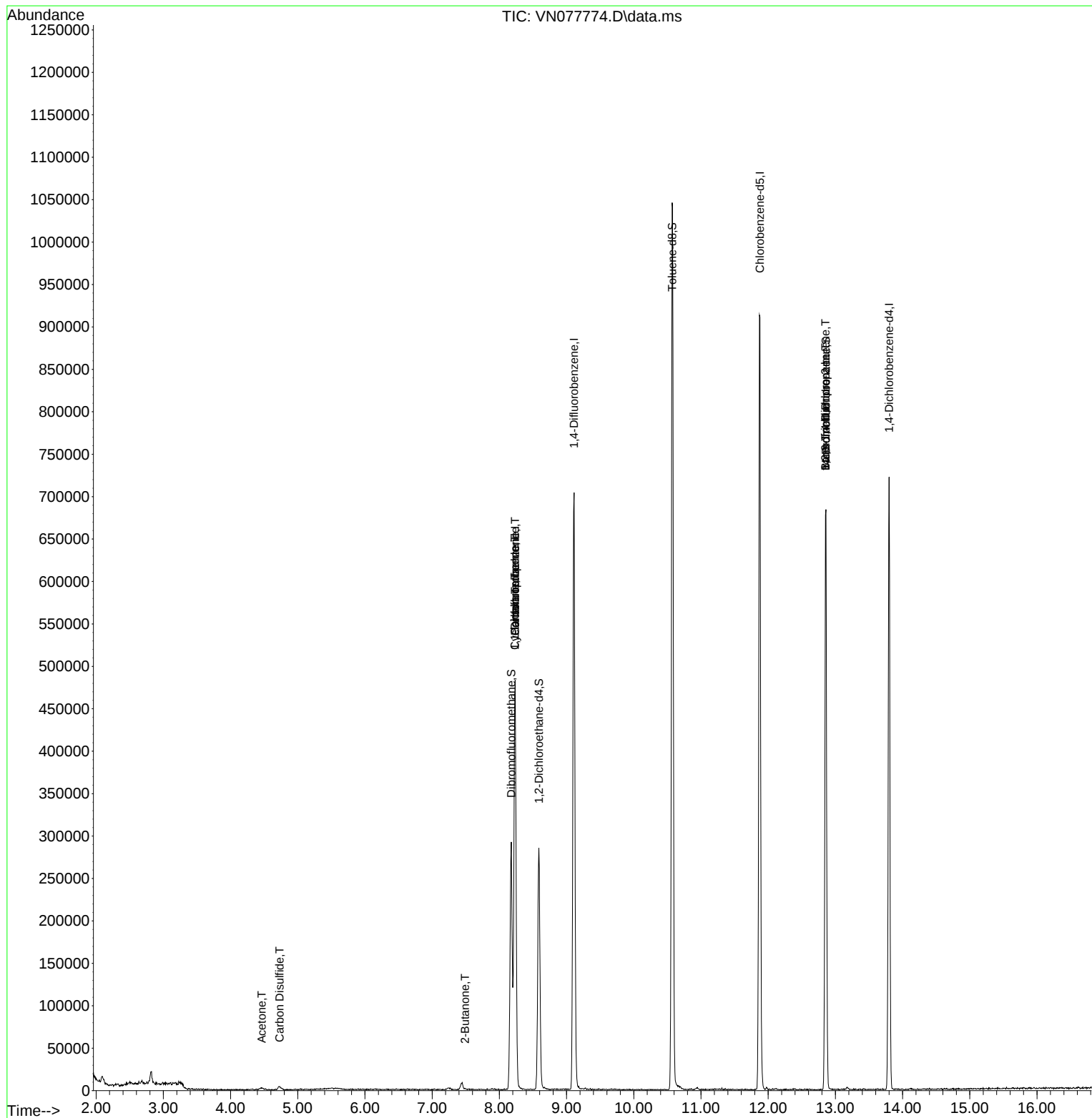
Internal Standards						
1) Pentafluorobenzene	8.235	168	355908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	632053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	561597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	194717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	234967	44.123	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.240%
35) Dibromofluoromethane	8.177	113	203710	49.426	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.860%
50) Toluene-d8	10.571	98	786490	49.577	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.160%
62) 4-Bromofluorobenzene	12.859	95	250738	44.752	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	933	Below Cal		94
13) Acrolein	4.195	56	83	Below Cal		84
16) Acetone	4.465	43	3744	2.235	ug/l	95
17) Carbon Disulfide	4.730	76	2858	0.283	ug/l #	75
20) Methylene Chloride	5.312	84	128	Below Cal	#	13
25) 2-Butanone	7.488	43	1180	0.450	ug/l #	37
31) Cyclohexane	8.230	56	7784	1.075	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	29201	4.844	ug/l #	50
38) Carbon Tetrachloride	8.235	117	38457	6.317	ug/l #	15
71) Bromoform	12.853	173	1776	0.634	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	135031	27.691	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	135031	88.514	ug/l #	15

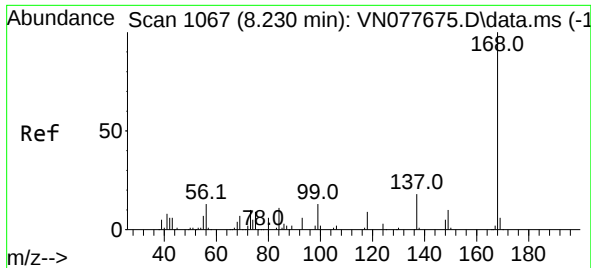
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN077774.D

Acq: 19 May 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

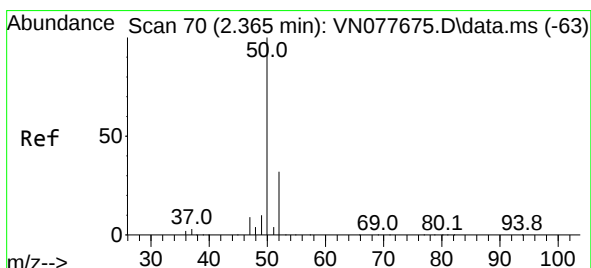
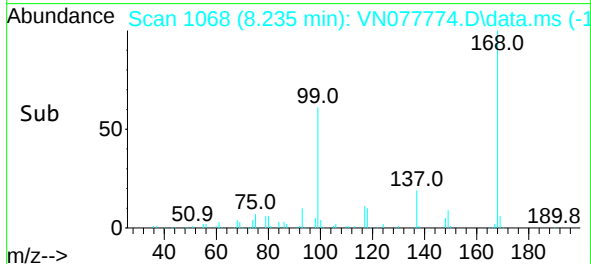
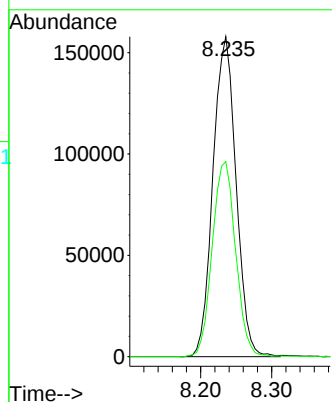
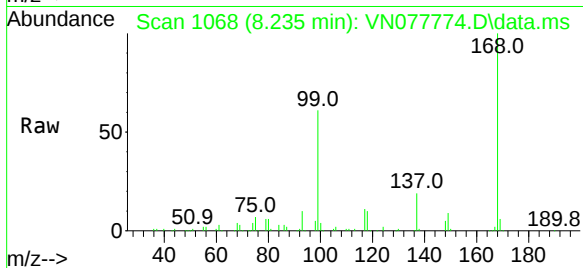
BP-VPB-RW11-GW-278-280

Tgt Ion:168 Resp: 355908

Ion Ratio Lower Upper

168 100

99 61.0 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN077774.D

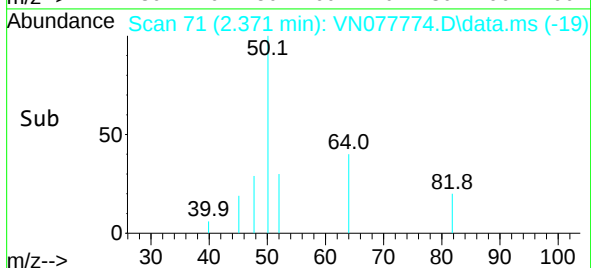
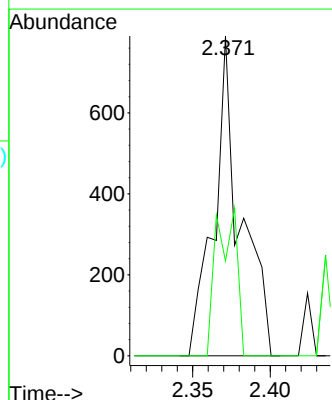
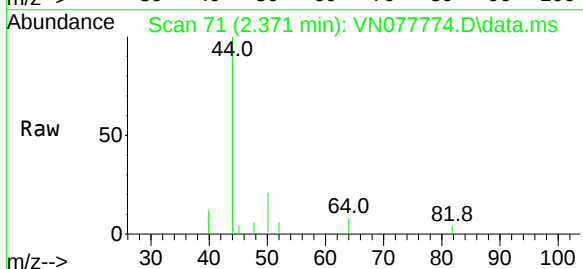
Acq: 19 May 2023 19:09

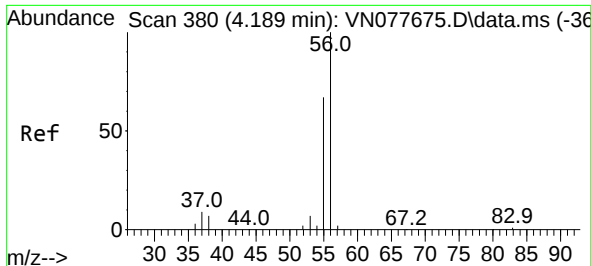
Tgt Ion: 50 Resp: 933

Ion Ratio Lower Upper

50 100

52 29.6 26.5 39.7

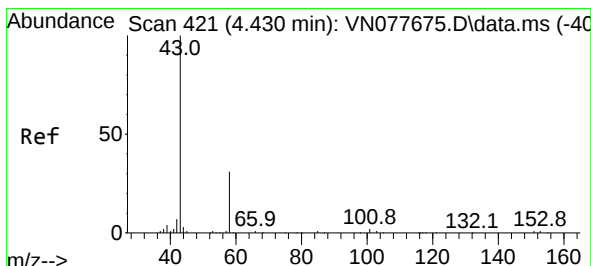
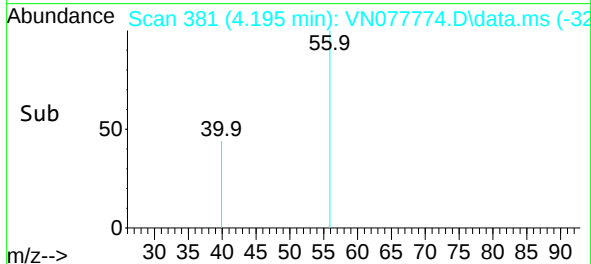
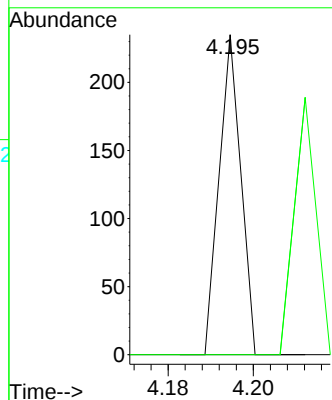
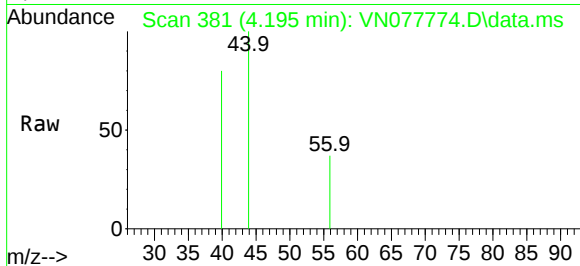




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

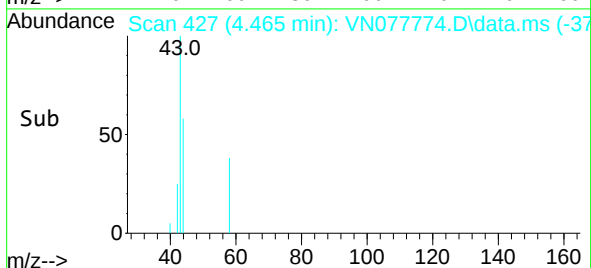
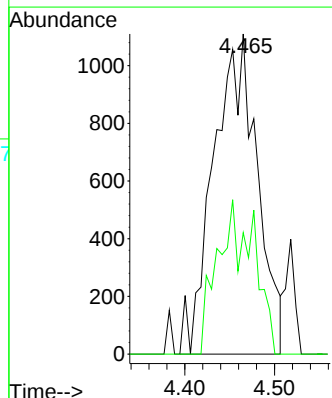
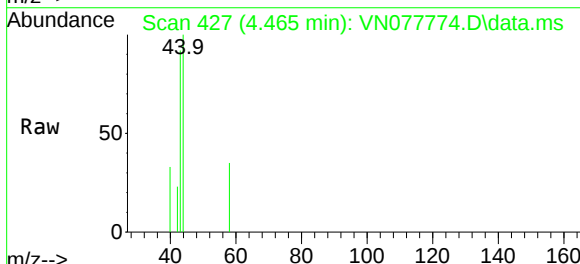
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-278-280

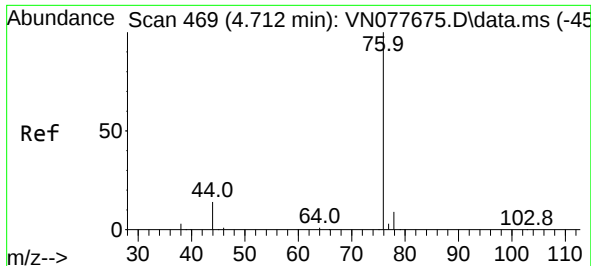
Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 80.7 54.5 81.7



#16
Acetone
Concen: 2.235 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.035 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

Tgt Ion: 43 Resp: 3744
Ion Ratio Lower Upper
43 100
58 37.9 28.0 42.0

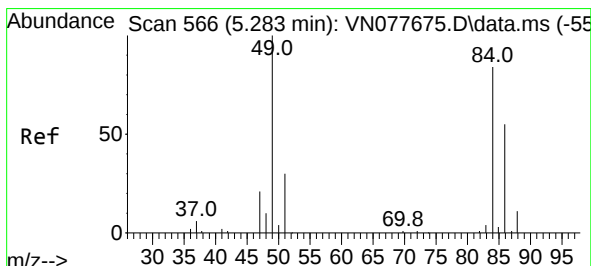
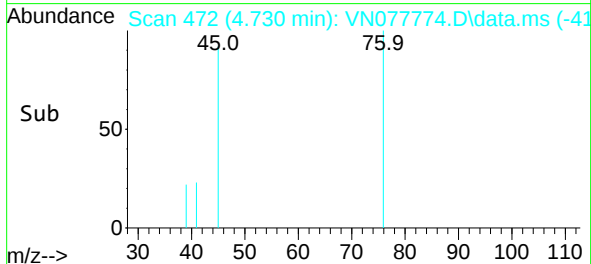
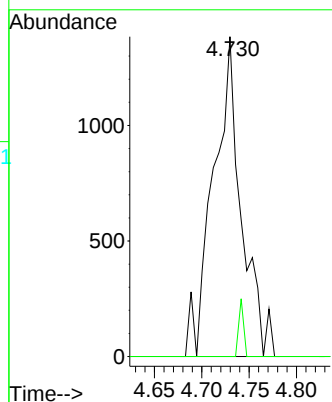
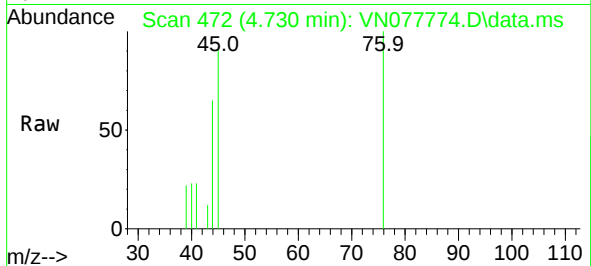




#17
Carbon Disulfide
Concen: 0.283 ug/l
RT: 4.730 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

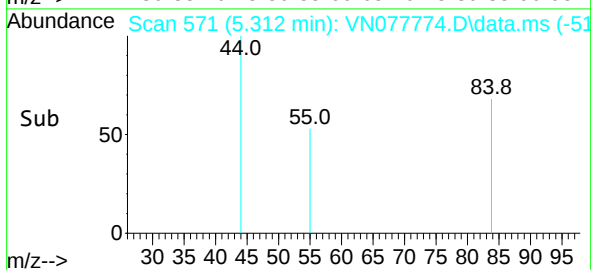
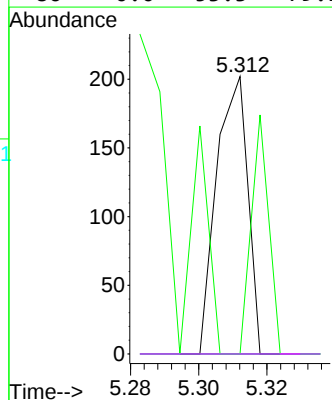
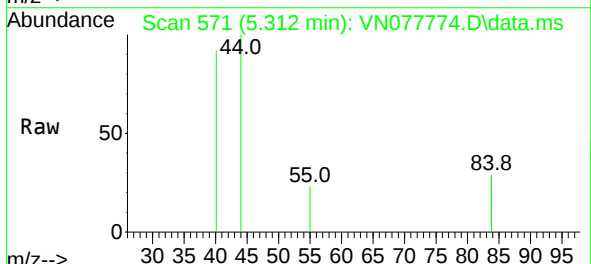
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-278-280

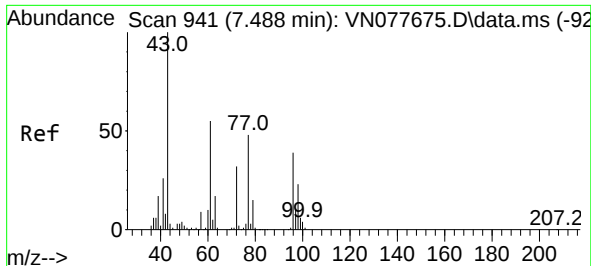
Tgt Ion: 76 Resp: 2858
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.312 min Scan# 571
Delta R.T. 0.029 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

Tgt Ion: 84 Resp: 128
Ion Ratio Lower Upper
84 100
49 0.0 79.7 119.5#
51 0.0 25.2 37.8#
86 0.0 53.3 79.9#

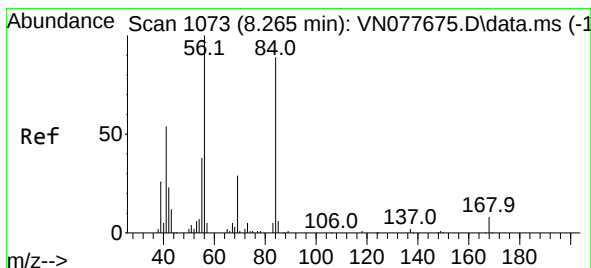
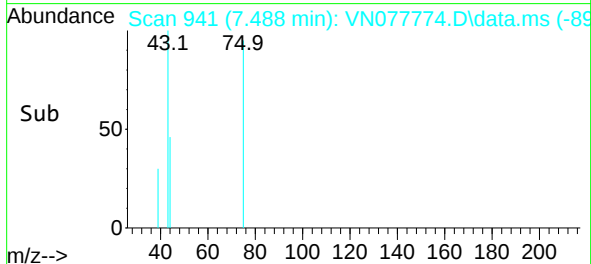
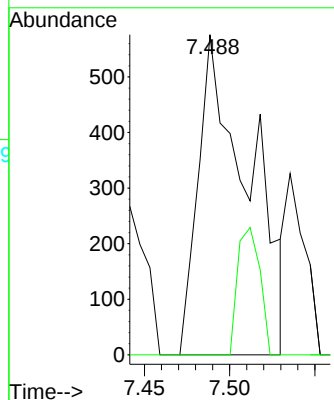
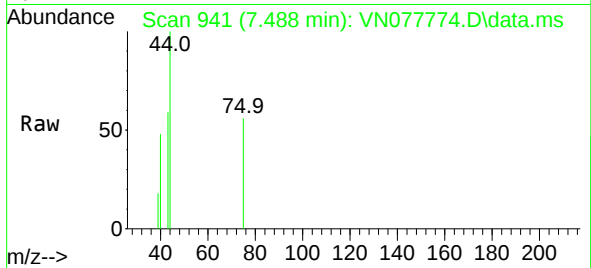




#25
2-Butanone
Concen: 0.450 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

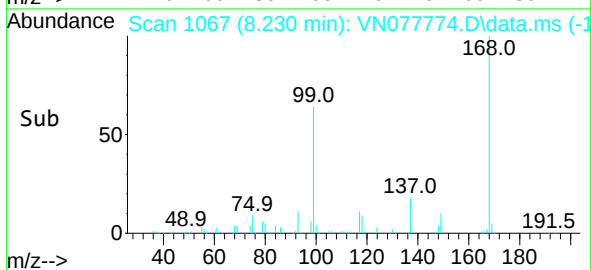
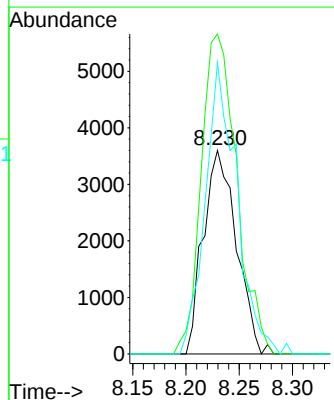
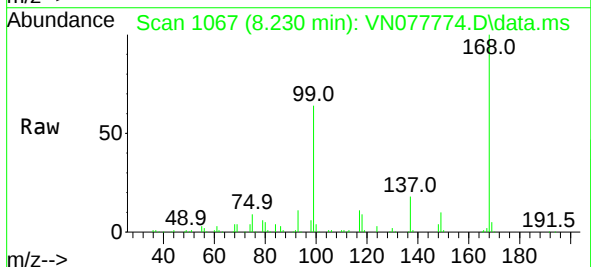
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-278-280

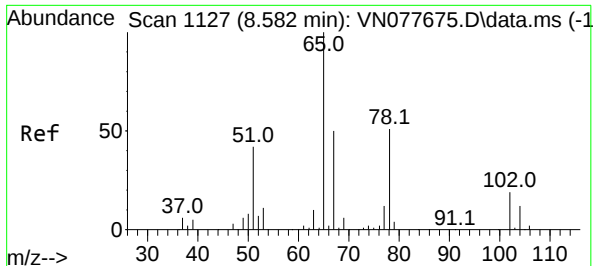
Tgt Ion: 43 Resp: 1180
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.075 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

Tgt Ion: 56 Resp: 7784
Ion Ratio Lower Upper
56 100
69 157.2 26.8 40.2#
84 143.0 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 44.123 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077774.D

Acq: 19 May 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

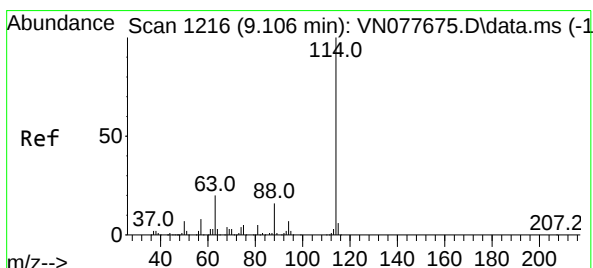
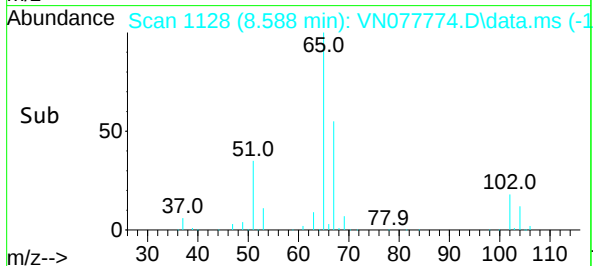
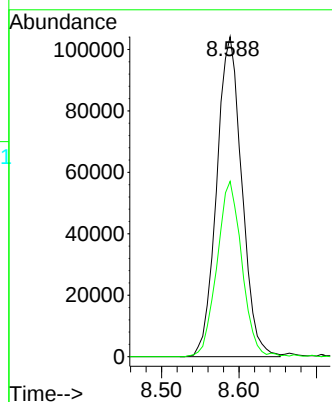
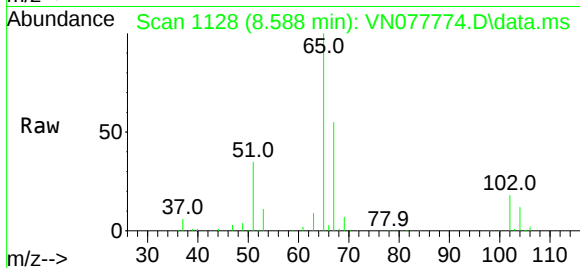
BP-VPB-RW11-GW-278-280

Tgt Ion: 65 Resp: 234967

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN077774.D

Acq: 19 May 2023 19:09

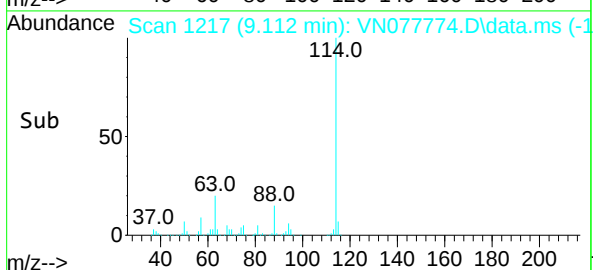
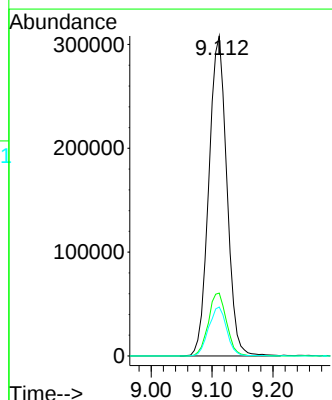
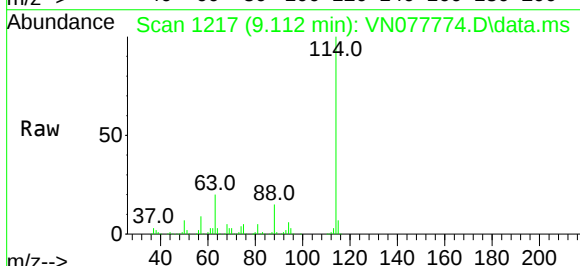
Tgt Ion: 114 Resp: 632053

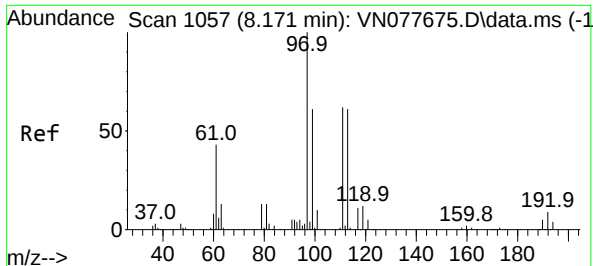
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.426 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077774.D

Acq: 19 May 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-278-280

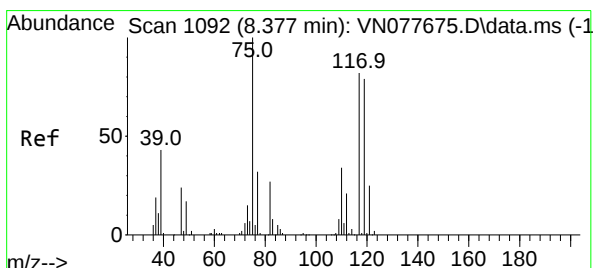
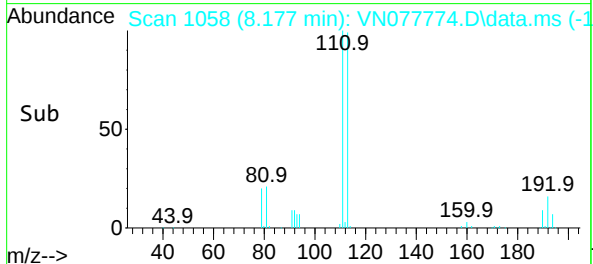
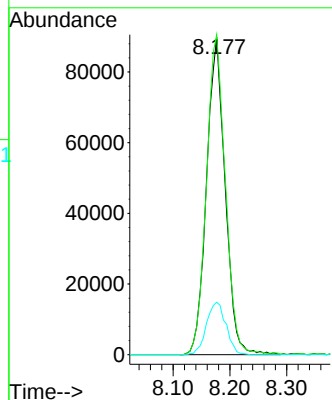
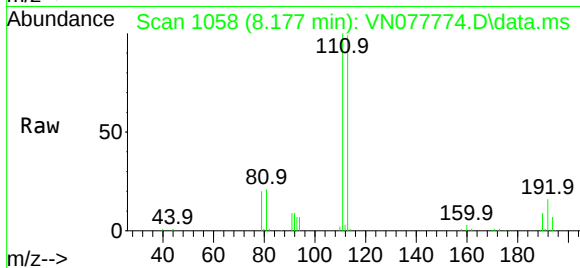
Tgt Ion:113 Resp: 203710

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.844 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077774.D

Acq: 19 May 2023 19:09

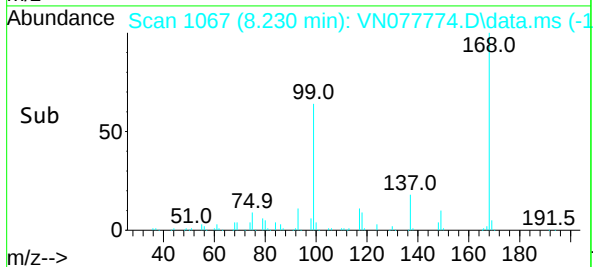
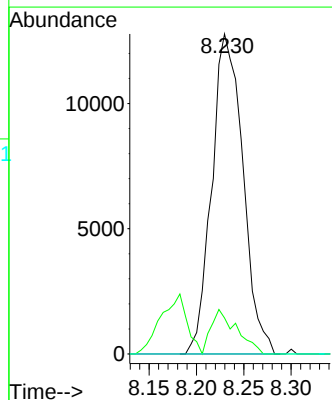
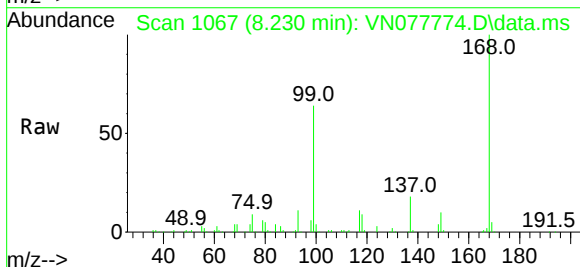
Tgt Ion: 75 Resp: 29201

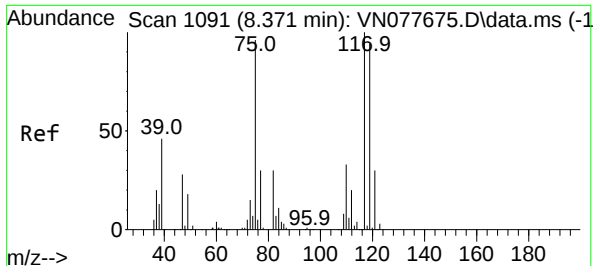
Ion Ratio Lower Upper

75 100

110 11.5 19.1 57.3#

77 0.0 25.0 37.4#

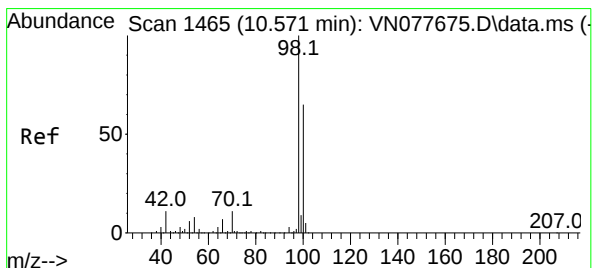
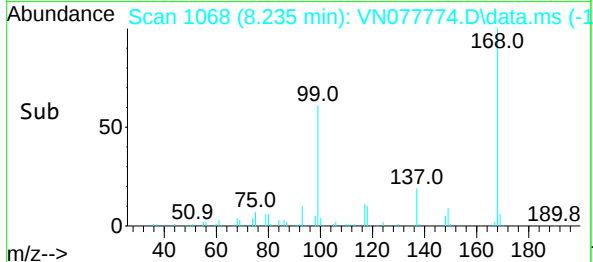
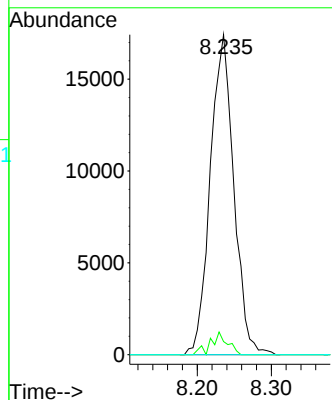
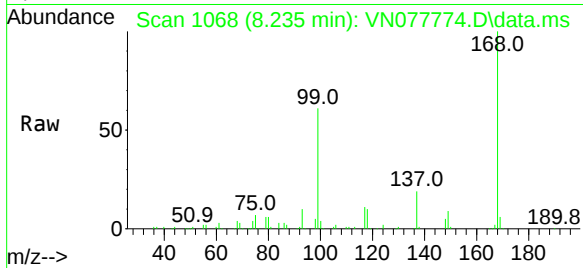




#38
Carbon Tetrachloride
Concen: 6.317 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

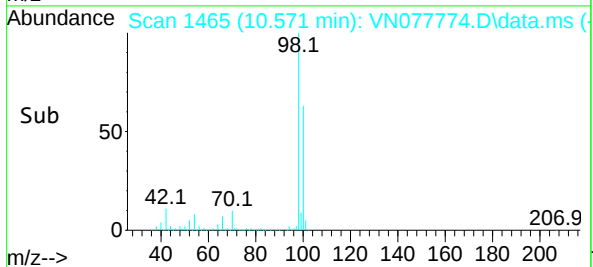
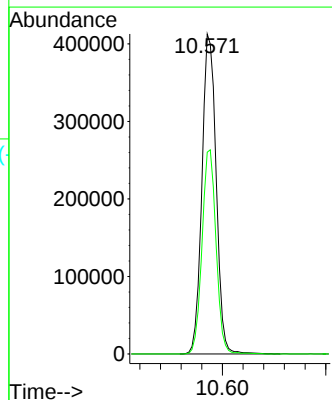
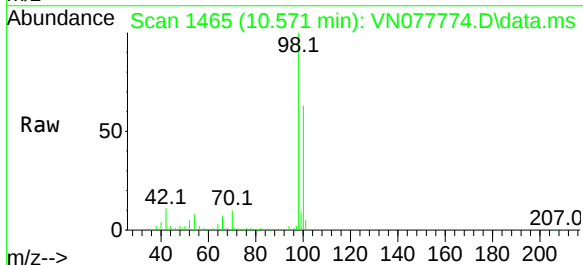
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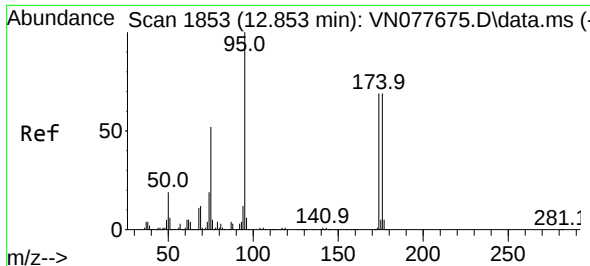
Tgt Ion:117 Resp: 38457
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 49.577 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

Tgt Ion: 98 Resp: 786490
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

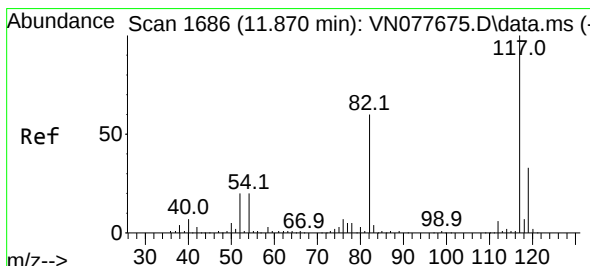
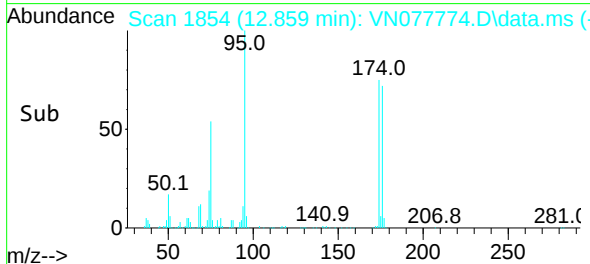
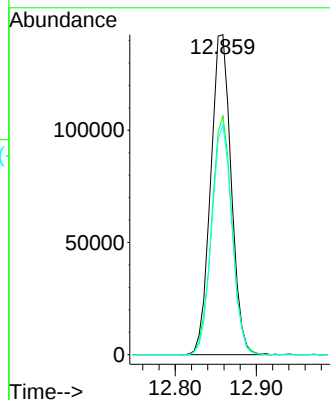
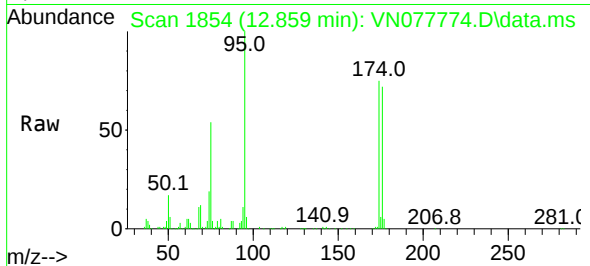




#62
4-Bromofluorobenzene
Concen: 44.752 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

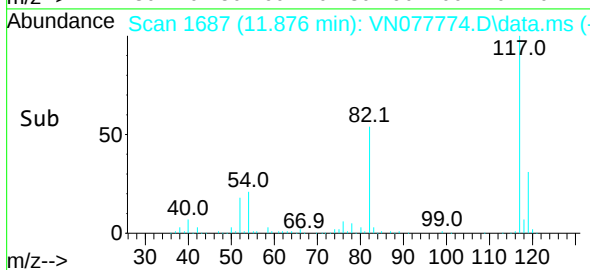
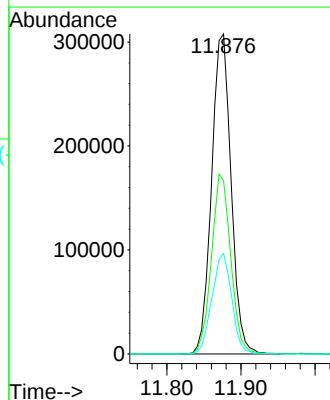
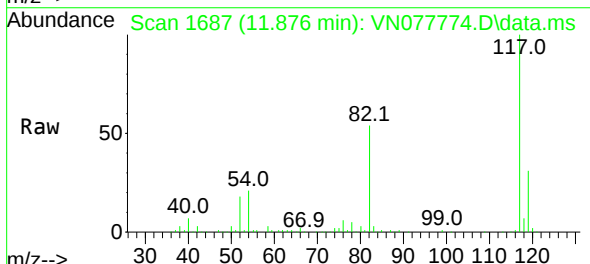
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-278-280

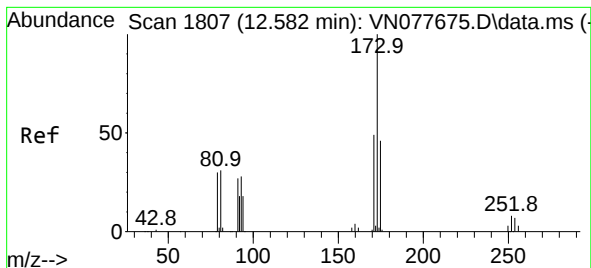
Tgt Ion: 95 Resp: 250738
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 71.5 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

Tgt Ion: 117 Resp: 561597
Ion Ratio Lower Upper
117 100
82 54.2 44.0 66.0
119 31.4 25.6 38.4





#71

Bromoform

Concen: 0.634 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN077774.D

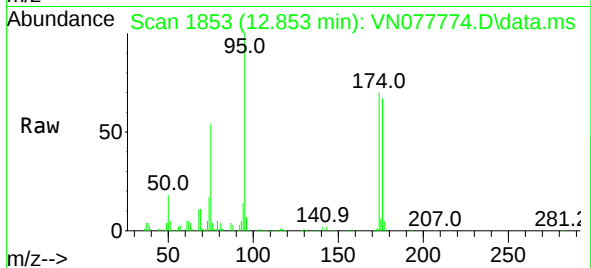
Acq: 19 May 2023 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-278-280



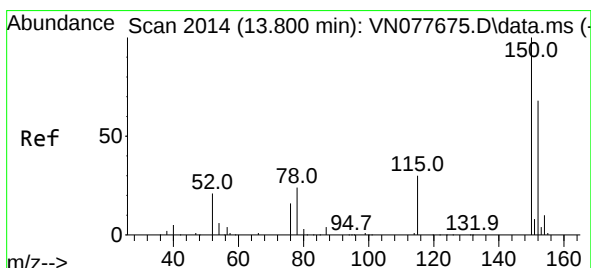
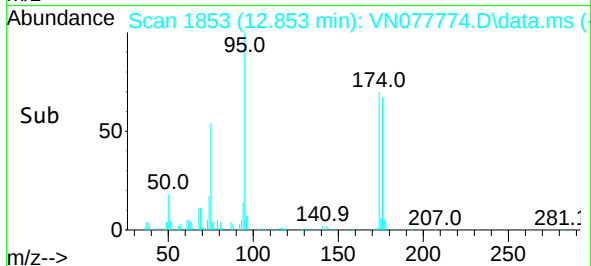
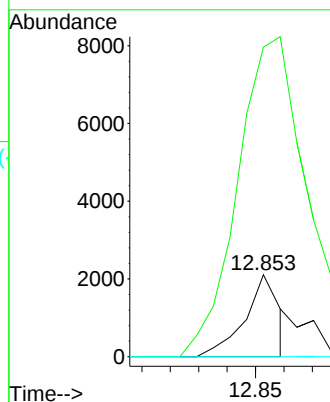
Tgt Ion:173 Resp: 1776

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077774.D

Acq: 19 May 2023 19:09

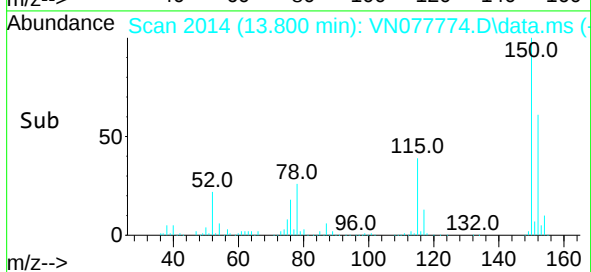
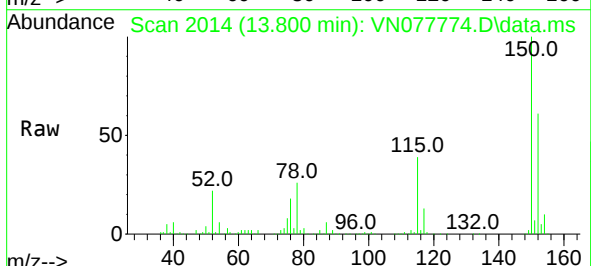
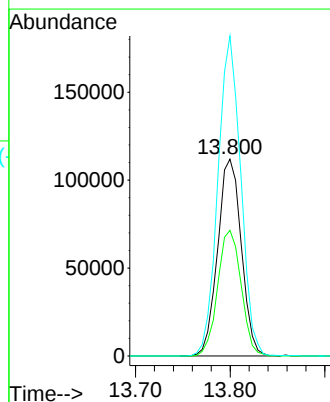
Tgt Ion:152 Resp: 194717

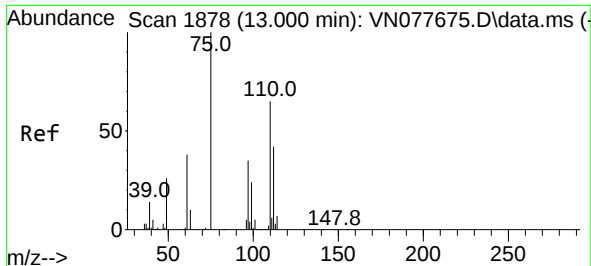
Ion Ratio Lower Upper

152 100

115 63.1 32.3 96.8

150 156.6 0.0 355.8

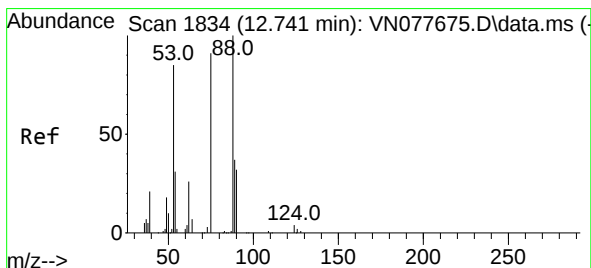
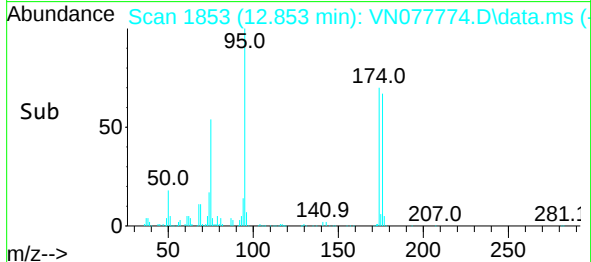
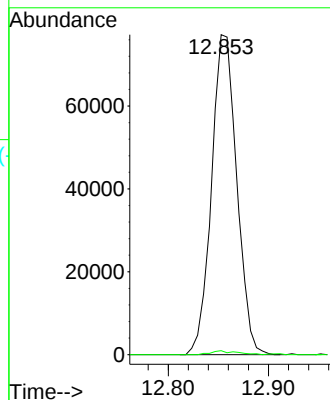
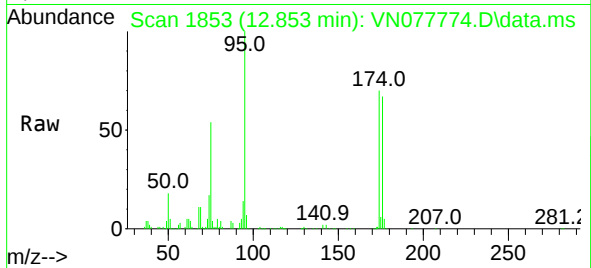




#76
1,2,3-Trichloropropane
Concen: 27.691 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-278-280

Tgt Ion: 75 Resp: 135031
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.514 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077774.D
Acq: 19 May 2023 19:09

Tgt Ion: 75 Resp: 135031
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

