

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068517.D
 Acq On : 17 Sep 2021 14:03
 Operator : JC/MD
 Sample : M3781-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW180D-20210915

Quant Time: Sep 20 03:56:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

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

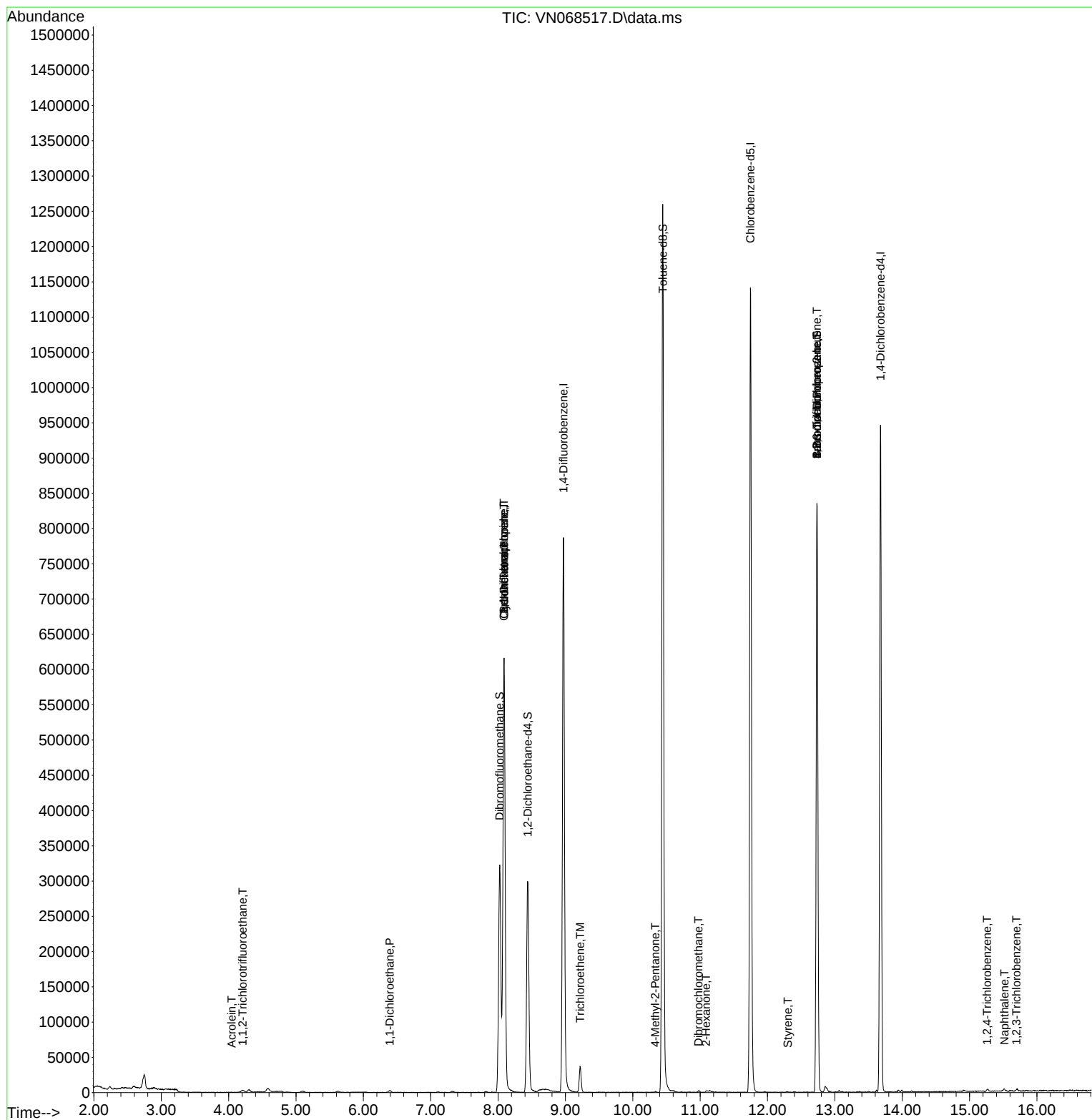
Internal Standards						
1) Pentafluorobenzene	8.088	168	514221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	764886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	779588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	295843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	257966	54.689	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.380%	
35) Dibromofluoromethane	8.024	113	236445	51.253	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.500%	
50) Toluene-d8	10.446	98	967643	51.061	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.733	95	284310	45.953	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 91.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1241	Below Cal	#	83
5) Bromomethane	2.877	94	1878	Below Cal	#	66
9) 1,1,2-Trichlorotrifluo...	4.207	101	943	0.214	ug/l #	68
13) Acrolein	4.044	56	88	0.251	ug/l	87
16) Acetone	4.304	43	7520	Below Cal	#	87
18) Methyl Acetate	4.862	43	514	Below Cal	#	45
20) Methylene Chloride	5.114	84	627	Below Cal	#	78
24) 1,1-Dichloroethane	6.393	63	3177	0.422	ug/l #	81
31) Cyclohexane	8.091	56	8907	1.246	ug/l #	43
36) 1,1-Dichloropropene	8.088	75	32970	5.170	ug/l #	48
38) Carbon Tetrachloride	8.086	117	48225	6.313	ug/l #	16
44) Trichloroethene	9.220	130	14537	2.432	ug/l	100
51) 4-Methyl-2-Pentanone	10.333	43	1160	0.237	ug/l #	33
59) 2-Hexanone	11.087	43	1718	0.525	ug/l	66
60) Dibromochloromethane	10.974	129	319	1.848	ug/l #	11
70) Styrene	12.302	104	324	1.771	ug/l #	39
71) Bromoform	12.733	173	1618	2.785	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	138987	33.808	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	138987	104.117	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.263	180	763	3.089	ug/l #	13
95) Naphthalene	15.517	128	4442	3.849	ug/l	95
96) 1,2,3-Trichlorobenzene	15.697	180	994	3.153	ug/l	63

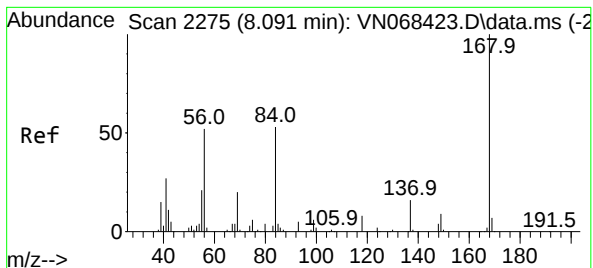
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.003 min

Lab File: VN068517.D

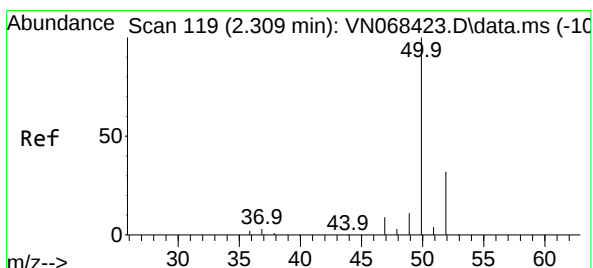
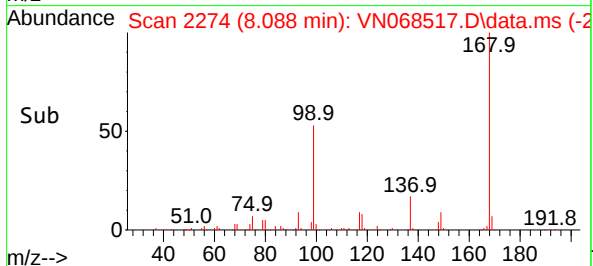
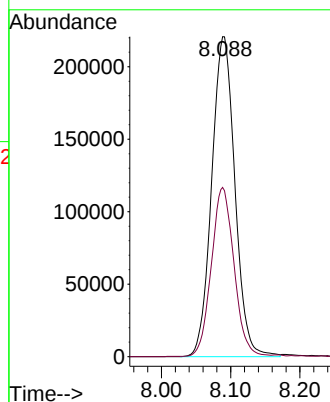
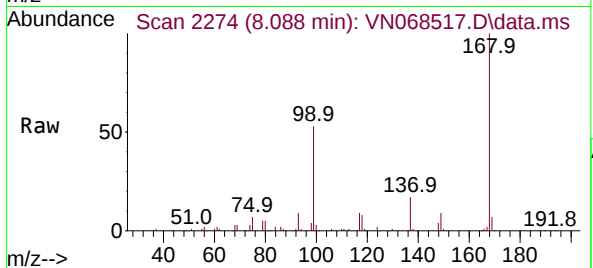
Acq: 17 Sep 2021 14:03

Tgt Ion:168 Resp: 514221

Ion Ratio Lower Upper

168 100

99 52.8 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.303 min Scan# 117

Delta R.T. -0.006 min

Lab File: VN068517.D

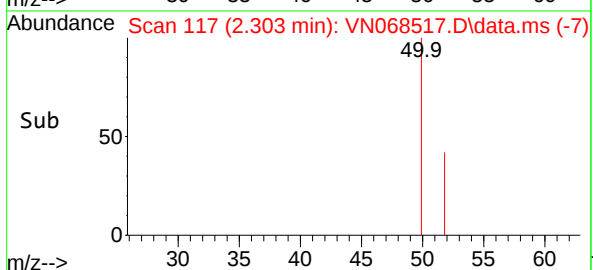
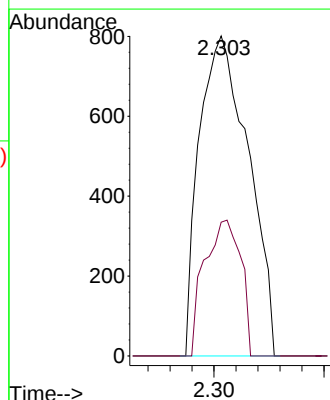
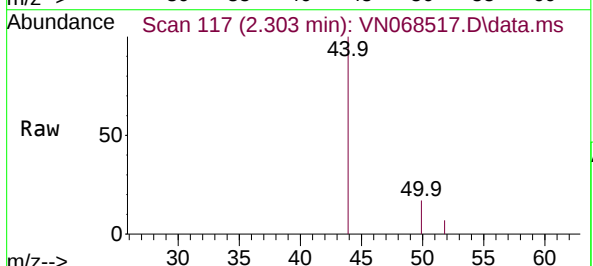
Acq: 17 Sep 2021 14:03

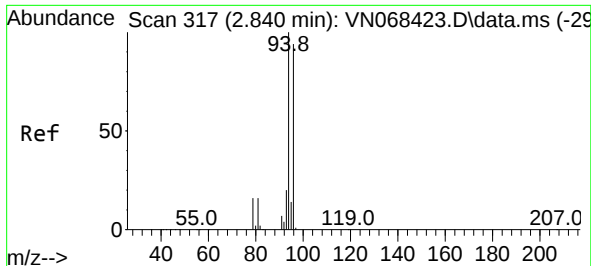
Tgt Ion: 50 Resp: 1241

Ion Ratio Lower Upper

50 100

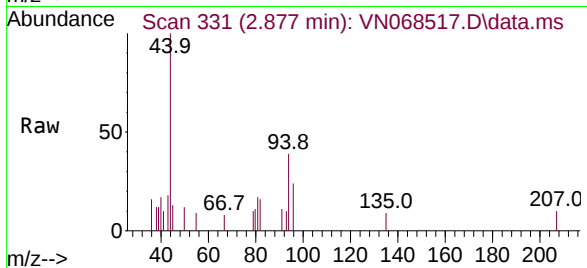
52 41.8 25.8 38.6#



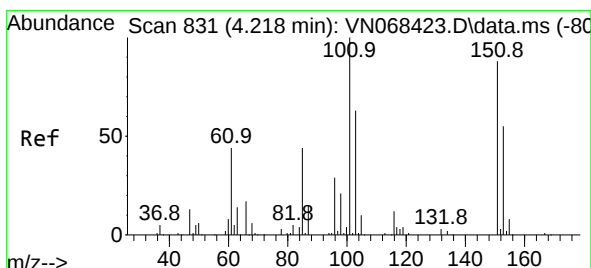
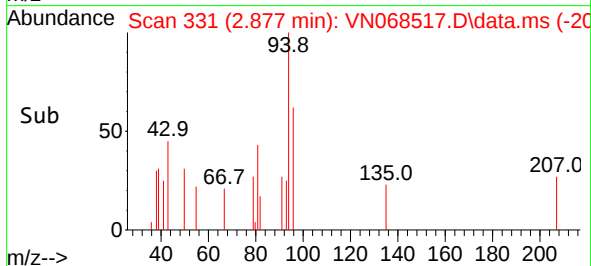
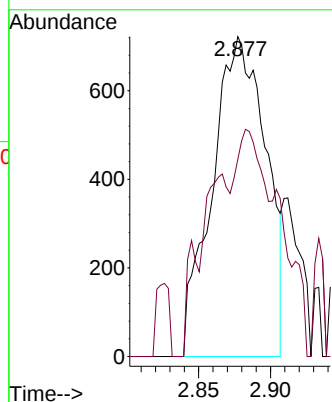


#5
Bromomethane
Concen: Below Cal
RT: 2.877 min Scan# 331
Delta R.T. 0.037 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

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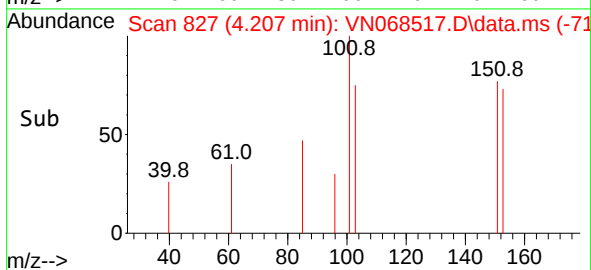
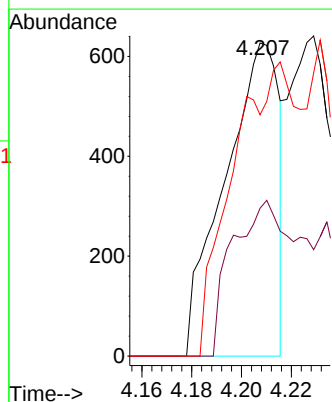
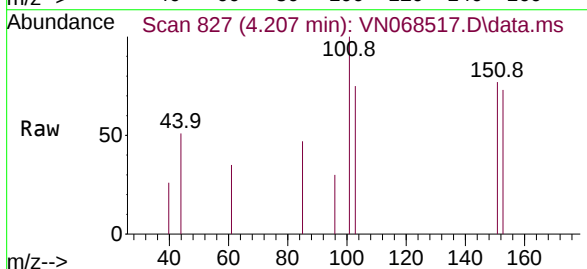


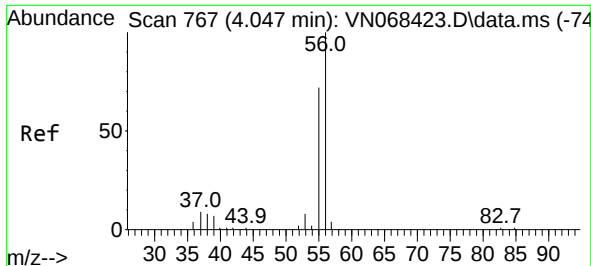
Tgt Ion: 94 Resp: 1878
Ion Ratio Lower Upper
94 100
96 61.6 75.4 113.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.214 ug/l
RT: 4.207 min Scan# 827
Delta R.T. -0.011 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion:101 Resp: 943
Ion Ratio Lower Upper
101 100
85 62.5 35.7 53.5#
151 56.6 71.6 107.4#

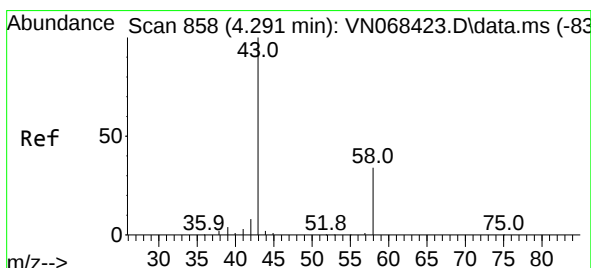
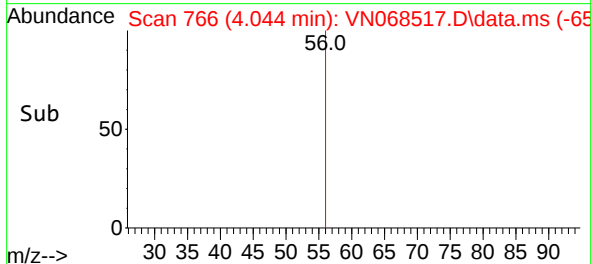
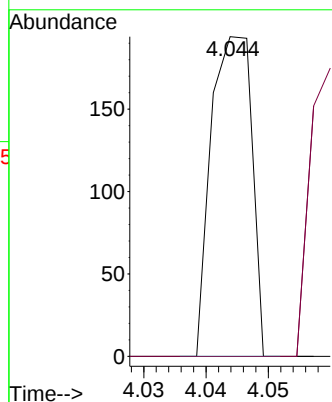
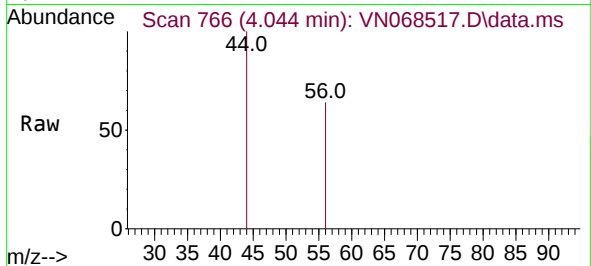




#13
Acrolein
Concen: 0.251 ug/l
RT: 4.044 min Scan# 766
Delta R.T. -0.003 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

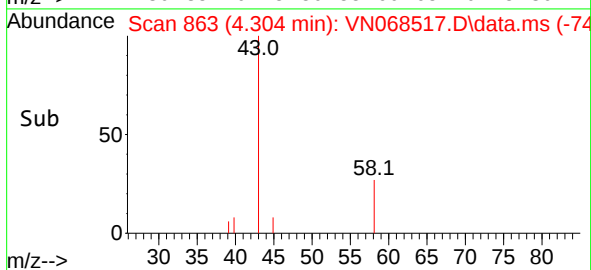
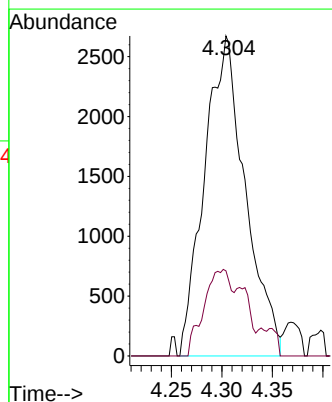
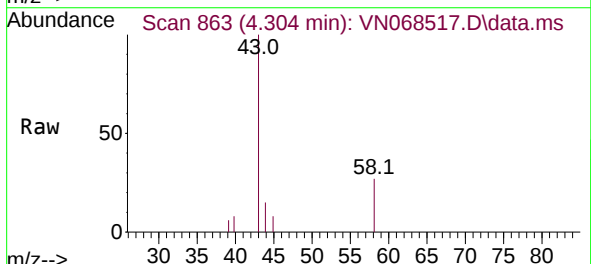
Instrument :
MSVOA_N
ClientSampleId :
MW180D-20210915

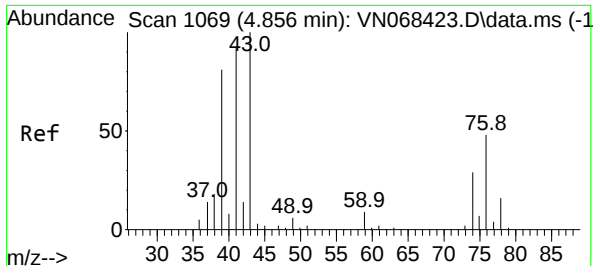
Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 60.2 56.8 85.2



#16
Acetone
Concen: Below Cal
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion: 43 Resp: 7520
Ion Ratio Lower Upper
43 100
58 26.6 27.0 40.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.862 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN068517.D

Acq: 17 Sep 2021 14:03

Tgt Ion: 43 Resp: 514

Ion Ratio Lower Upper

43 100

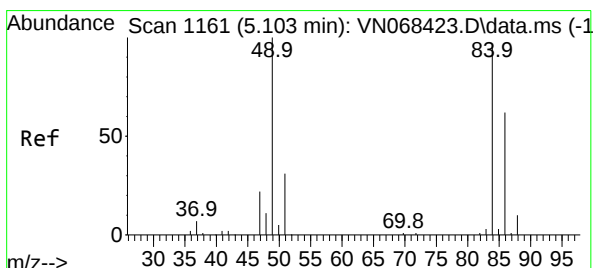
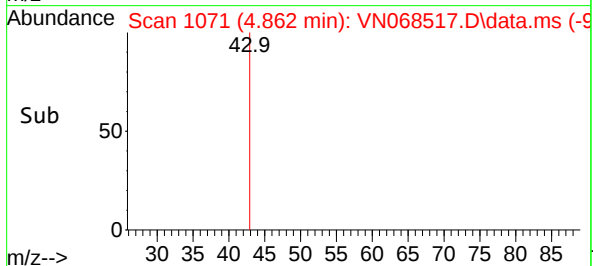
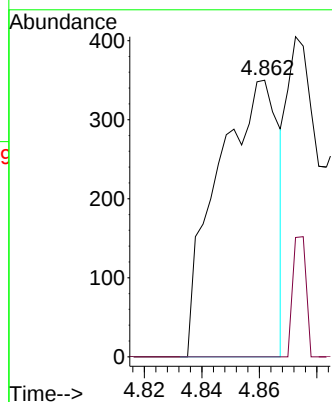
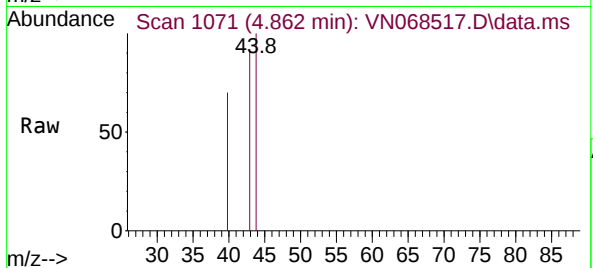
74 0.0 23.5 35.3#

Instrument :

MSVOA_N

ClientSampleId :

MW180D-20210915



#20

Methylene Chloride

Concen: Below Cal

RT: 5.114 min Scan# 1165

Delta R.T. 0.011 min

Lab File: VN068517.D

Acq: 17 Sep 2021 14:03

Tgt Ion: 84 Resp: 627

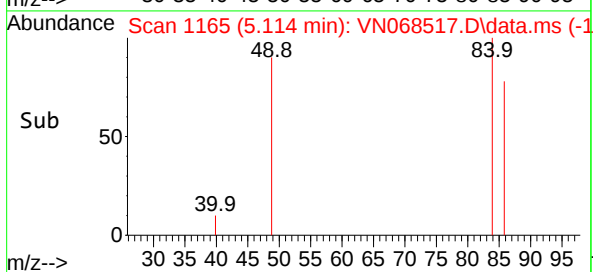
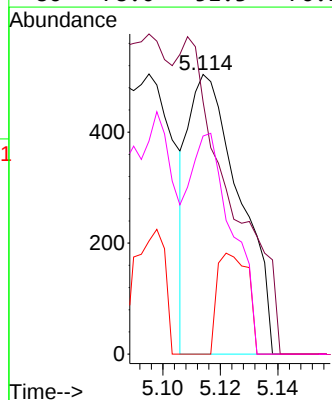
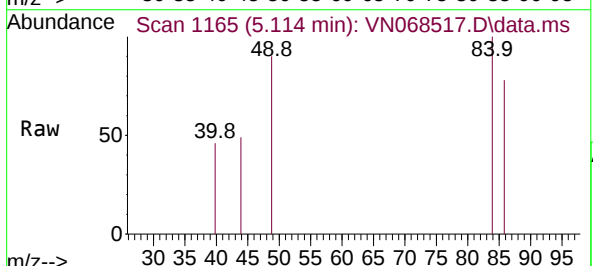
Ion Ratio Lower Upper

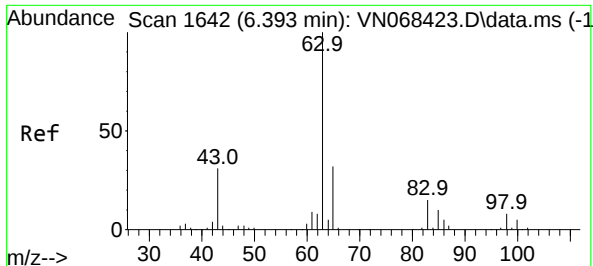
84 100

49 90.3 83.0 124.6

51 0.0 25.4 38.0#

86 78.0 51.3 76.9#





#24

1,1-Dichloroethane

Concen: 0.422 ug/l

RT: 6.393 min Scan# 1642

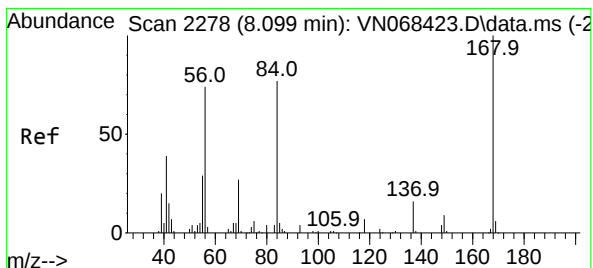
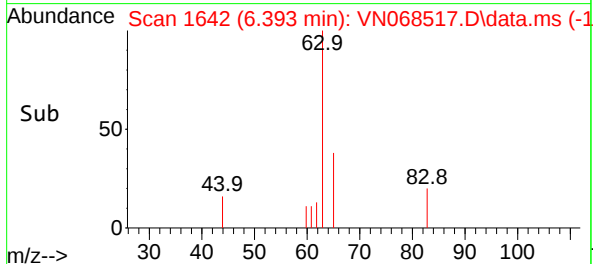
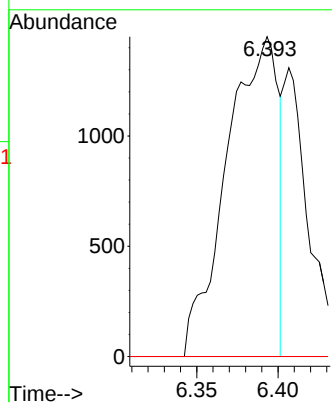
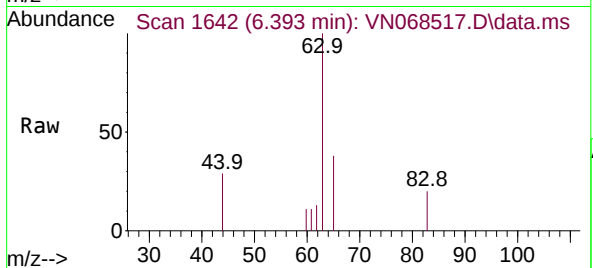
Delta R.T. 0.000 min

Lab File: VN068517.D

Acq: 17 Sep 2021 14:03

Tgt Ion:	63	Resp:	3177
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.9	11.5#
100	0.0	2.4	7.2#

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#31

Cyclohexane

Concen: 1.246 ug/l

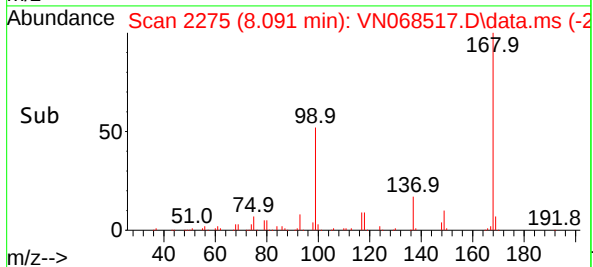
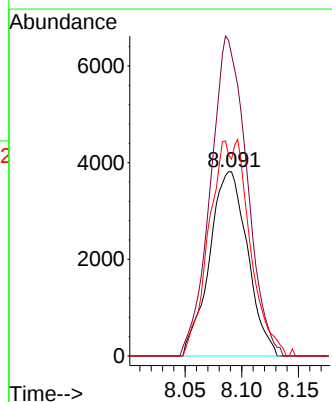
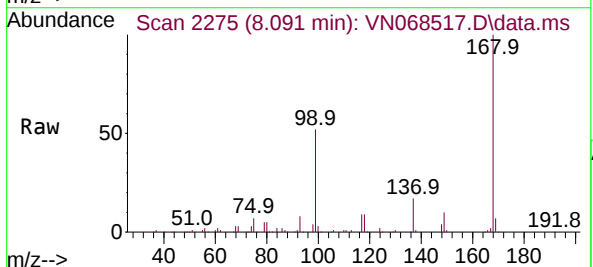
RT: 8.091 min Scan# 2275

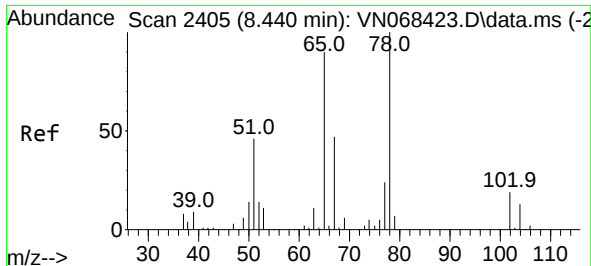
Delta R.T. -0.008 min

Lab File: VN068517.D

Acq: 17 Sep 2021 14:03

Tgt Ion:	56	Resp:	8907
Ion	Ratio	Lower	Upper
56	100		
69	163.4	29.4	44.0#
84	106.8	83.6	125.4



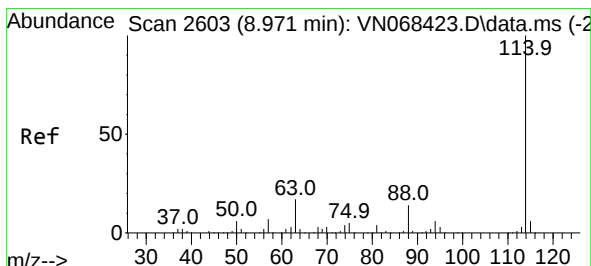
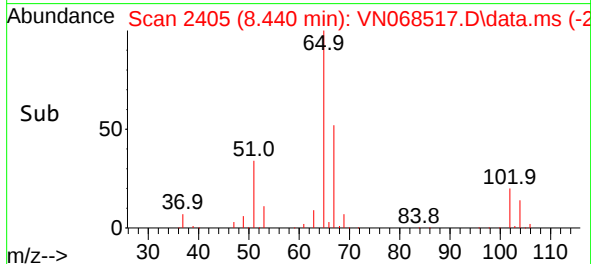
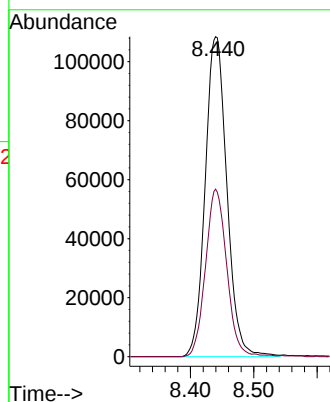
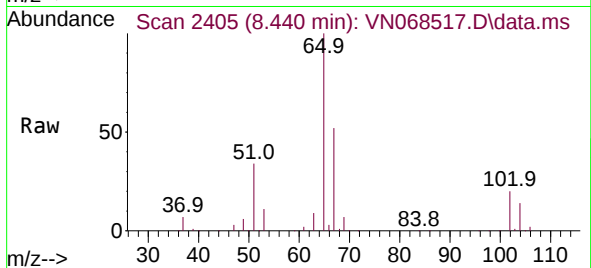


#33

1,2-Dichloroethane-d4
Concen: 54.689 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Instrument :
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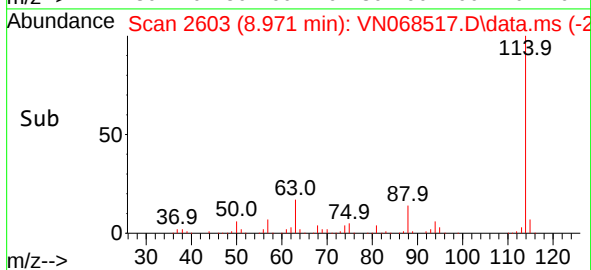
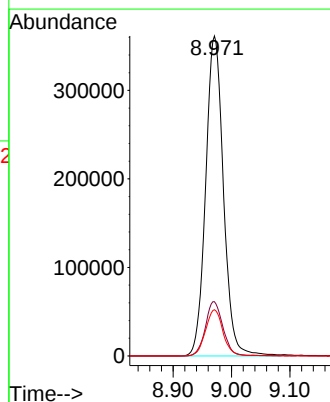
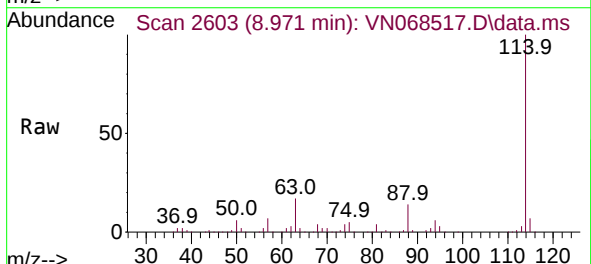
Tgt Ion: 65 Resp: 257966
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0

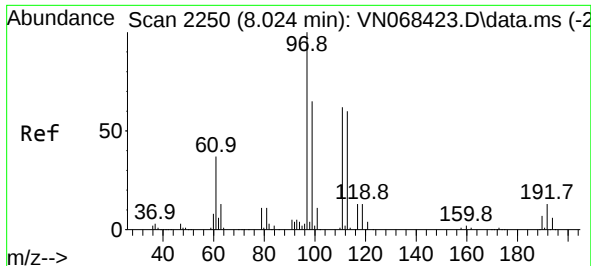


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion: 114 Resp: 764886
Ion Ratio Lower Upper
114 100
63 17.0 0.0 33.2
88 14.5 0.0 28.4

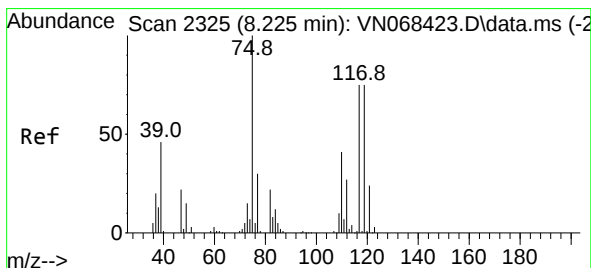
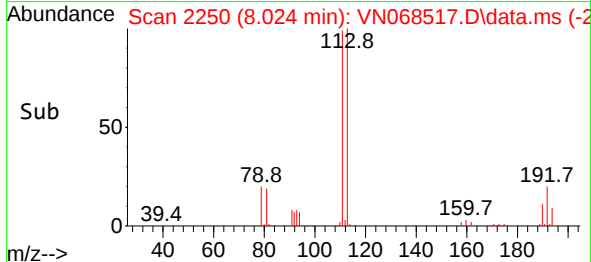
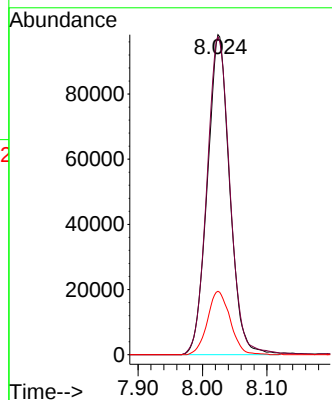
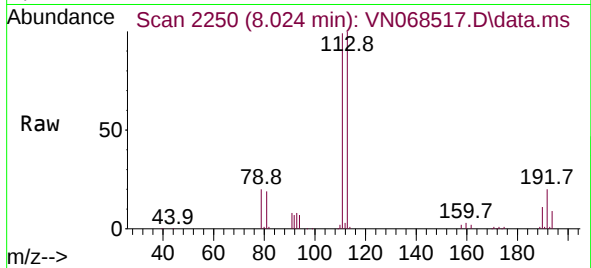




#35
Dibromofluoromethane
Concen: 51.253 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

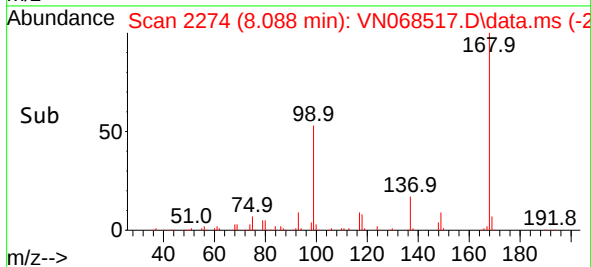
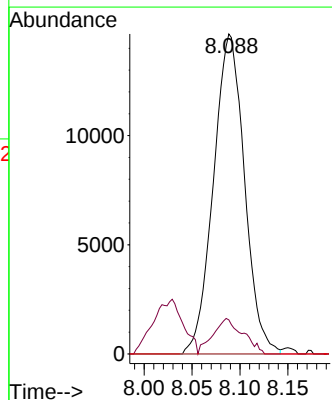
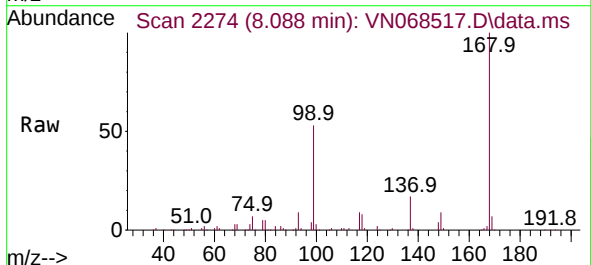
Instrument :
MSVOA_N
ClientSampleId :
MW180D-20210915

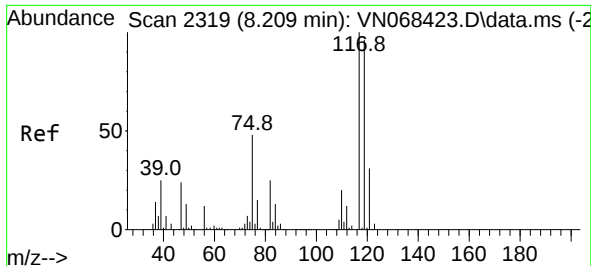
Tgt Ion:113 Resp: 236445
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 20.2 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.170 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion: 75 Resp: 32970
Ion Ratio Lower Upper
75 100
110 10.7 20.8 62.5#
77 0.0 25.0 37.6#

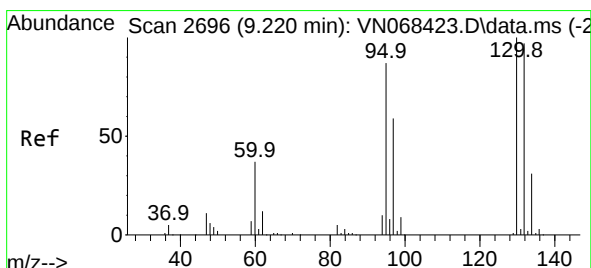
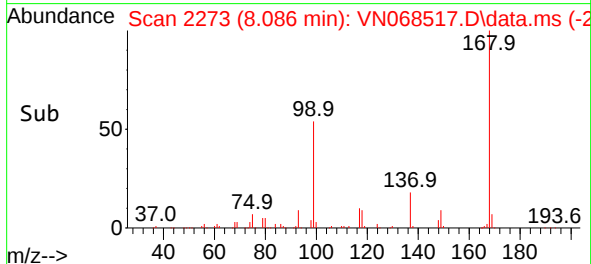
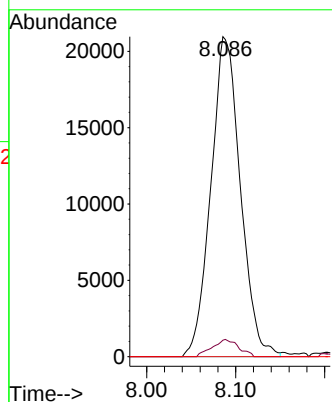
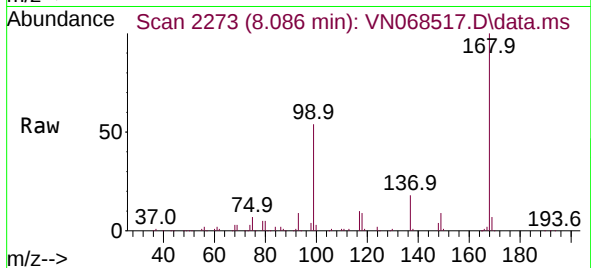




#38
Carbon Tetrachloride
Concen: 6.313 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

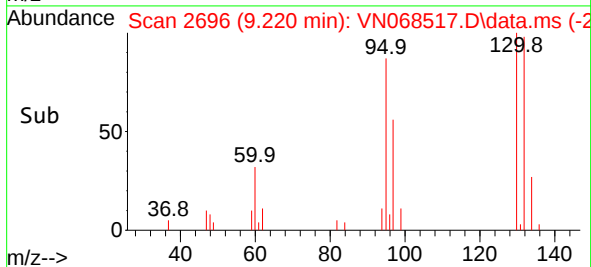
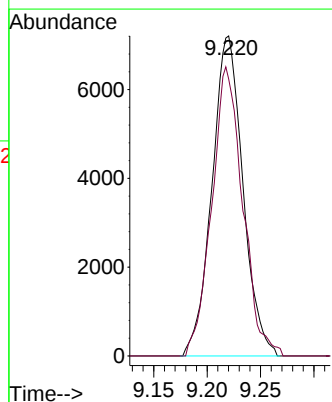
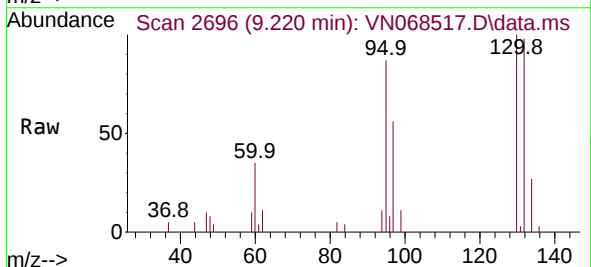
Instrument :
MSVOA_N
ClientSampleId :
MW180D-20210915

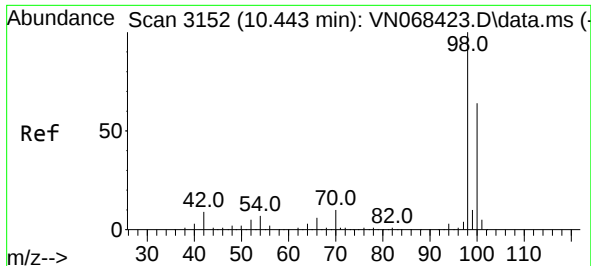
Tgt Ion:117 Resp: 48225
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 2.432 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion:130 Resp: 14537
Ion Ratio Lower Upper
130 100
95 86.6 0.0 173.8

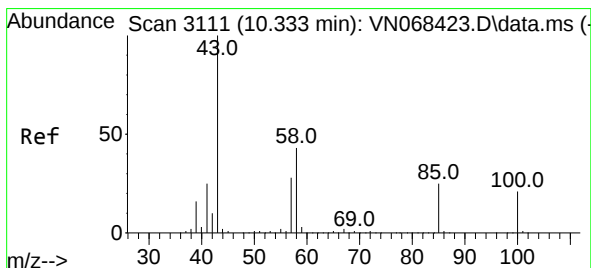
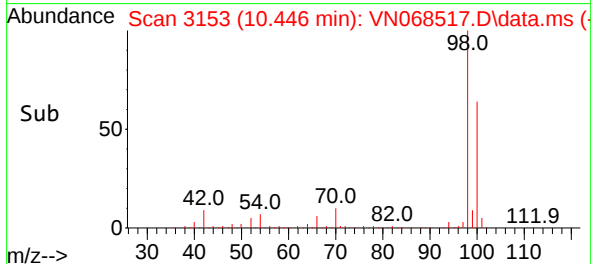
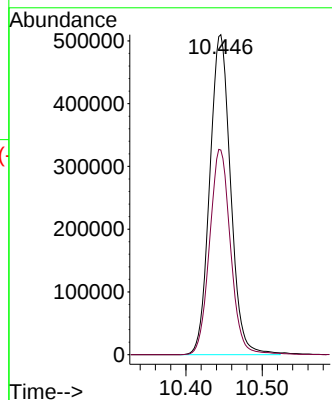
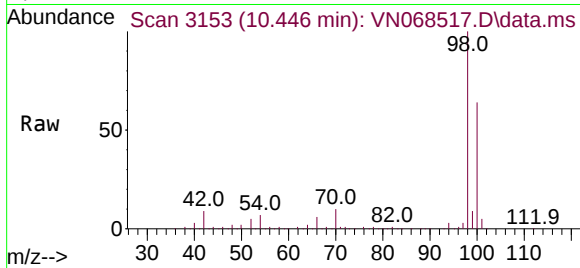




#50
Toluene-d8
Concen: 51.061 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

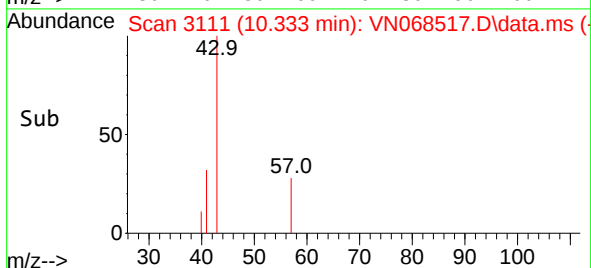
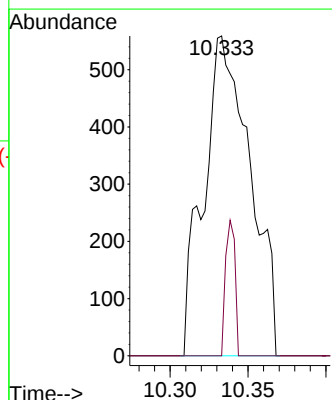
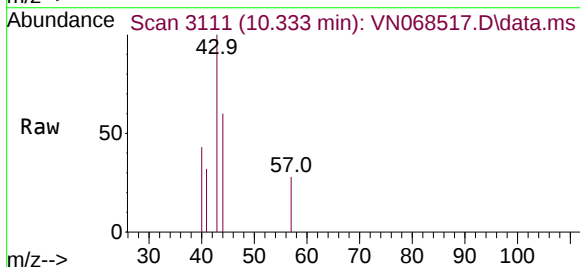
Instrument :
MSVOA_N
ClientSampleId :
MW180D-20210915

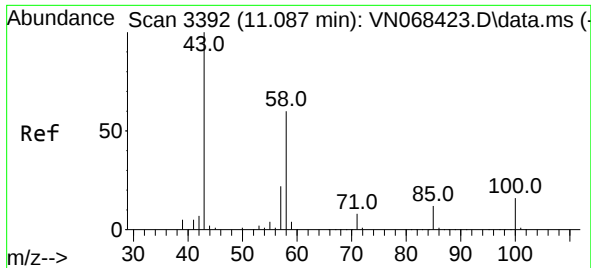
Tgt Ion: 98 Resp: 967643
Ion Ratio Lower Upper
98 100
100 64.7 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.237 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
58 0.0 34.3 51.5#

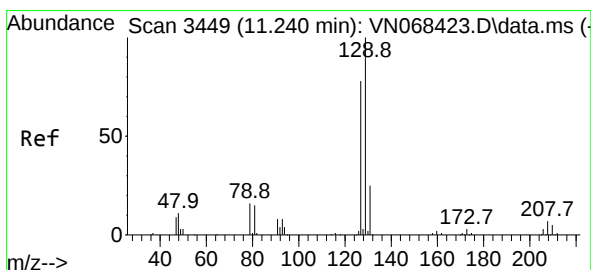
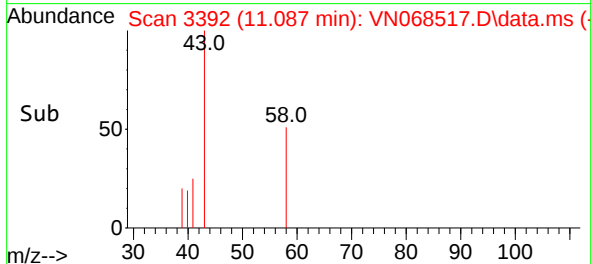
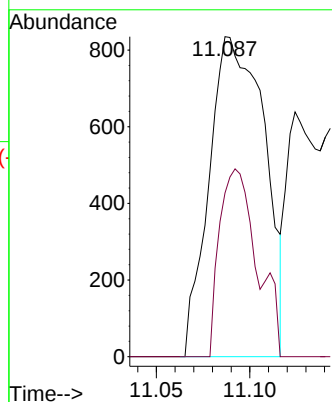
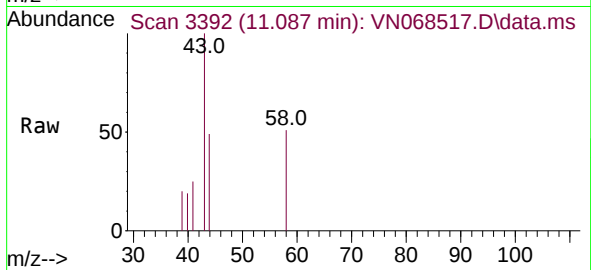




#59
2-Hexanone
Concen: 0.525 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

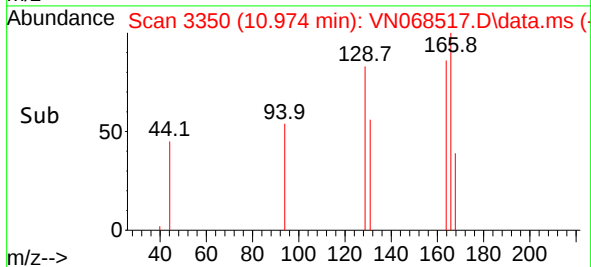
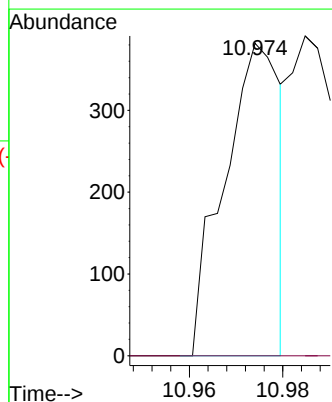
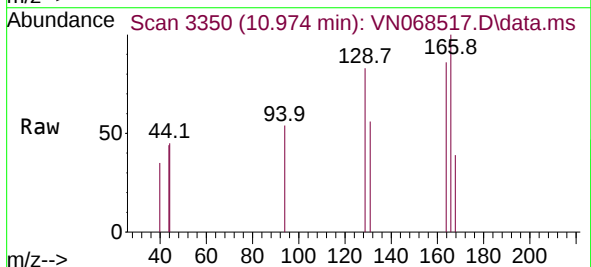
Instrument :
MSVOA_N
ClientSampleId :
MW180D-20210915

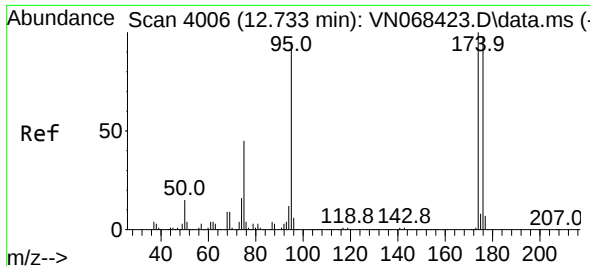
Tgt Ion: 43 Resp: 1718
Ion Ratio Lower Upper
43 100
58 34.1 30.0 90.1



#60
Dibromochloromethane
Concen: 1.848 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.266 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion: 129 Resp: 319
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

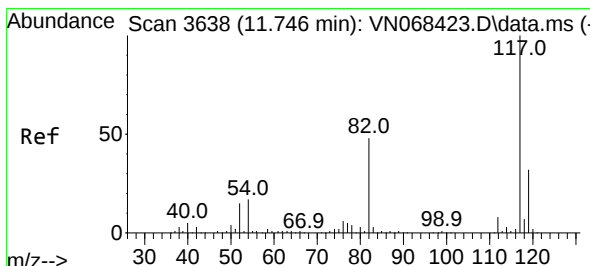
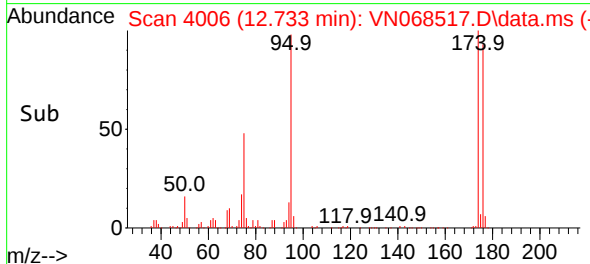
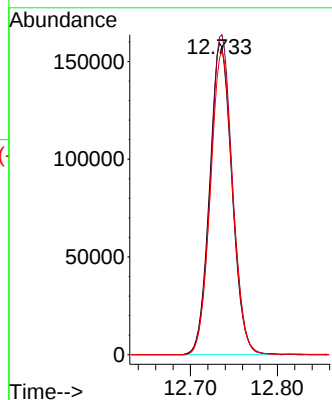
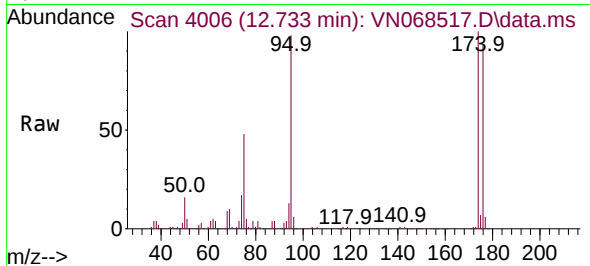




#62
4-Bromofluorobenzene
Concen: 45.953 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

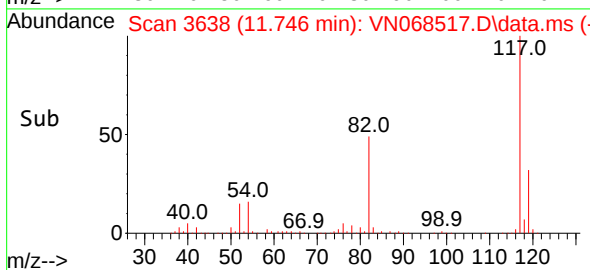
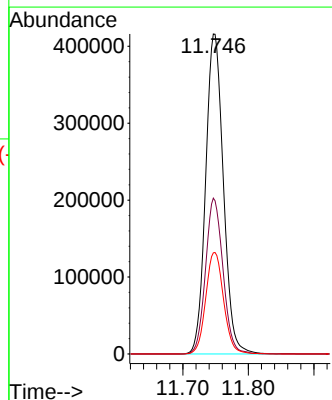
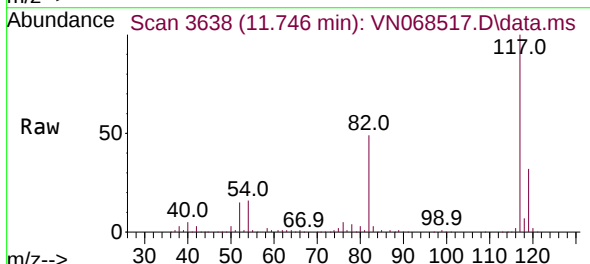
Instrument :
MSVOA_N
ClientSampleId :
MW180D-20210915

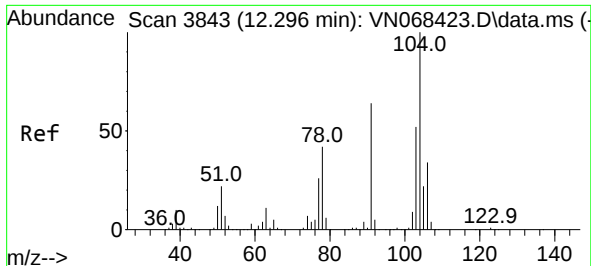
Tgt Ion: 95 Resp: 284310
Ion Ratio Lower Upper
95 100
174 101.7 0.0 214.0
176 96.6 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion: 117 Resp: 779588
Ion Ratio Lower Upper
117 100
82 48.7 38.7 58.1
119 31.6 25.5 38.3

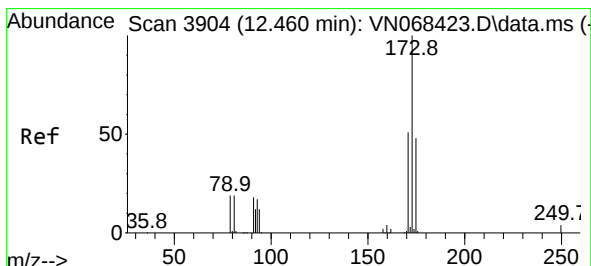
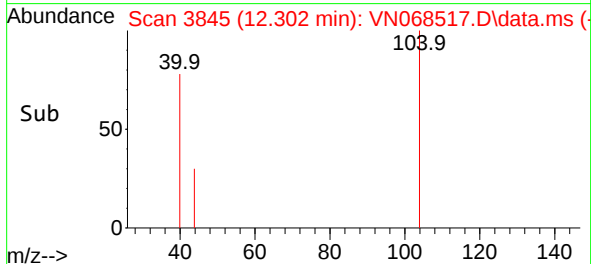
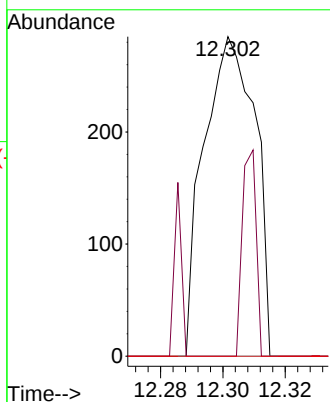
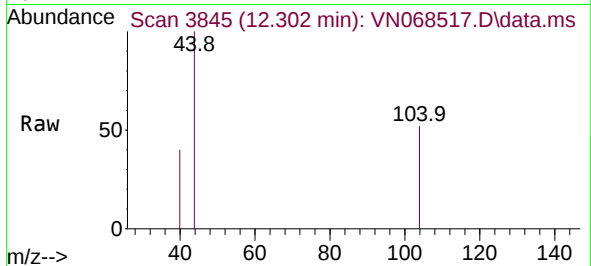




#70
Styrene
Concen: 1.771 ug/l
RT: 12.302 min Scan# 3845
Delta R.T. 0.006 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

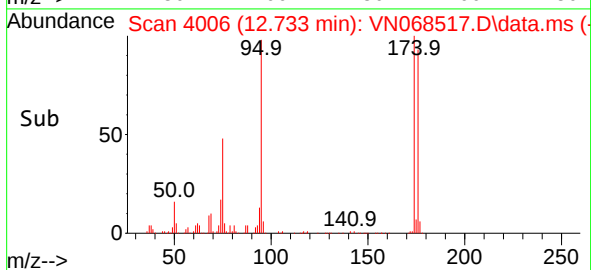
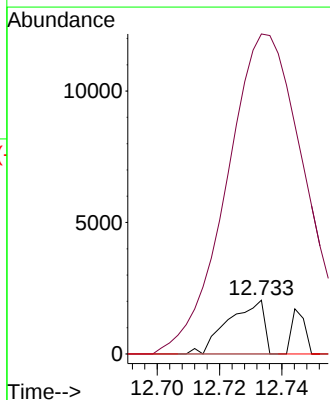
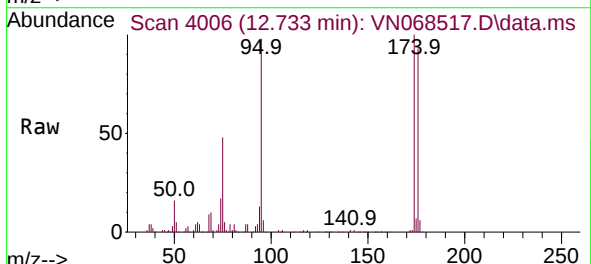
Instrument :
MSVOA_N
ClientSampleId :
MW180D-20210915

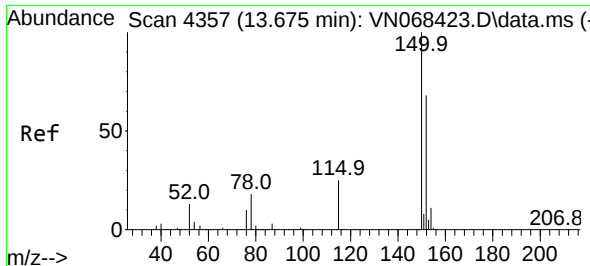
Tgt Ion:104 Resp: 324
Ion Ratio Lower Upper
104 100
78 17.6 36.2 54.2#
103 0.0 44.4 66.6#



#71
Bromoform
Concen: 2.785 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion:173 Resp: 1618
Ion Ratio Lower Upper
173 100
175 1198.1 24.1 72.3#
254 0.0 0.0 0.0

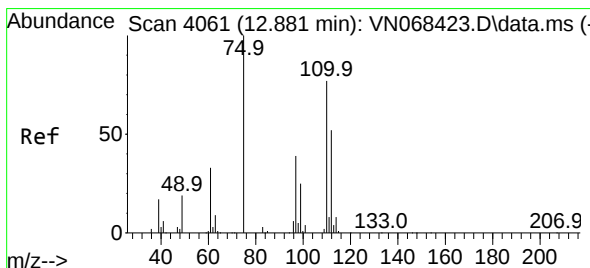
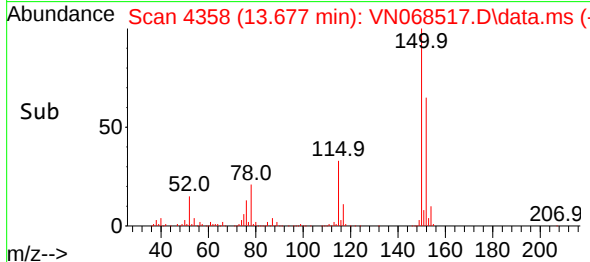
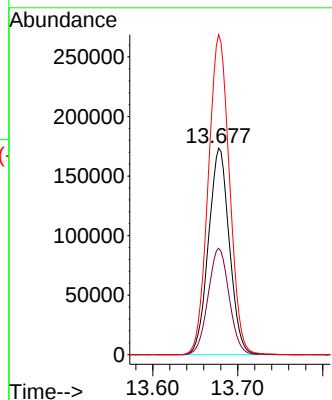
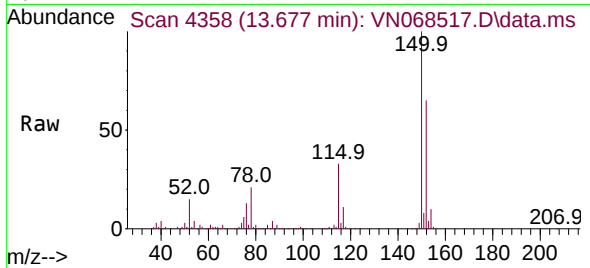




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

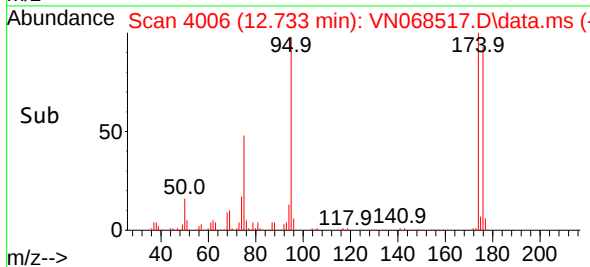
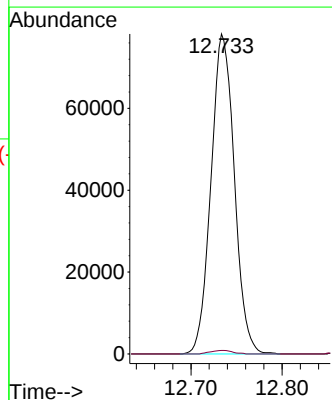
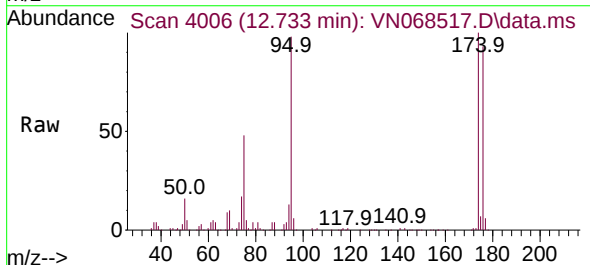
Instrument :
MSVOA_N
ClientSampleId :
MW180D-20210915

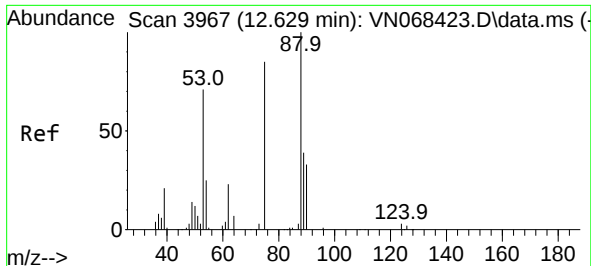
Tgt Ion:152 Resp: 295843
Ion Ratio Lower Upper
152 100
115 52.0 25.6 76.6
150 157.1 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 33.808 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion: 75 Resp: 138987
Ion Ratio Lower Upper
75 100
77 1.1 100.9 302.7#

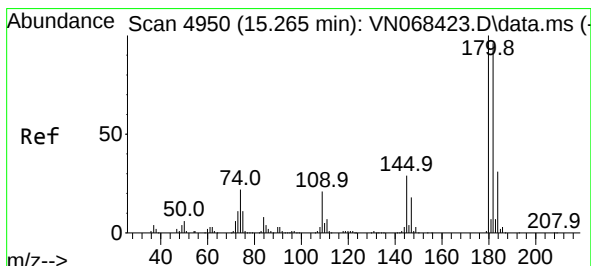
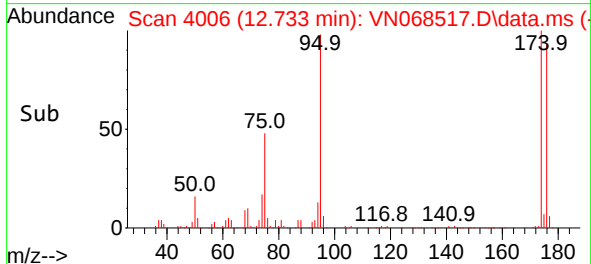
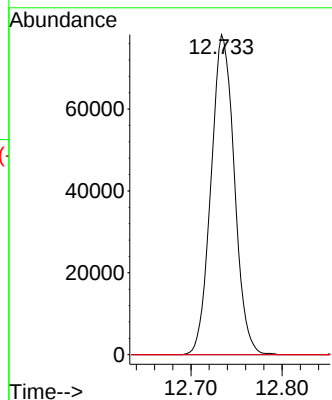
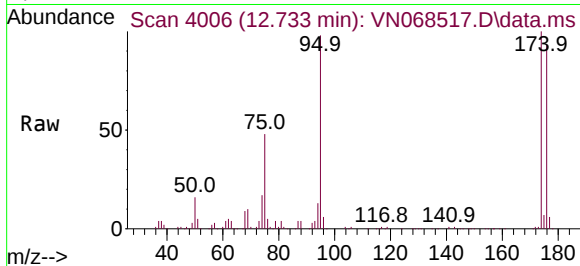




#81
trans-1,4-Dichloro-2-butene
Concen: 104.117 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

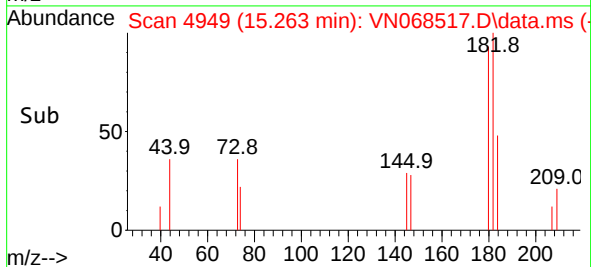
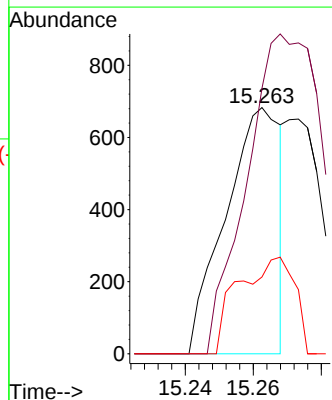
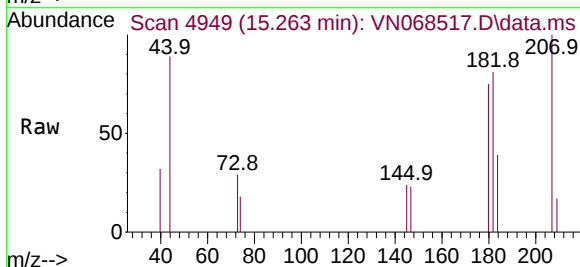
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MSVOA_N
ClientSampleId :
MW180D-20210915

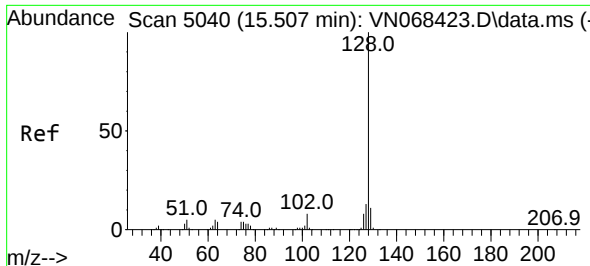
Tgt Ion: 75 Resp: 138987
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.089 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion:180 Resp: 763
Ion Ratio Lower Upper
180 100
182 198.2 47.5 142.6#
145 40.2 14.1 42.4

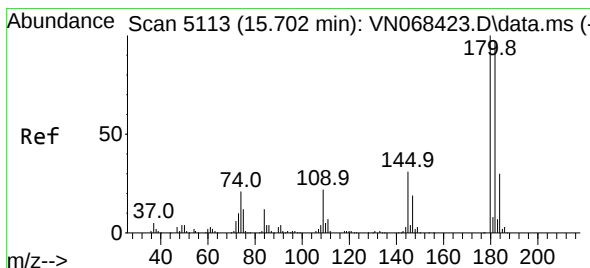
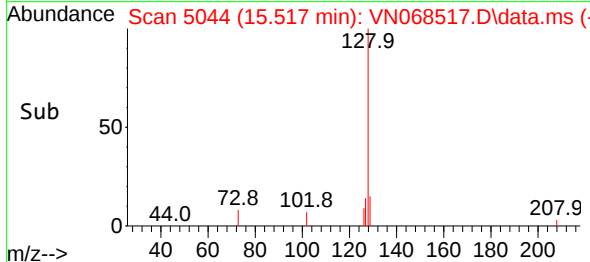
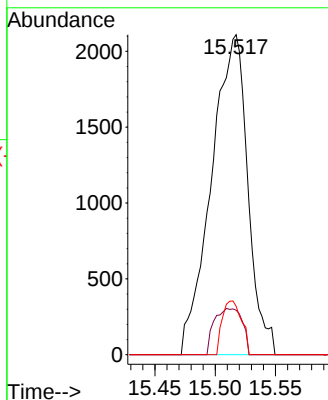
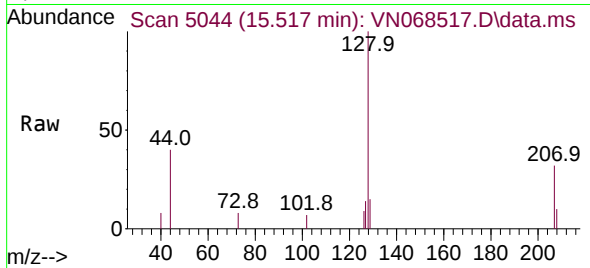




#95
Naphthalene
Concen: 3.849 ug/l
RT: 15.517 min Scan# 5044
Delta R.T. 0.010 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Instrument :
MSVOA_N
ClientSampleId :
MW180D-20210915

Tgt Ion:128	Resp:	4442
Ion Ratio	Lower	Upper
128	100	
127	11.0	10.6 15.8
129	8.9	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.153 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN068517.D
Acq: 17 Sep 2021 14:03

Tgt Ion:180	Resp:	994
Ion Ratio	Lower	Upper
180	100	
182	138.8	47.9 143.6
145	36.9	15.2 45.5

