

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052523\
 Data File : VN077902.D
 Acq On : 25 May 2023 15:14
 Operator : JC\MD
 Sample : 02944-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-TB-20230519

Quant Time: May 26 04:32:52 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)

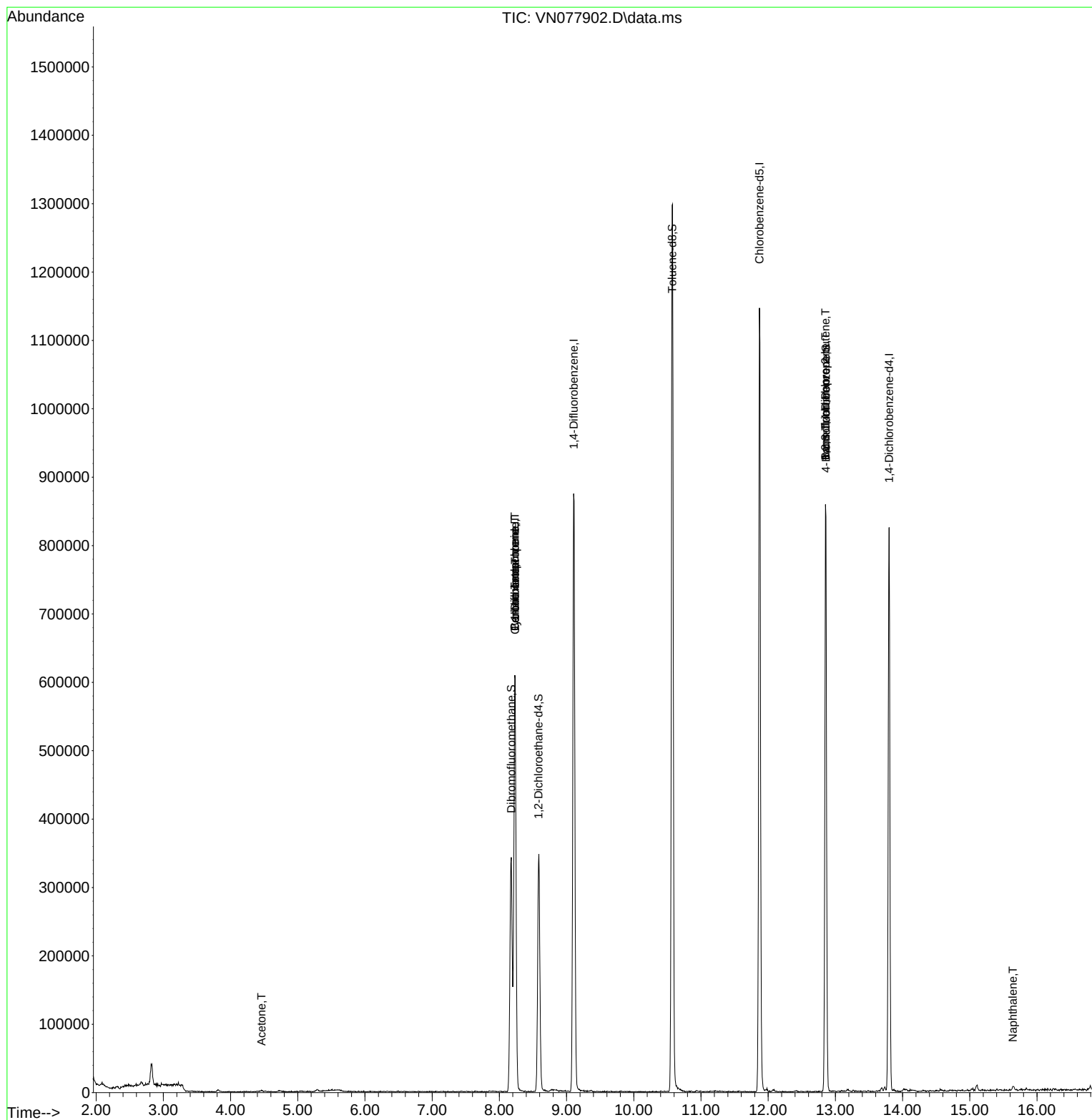
Internal Standards						
1) Pentafluorobenzene	8.229	168	441791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	801295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	689781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	225325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	289142	43.741	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.480%		
35) Dibromofluoromethane	8.177	113	252592	48.342	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.680%		
50) Toluene-d8	10.571	98	976492	48.553	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.100%		
62) 4-Bromofluorobenzene	12.859	95	313694	44.163	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.320%		
Target Compounds						
3) Chloromethane	2.371	50	1911	Below Cal		97
13) Acrolein	4.194	56	145	Below Cal		99
16) Acetone	4.459	43	2584	1.242 ug/l #		83
20) Methylene Chloride	5.283	84	1810	Below Cal #		84
31) Cyclohexane	8.235	56	10523	1.171 ug/l #		38
36) 1,1-Dichloropropene	8.229	75	38502	5.038 ug/l #		49
38) Carbon Tetrachloride	8.229	117	49649	6.433 ug/l #		16
71) Bromoform	12.853	173	1401	0.407 ug/l #		1
76) 1,2,3-Trichloropropane	12.853	75	165096	29.257 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	165096	93.521 ug/l #		15
95) Naphthalene	15.641	128	5490	0.356 ug/l		97

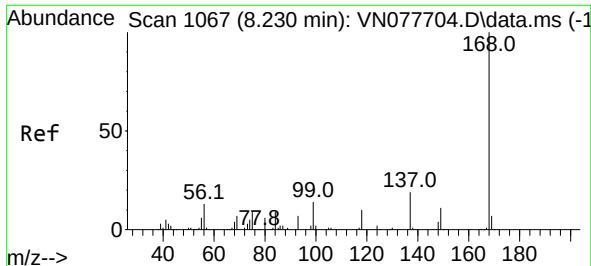
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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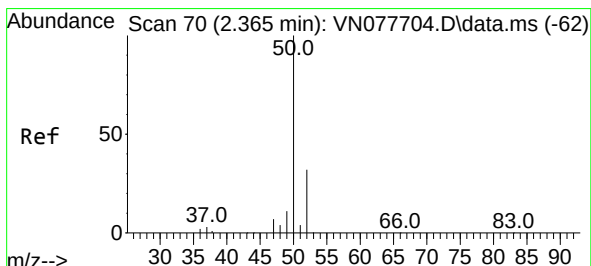
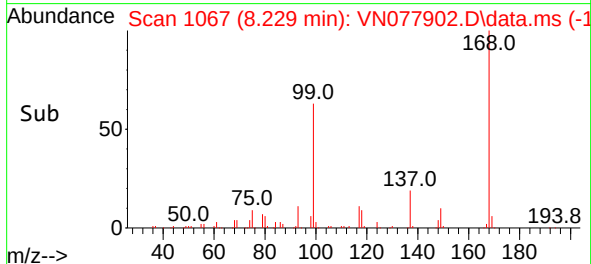
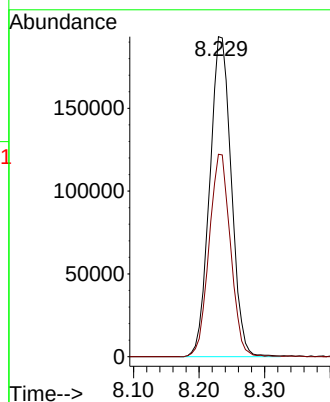
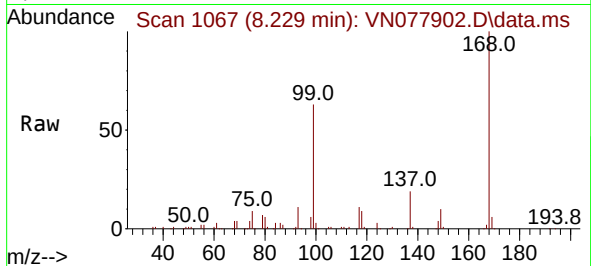




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

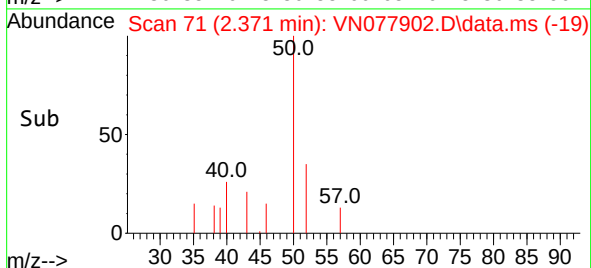
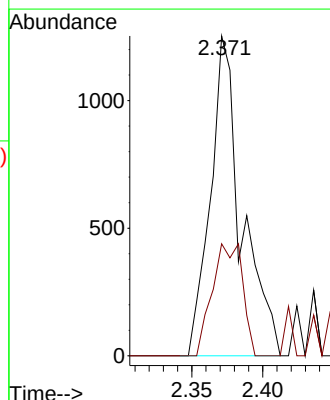
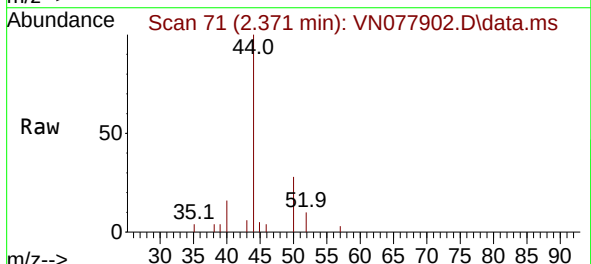
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-TB-20230519

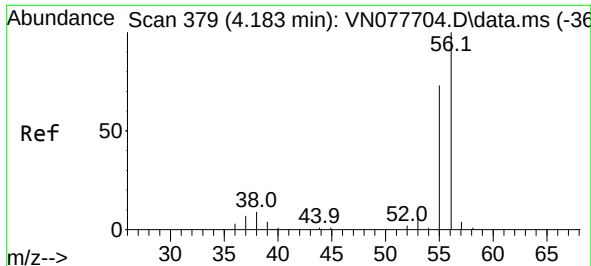
Tgt Ion:168 Resp: 441791
Ion Ratio Lower Upper
168 100
99 63.3 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

Tgt Ion: 50 Resp: 1911
Ion Ratio Lower Upper
50 100
52 35.0 26.5 39.7





#13

Acrolein

Concen: Below Cal

RT: 4.194 min Scan# 381

Delta R.T. 0.005 min

Lab File: VN077902.D

Acq: 25 May 2023 15:14

Instrument :

MSVOA_N

ClientSampleId :

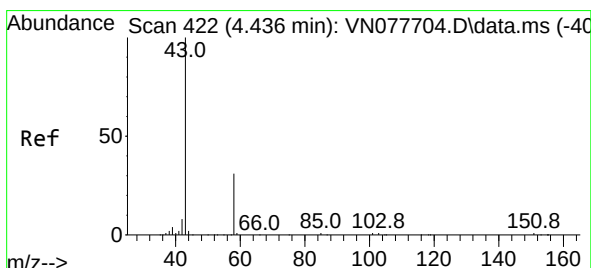
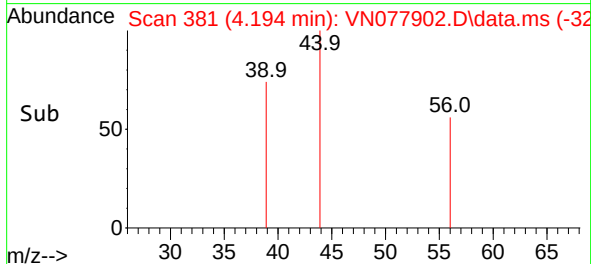
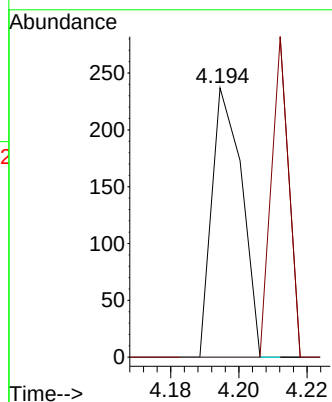
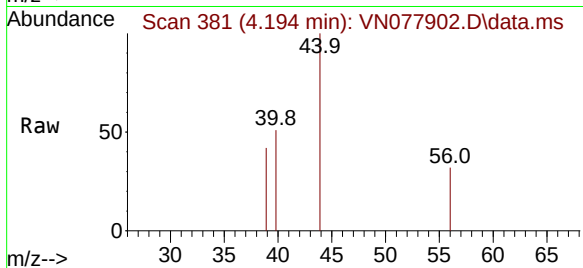
BP-VPB-RW11-TB-20230519

Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 69.0 54.5 81.7



#16

Acetone

Concen: 1.242 ug/l

RT: 4.459 min Scan# 426

Delta R.T. 0.029 min

Lab File: VN077902.D

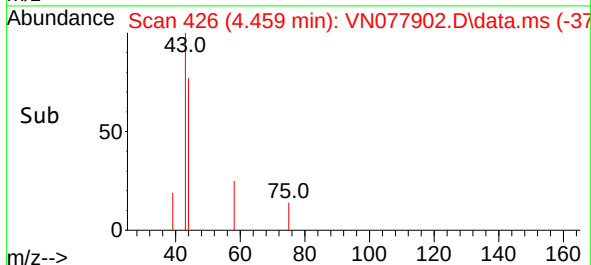
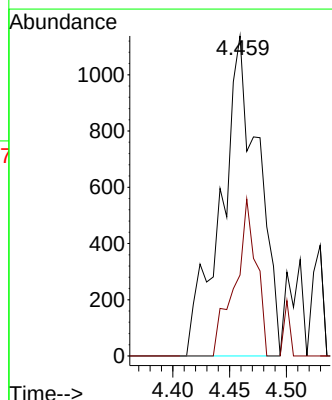
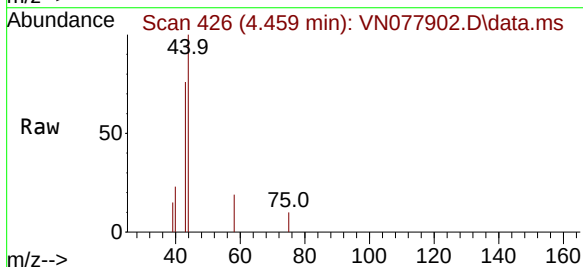
Acq: 25 May 2023 15:14

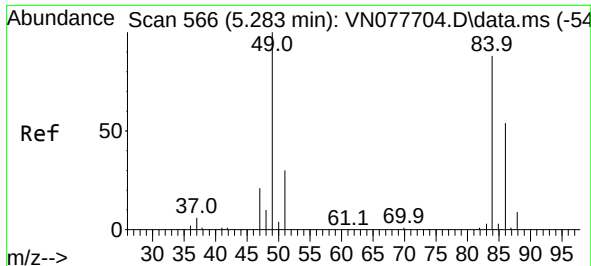
Tgt Ion: 43 Resp: 2584

Ion Ratio Lower Upper

43 100

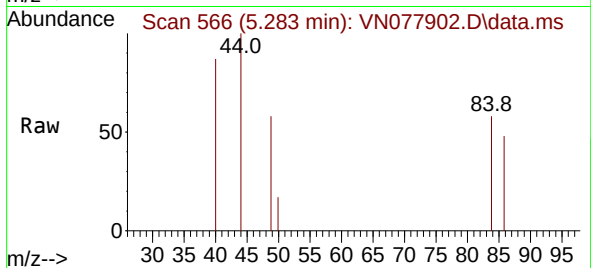
58 25.3 28.0 42.0#



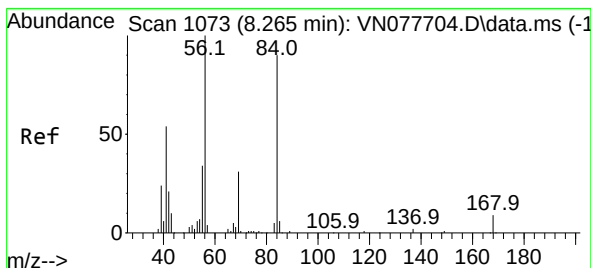
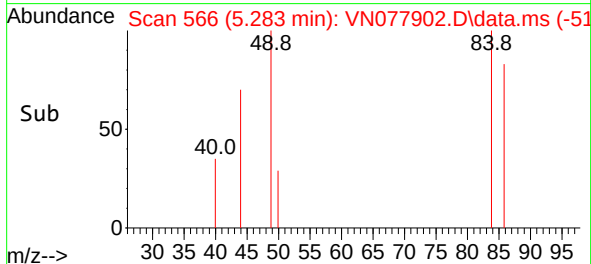
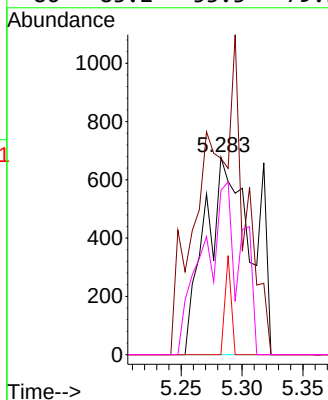


#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-TB-20230519

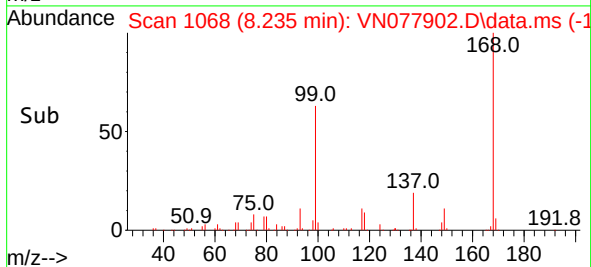
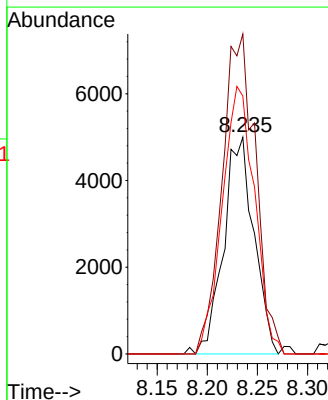
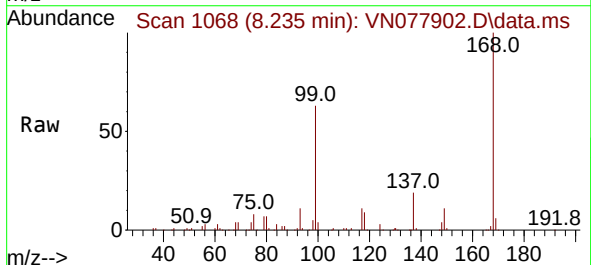


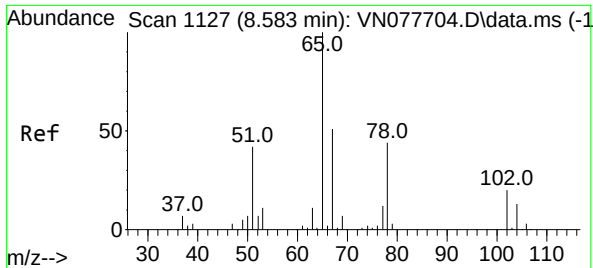
Tgt Ion:	84	Resp:	1810
Ion	Ratio	Lower	Upper
84	100		
49	99.6	79.7	119.5
51	0.0	25.2	37.8#
86	83.2	53.3	79.9#



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

Tgt Ion:	56	Resp:	10523
Ion	Ratio	Lower	Upper
56	100		
69	147.7	26.8	40.2#
84	119.1	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 43.741 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN077902.D

Acq: 25 May 2023 15:14

Instrument :

MSVOA_N

ClientSampleId :

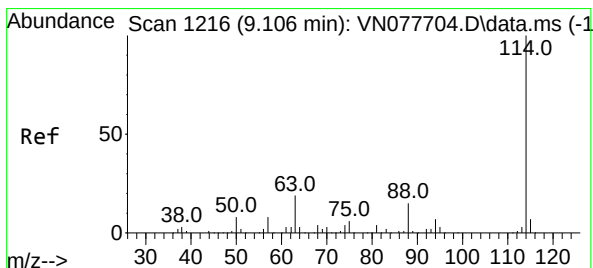
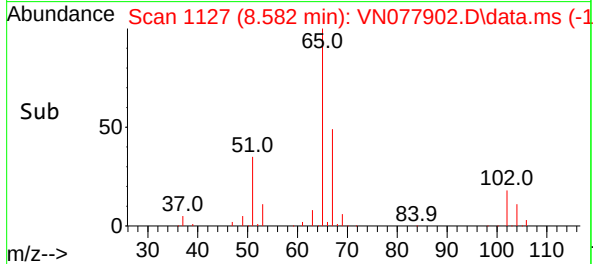
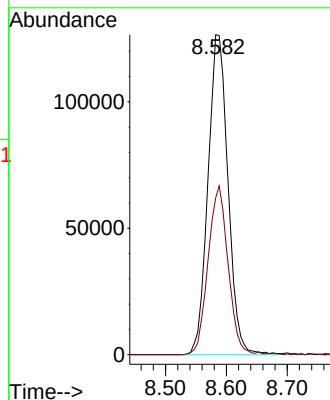
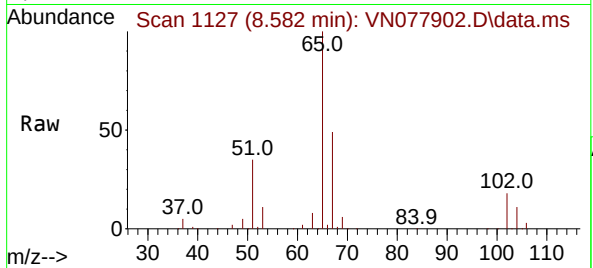
BP-VPB-RW11-TB-20230519

Tgt Ion: 65 Resp: 289142

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN077902.D

Acq: 25 May 2023 15:14

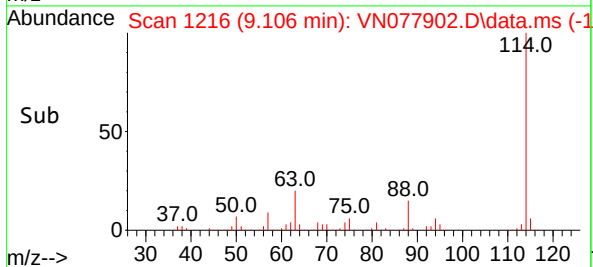
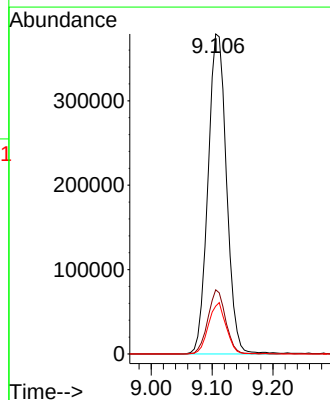
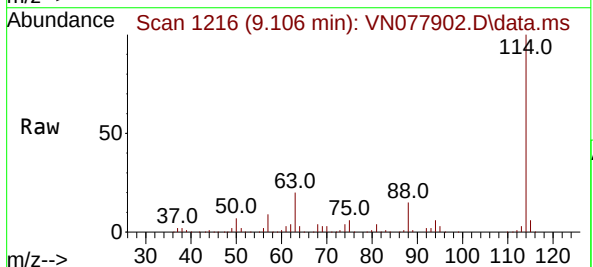
Tgt Ion: 114 Resp: 801295

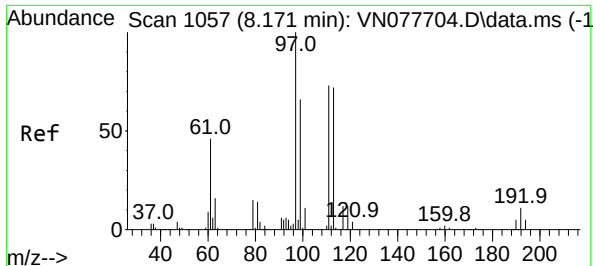
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.342 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077902.D

Acq: 25 May 2023 15:14

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-TB-20230519

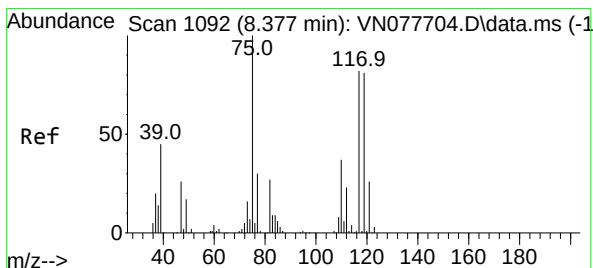
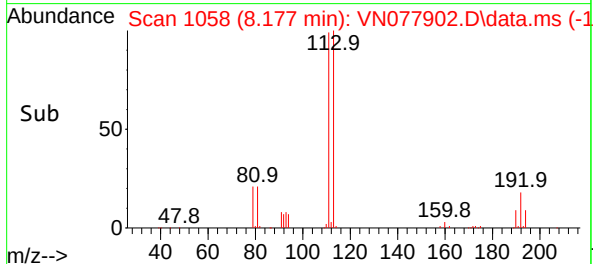
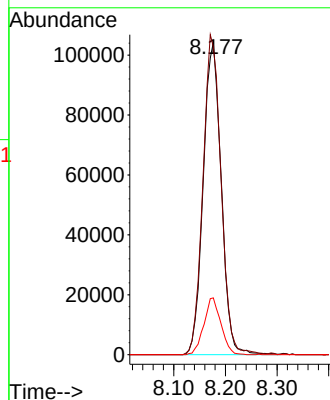
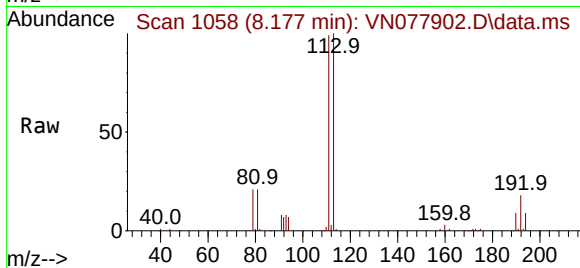
Tgt Ion:113 Resp: 252592

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 17.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.038 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN077902.D

Acq: 25 May 2023 15:14

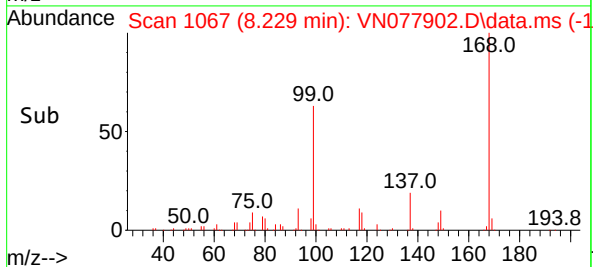
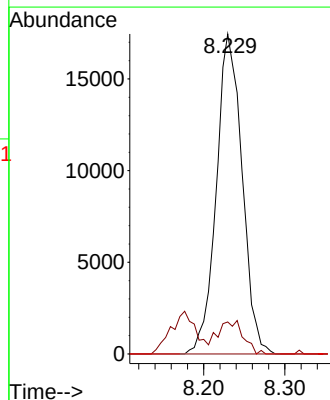
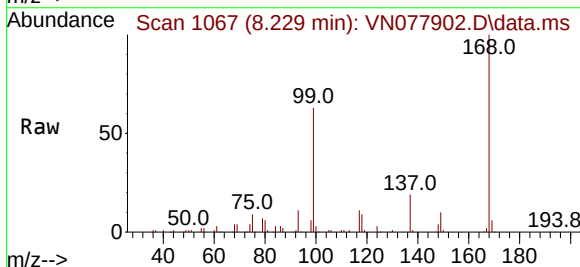
Tgt Ion: 75 Resp: 38502

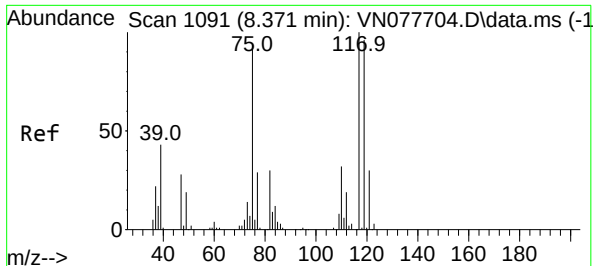
Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.3#

77 0.0 25.0 37.4#

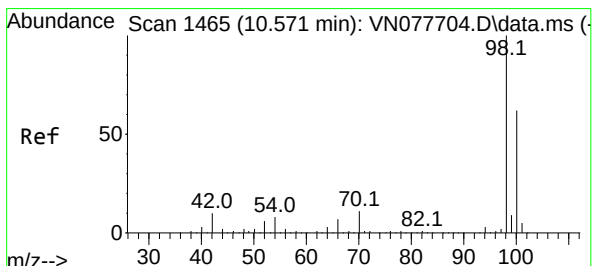
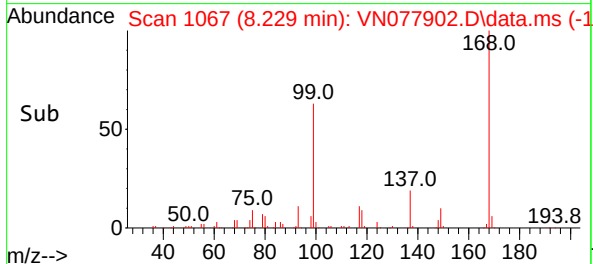
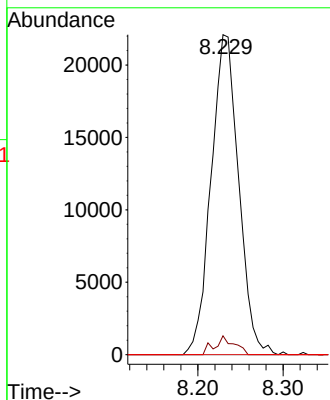
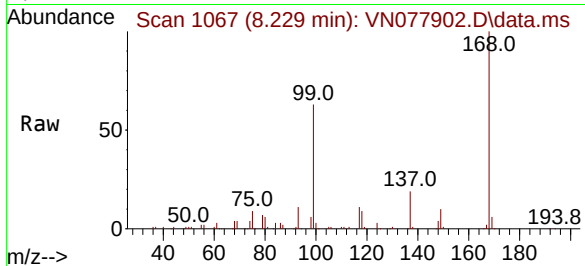




#38
Carbon Tetrachloride
Concen: 6.433 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

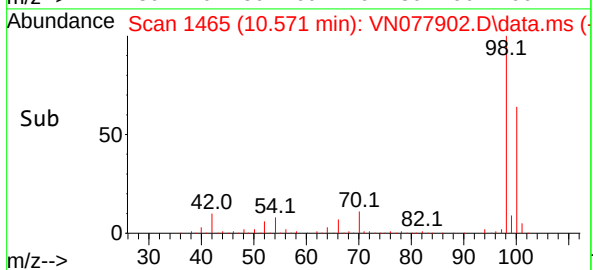
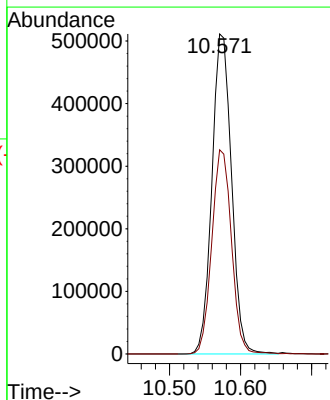
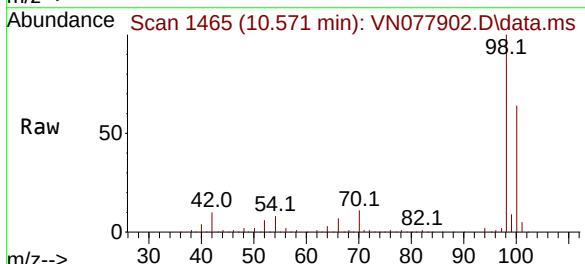
Instrument :
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ClientSampleId :
BP-VPB-RW11-TB-20230519

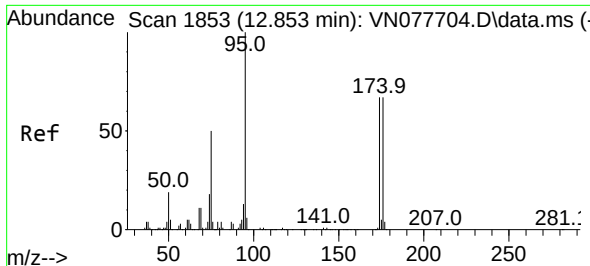
Tgt Ion:117 Resp: 49649
Ion Ratio Lower Upper
117 100
119 5.9 77.3 115.9#
121 0.0 23.3 34.9#



#50
Toluene-d8
Concen: 48.553 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

Tgt Ion: 98 Resp: 976492
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

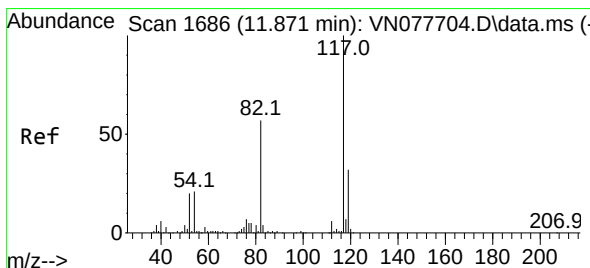
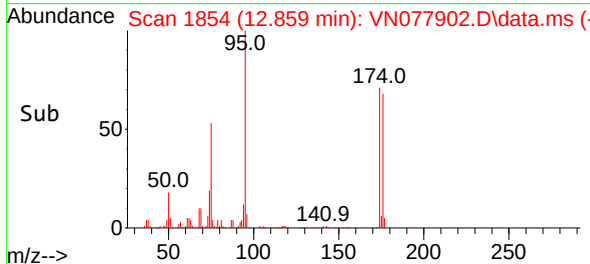
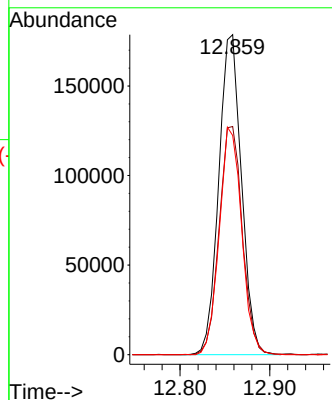
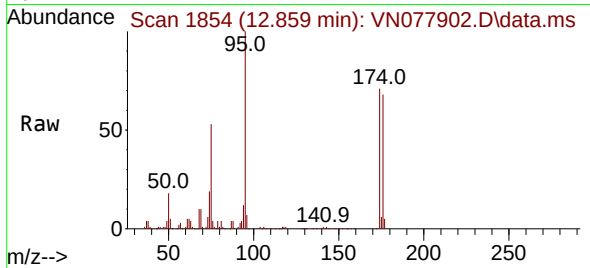




#62
4-Bromofluorobenzene
Concen: 44.163 ug/l
RT: 12.859 min Scan# 1185
Delta R.T. 0.006 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

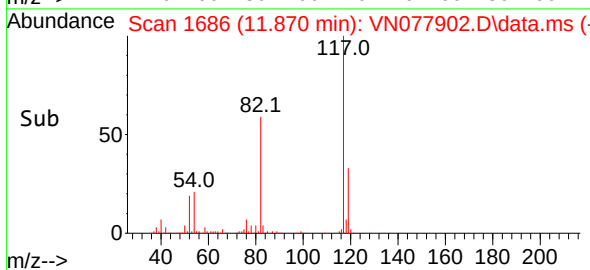
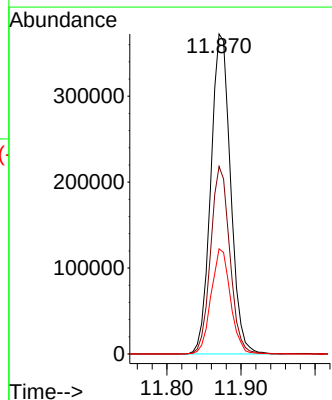
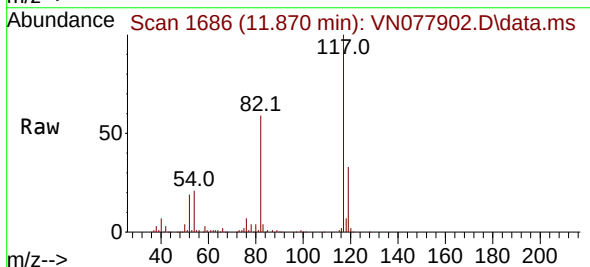
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-TB-20230519

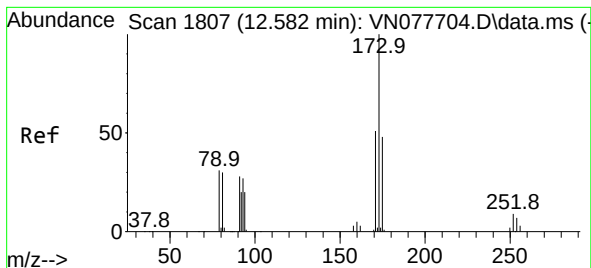
Tgt Ion: 95 Resp: 313694
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 70.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

Tgt Ion: 117 Resp: 689781
Ion Ratio Lower Upper
117 100
82 58.6 44.0 66.0
119 32.8 25.6 38.4





#71

Bromoform

Concen: 0.407 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN077902.D

Acq: 25 May 2023 15:14

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-TB-20230519

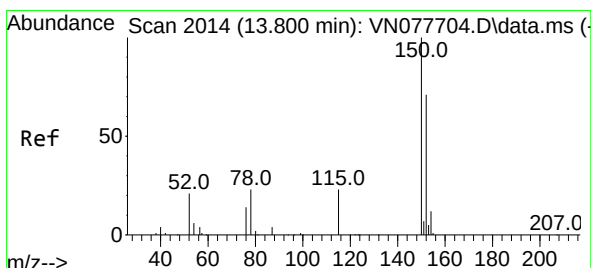
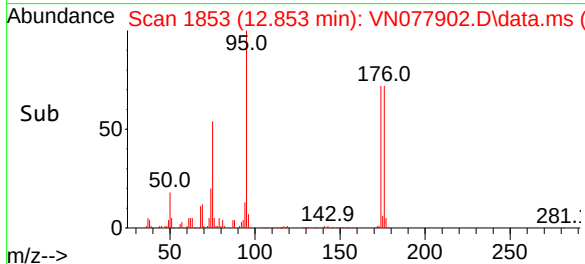
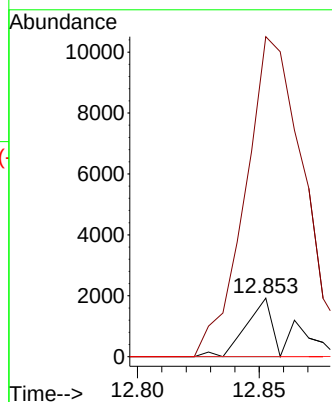
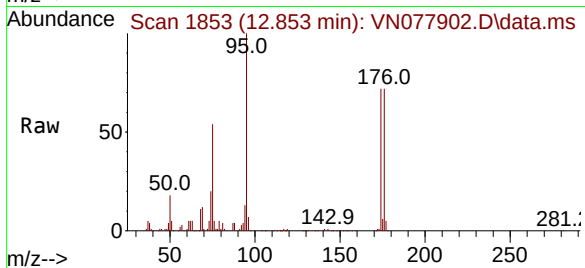
Tgt Ion:173 Resp: 1401

Ion Ratio Lower Upper

173 100

175 843.0 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: VN077902.D

Acq: 25 May 2023 15:14

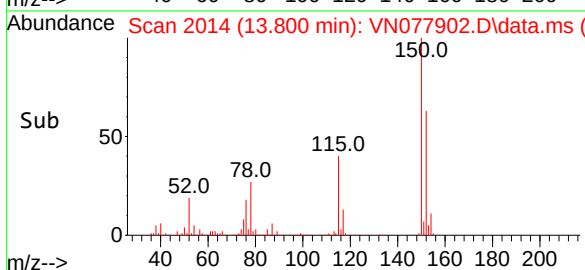
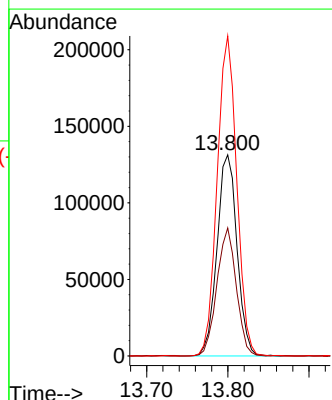
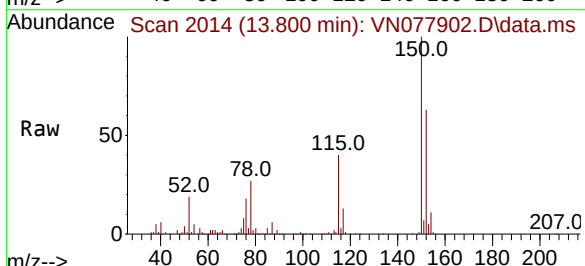
Tgt Ion:152 Resp: 225325

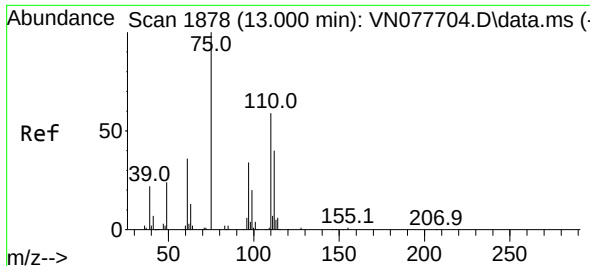
Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

150 155.4 0.0 355.8

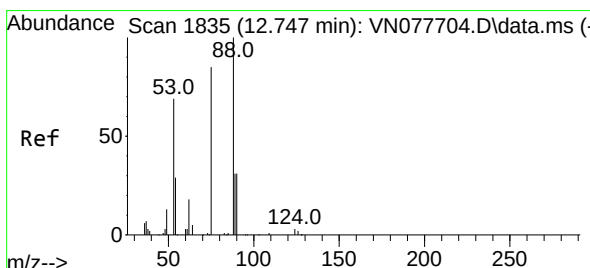
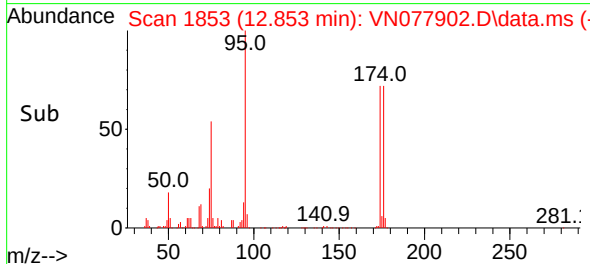
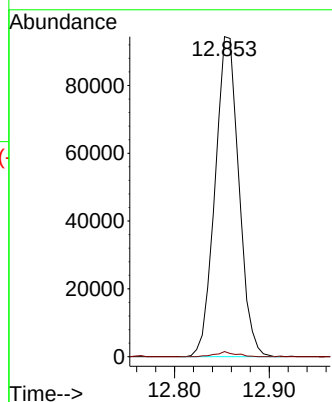
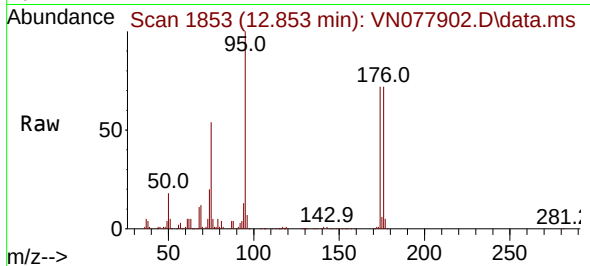




#76
1,2,3-Trichloropropane
Concen: 29.257 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

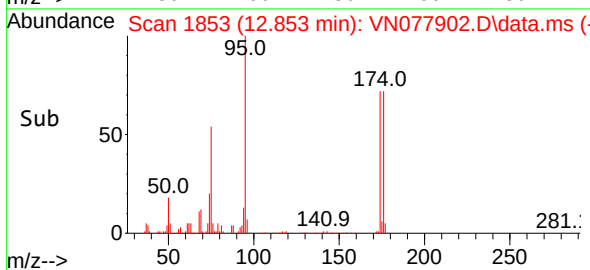
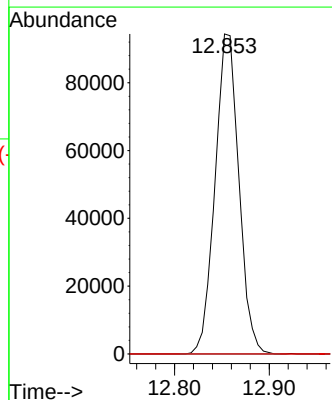
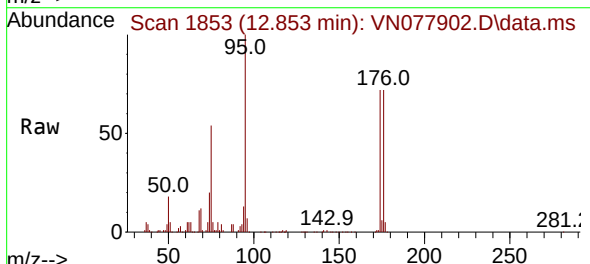
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW11-TB-20230519

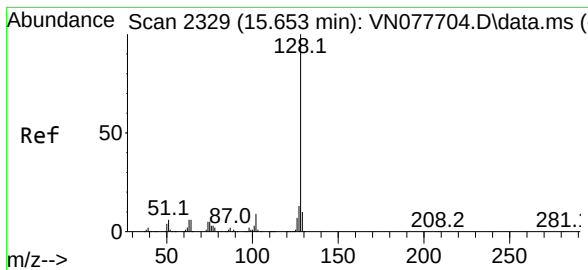
Tgt Ion: 75 Resp: 165096
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.521 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

Tgt Ion: 75 Resp: 165096
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.356 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN077902.D
Acq: 25 May 2023 15:14

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-TB-20230519

Tgt Ion:	128	Resp:	5490
Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.0	15.0
129	10.3	8.7	13.1

