

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068093.D
 Acq On : 12 Aug 2021 16:40
 Operator : JC/MD
 Sample : M3361-07 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 05:44:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

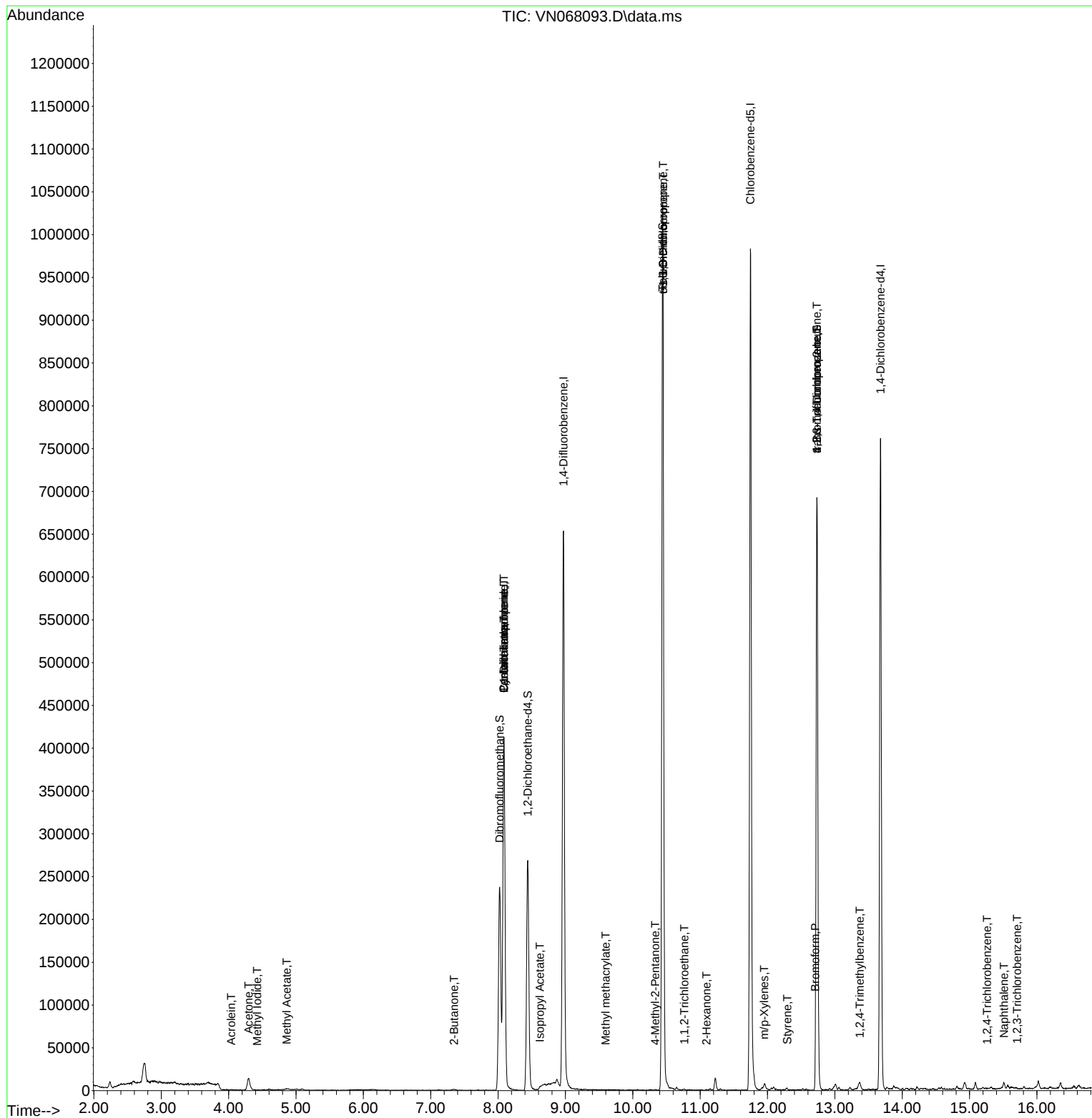
Internal Standards						
1) Pentafluorobenzene	8.088	168	307652	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	583163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	571002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	200436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229125	52.608	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 105.220%		
35) Dibromofluoromethane	8.024	113	179489	52.813	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 105.620%		
50) Toluene-d8	10.443	98	741188	47.467	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 94.940%		
62) 4-Bromofluorobenzene	12.733	95	252414	44.567	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 89.140%		
Target Compounds						
						Qvalue
10) Methyl Iodide	4.422	142	54	3.134	ug/l	# 33
13) Acrolein	4.038	56	212	0.535	ug/l	# 78
16) Acetone	4.296	43	25439	16.008	ug/l	# 84
18) Methyl Acetate	4.865	43	2088	0.445	ug/l	# 84
20) Methylene Chloride	5.093	84	914	Below Cal		# 77
25) 2-Butanone	7.348	43	983	0.426	ug/l	# 51
31) Cyclohexane	8.086	56	7887	1.228	ug/l	# 33
36) 1,1-Dichloropropene	8.088	75	26390	4.892	ug/l	# 48
38) Carbon Tetrachloride	8.088	117	34595	6.521	ug/l	# 17
43) Isopropyl Acetate	8.622	43	1848	0.218	ug/l	# 58
48) Methyl methacrylate	9.598	41	25	2.311	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.333	43	716	12.677	ug/l	# 39
53) t-1,3-Dichloropropene	10.451	75	88	2.845	ug/l	# 4
54) cis-1,3-Dichloropropene	10.451	75	88	2.367	ug/l	# 42
55) 1,1,2-Trichloroethane	10.765	97	1118	0.278	ug/l	# 14
59) 2-Hexanone	11.095	43	745	13.449	ug/l	# 43
68) m/p-Xylenes	11.953	106	2163	4.292	ug/l	85
70) Styrene	12.296	104	375	2.655	ug/l	# 68
71) Bromoform	12.709	173	60	4.046	ug/l	# 29
76) 1,2,3-Trichloropropane	12.733	75	135292	33.610	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	135292	90.137	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.369	105	4941	0.385	ug/l	90
93) 1,2,4-Trichlorobenzene	15.260	180	265	2.553	ug/l	# 49
95) Naphthalene	15.509	128	6573	3.857	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	175	2.427	ug/l	# 40

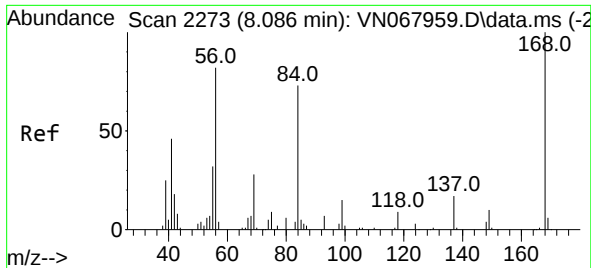
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
Data File : VN068093.D
Acq On : 12 Aug 2021 16:40
Operator : JC/MD
Sample : M3361-07 50X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Aug 13 05:44:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

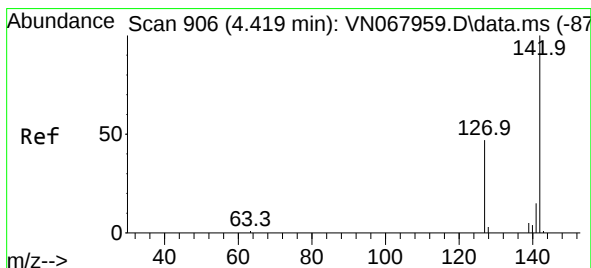
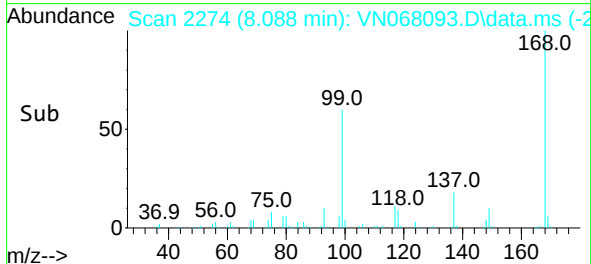
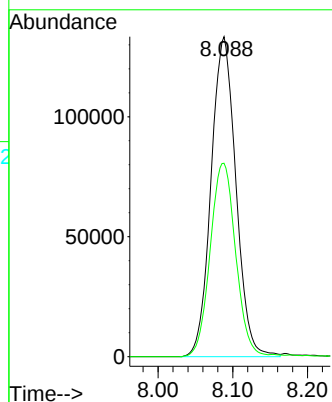
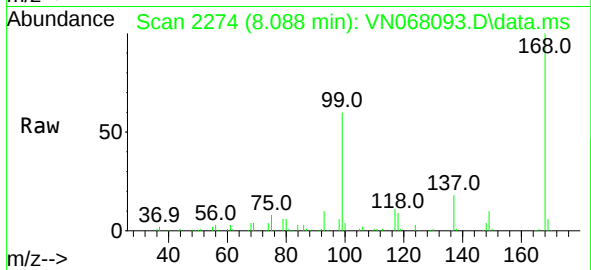




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

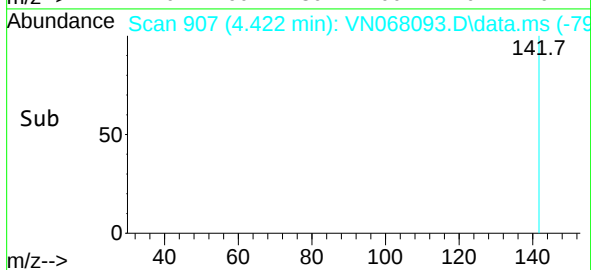
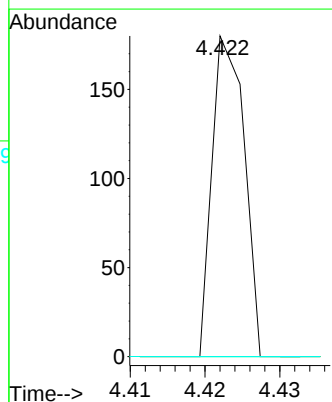
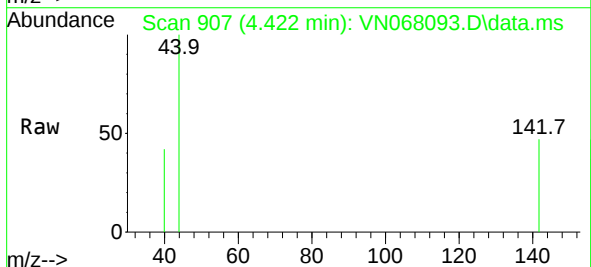
Instrument :
MSVOA_N
ClientSampled :

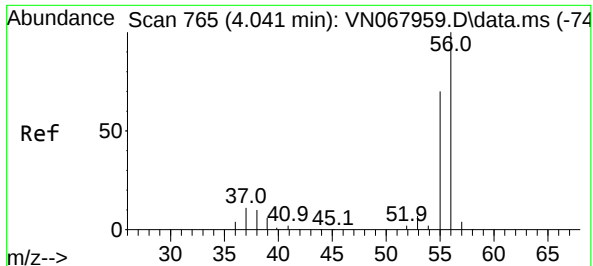
Tgt Ion:168 Resp: 307652
Ion Ratio Lower Upper
168 100
99 60.4 62.9 94.3#



#10
Methyl Iodide
Concen: 3.134 ug/l
RT: 4.422 min Scan# 907
Delta R.T. 0.003 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

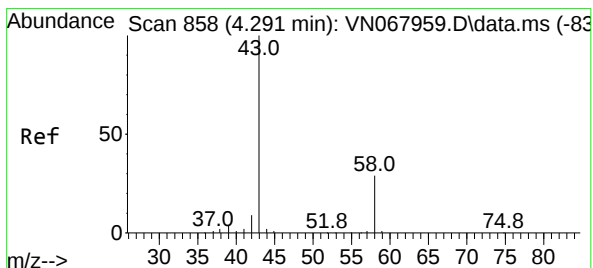
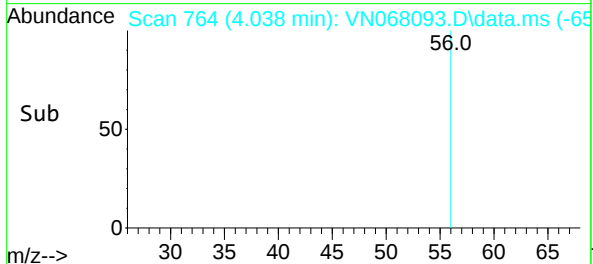
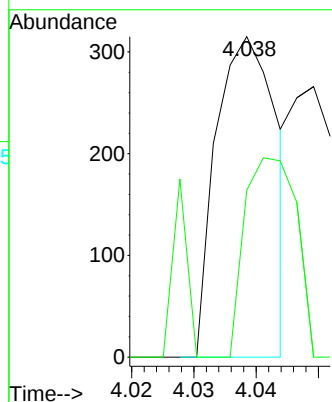
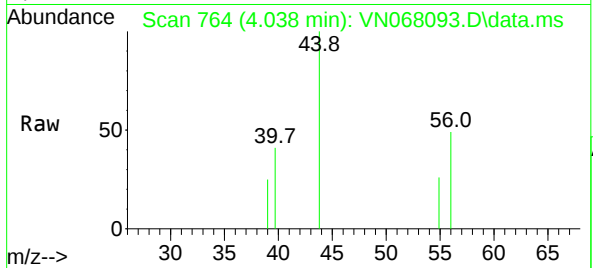




#13
Acrolein
Concen: 0.535 ug/l
RT: 4.038 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

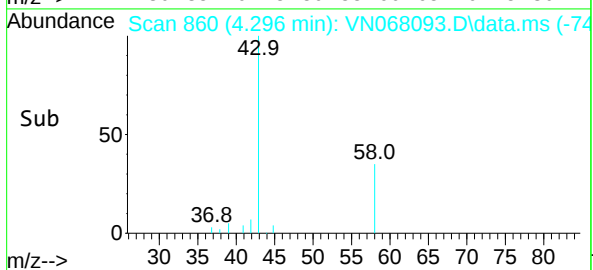
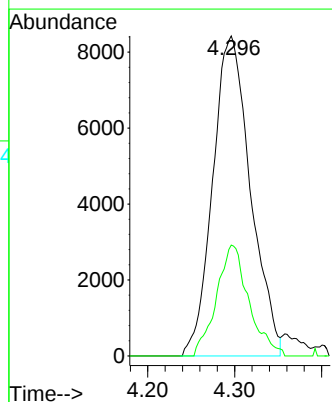
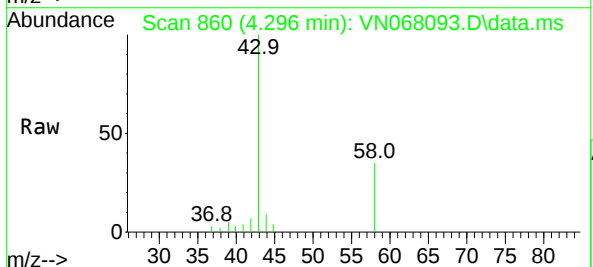
Instrument :
MSVOA_N
ClientSampled :

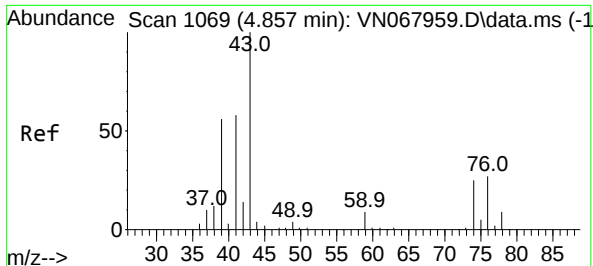
Tgt Ion: 56 Resp: 212
Ion Ratio Lower Upper
56 100
55 53.3 57.4 86.0#



#16
Acetone
Concen: 16.008 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion: 43 Resp: 25439
Ion Ratio Lower Upper
43 100
58 34.7 21.2 31.8#





#18

Methyl Acetate

Concen: 0.445 ug/l

RT: 4.865 min Scan# 1072

Delta R.T. 0.008 min

Lab File: VN068093.D

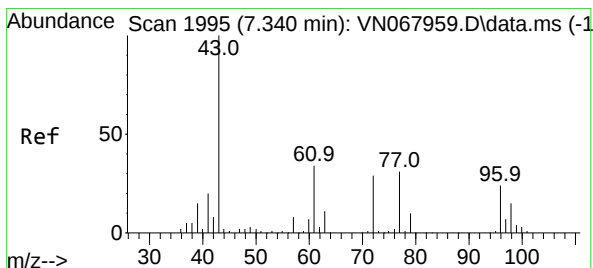
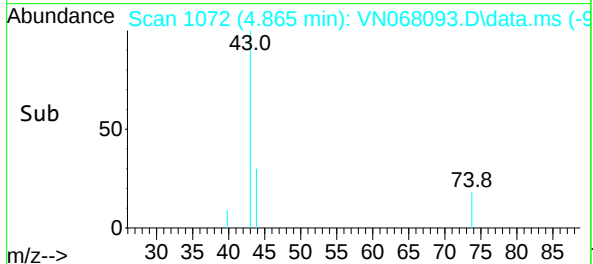
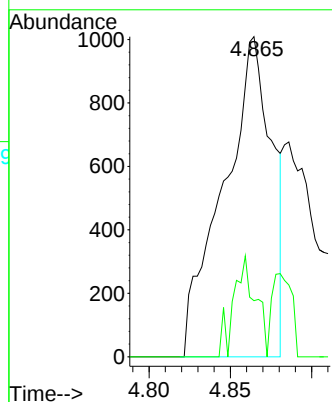
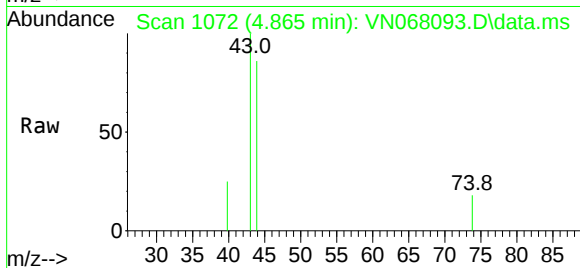
Acq: 12 Aug 2021 16:40

Tgt Ion: 43 Resp: 2088

Ion Ratio Lower Upper

43 100

74 14.2 17.4 26.0#



#25

2-Butanone

Concen: 0.426 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.008 min

Lab File: VN068093.D

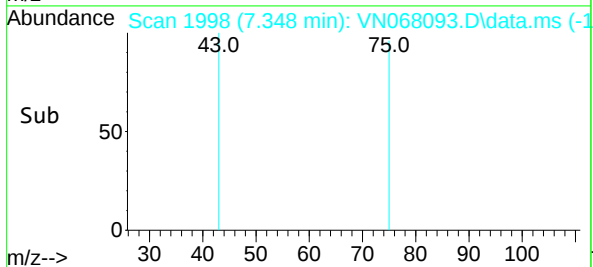
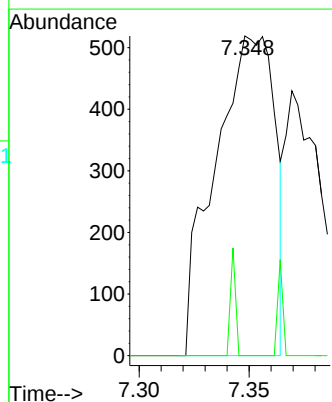
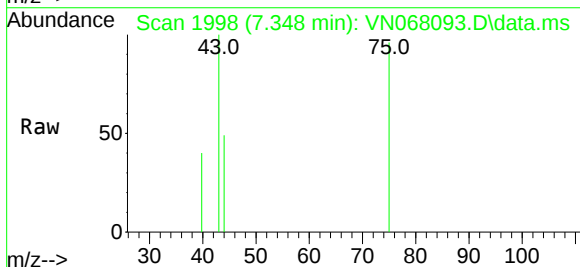
Acq: 12 Aug 2021 16:40

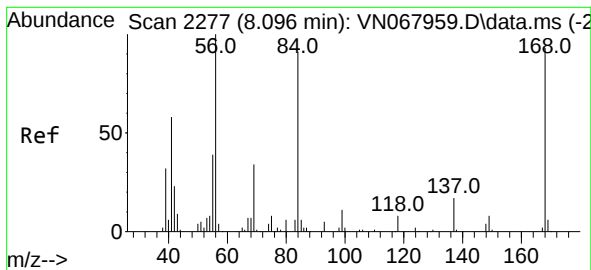
Tgt Ion: 43 Resp: 983

Ion Ratio Lower Upper

43 100

72 0.0 19.7 29.5#

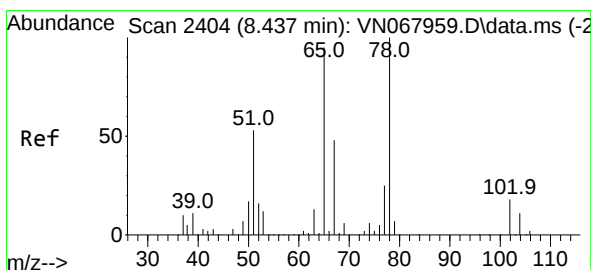
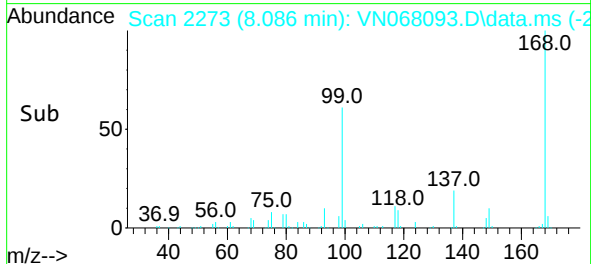
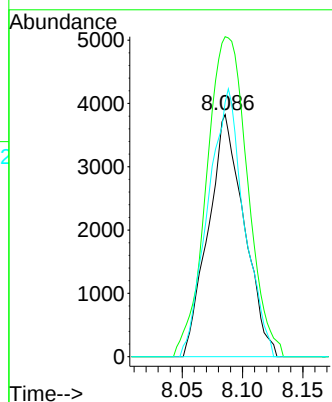
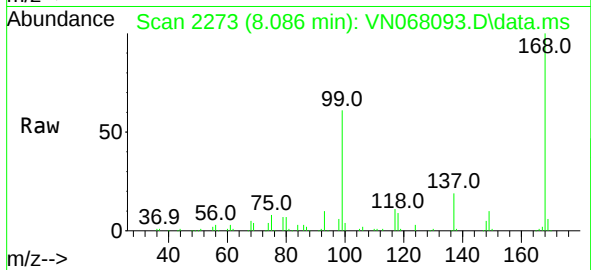




#31
Cyclohexane
Concen: 1.228 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

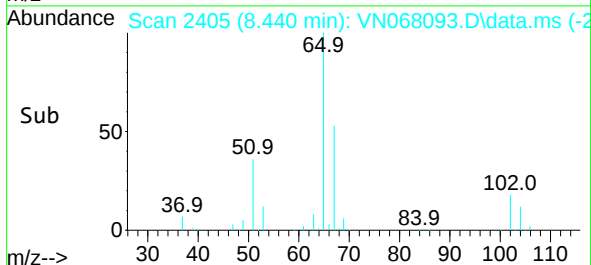
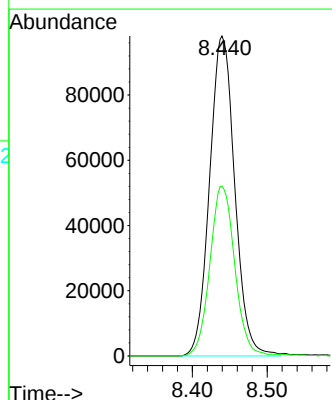
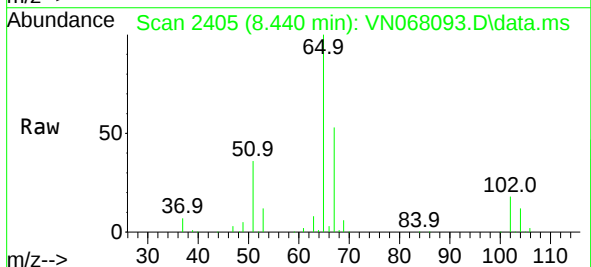
Instrument :
MSVOA_N
ClientSampled :

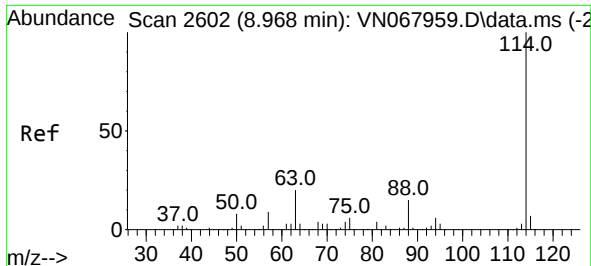
Tgt Ion: 56 Resp: 7887
Ion Ratio Lower Upper
56 100
69 127.1 27.3 40.9#
84 105.1 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.608 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion: 65 Resp: 229125
Ion Ratio Lower Upper
65 100
67 52.7 0.0 98.6

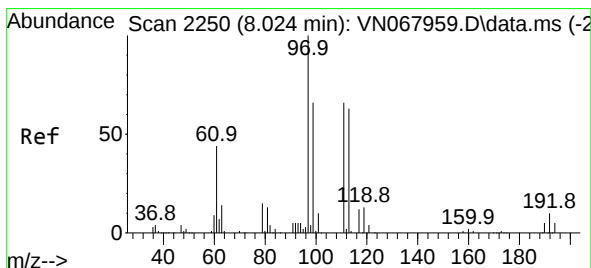
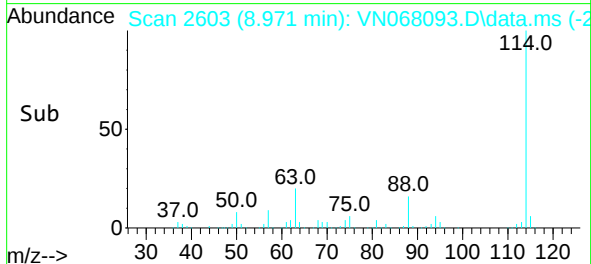
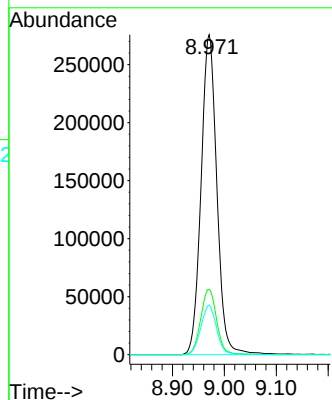
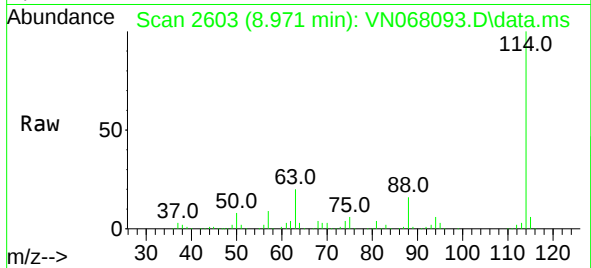




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

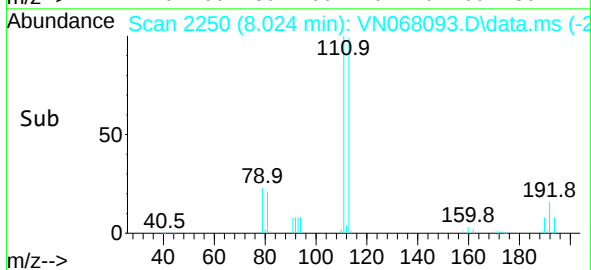
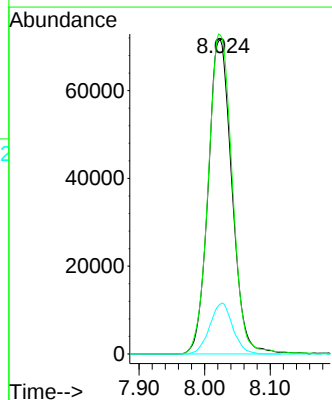
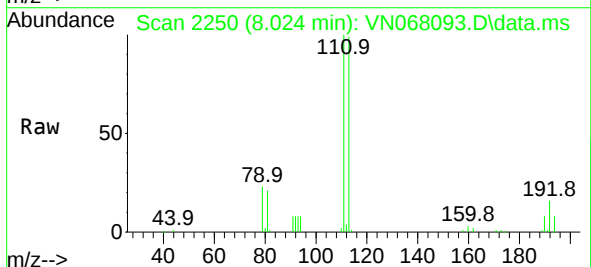
Instrument :
MSVOA_N
ClientSampled :

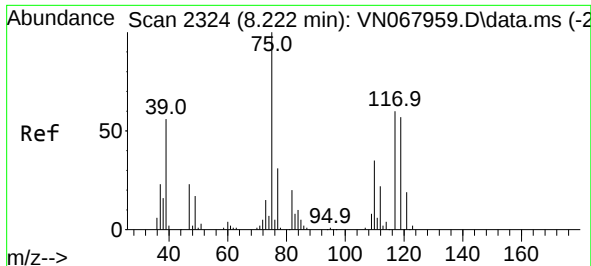
Tgt Ion:114 Resp: 583163
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.813 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion:113 Resp: 179489
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.8
192 15.7 13.4 20.0

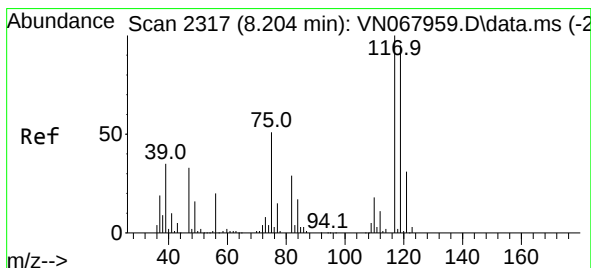
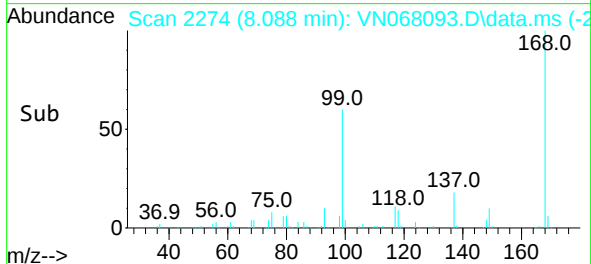
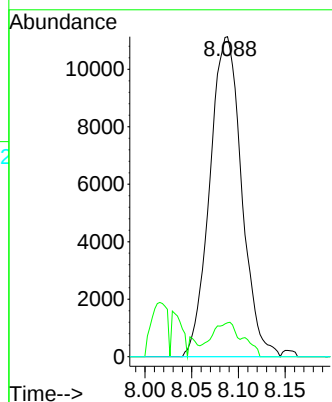
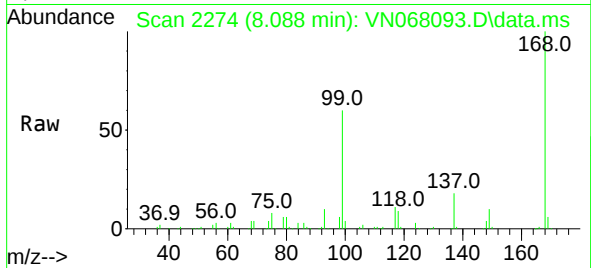




#36
1,1-Dichloropropene
Concen: 4.892 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

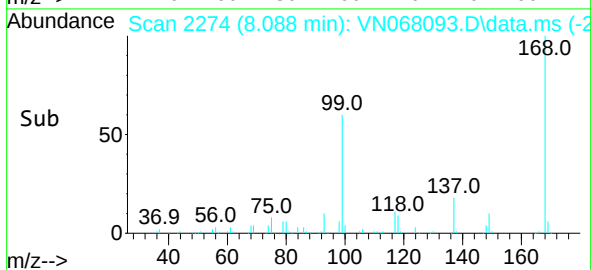
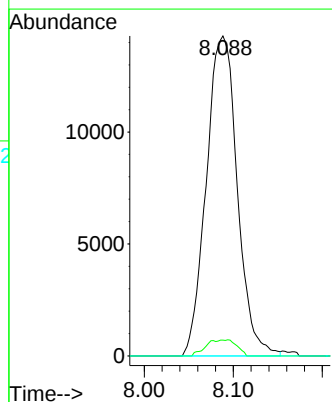
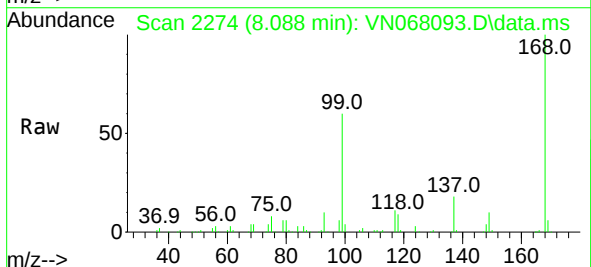
Instrument :
MSVOA_N
ClientSampled :

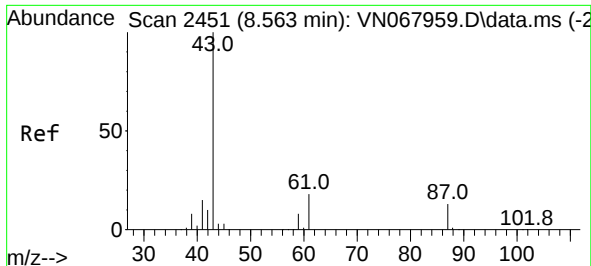
Tgt Ion: 75 Resp: 26390
Ion Ratio Lower Upper
75 100
110 4.8 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.521 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion: 117 Resp: 34595
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#

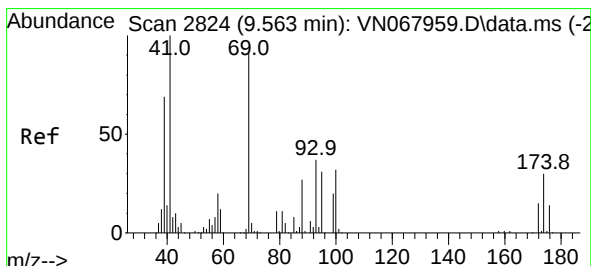
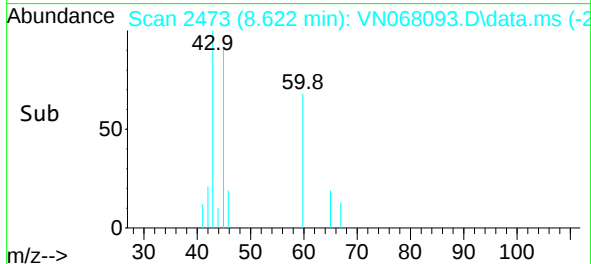
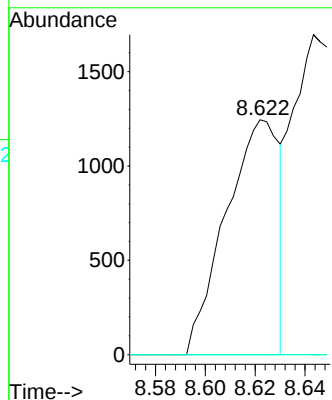
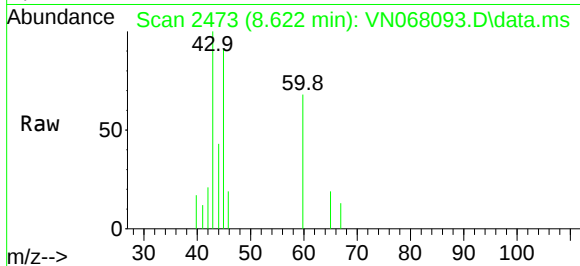




#43
Isopropyl Acetate
Concen: 0.218 ug/l
RT: 8.622 min Scan# 2473
Delta R.T. 0.059 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

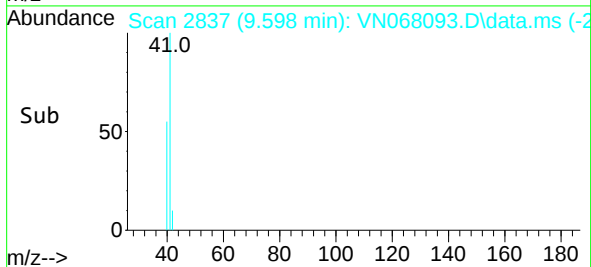
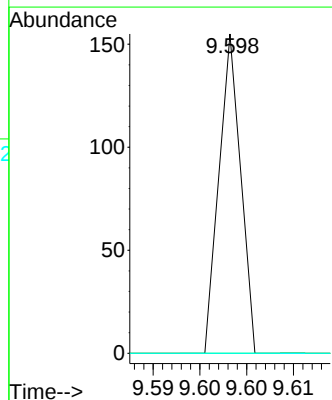
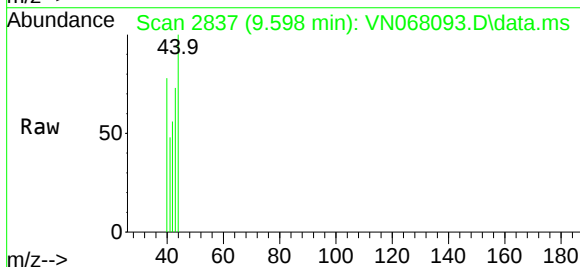
Instrument :
MSVOA_N
ClientSampled :

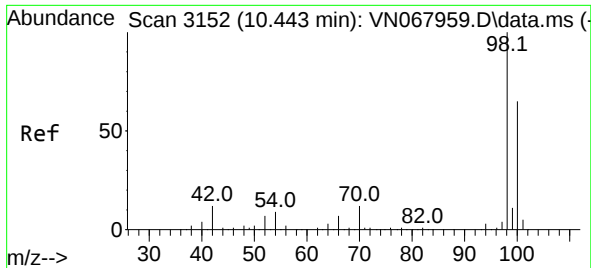
Tgt Ion: 43 Resp: 1848
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#48
Methyl methacrylate
Concen: 2.311 ug/l
RT: 9.598 min Scan# 2837
Delta R.T. 0.035 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion: 41 Resp: 25
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

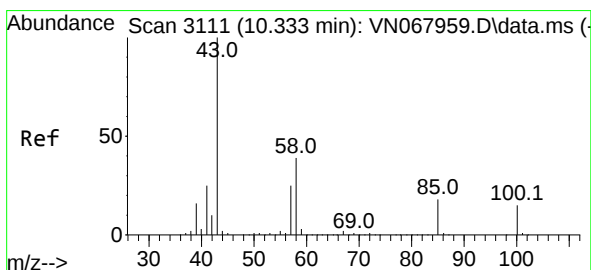
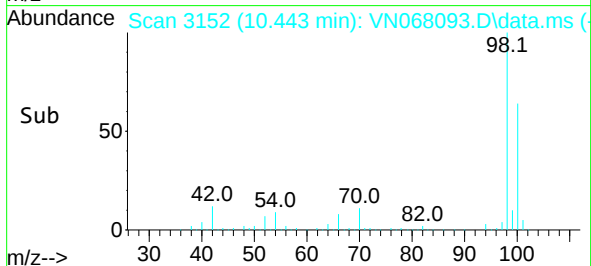
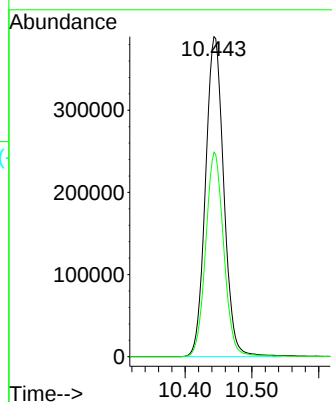
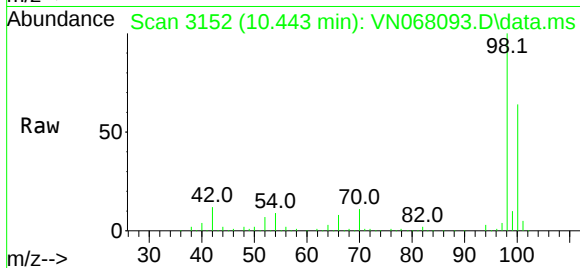




#50
Toluene-d8
Concen: 47.467 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

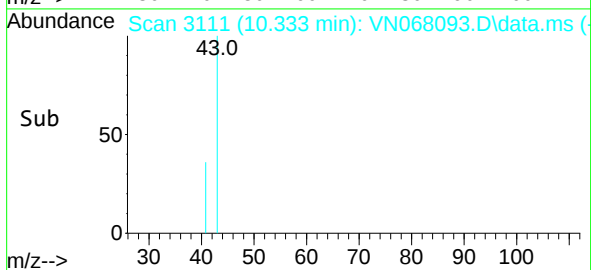
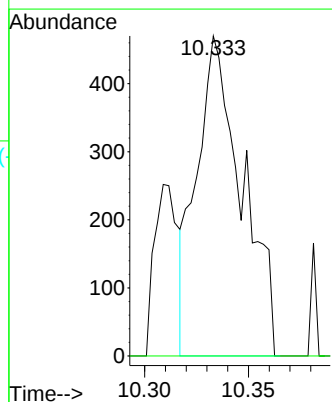
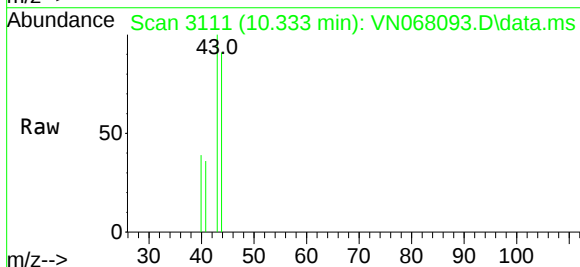
Instrument :
MSVOA_N
ClientSampled :

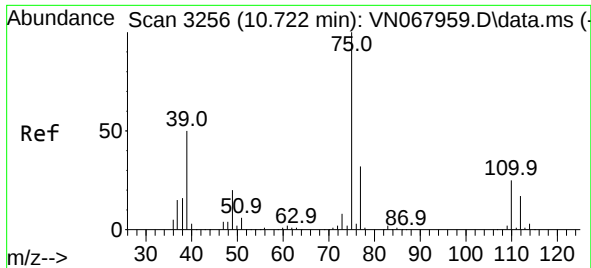
Tgt Ion: 98 Resp: 741188
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.677 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

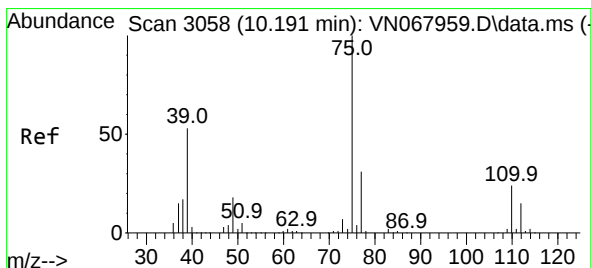
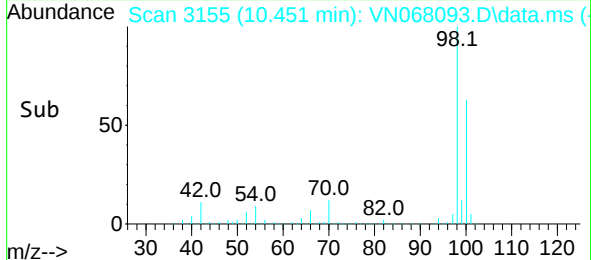
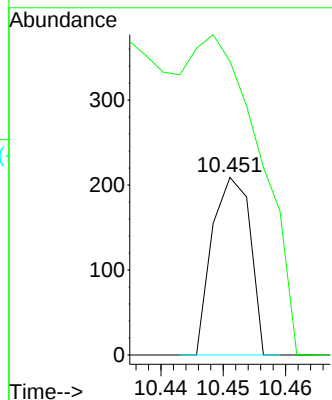
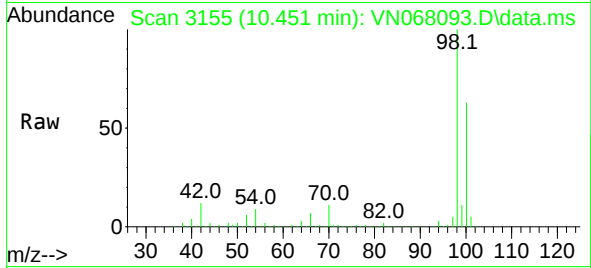




#53
t-1,3-Dichloropropene
Concen: 2.845 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.271 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

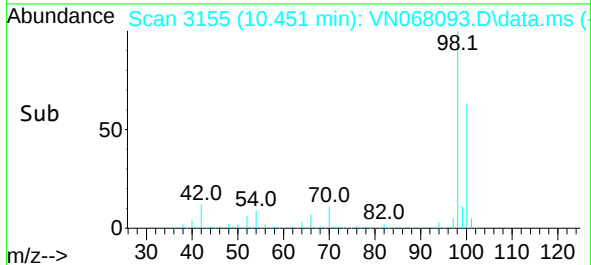
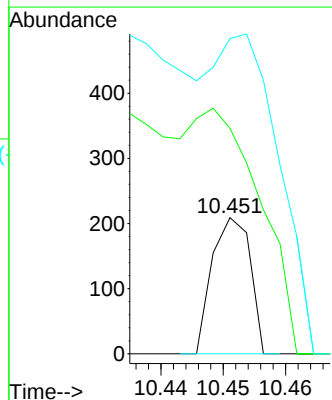
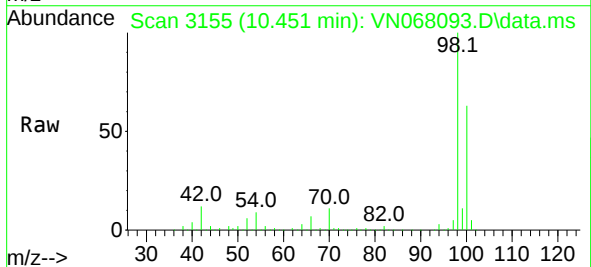
Instrument :
MSVOA_N
ClientSampled :

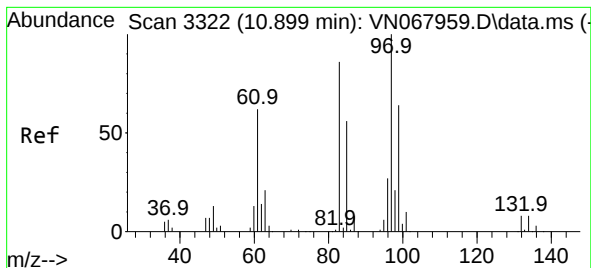
Tgt Ion: 75 Resp: 88
Ion Ratio Lower Upper
75 100
77 84.7 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.367 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. 0.260 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

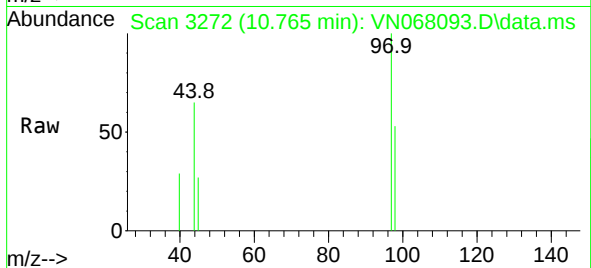
Tgt Ion: 75 Resp: 88
Ion Ratio Lower Upper
75 100
77 84.7 24.6 37.0#
39 93.3 50.7 76.1#



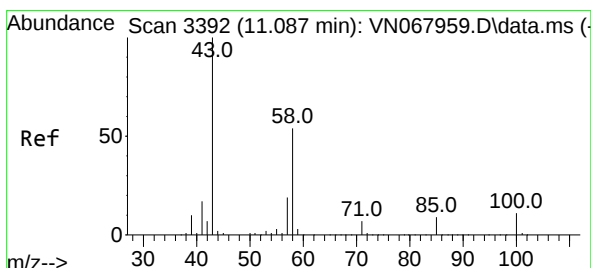
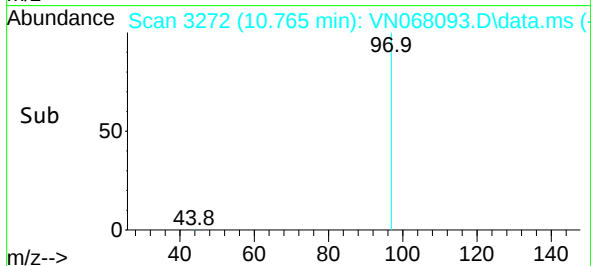
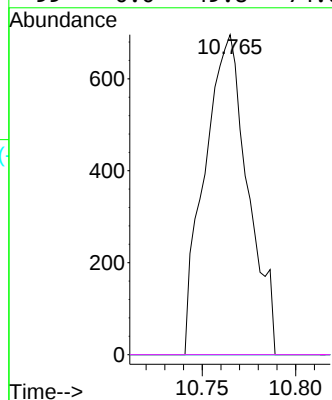


#55
1,1,2-Trichloroethane
Concen: 0.278 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. -0.134 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

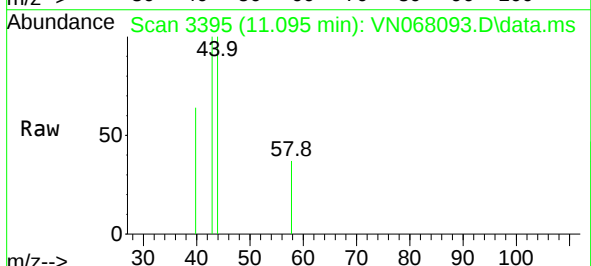
Instrument :
MSVOA_N
ClientSampled :



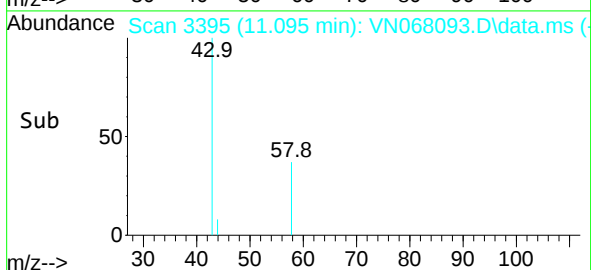
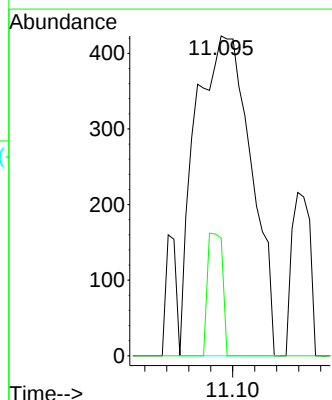
Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	72.0	108.0#
85	0.0	46.8	70.2#
99	0.0	49.8	74.6#

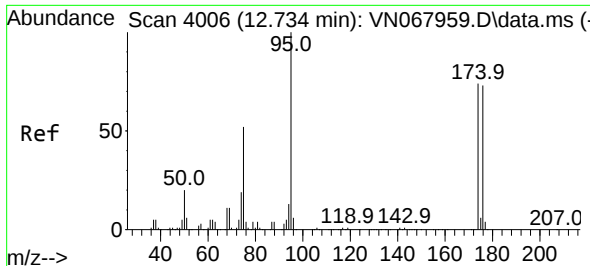


#59
2-Hexanone
Concen: 13.449 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40



Tgt Ion	Ratio	Lower	Upper
43	100		
58	10.3	24.7	74.1#

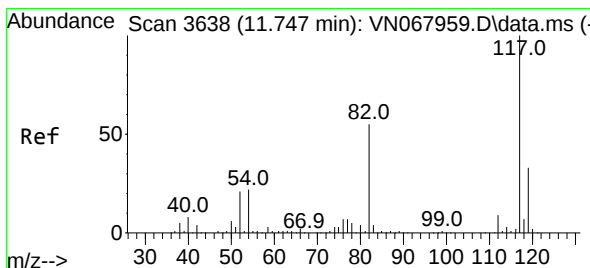
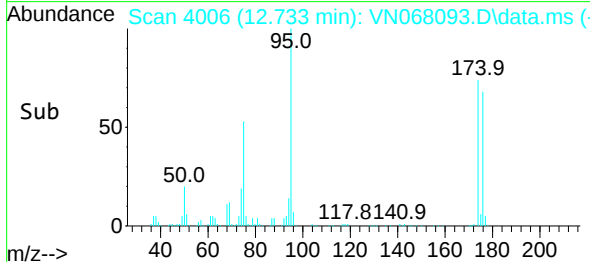
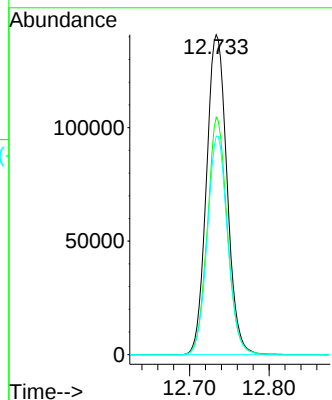
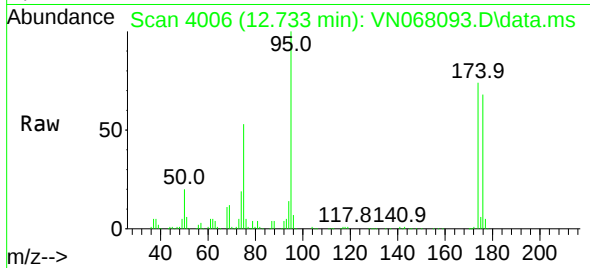




#62
4-Bromofluorobenzene
Concen: 44.567 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

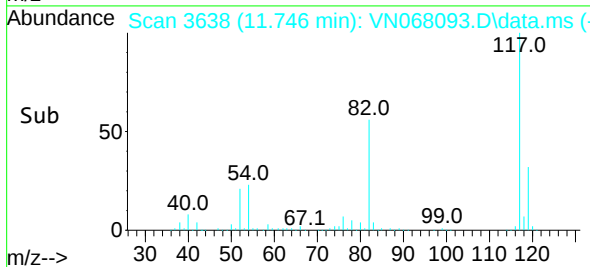
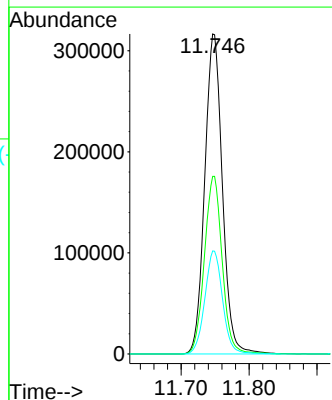
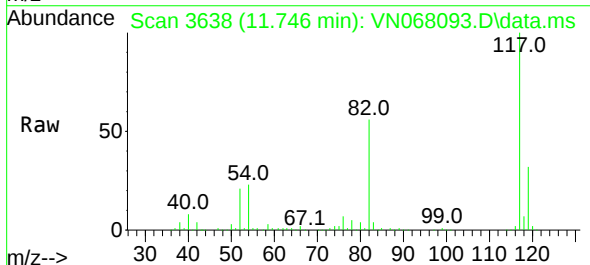
Instrument :
MSVOA_N
ClientSampled :

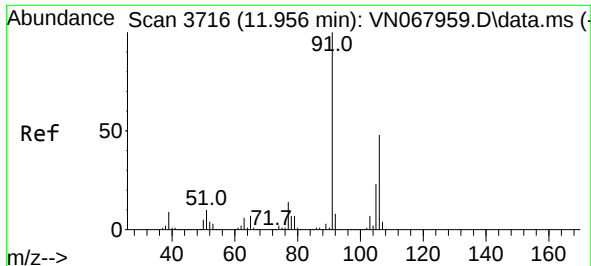
Tgt Ion: 95 Resp: 252414
Ion Ratio Lower Upper
95 100
174 72.2 0.0 122.0
176 67.8 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion: 117 Resp: 571002
Ion Ratio Lower Upper
117 100
82 55.5 53.1 79.7
119 32.2 25.5 38.3

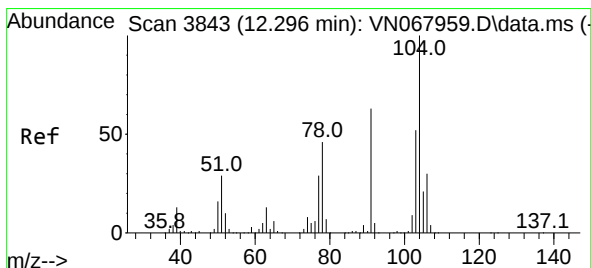
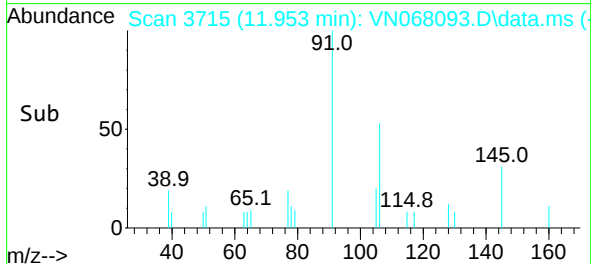
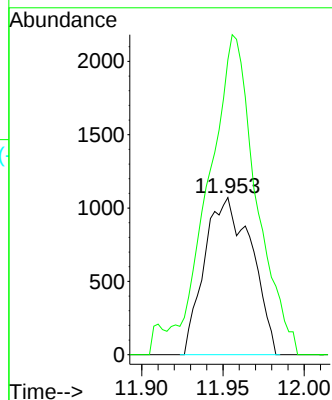
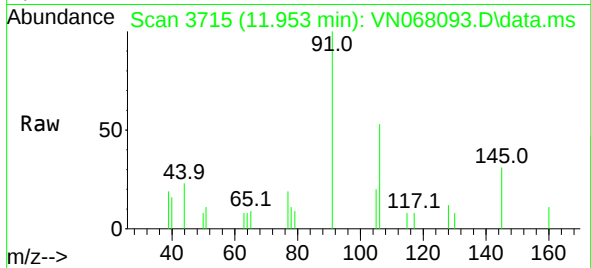




#68
m/p-Xylenes
Concen: 4.292 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

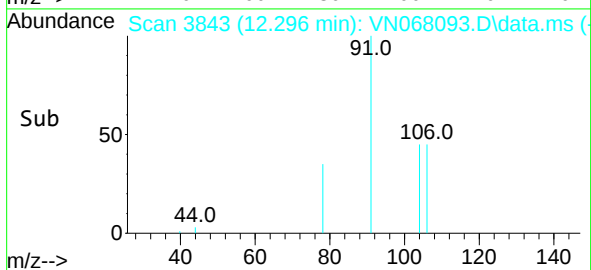
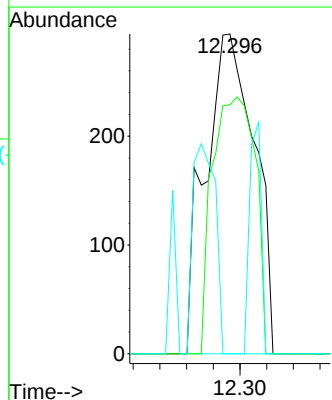
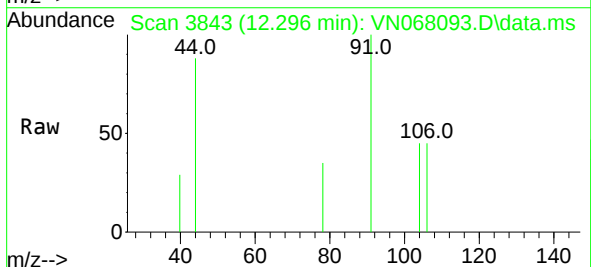
Instrument :
MSVOA_N
ClientSampled :

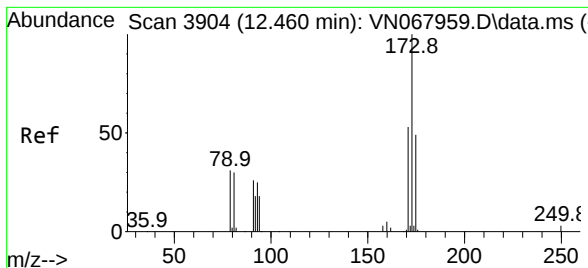
Tgt Ion:106 Resp: 2163
Ion Ratio Lower Upper
106 100
91 201.3 180.6 270.8



#70
Styrene
Concen: 2.655 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion:104 Resp: 375
Ion Ratio Lower Upper
104 100
78 70.1 48.2 72.2
103 17.3 44.5 66.7#





#71

Bromoform

Concen: 4.046 ug/l

RT: 12.709 min Scan# 3997

Delta R.T. 0.249 min

Lab File: VN068093.D

Acq: 12 Aug 2021 16:40

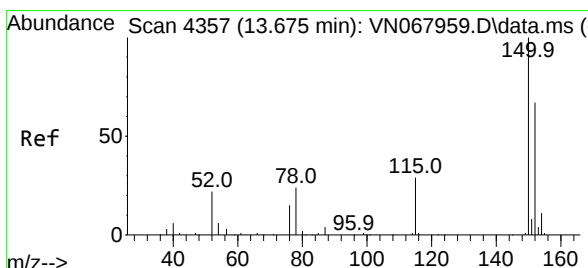
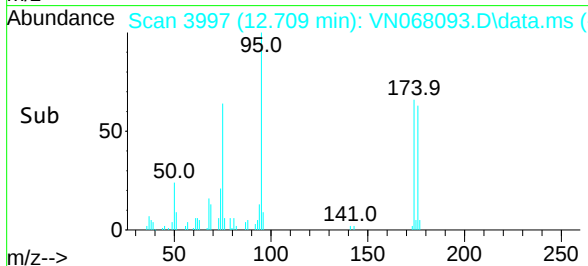
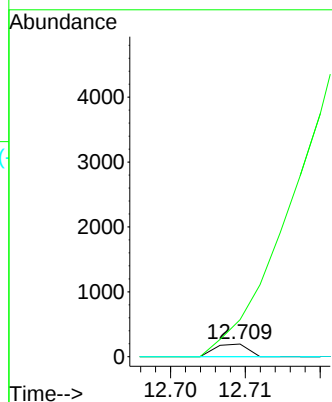
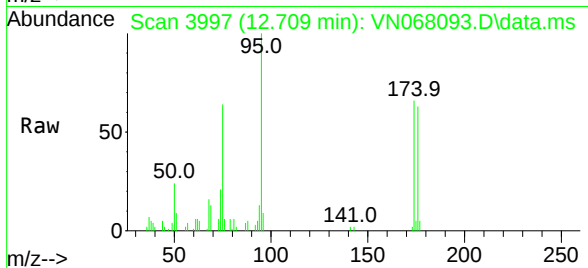
Tgt Ion:173 Resp: 60

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.8#

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: VN068093.D

Acq: 12 Aug 2021 16:40

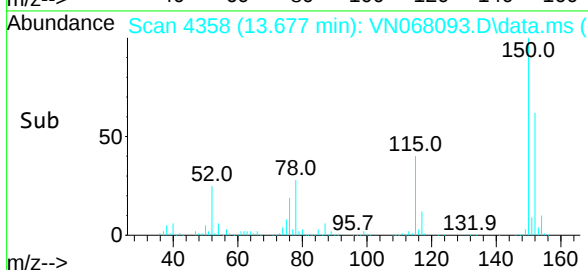
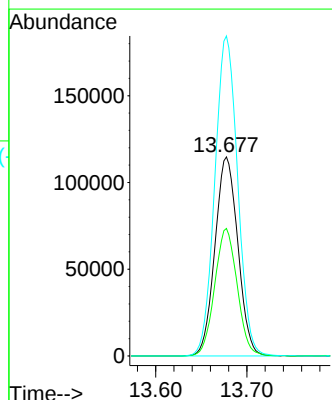
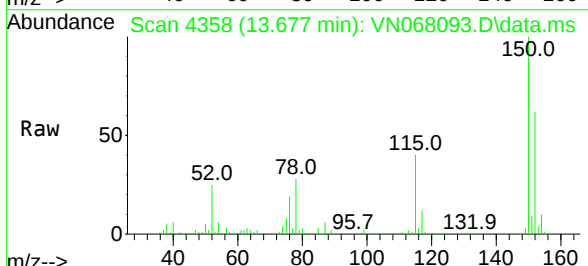
Tgt Ion:152 Resp: 200436

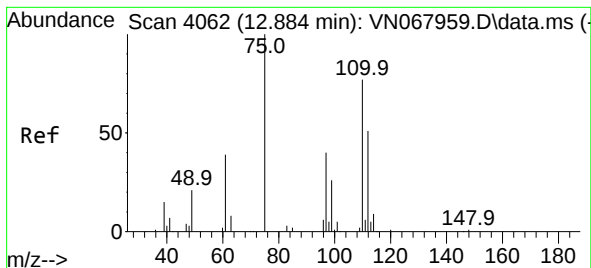
Ion Ratio Lower Upper

152 100

115 63.0 36.1 108.5

150 160.0 0.0 351.8

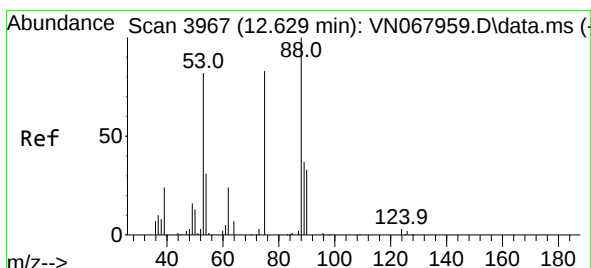
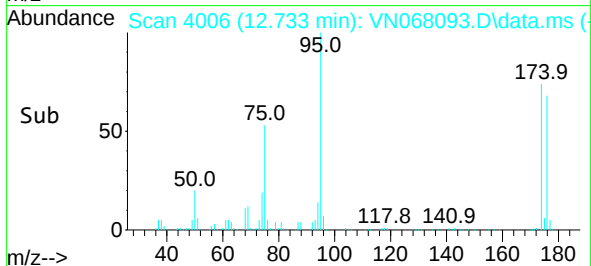
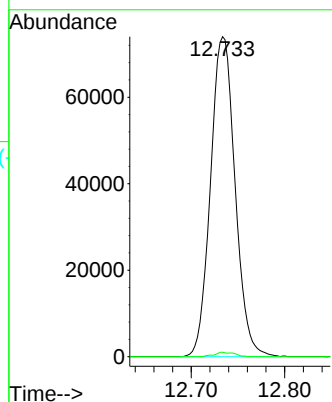
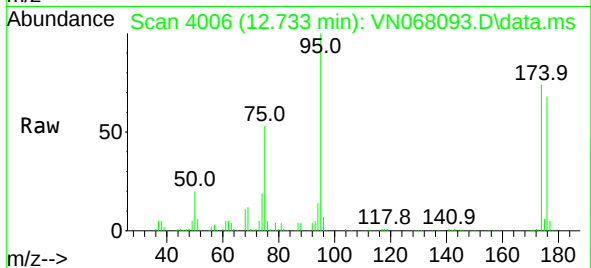




#76
1,2,3-Trichloropropane
Concen: 33.610 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

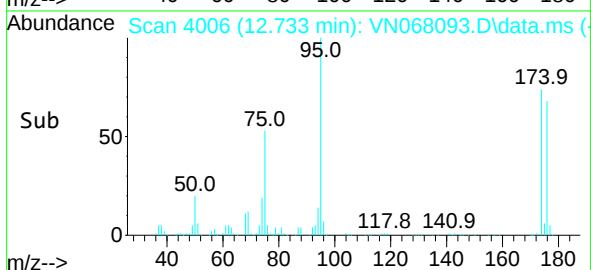
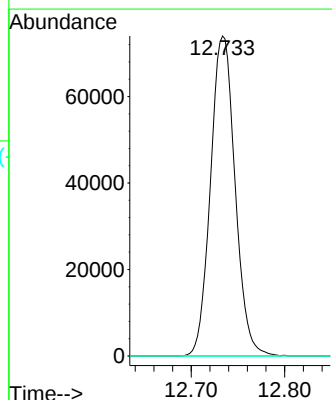
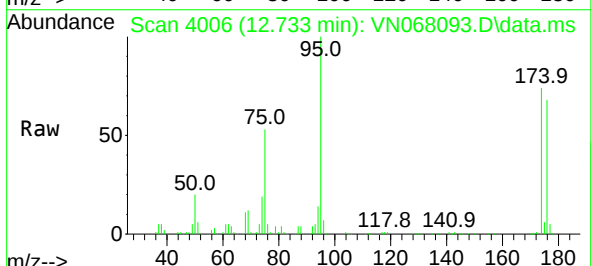
Instrument :
MSVOA_N
ClientSampled :

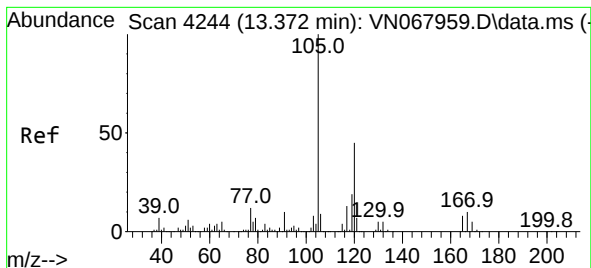
Tgt Ion: 75 Resp: 135292
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.137 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion: 75 Resp: 135292
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

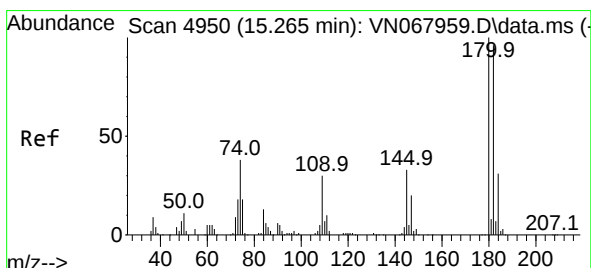
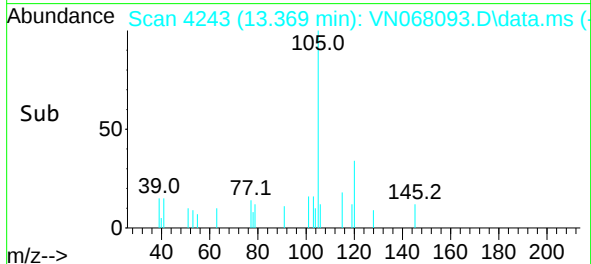
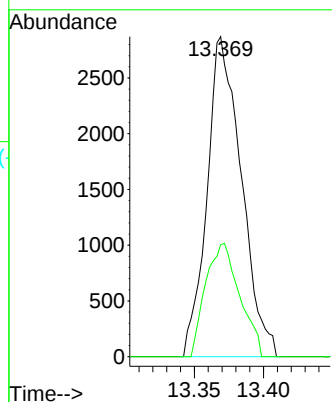
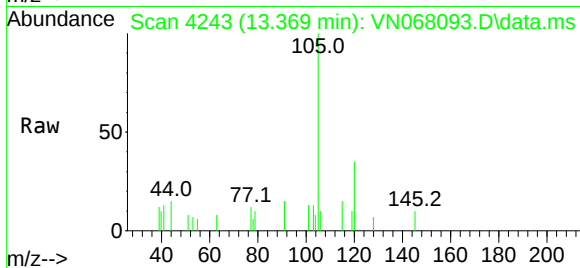




#84
1,2,4-Trimethylbenzene
Concen: 0.385 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. -0.003 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

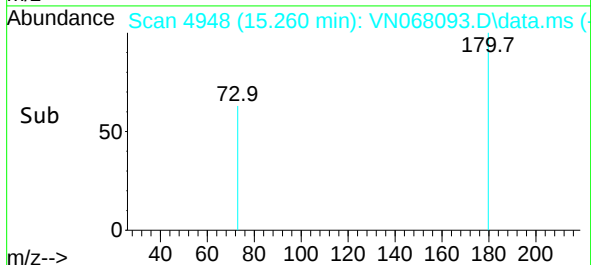
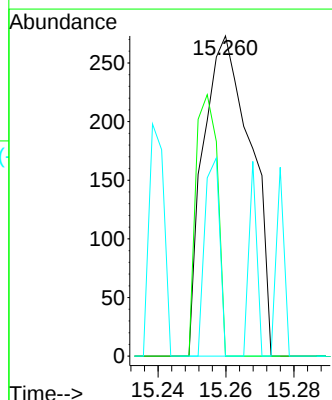
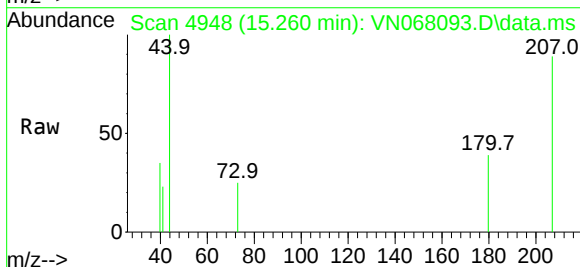
Instrument :
MSVOA_N
ClientSampled :

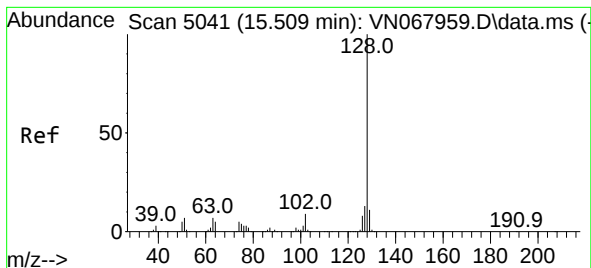
Tgt Ion:105 Resp: 4941
Ion Ratio Lower Upper
105 100
120 35.2 20.6 61.8



#93
1,2,4-Trichlorobenzene
Concen: 2.553 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion:180 Resp: 265
Ion Ratio Lower Upper
180 100
182 37.0 47.5 142.5#
145 19.6 17.2 51.6

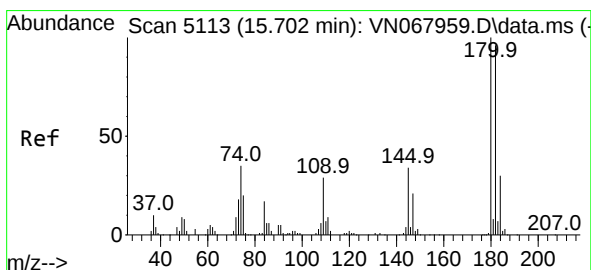
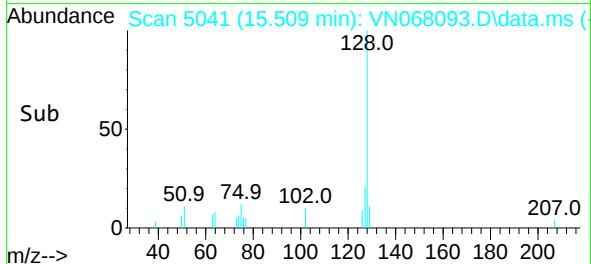
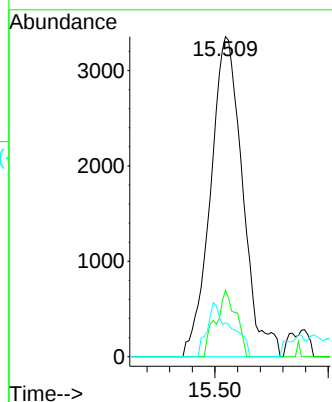
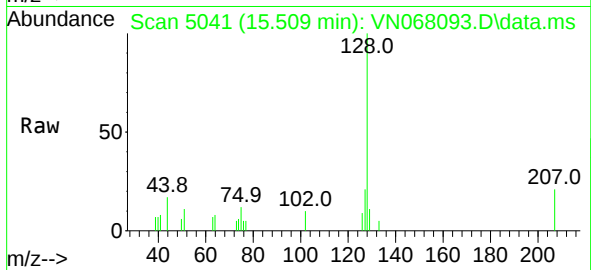




#95
Naphthalene
Concen: 3.857 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 6573
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 12.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.427 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068093.D
Acq: 12 Aug 2021 16:40

Tgt Ion:180 Resp: 175
Ion Ratio Lower Upper
180 100
182 169.7 47.8 143.3#
145 45.7 18.2 54.6

