

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051923\
 Data File : VN077762.D
 Acq On : 19 May 2023 14:26
 Operator : JC\MD
 Sample : 02862-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-EB-20230518

Quant Time: May 29 09:48:19 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)

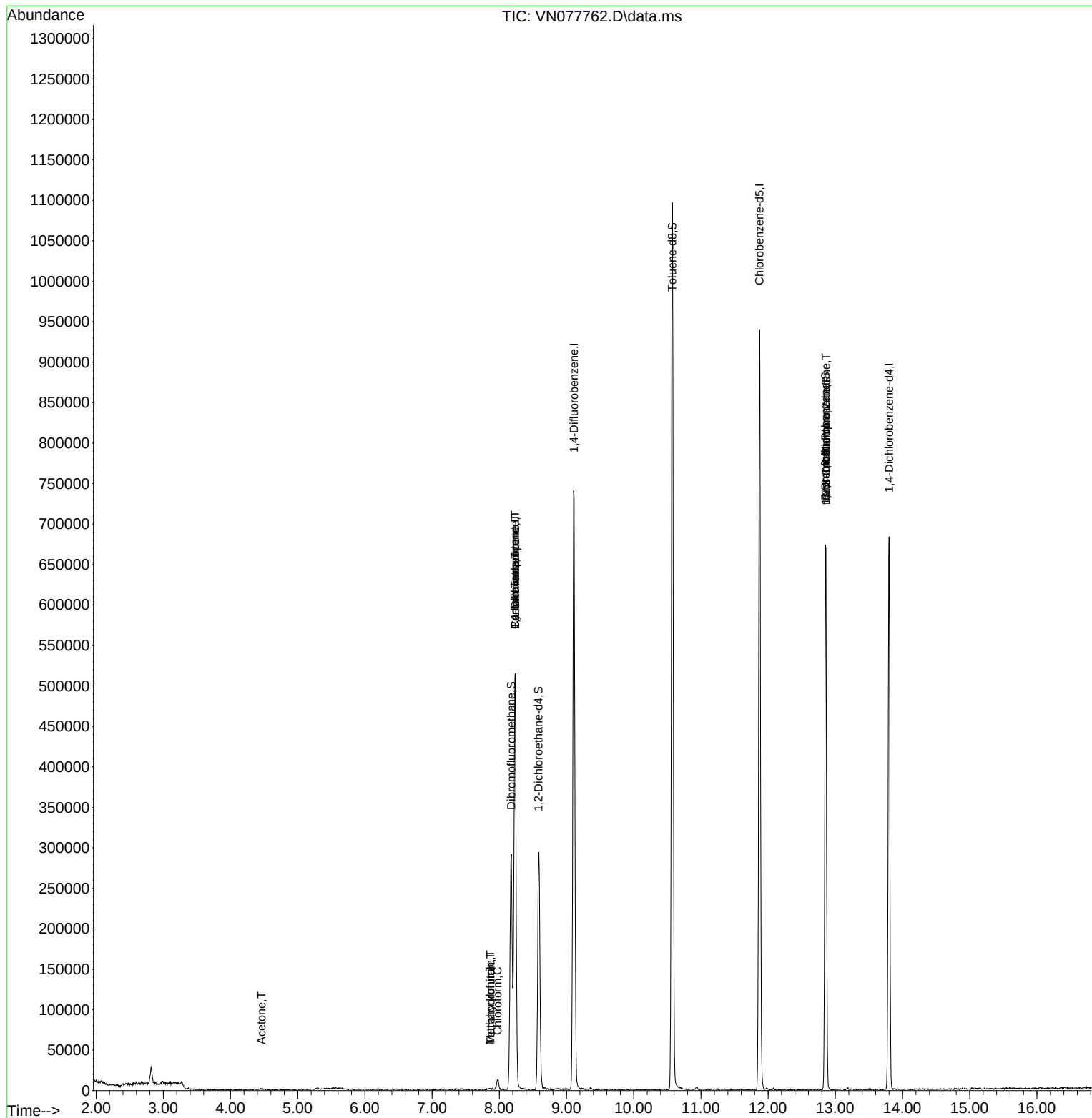
Internal Standards						
1) Pentafluorobenzene	8.236	168	370541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	660783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	564642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	185877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	246499	44.460	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.920%		
35) Dibromofluoromethane	8.177	113	210671	48.892	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.780%		
50) Toluene-d8	10.571	98	807624	48.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.400%		
62) 4-Bromofluorobenzene	12.853	95	249917	42.666	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.340%		
Target Compounds						
3) Chloromethane	2.371	50	1021	Below Cal	#	42
13) Acrolein	4.195	56	308	Below Cal	#	37
16) Acetone	4.459	43	935	0.536	ug/l #	40
20) Methylene Chloride	5.283	84	754	Below Cal	#	73
29) Tetrahydrofuran	7.871	42	1037	0.580	ug/l #	36
30) Chloroform	7.971	83	11565	1.279	ug/l #	78
31) Cyclohexane	8.236	56	8777	1.165	ug/l #	15
36) 1,1-Dichloropropene	8.236	75	30369	4.819	ug/l #	49
38) Carbon Tetrachloride	8.236	117	39288	6.173	ug/l #	14
41) Methacrylonitrile	7.865	41	615	0.206	ug/l #	22
71) Bromoform	12.853	173	1376	0.488	ug/l #	1
76) 1,2,3-Trichloropropane	12.859	75	131753	28.303	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	131753	90.472	ug/l #	15

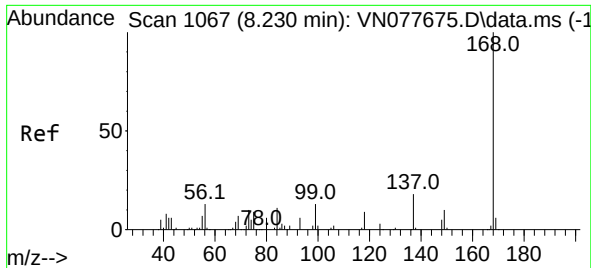
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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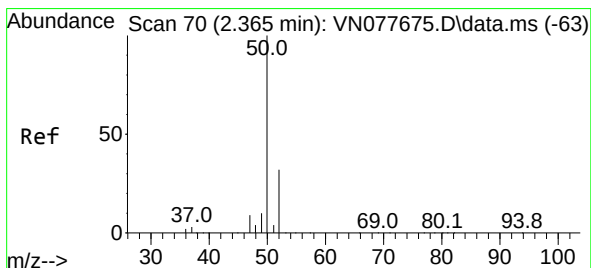
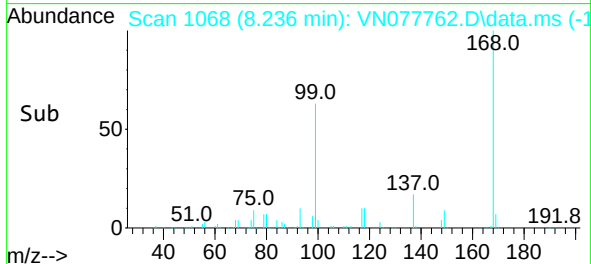
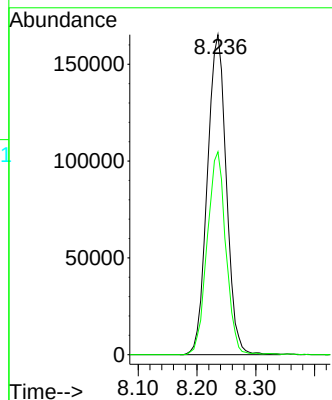
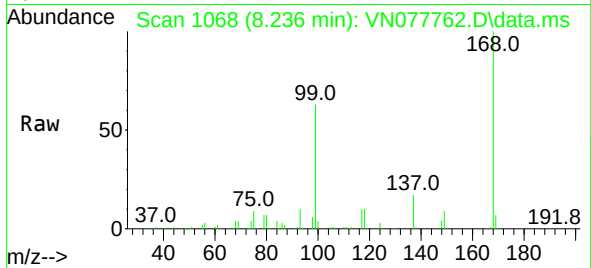




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

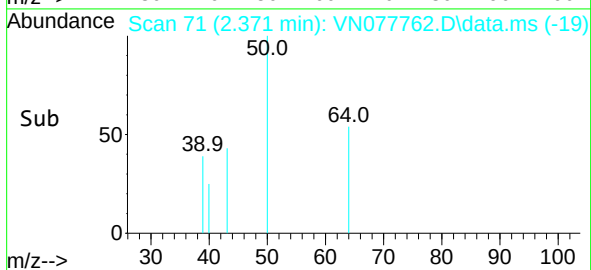
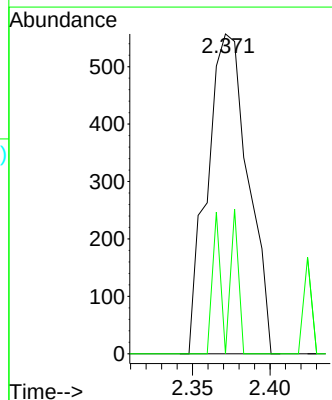
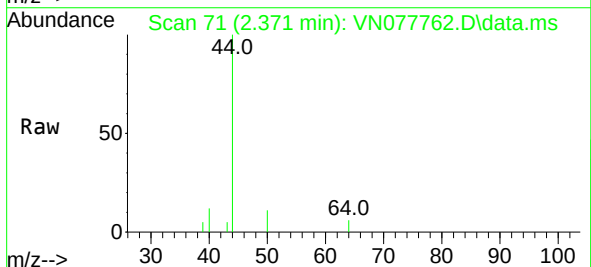
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230518

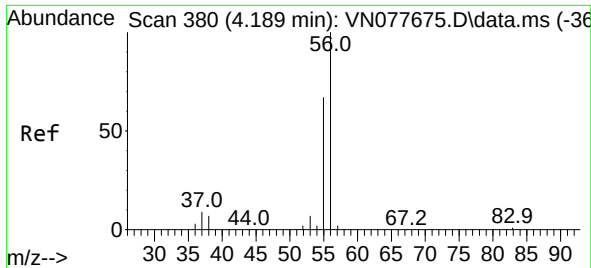
Tgt Ion:168 Resp: 370541
Ion Ratio Lower Upper
168 100
99 63.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

Tgt Ion: 50 Resp: 1021
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

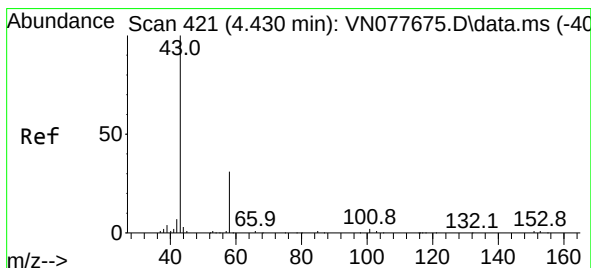
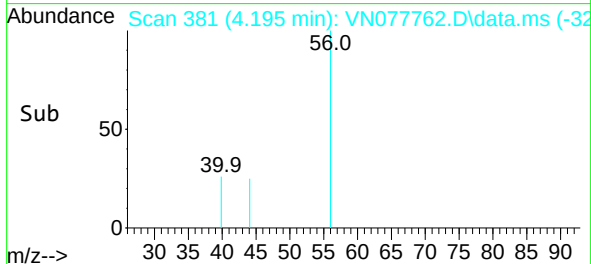
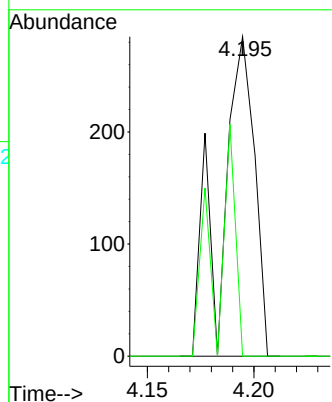
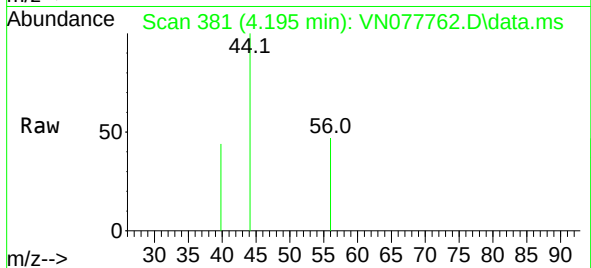




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

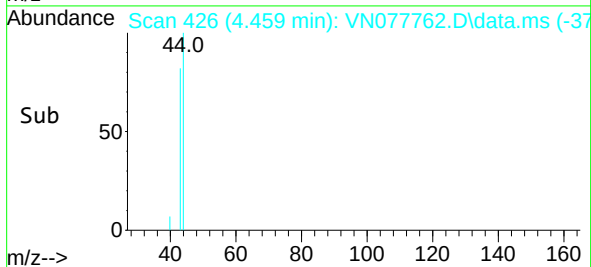
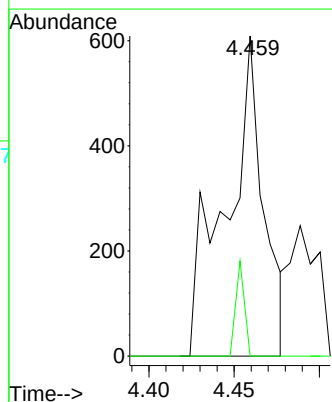
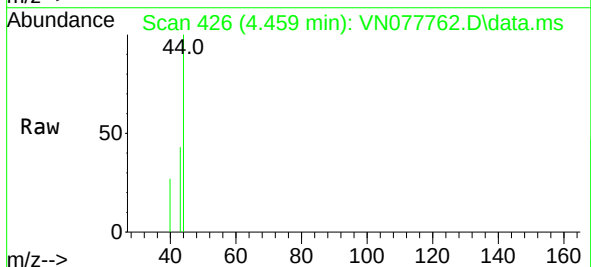
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230518

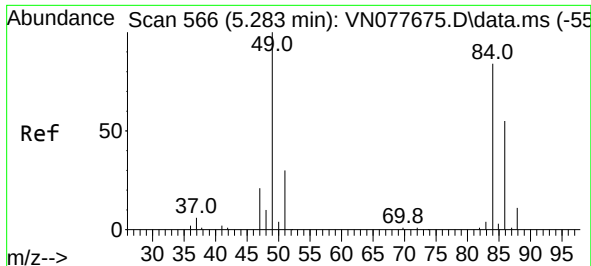
Tgt Ion: 56 Resp: 308
Ion Ratio Lower Upper
56 100
55 17.2 54.5 81.7#



#16
Acetone
Concen: 0.536 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.029 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

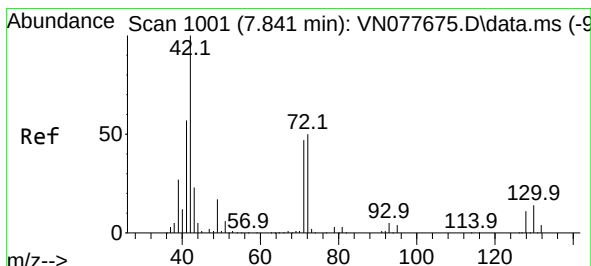
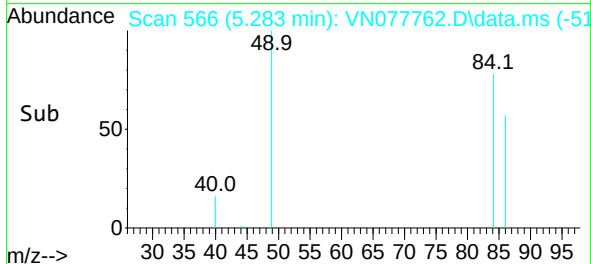
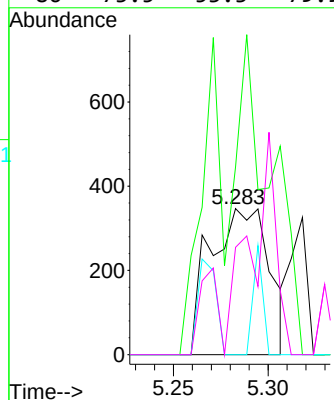
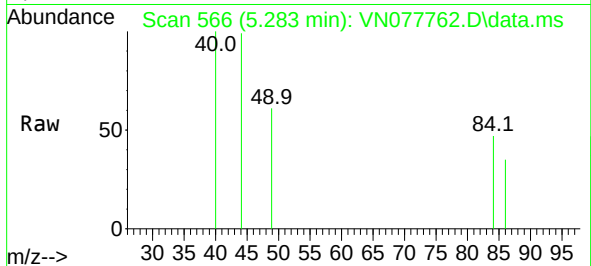




#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

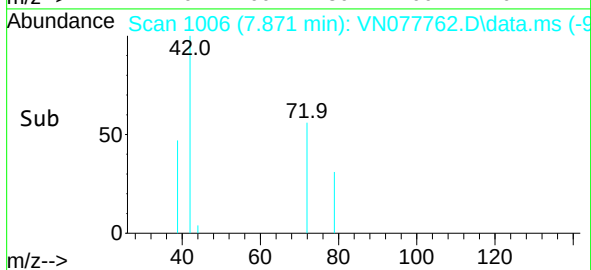
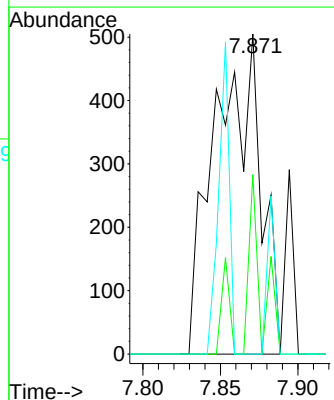
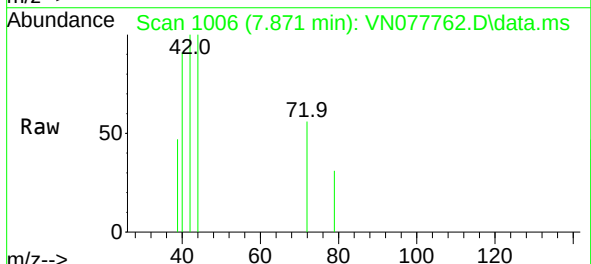
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230518

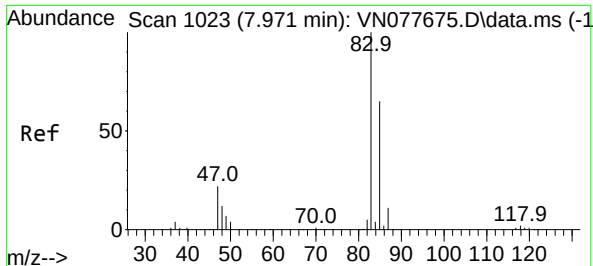
Tgt Ion:	84	Resp:	754
Ion	Ratio	Lower	Upper
84	100		
49	128.5	79.7	119.5#
51	0.0	25.2	37.8#
86	73.5	53.3	79.9



#29
Tetrahydrofuran
Concen: 0.580 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.030 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

Tgt Ion:	42	Resp:	1037
Ion	Ratio	Lower	Upper
42	100		
72	14.9	49.8	74.6#
71	8.5	47.4	71.2#





#30

Chloroform

Concen: 1.279 ug/l

RT: 7.971 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VN077762.D

Acq: 19 May 2023 14:26

Instrument :

MSVOA_N

ClientSampleId :

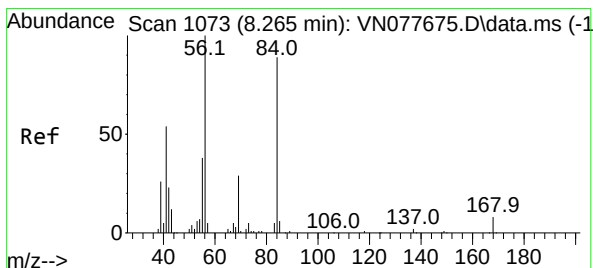
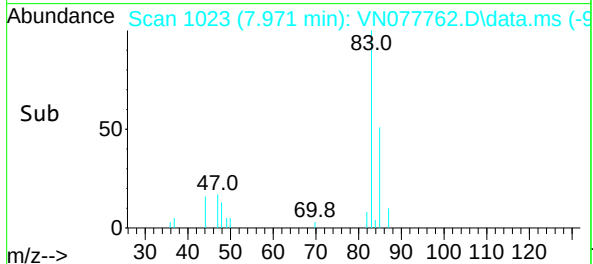
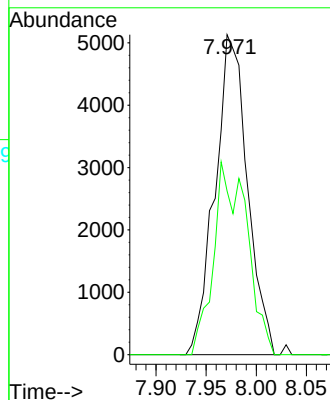
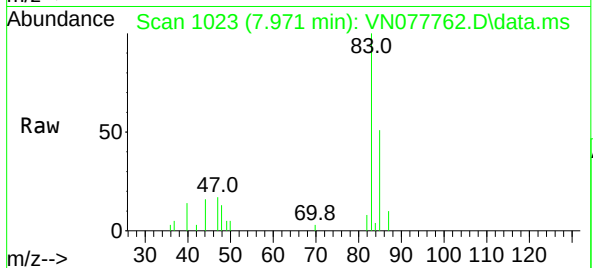
BP-VPB-RW11-EB-20230518

Tgt Ion: 83 Resp: 11565

Ion Ratio Lower Upper

83 100

85 51.1 55.4 83.0#



#31

Cyclohexane

Concen: 1.165 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.029 min

Lab File: VN077762.D

Acq: 19 May 2023 14:26

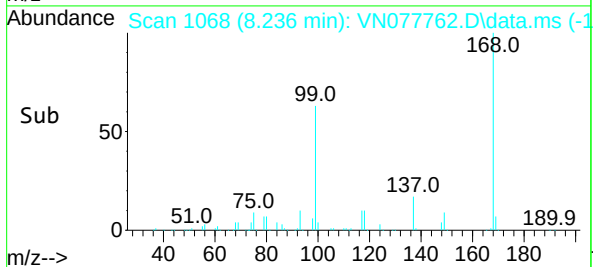
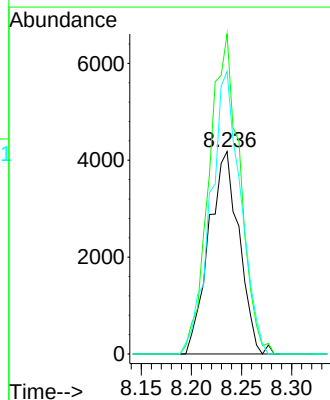
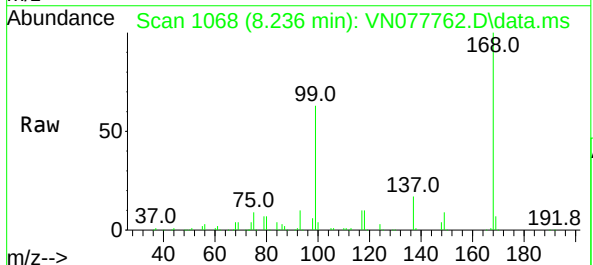
Tgt Ion: 56 Resp: 8777

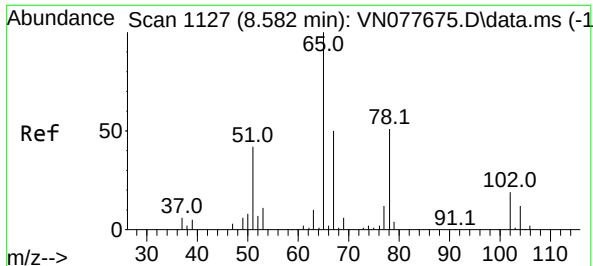
Ion Ratio Lower Upper

56 100

69 158.1 26.8 40.2#

84 143.5 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 44.460 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077762.D

Acq: 19 May 2023 14:26

Instrument :

MSVOA_N

ClientSampleId :

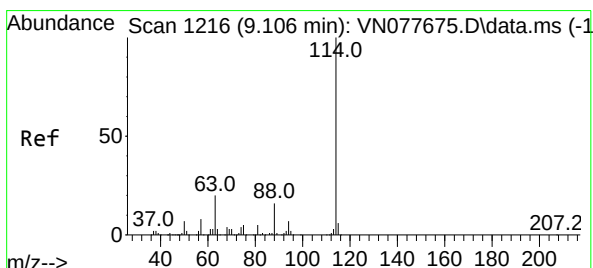
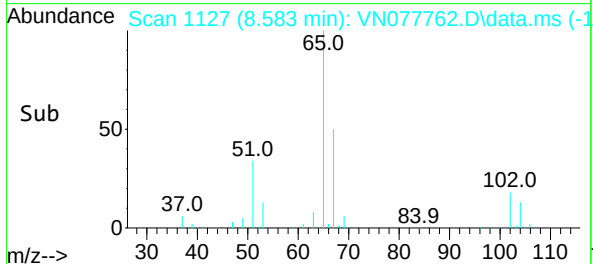
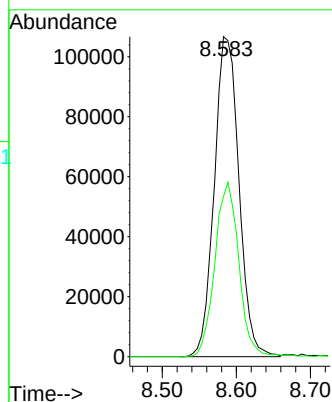
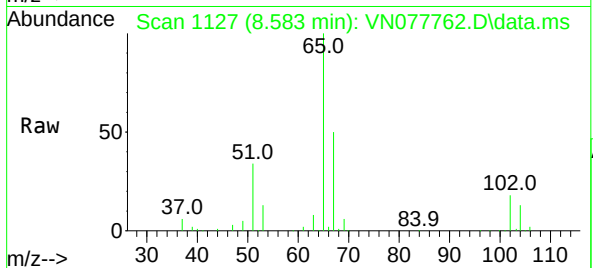
BP-VPB-RW11-EB-20230518

Tgt Ion: 65 Resp: 246499

Ion Ratio Lower Upper

65 100

67 53.1 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: VN077762.D

Acq: 19 May 2023 14:26

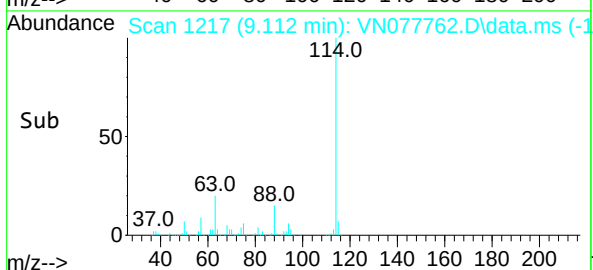
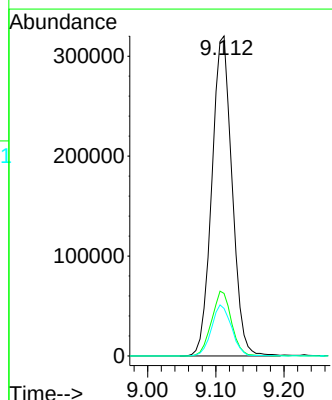
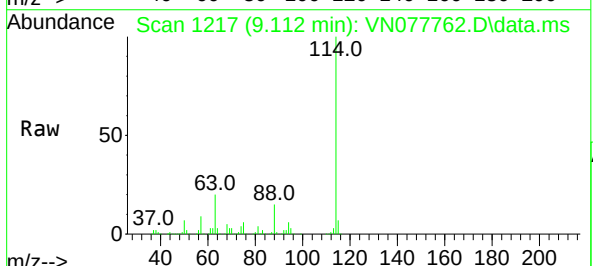
Tgt Ion: 114 Resp: 660783

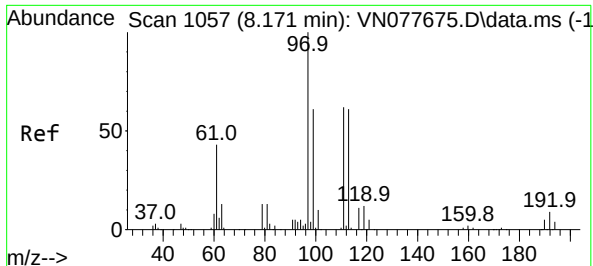
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.892 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077762.D

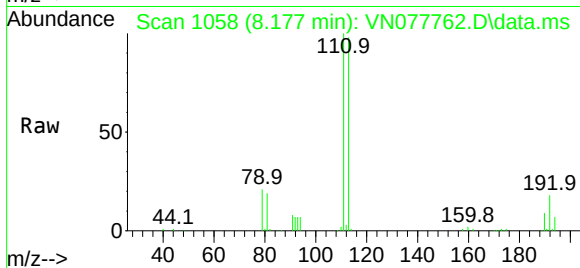
Acq: 19 May 2023 14:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-EB-20230518



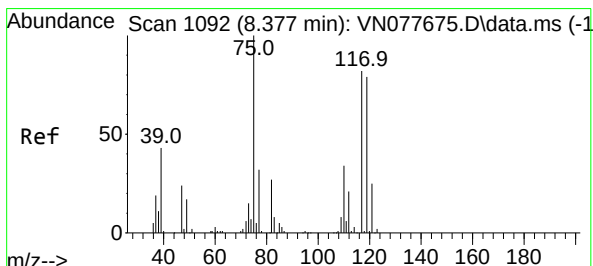
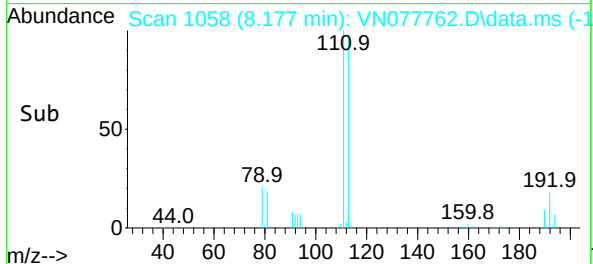
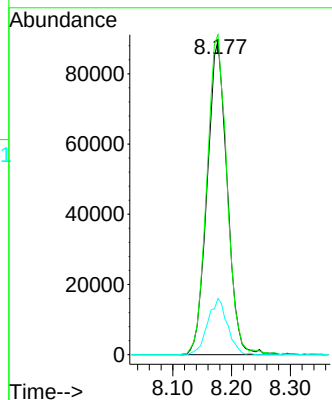
Tgt Ion:113 Resp: 210671

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 17.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.819 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN077762.D

Acq: 19 May 2023 14:26

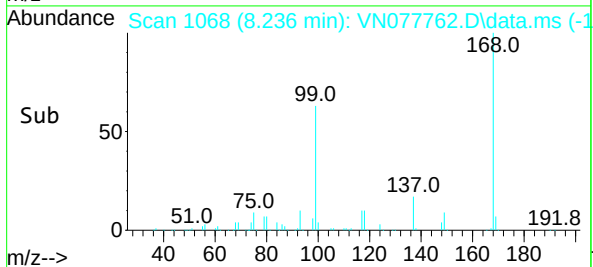
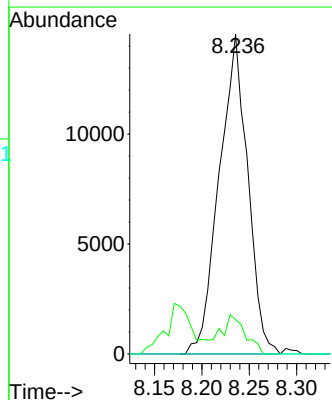
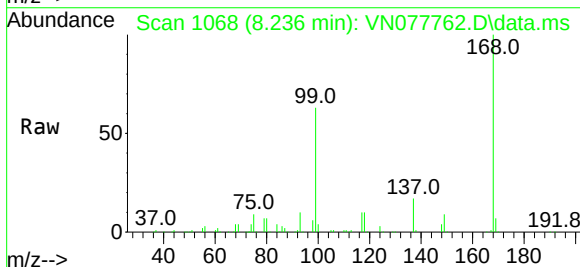
Tgt Ion: 75 Resp: 30369

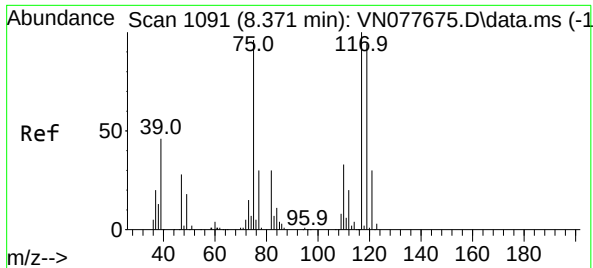
Ion Ratio Lower Upper

75 100

110 10.5 19.1 57.3#

77 0.0 25.0 37.4#

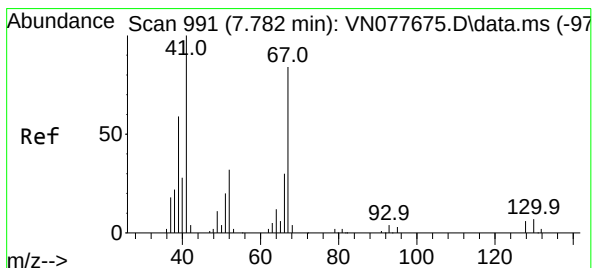
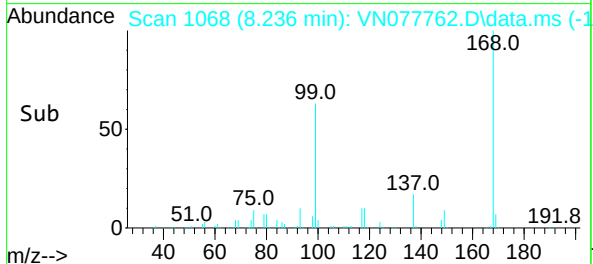
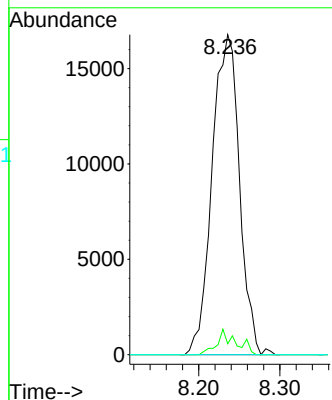
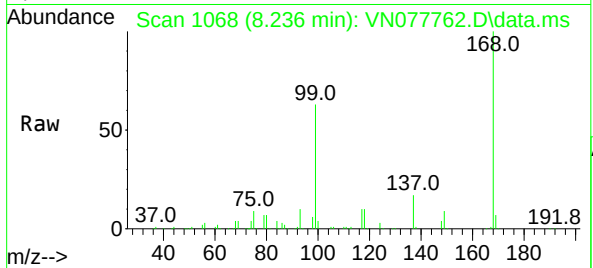




#38
Carbon Tetrachloride
Concen: 6.173 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

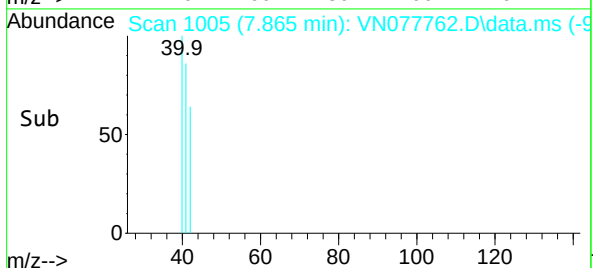
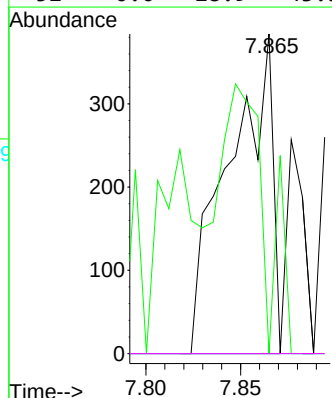
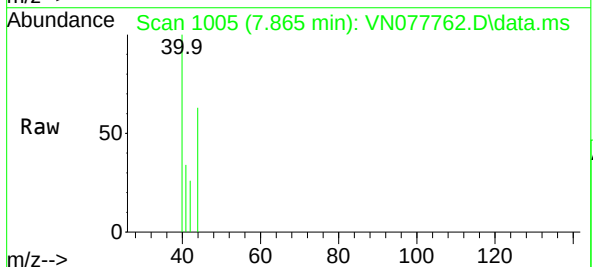
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW11-EB-20230518

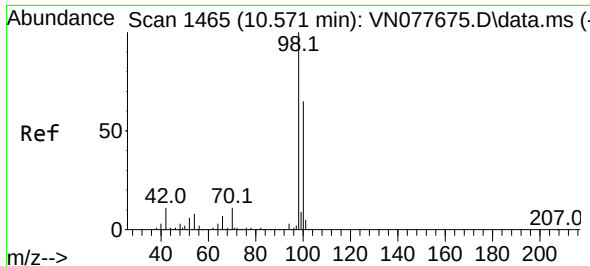
Tgt Ion:117 Resp: 39288
Ion Ratio Lower Upper
117 100
119 3.4 77.3 115.9#
121 0.0 23.3 34.9#



#41
Methacrylonitrile
Concen: 0.206 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.083 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

Tgt Ion: 41 Resp: 615
Ion Ratio Lower Upper
41 100
39 89.8 42.6 64.0#
67 0.0 77.5 116.3#
52 0.0 28.9 43.3#

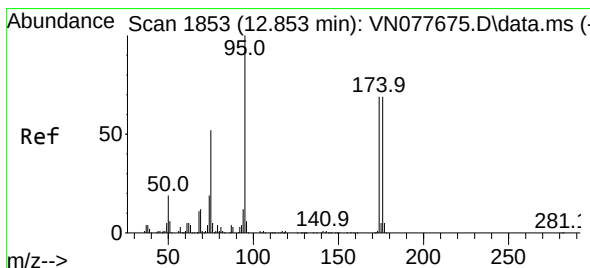
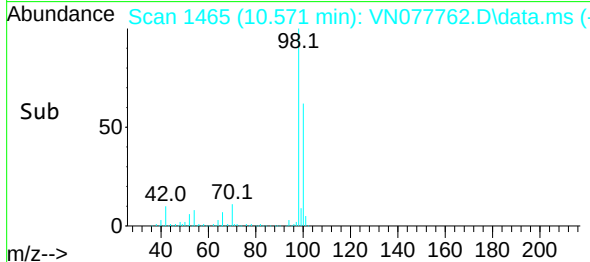
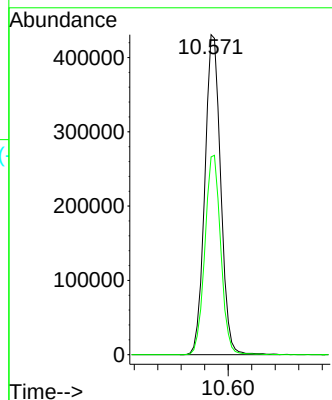
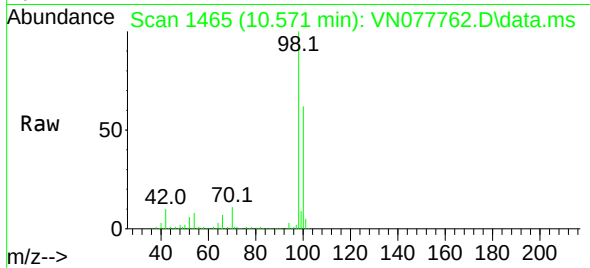




#50
Toluene-d8
Concen: 48.695 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

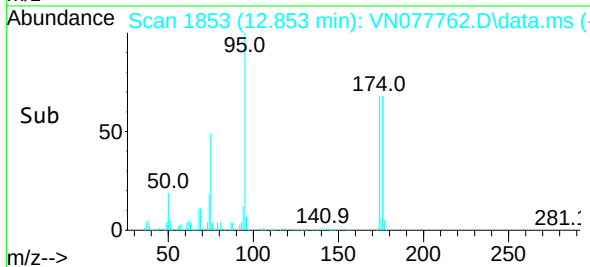
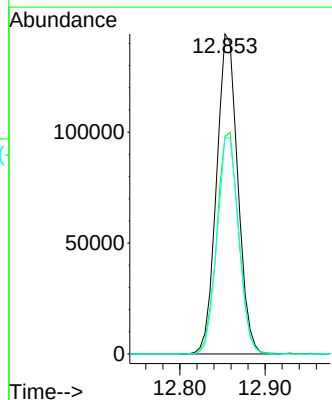
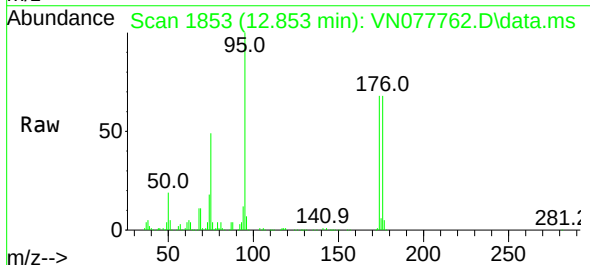
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW11-EB-20230518

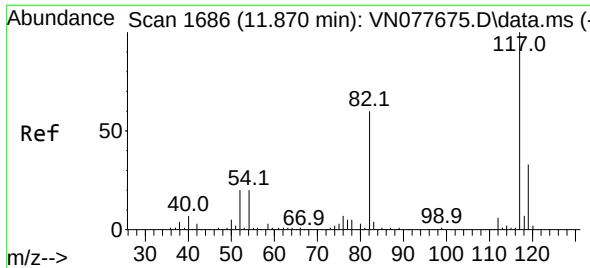
Tgt Ion: 98 Resp: 807624
Ion Ratio Lower Upper
98 100
100 62.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 42.666 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

Tgt Ion: 95 Resp: 249917
Ion Ratio Lower Upper
95 100
174 70.8 0.0 143.8
176 69.1 0.0 135.8

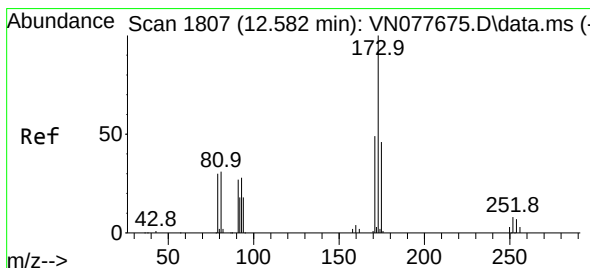
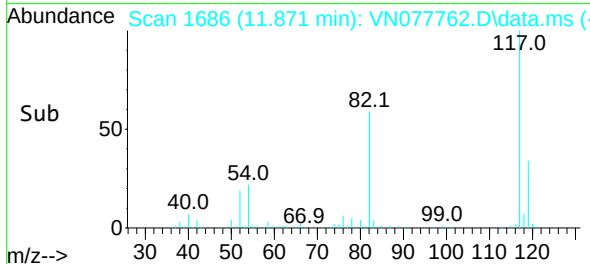
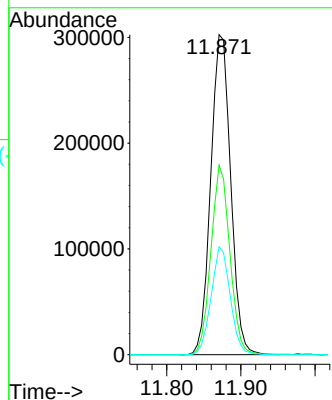
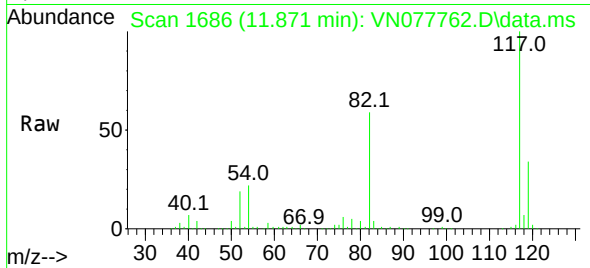




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

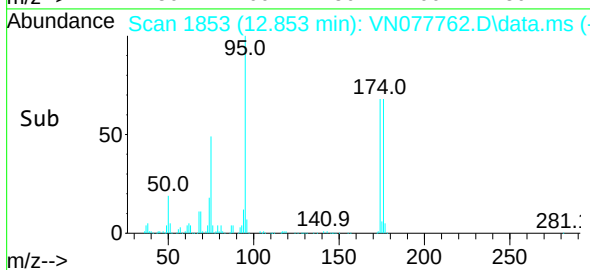
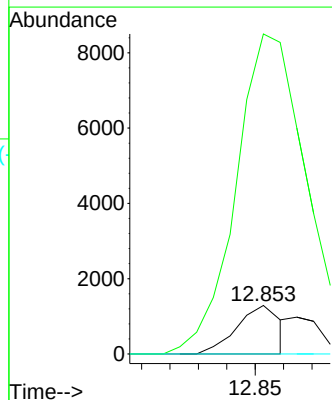
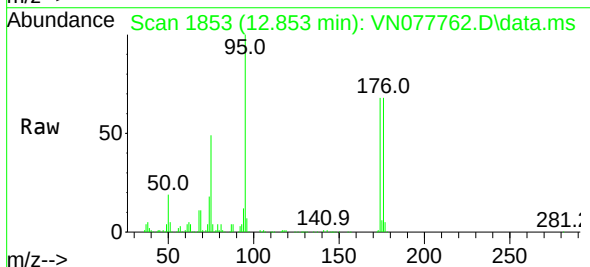
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-EB-20230518

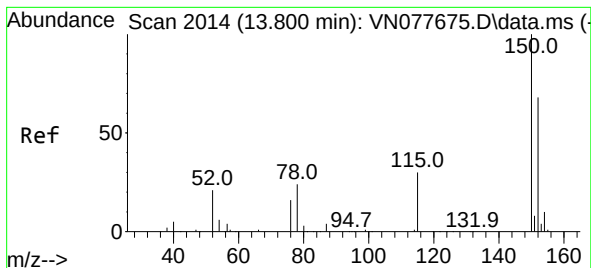
Tgt Ion:117 Resp: 564642
Ion Ratio Lower Upper
117 100
82 59.2 44.0 66.0
119 33.7 25.6 38.4



#71
Bromoform
Concen: 0.488 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN077762.D
Acq: 19 May 2023 14:26

Tgt Ion:173 Resp: 1376
Ion Ratio Lower Upper
173 100
175 743.5 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# 20

Delta R.T. -0.000 min

Lab File: VN077762.D

Acq: 19 May 2023 14:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-EB-20230518

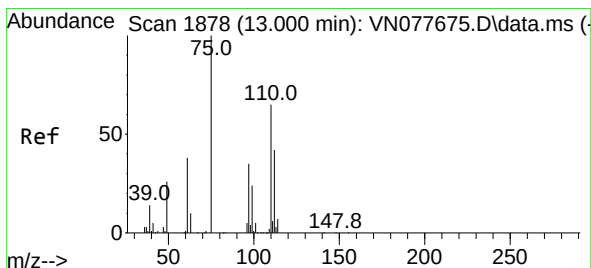
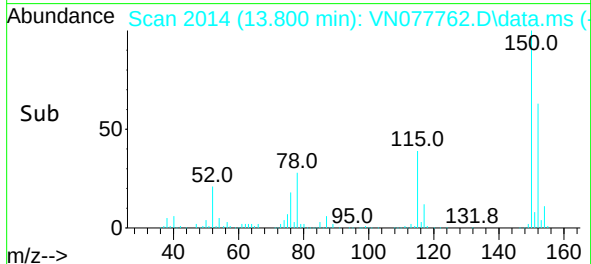
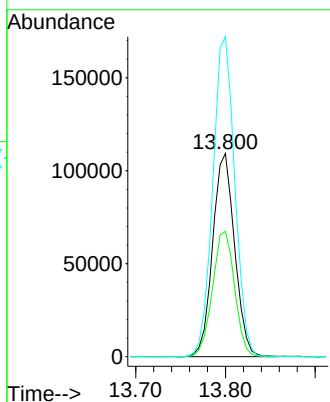
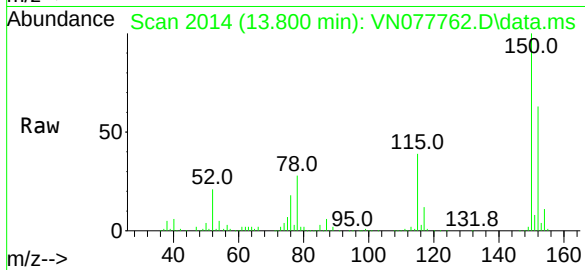
Tgt Ion:152 Resp: 185877

Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

150 157.2 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 28.303 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN077762.D

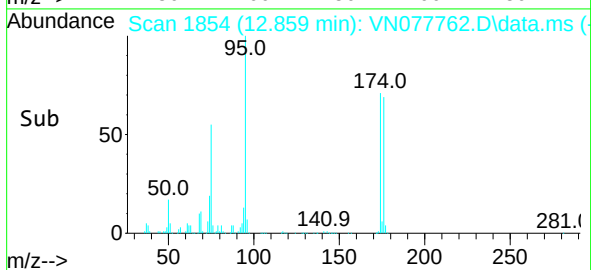
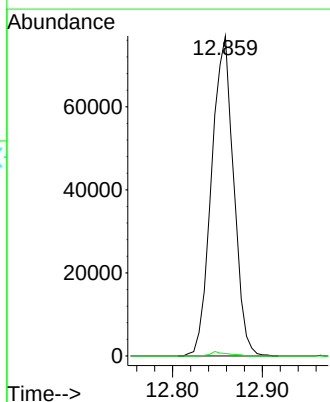
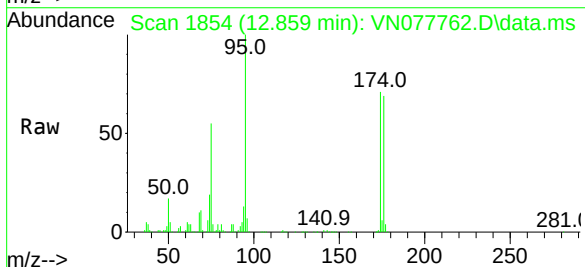
Acq: 19 May 2023 14:26

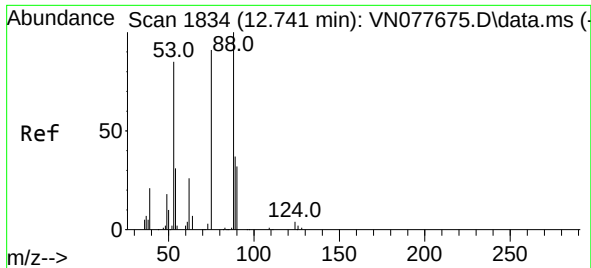
Tgt Ion: 75 Resp: 131753

Ion Ratio Lower Upper

75 100

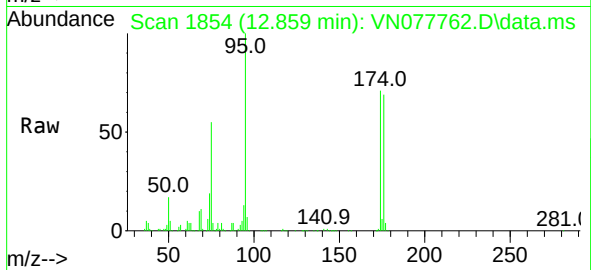
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.472 ug/l
 RT: 12.859 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN077762.D
 Acq: 19 May 2023 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-EB-20230518



Tgt Ion: 75 Resp: 131753
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.1 38.8 58.2#

