

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052523\
 Data File : VN077901.D
 Acq On : 25 May 2023 14:51
 Operator : JC\MD
 Sample : 02944-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW11-GW-363-365

Quant Time: May 26 04:32:24 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)

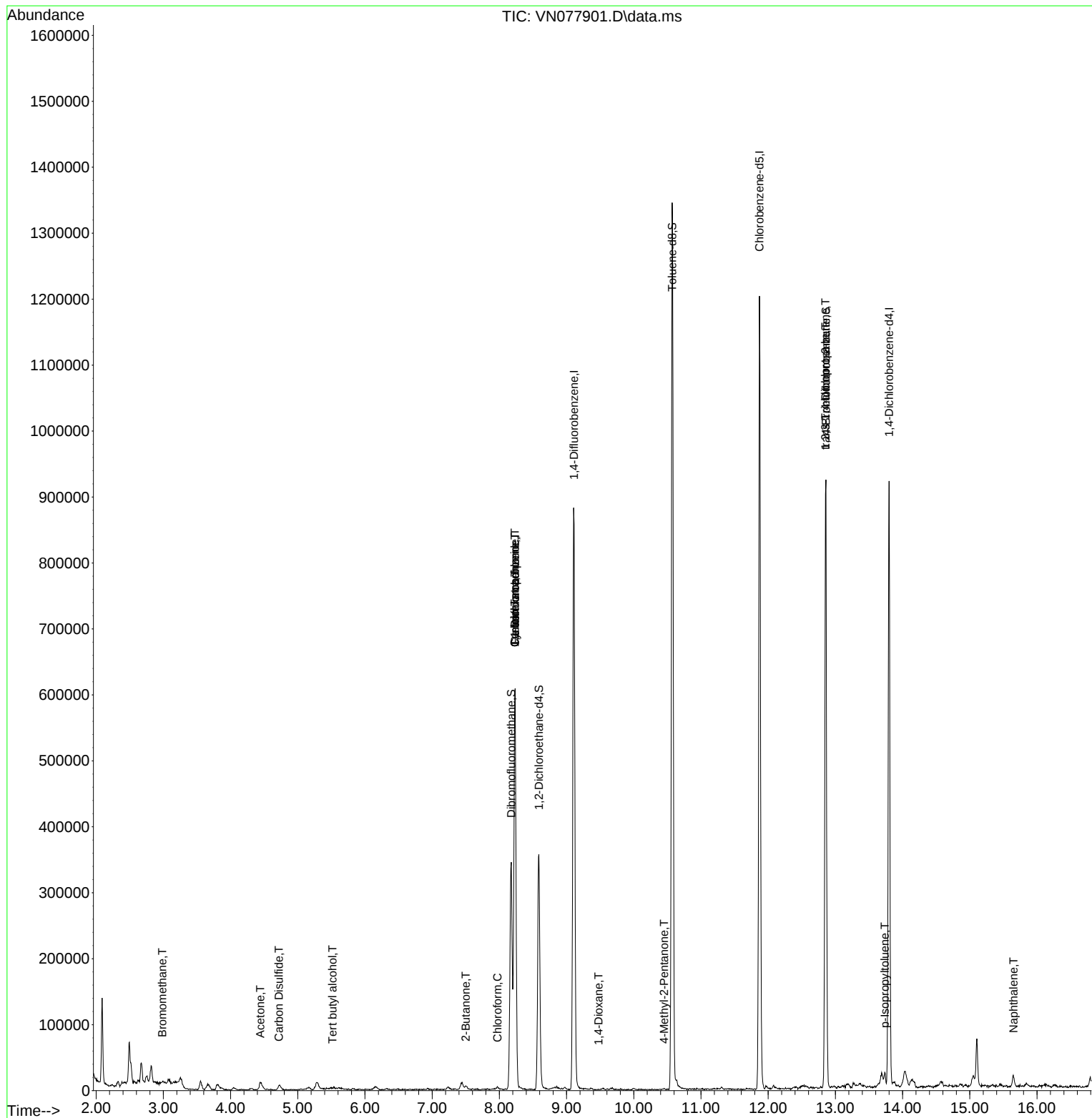
Internal Standards						
1) Pentafluorobenzene	8.236	168	438917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	811508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	710388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	244755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	300292	45.725	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.460%
35) Dibromofluoromethane	8.177	113	251849	47.593	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.180%
50) Toluene-d8	10.571	98	995313	48.866	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.740%
62) 4-Bromofluorobenzene	12.859	95	340700	47.361	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.720%
Target Compounds						
3) Chloromethane	2.377	50	1925	Below Cal		97
5) Bromomethane	2.983	94	2055	0.441 ug/l		95
11) Tert butyl alcohol	5.518	59	1549	1.709 ug/l #		72
13) Acrolein	4.189	56	237	Below Cal	#	65
16) Acetone	4.442	43	21043	10.185 ug/l #		85
17) Carbon Disulfide	4.718	76	8145	0.655 ug/l #		89
20) Methylene Chloride	5.283	84	9267	Below Cal	#	92
25) 2-Butanone	7.500	43	8034	2.486 ug/l #		82
30) Chloroform	7.971	83	3711	0.346 ug/l #		78
31) Cyclohexane	8.230	56	9704	1.087 ug/l #		13
36) 1,1-Dichloropropene	8.230	75	37409	4.833 ug/l #		47
38) Carbon Tetrachloride	8.230	117	47637	6.095 ug/l #		14
49) 1,4-Dioxane	9.477	88	54	0.535 ug/l #		30
51) 4-Methyl-2-Pentanone	10.453	43	1400	0.209 ug/l #		81
76) 1,2,3-Trichloropropane	12.853	75	179146	29.227 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	179146	93.424 ug/l #		15
86) p-Isopropyltoluene	13.735	119	9894	0.564 ug/l		97
95) Naphthalene	15.653	128	13790	0.824 ug/l #		82

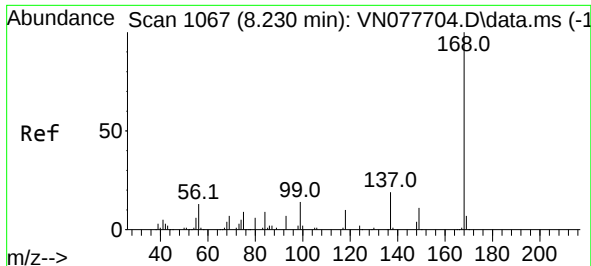
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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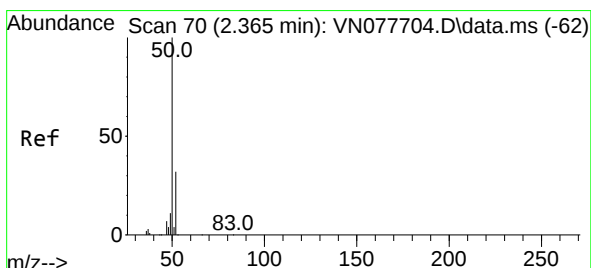
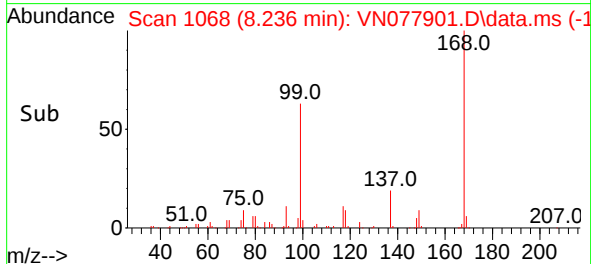
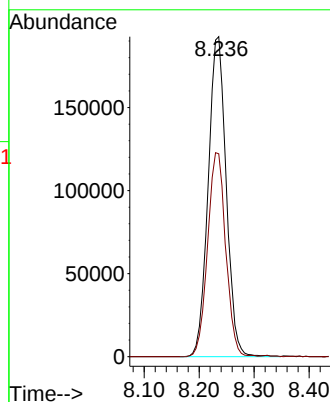
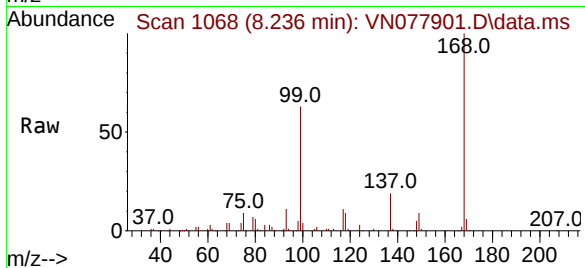




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

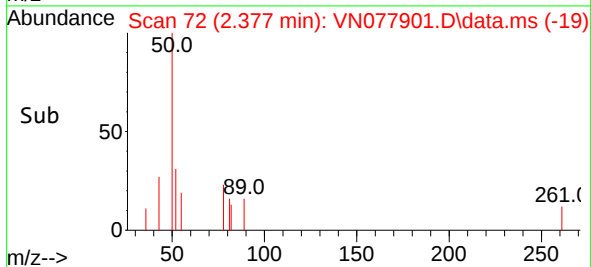
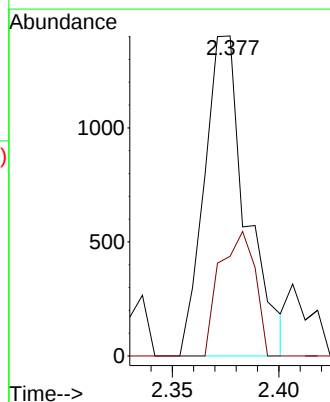
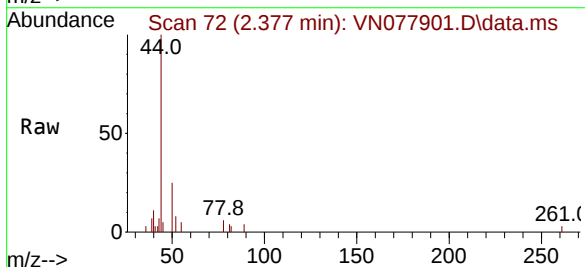
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-363-365

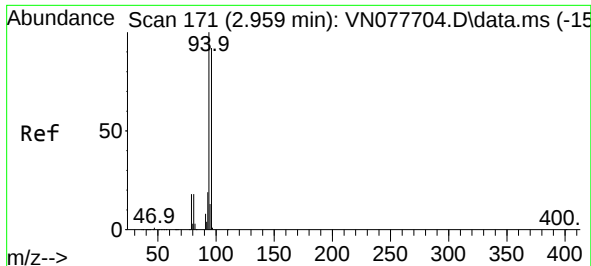
Tgt Ion:168 Resp: 438917
Ion Ratio Lower Upper
168 100
99 63.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

Tgt Ion: 50 Resp: 1925
Ion Ratio Lower Upper
50 100
52 31.1 26.5 39.7

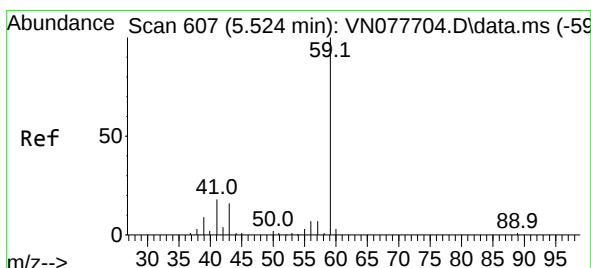
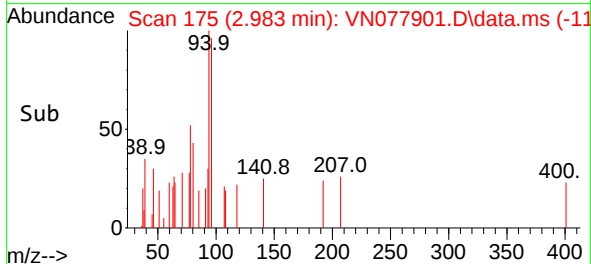
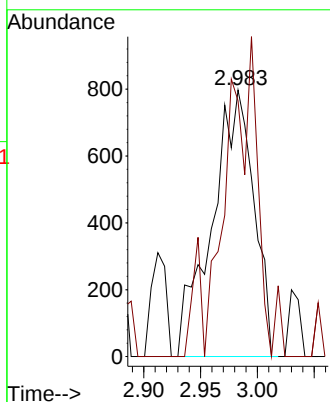
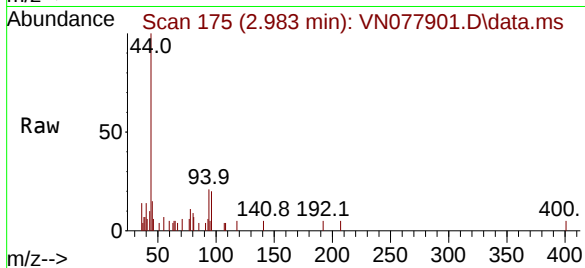




#5
Bromomethane
Concen: 0.441 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

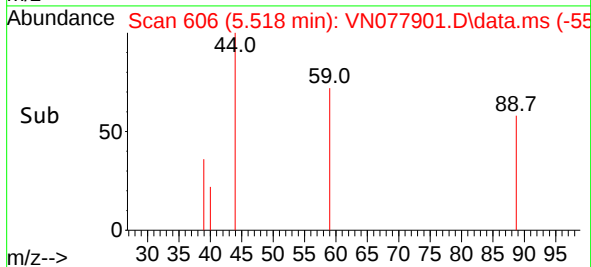
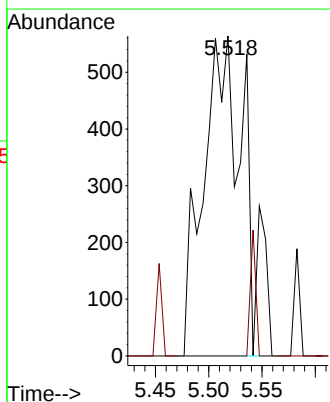
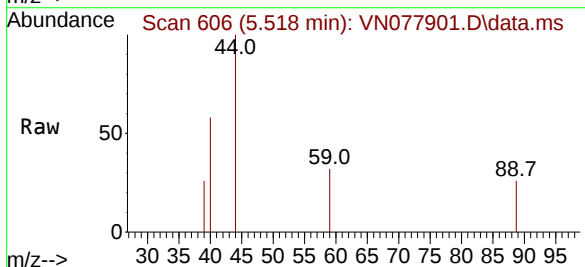
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-363-365

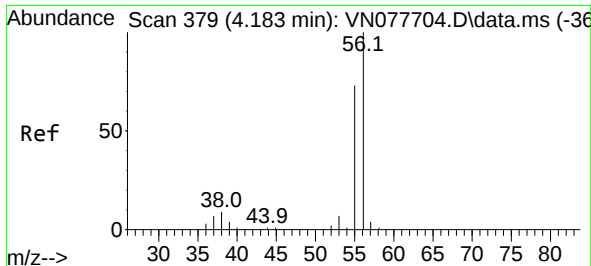
Tgt Ion: 94 Resp: 2055
Ion Ratio Lower Upper
94 100
96 96.0 73.1 109.7



#11
Tert butyl alcohol
Concen: 1.709 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

Tgt Ion: 59 Resp: 1549
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

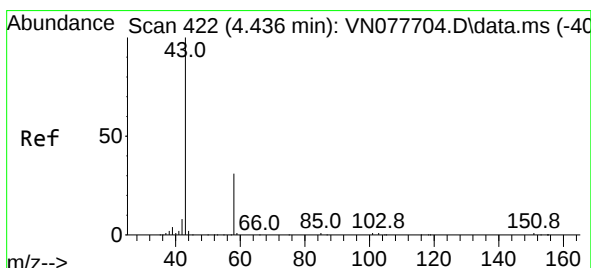
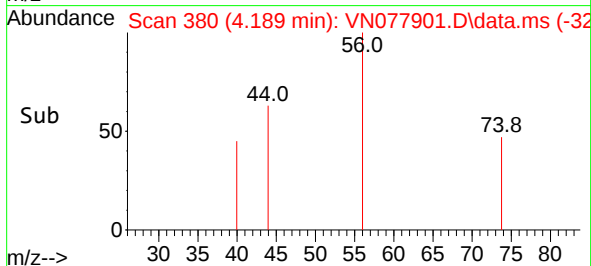
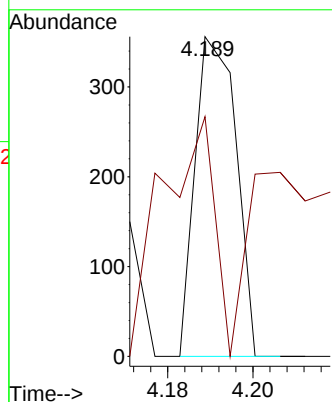
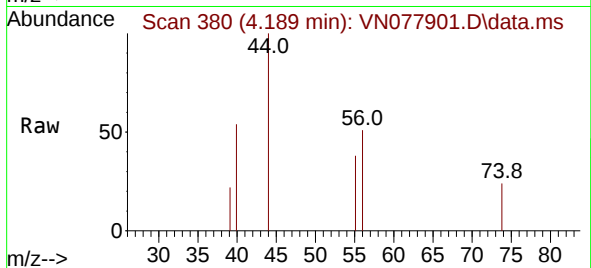




#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

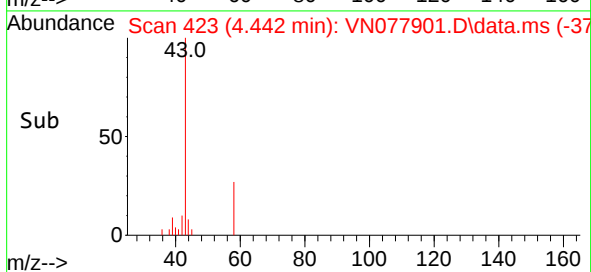
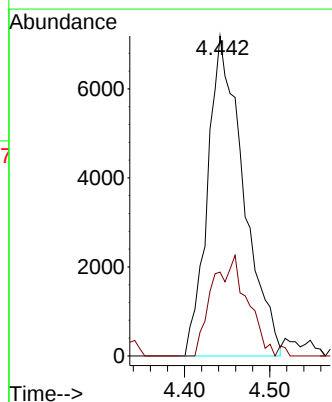
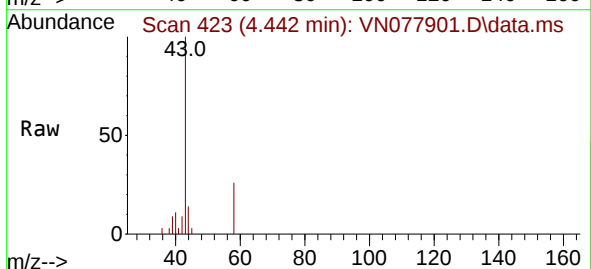
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-363-365

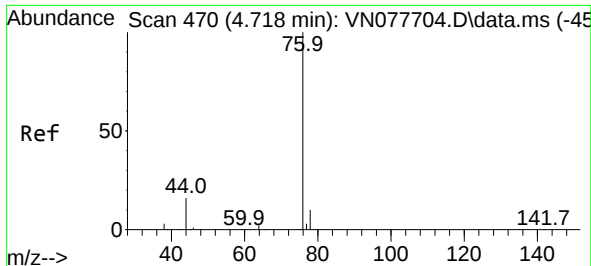
Tgt Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 96.6 54.5 81.7#



#16
Acetone
Concen: 10.185 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

Tgt Ion: 43 Resp: 21043
Ion Ratio Lower Upper
43 100
58 26.2 28.0 42.0#





#17

Carbon Disulfide

Concen: 0.655 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN077901.D

Acq: 25 May 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

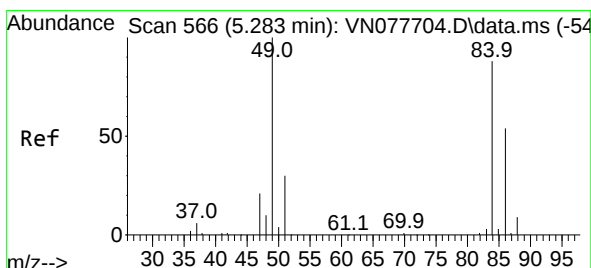
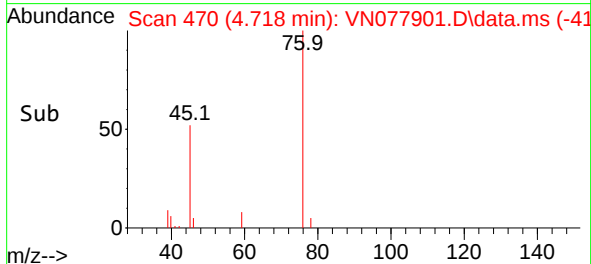
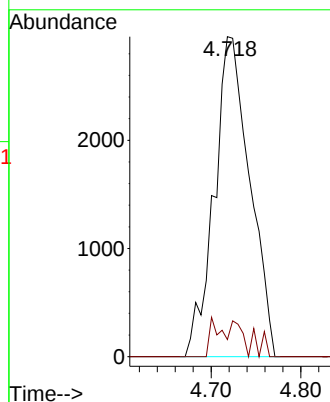
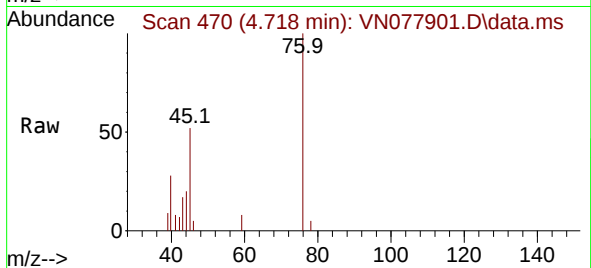
BP-VPB-RW11-GW-363-365

Tgt Ion: 76 Resp: 8145

Ion Ratio Lower Upper

76 100

78 5.3 7.4 11.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.283 min Scan# 566

Delta R.T. -0.000 min

Lab File: VN077901.D

Acq: 25 May 2023 14:51

Tgt Ion: 84 Resp: 9267

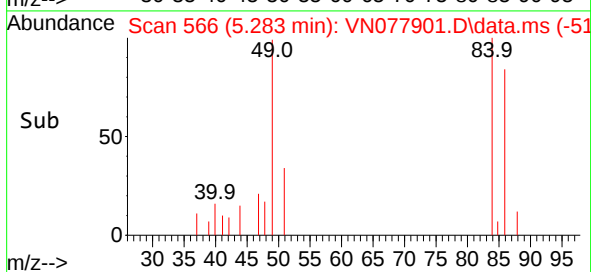
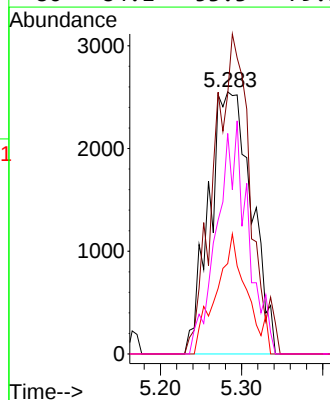
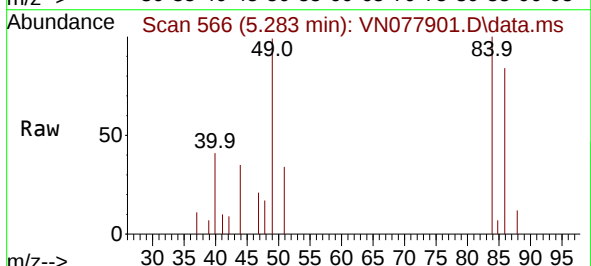
Ion Ratio Lower Upper

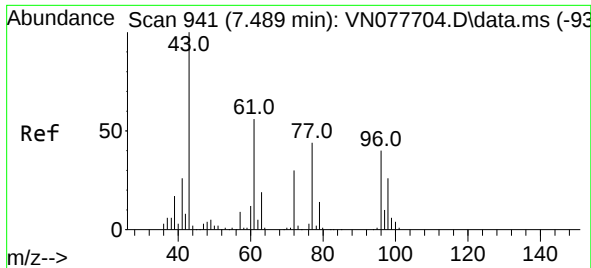
84 100

49 99.1 79.7 119.5

51 34.5 25.2 37.8

86 84.1 53.3 79.9#

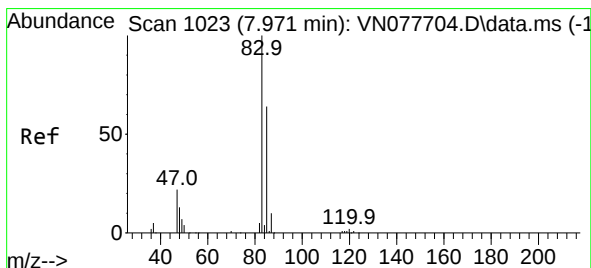
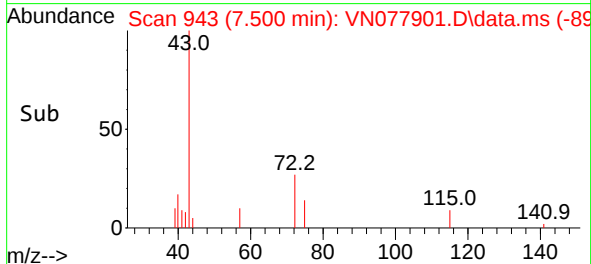
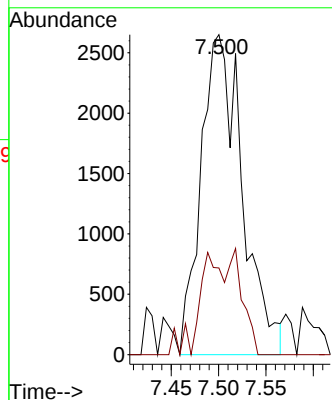
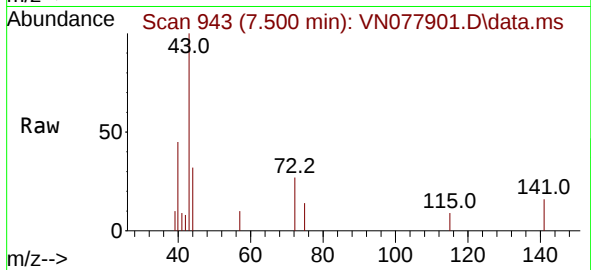




#25
2-Butanone
Concen: 2.486 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

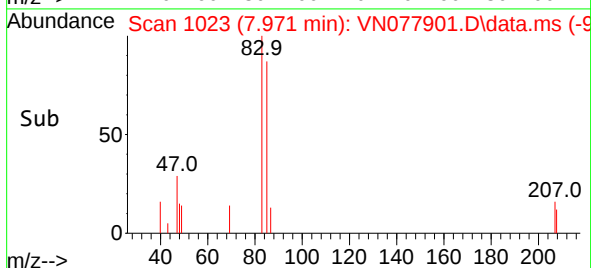
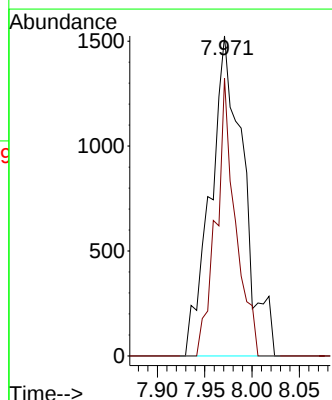
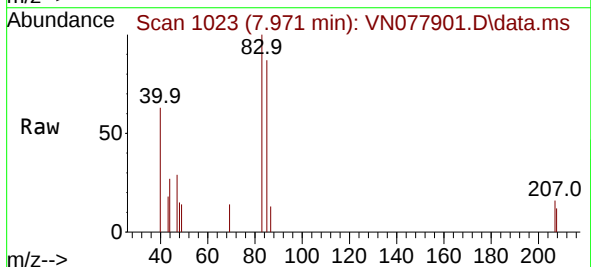
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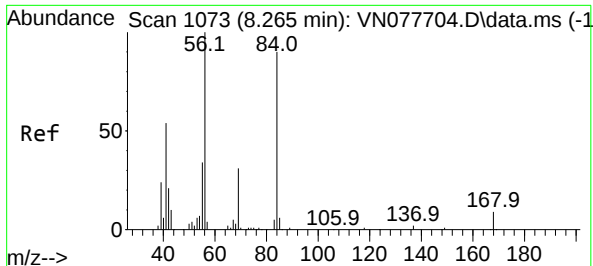
Tgt Ion: 43 Resp: 8034
Ion Ratio Lower Upper
43 100
72 27.1 30.2 45.2#



#30
Chloroform
Concen: 0.346 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

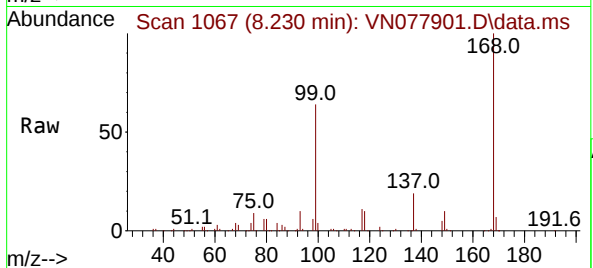
Tgt Ion: 83 Resp: 3711
Ion Ratio Lower Upper
83 100
85 86.8 55.4 83.0#



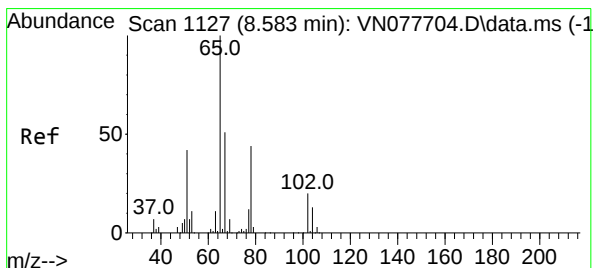
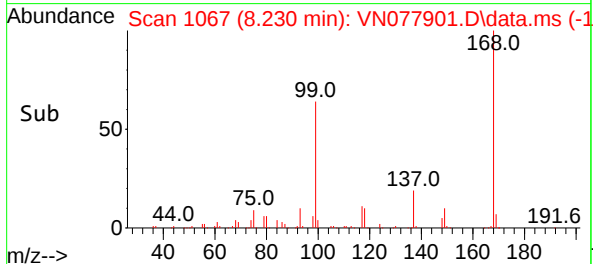
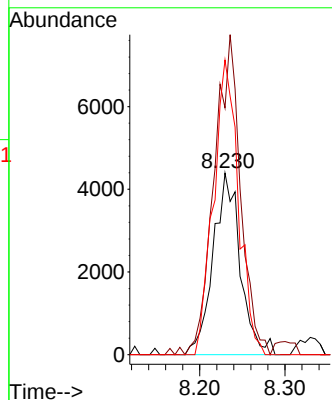


#31
Cyclohexane
Concen: 1.087 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

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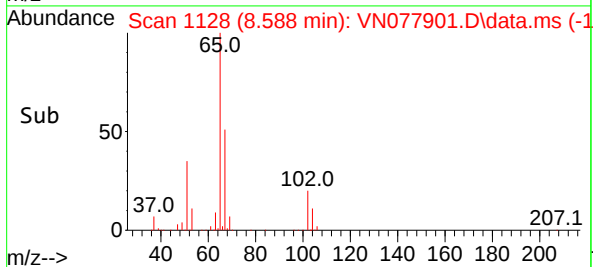
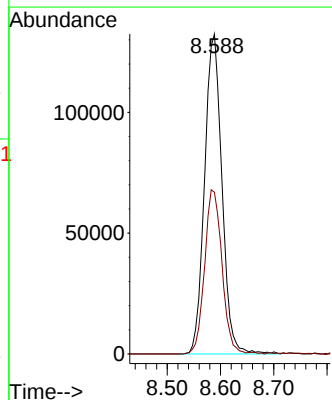
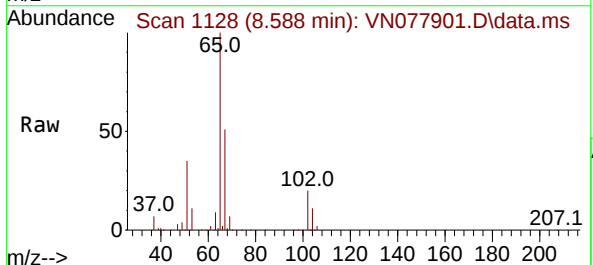


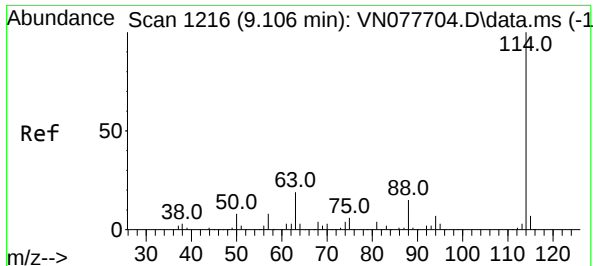
Tgt Ion: 56 Resp: 9704
Ion Ratio Lower Upper
56 100
69 131.9 26.8 40.2#
84 162.3 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 45.725 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

Tgt Ion: 65 Resp: 300292
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077901.D

Acq: 25 May 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-363-365

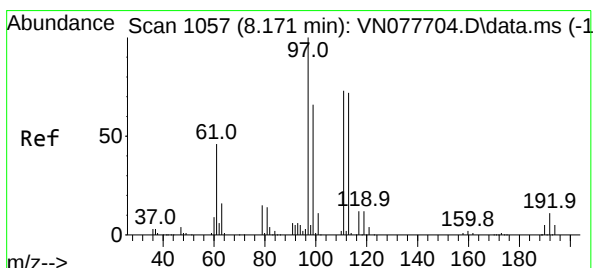
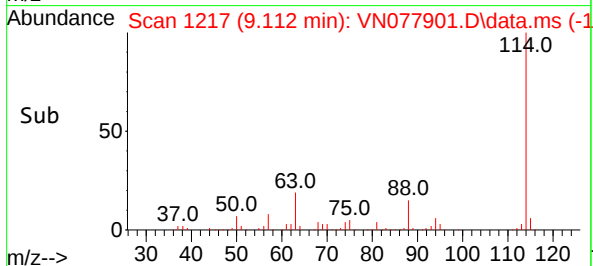
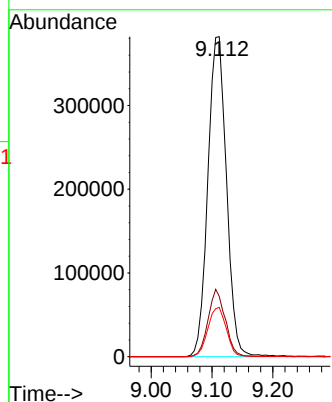
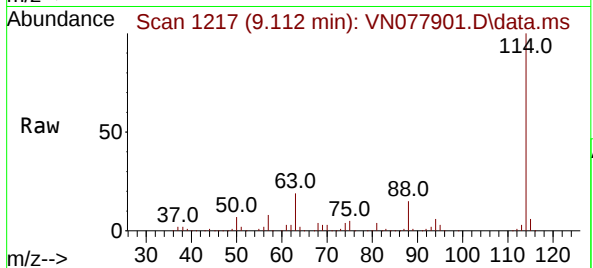
Tgt Ion:114 Resp: 811508

Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.593 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077901.D

Acq: 25 May 2023 14:51

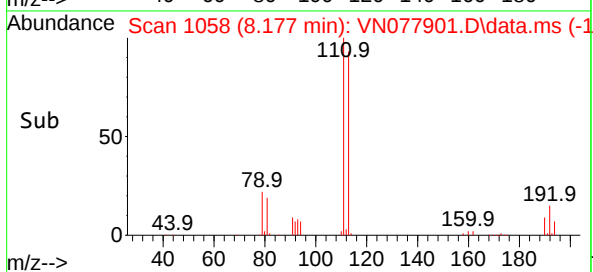
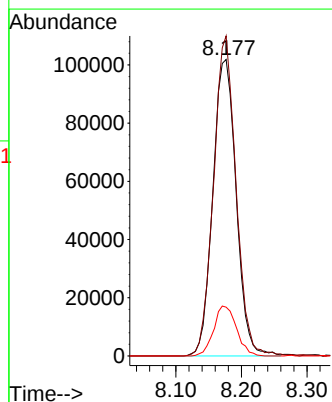
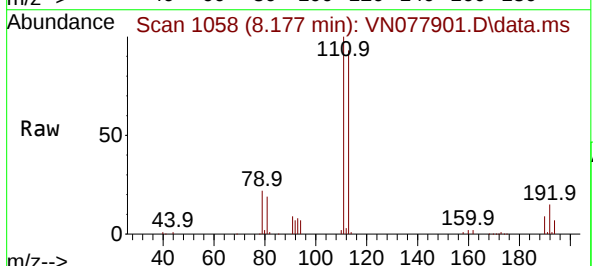
Tgt Ion:113 Resp: 251849

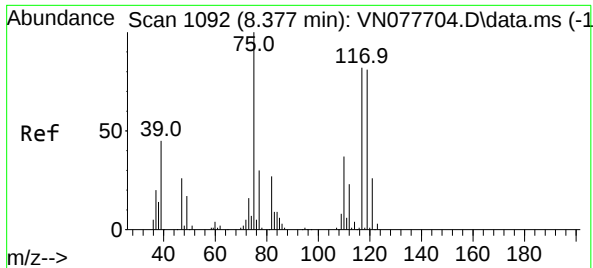
Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 16.4 12.7 19.1

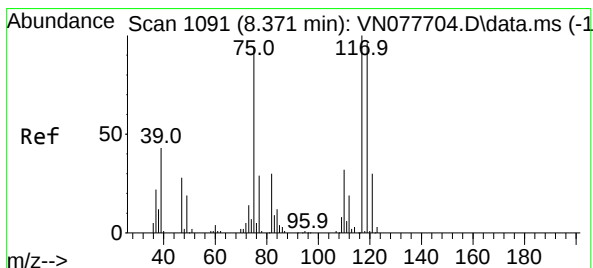
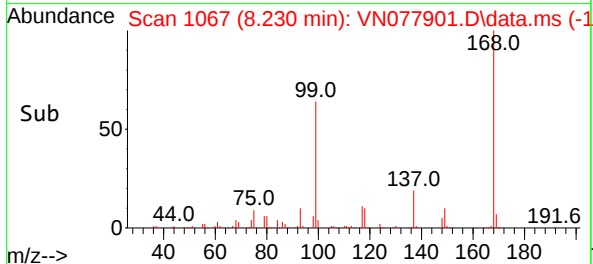
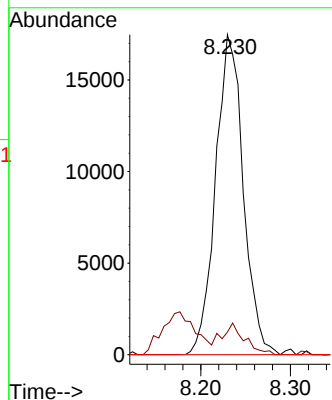
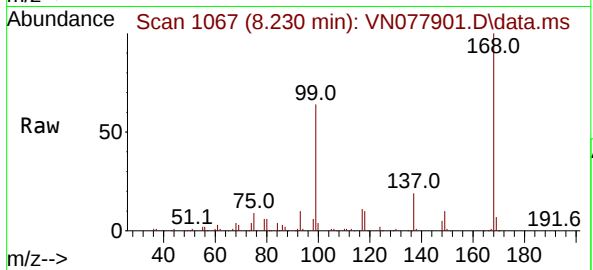




#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

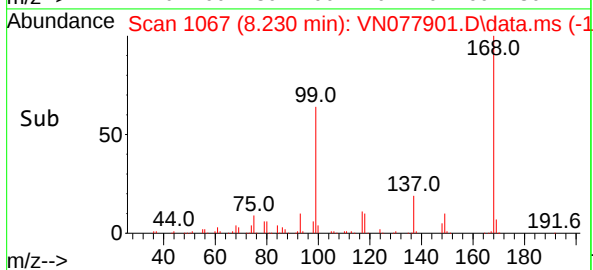
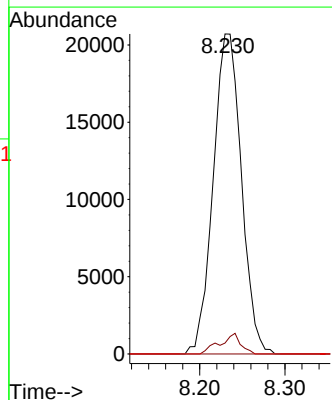
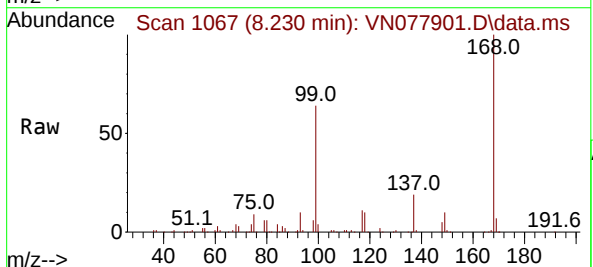
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-363-365

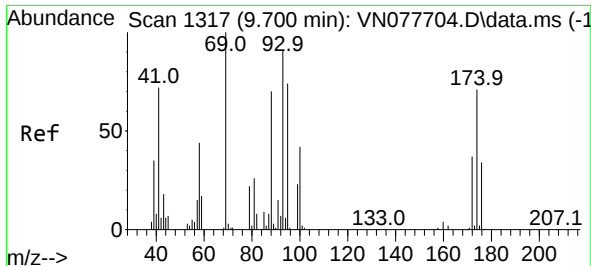
Tgt Ion: 75 Resp: 37409
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.095 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

Tgt Ion: 117 Resp: 47637
Ion Ratio Lower Upper
117 100
119 3.4 77.3 115.9#
121 0.0 23.3 34.9#





#49

1,4-Dioxane

Concen: 0.535 ug/l

RT: 9.477 min Scan# 1

Delta R.T. -0.217 min

Lab File: VN077901.D

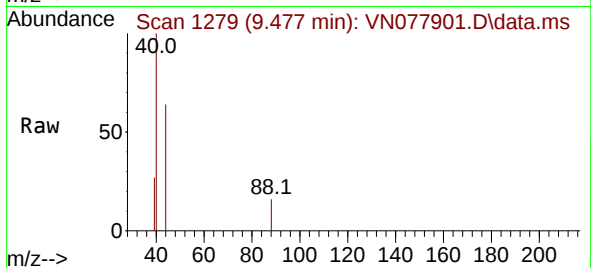
Acq: 25 May 2023 14:51

Instrument :

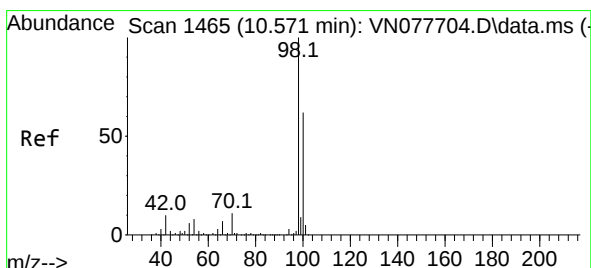
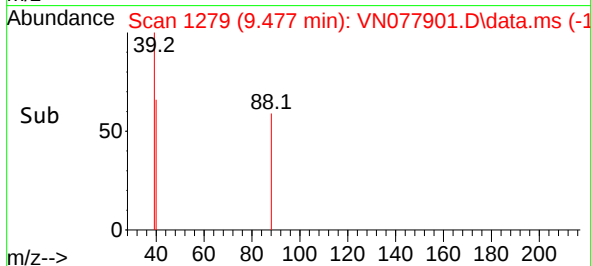
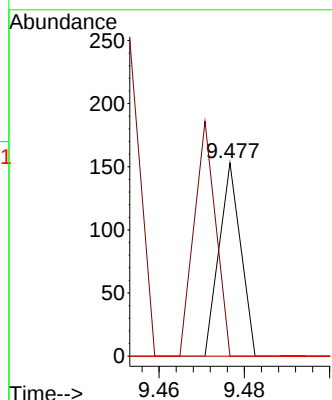
MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-363-365



Tgt Ion:	88	Resp:	54
Ion	Ratio	Lower	Upper
88	100		
43	0.0	17.0	25.6#
58	0.0	47.0	70.4#



#50

Toluene-d8

Concen: 48.866 ug/l

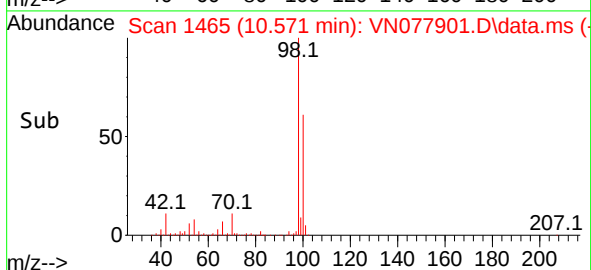
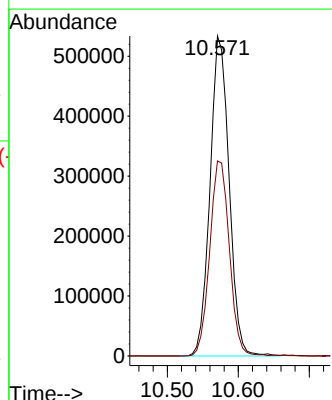
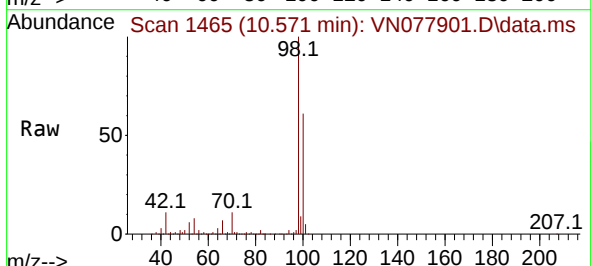
RT: 10.571 min Scan# 1465

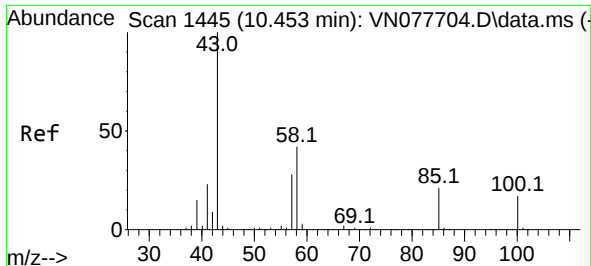
Delta R.T. -0.000 min

Lab File: VN077901.D

Acq: 25 May 2023 14:51

Tgt Ion:	98	Resp:	995313
Ion	Ratio	Lower	Upper
98	100		
100	62.8	52.0	78.0

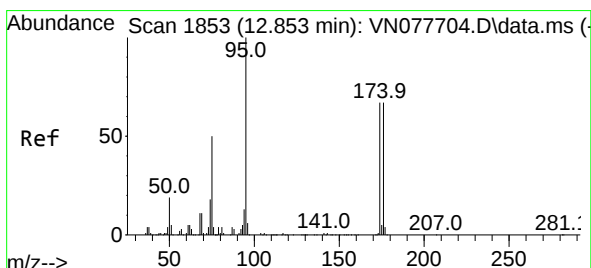
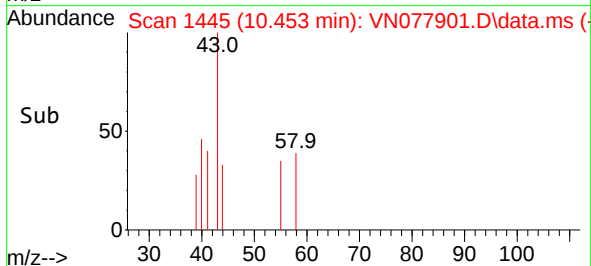
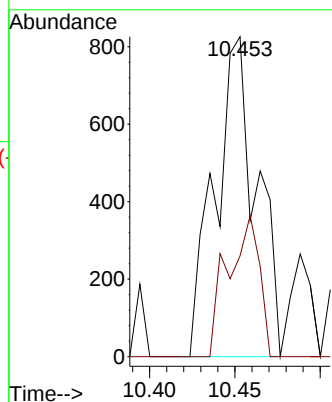
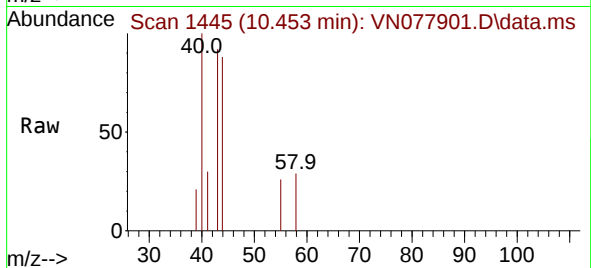




#51
4-Methyl-2-Pentanone
Concen: 0.209 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

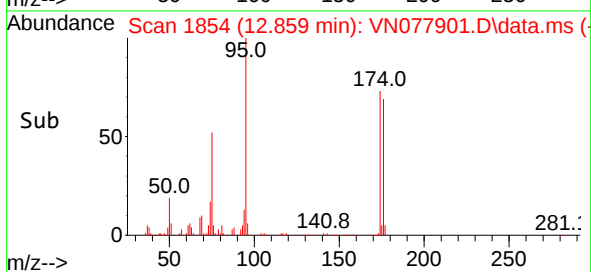
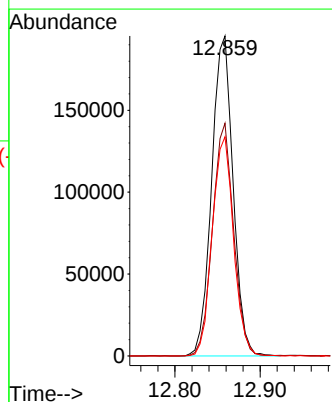
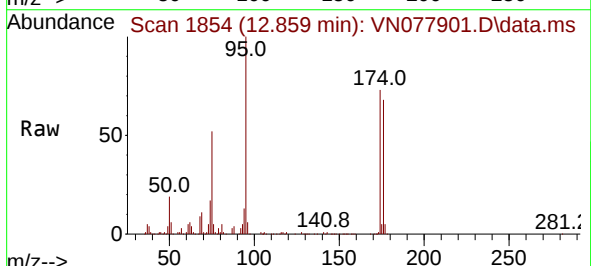
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-363-365

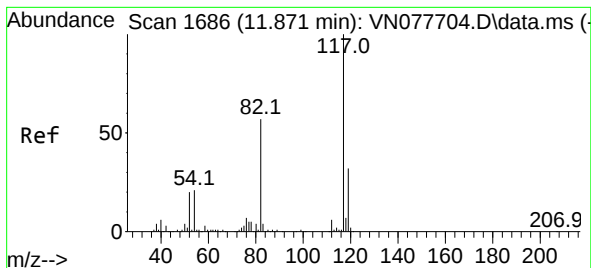
Tgt Ion: 43 Resp: 1400
Ion Ratio Lower Upper
43 100
58 33.4 36.6 54.8#



#62
4-Bromofluorobenzene
Concen: 47.361 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

Tgt Ion: 95 Resp: 340700
Ion Ratio Lower Upper
95 100
174 72.0 0.0 143.8
176 68.2 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN077901.D

Acq: 25 May 2023 14:51

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW11-GW-363-365

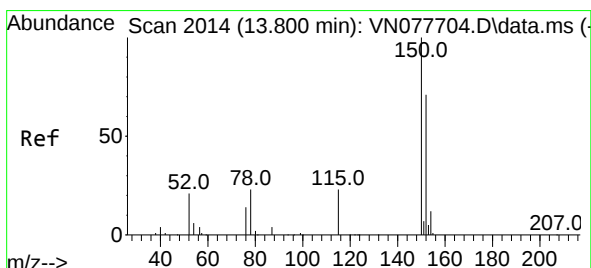
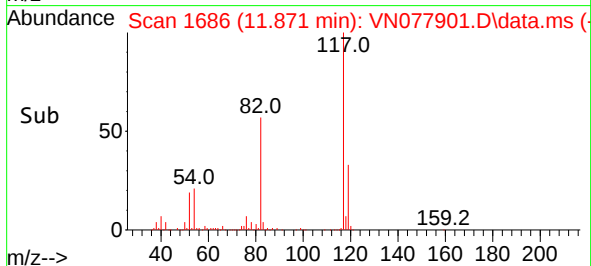
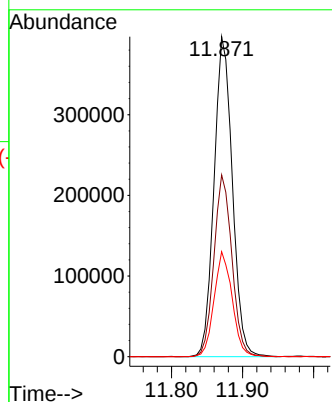
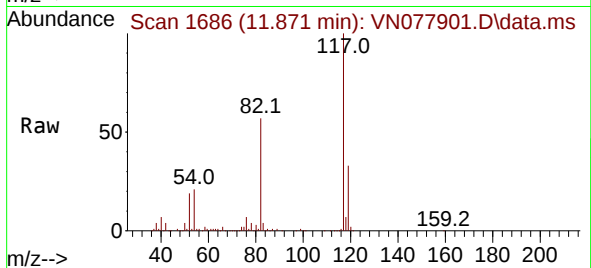
Tgt Ion:117 Resp: 710388

Ion Ratio Lower Upper

117 100

82 56.8 44.0 66.0

119 32.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN077901.D

Acq: 25 May 2023 14:51

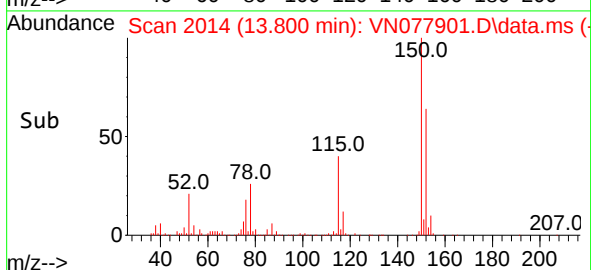
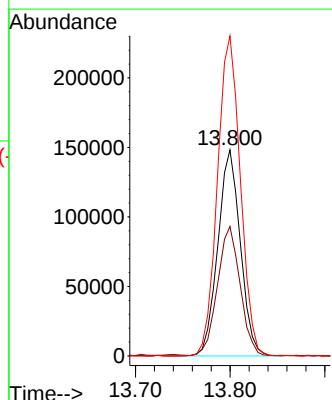
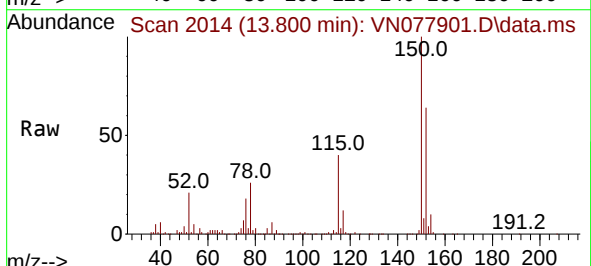
Tgt Ion:152 Resp: 244755

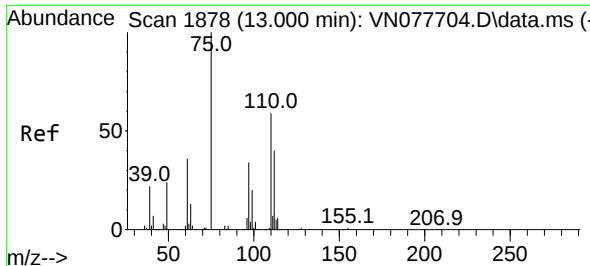
Ion Ratio Lower Upper

152 100

115 62.9 32.3 96.8

150 158.2 0.0 355.8

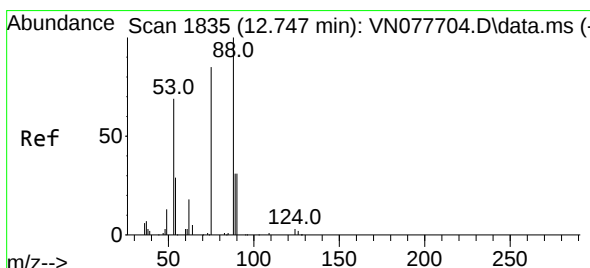
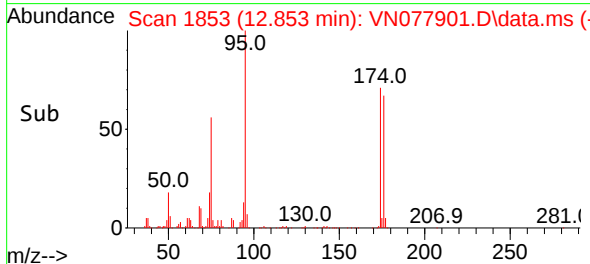
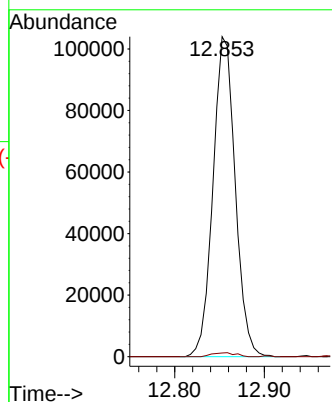
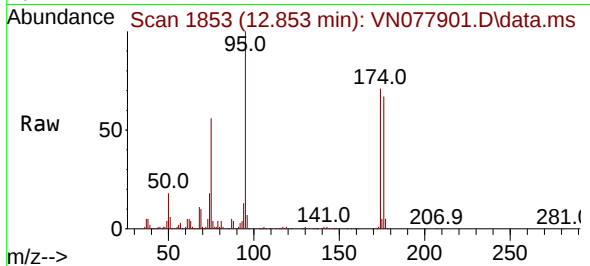




#76
1,2,3-Trichloropropane
Concen: 29.227 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

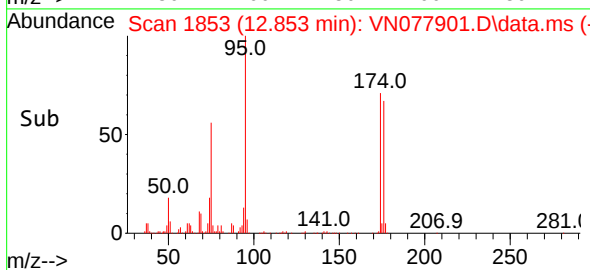
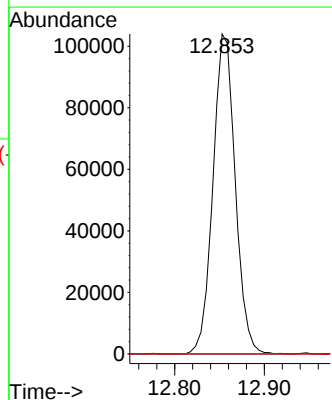
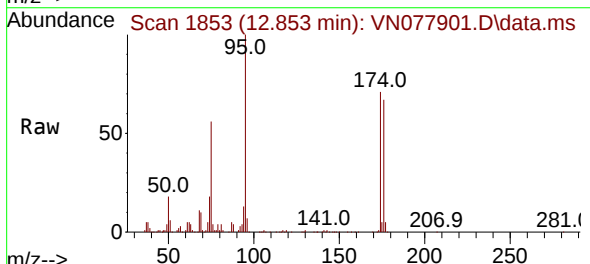
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-363-365

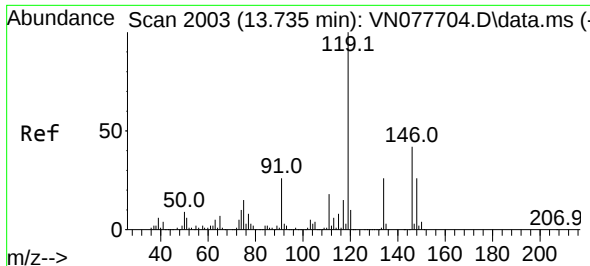
Tgt Ion: 75 Resp: 179146
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.424 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

Tgt Ion: 75 Resp: 179146
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

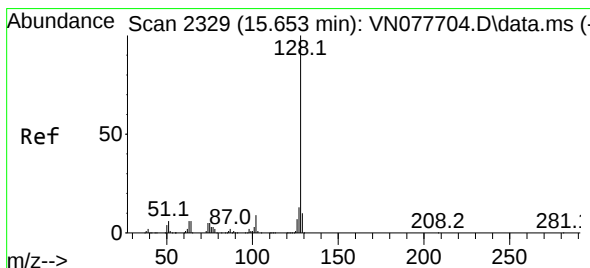
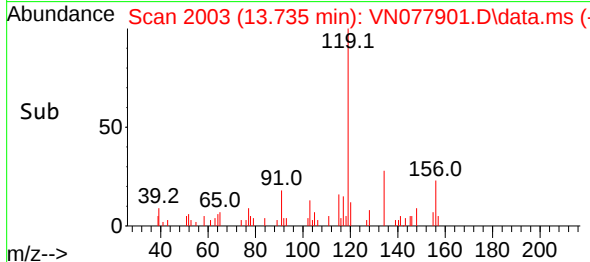
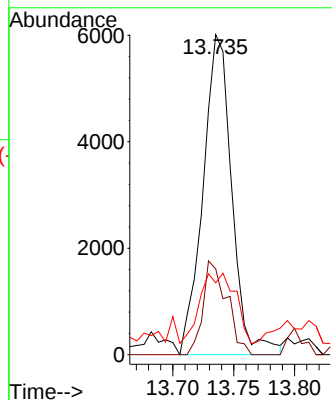
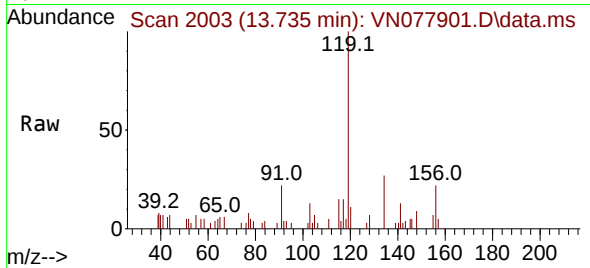




#86
p-Isopropyltoluene
Concen: 0.564 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW11-GW-363-365

Tgt Ion:	119	Resp:	9894
Ion Ratio	Lower	Upper	
119	100		
134	24.3	12.6	37.8
91	26.8	12.4	37.2



#95
Naphthalene
Concen: 0.824 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN077901.D
Acq: 25 May 2023 14:51

Tgt Ion:	128	Resp:	13790
Ion Ratio	Lower	Upper	
128	100		
127	17.0	10.0	15.0#
129	20.7	8.7	13.1#

