

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068104.D
 Acq On : 12 Aug 2021 21:10
 Operator : JC/MD
 Sample : M3361-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 05:48:03 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)

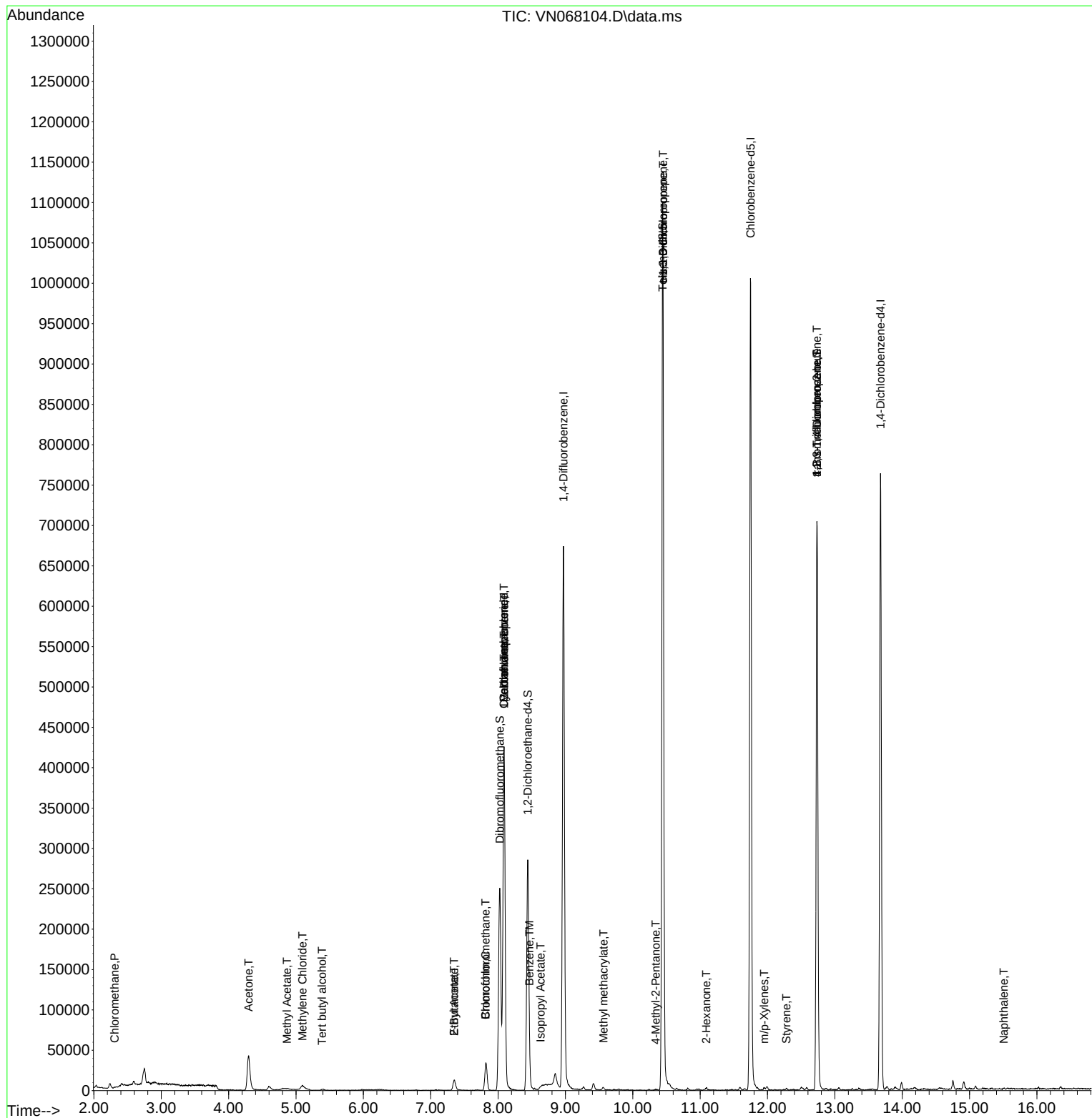
Internal Standards						
1) Pentafluorobenzene	8.088	168	310838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	601999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	590051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	203957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	240514	54.657	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.320%			
35) Dibromofluoromethane	8.027	113	190016	54.161	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.320%			
50) Toluene-d8	10.443	98	761138	47.240	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.480%			
62) 4-Bromofluorobenzene	12.734	95	256080	43.885	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 87.780%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	1055	0.267	ug/l	97
11) Tert butyl alcohol	5.388	59	191	0.324	ug/l #	71
16) Acetone	4.296	43	80398	50.073	ug/l	93
18) Methyl Acetate	4.867	43	2412	0.524	ug/l #	65
20) Methylene Chloride	5.095	84	2417	0.370	ug/l #	83
25) 2-Butanone	7.348	43	22154	9.511	ug/l	93
28) Bromochloromethane	7.815	49	2755	0.899	ug/l #	22
30) Chloroform	7.815	83	33244	4.671	ug/l	98
31) Cyclohexane	8.086	56	7680	1.183	ug/l #	9
36) 1,1-Dichloropropene	8.091	75	28088	5.044	ug/l #	46
37) Ethyl Acetate	7.348	43	22154	4.227	ug/l #	69
38) Carbon Tetrachloride	8.088	117	34019	6.212	ug/l #	16
40) Benzene	8.466	78	3718	0.226	ug/l	93
43) Isopropyl Acetate	8.630	43	1940	0.222	ug/l #	58
48) Methyl methacrylate	9.563	41	25	2.310	ug/l #	1
51) 4-Methyl-2-Pentanone	10.341	43	1429	12.780	ug/l #	70
53) t-1,3-Dichloropropene	10.451	75	54	2.840	ug/l #	78
54) cis-1,3-Dichloropropene	10.451	75	54	2.362	ug/l #	83
59) 2-Hexanone	11.092	43	3097	13.935	ug/l	73
68) m/p-Xylenes	11.950	106	913	4.156	ug/l	80
70) Styrene	12.280	104	147	2.641	ug/l	100
76) 1,2,3-Trichloropropane	12.734	75	137503	33.570	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	137503	90.033	ug/l #	6
95) Naphthalene	15.507	128	1781	3.316	ug/l #	69

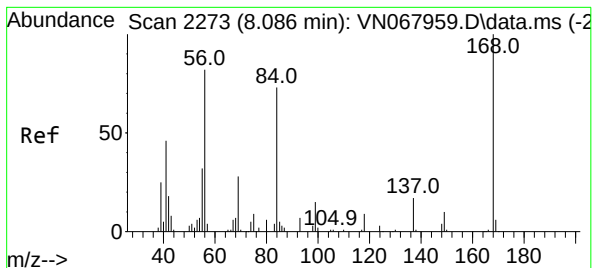
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068104.D

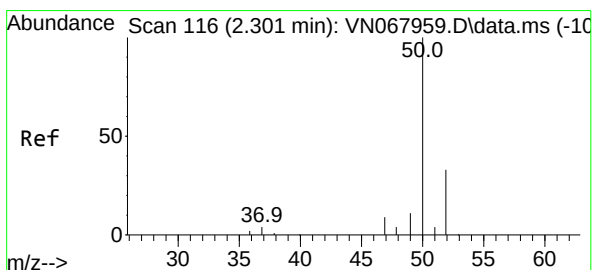
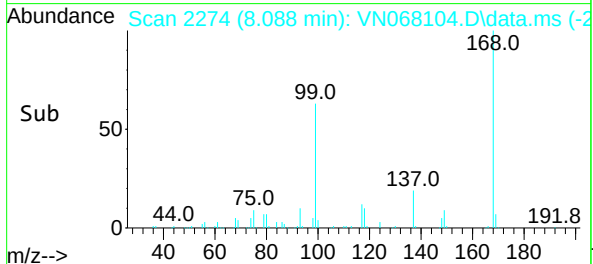
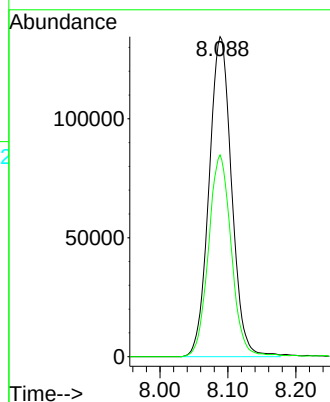
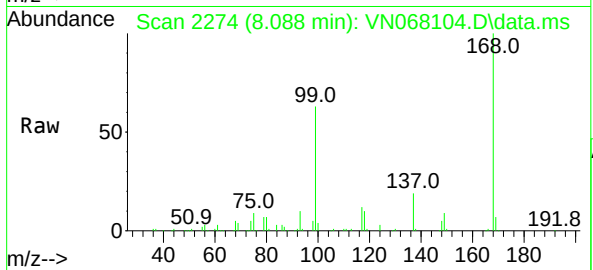
Acq: 12 Aug 2021 21:10

Tgt Ion:168 Resp: 310838

Ion Ratio Lower Upper

168 100

99 63.1 62.9 94.3



#3

Chloromethane

Concen: 0.267 ug/l

RT: 2.306 min Scan# 118

Delta R.T. 0.005 min

Lab File: VN068104.D

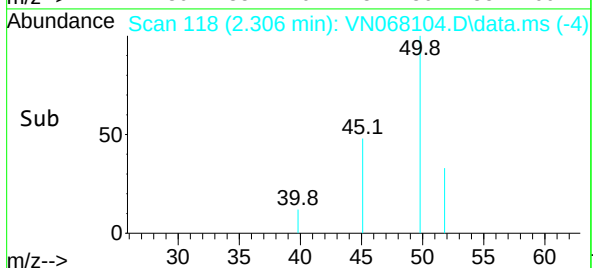
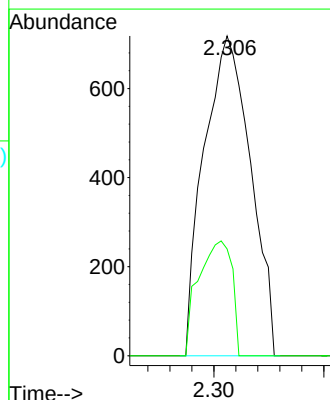
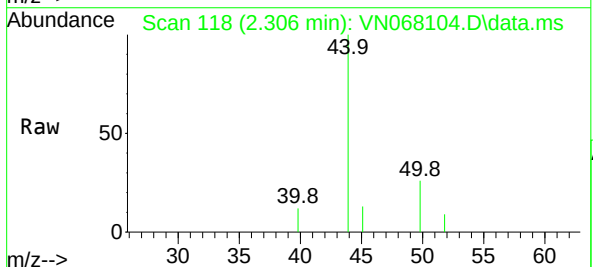
Acq: 12 Aug 2021 21:10

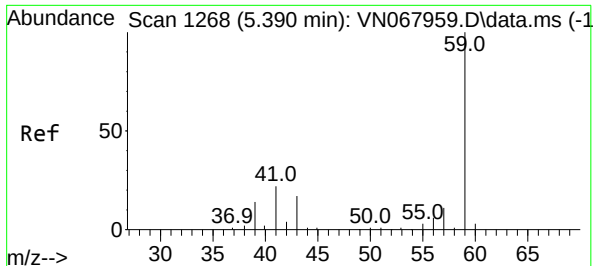
Tgt Ion: 50 Resp: 1055

Ion Ratio Lower Upper

50 100

52 33.4 25.6 38.4



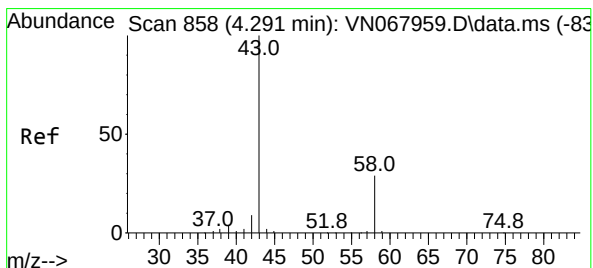
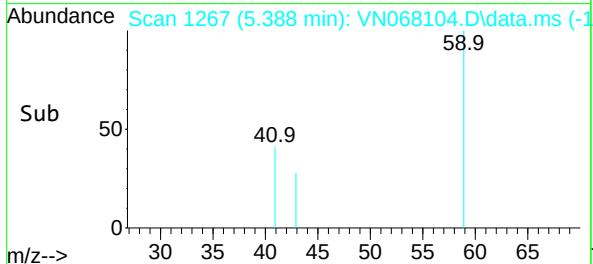
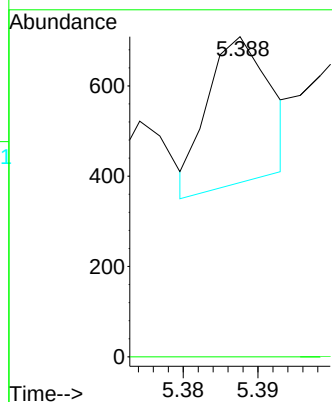
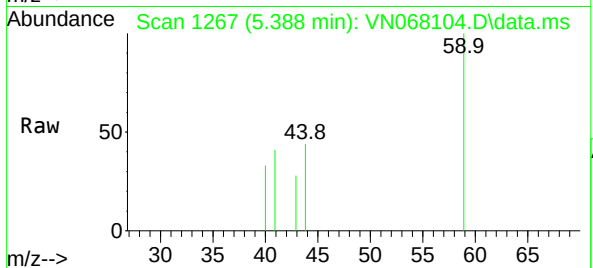


#11

Tert butyl alcohol
Concen: 0.324 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Instrument :
MSVOA_N
ClientSampled :

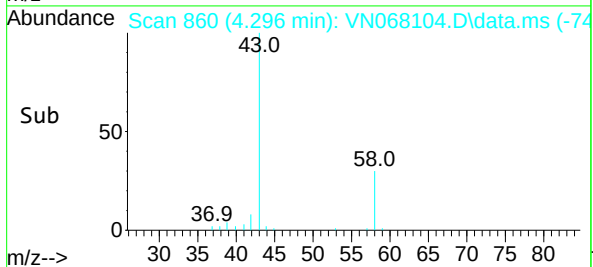
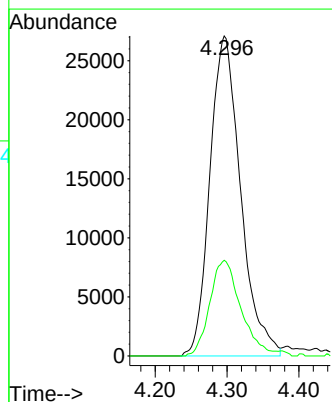
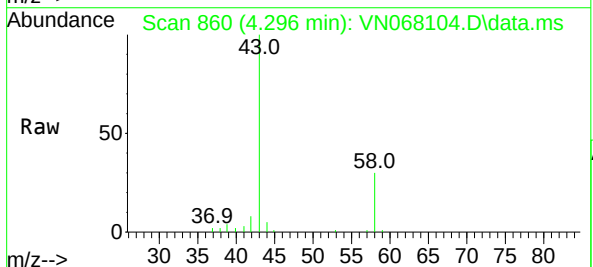
Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

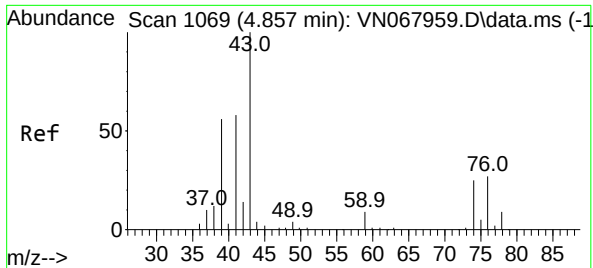


#16

Acetone
Concen: 50.073 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion: 43 Resp: 80398
Ion Ratio Lower Upper
43 100
58 29.9 21.2 31.8





#18

Methyl Acetate

Concen: 0.524 ug/l

RT: 4.867 min Scan# 1073

Delta R.T. 0.010 min

Lab File: VN068104.D

Acq: 12 Aug 2021 21:10

Tgt Ion: 43 Resp: 2412

Ion Ratio Lower Upper

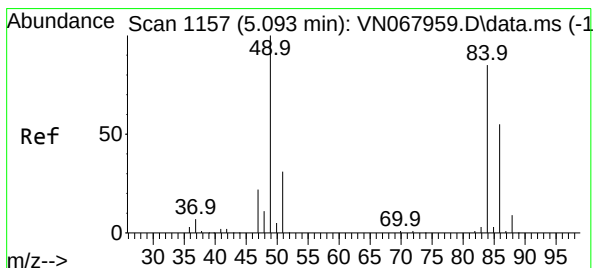
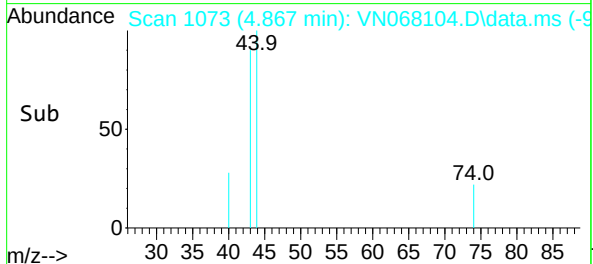
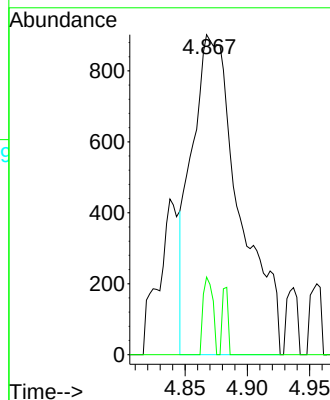
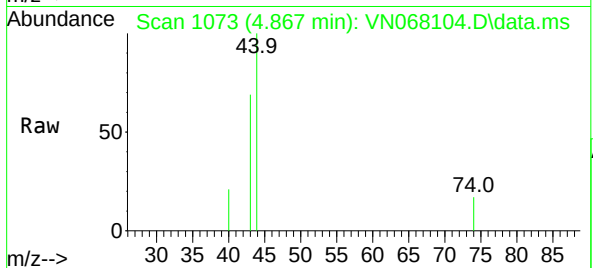
43 100

74 4.9 17.4 26.0#

Instrument :

MSVOA_N

ClientSampleId :



#20

Methylene Chloride

Concen: 0.370 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.002 min

Lab File: VN068104.D

Acq: 12 Aug 2021 21:10

Tgt Ion: 84 Resp: 2417

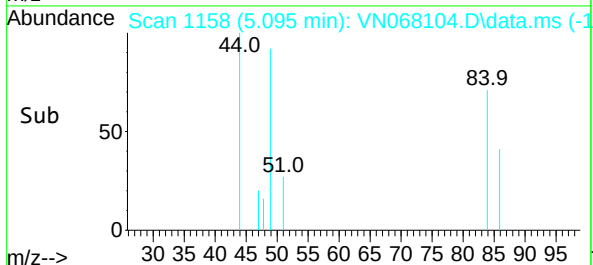
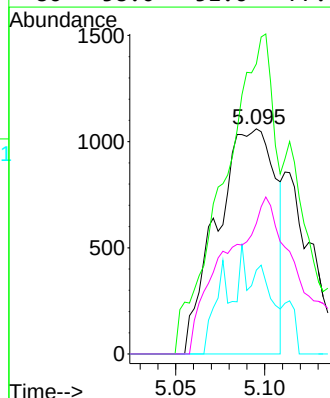
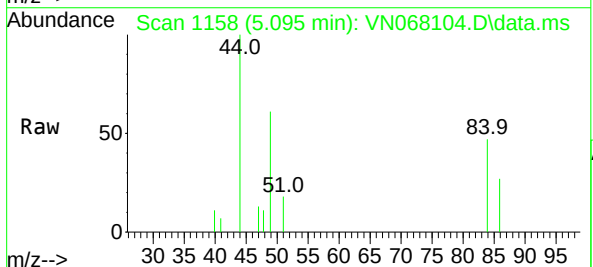
Ion Ratio Lower Upper

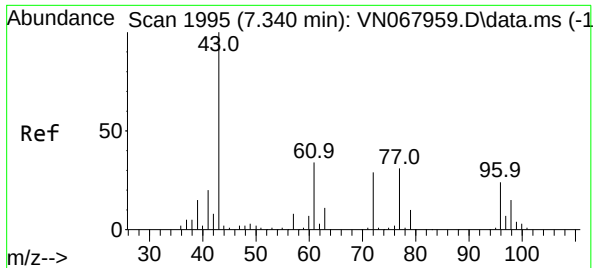
84 100

49 109.2 110.9 166.3#

51 37.3 32.6 49.0

86 58.0 51.6 77.4

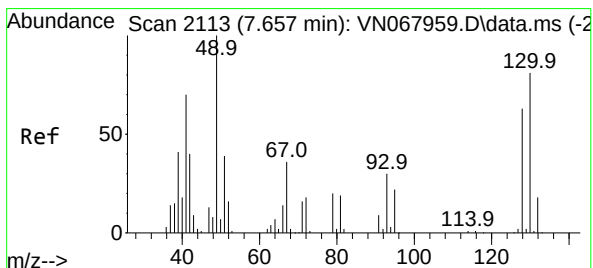
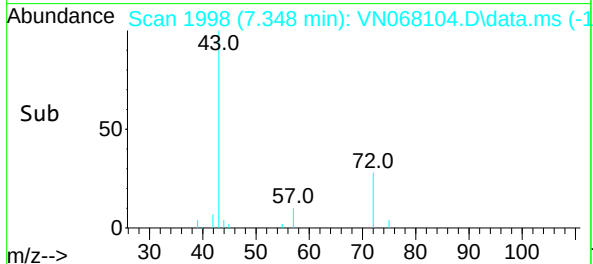
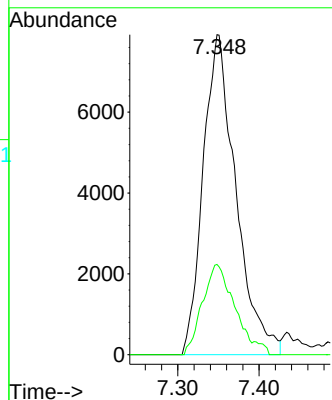
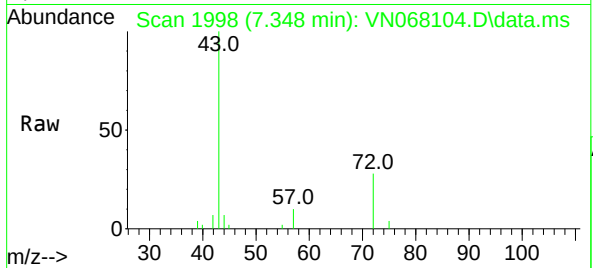




#25
2-Butanone
Concen: 9.511 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

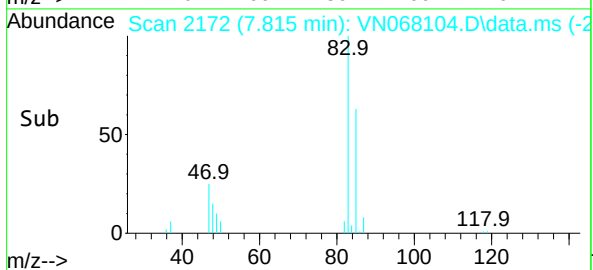
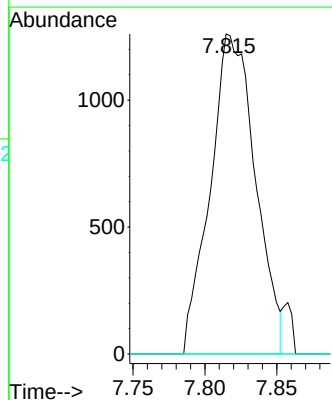
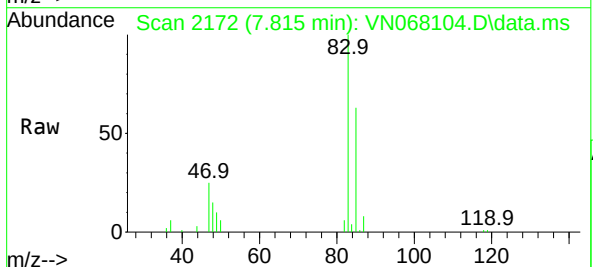
Instrument :
MSVOA_N
ClientSampled :

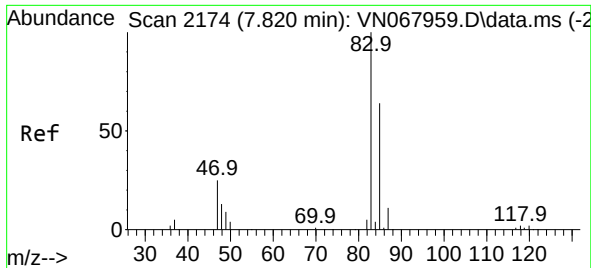
Tgt Ion: 43 Resp: 22154
Ion Ratio Lower Upper
43 100
72 28.2 19.7 29.5



#28
Bromochloromethane
Concen: 0.899 ug/l
RT: 7.815 min Scan# 2172
Delta R.T. 0.158 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion: 49 Resp: 2755
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 49.7 74.5#

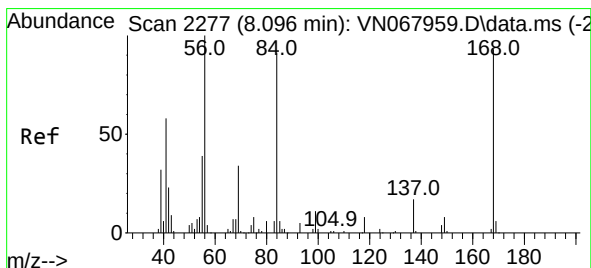
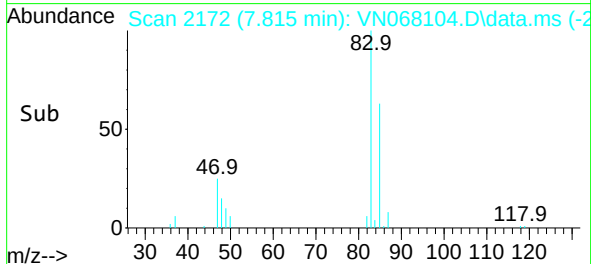
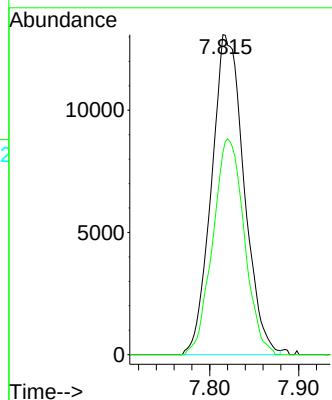
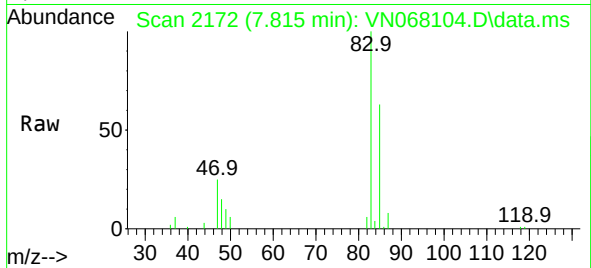




#30
Chloroform
Concen: 4.671 ug/l
RT: 7.815 min Scan# 2172
Delta R.T. -0.005 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

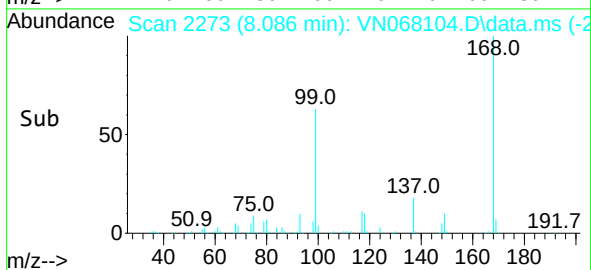
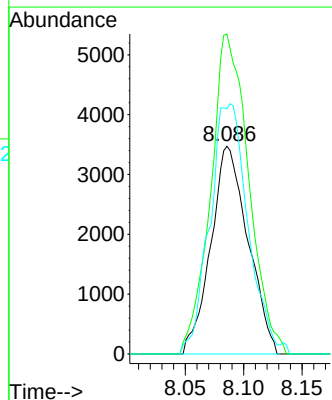
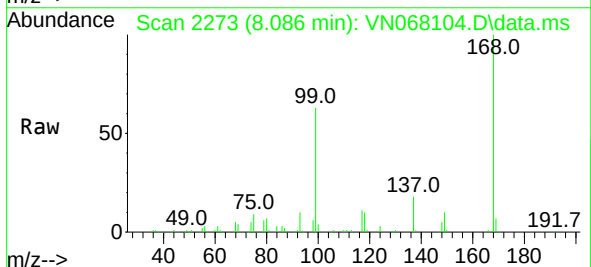
Instrument :
MSVOA_N
ClientSampled :

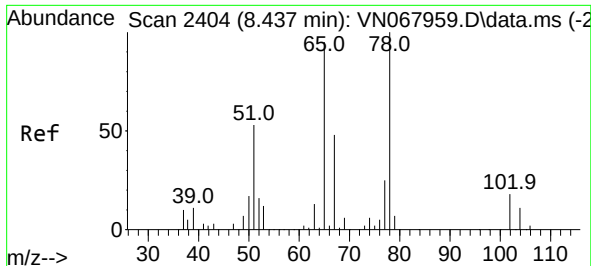
Tgt Ion: 83 Resp: 33244
Ion Ratio Lower Upper
83 100
85 63.2 51.5 77.3



#31
Cyclohexane
Concen: 1.183 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion: 56 Resp: 7680
Ion Ratio Lower Upper
56 100
69 154.1 27.3 40.9#
84 118.0 64.9 97.3#

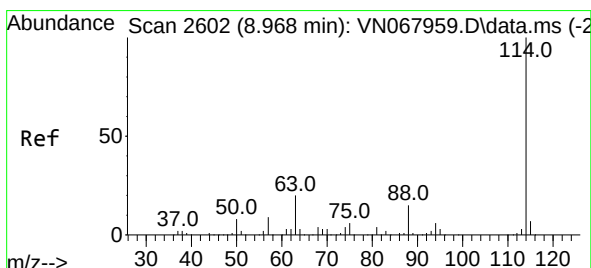
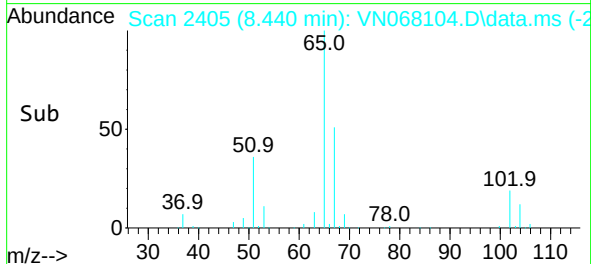
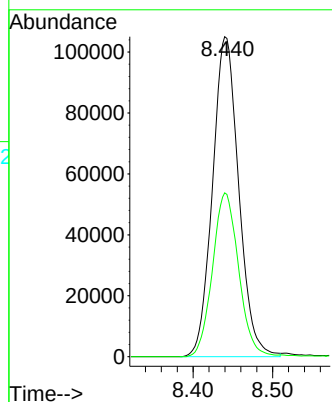
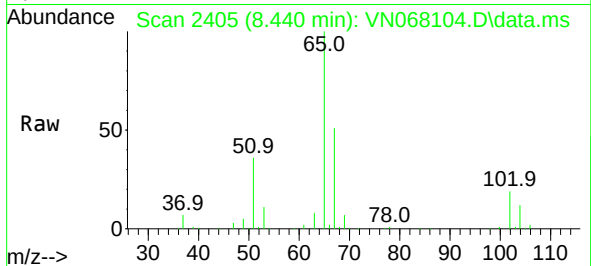




#33
1,2-Dichloroethane-d4
Concen: 54.657 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

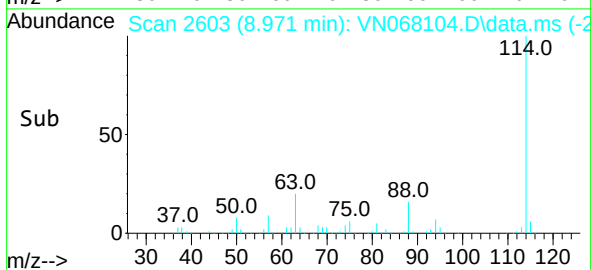
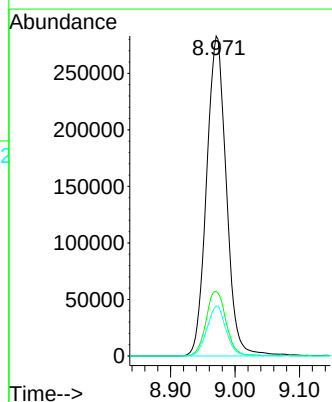
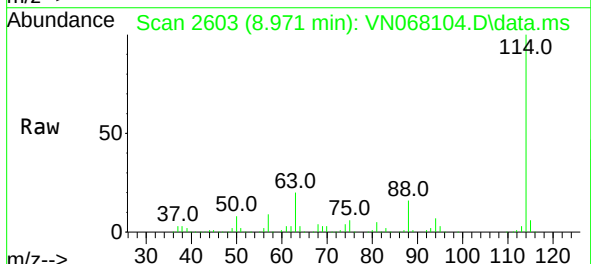
Instrument :
MSVOA_N
ClientSampled :

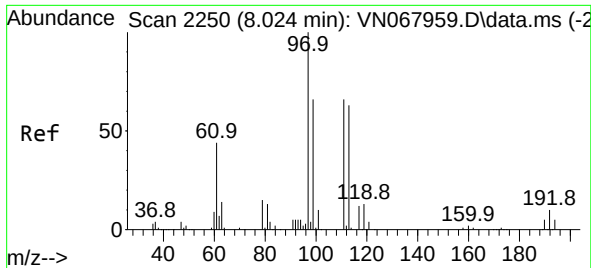
Tgt Ion: 65 Resp: 240514
Ion Ratio Lower Upper
65 100
67 50.9 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion: 114 Resp: 601999
Ion Ratio Lower Upper
114 100
63 20.1 0.0 49.0
88 15.7 0.0 36.6

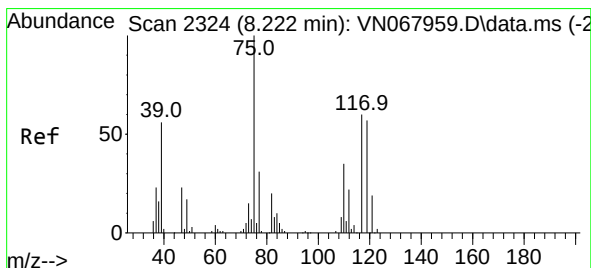
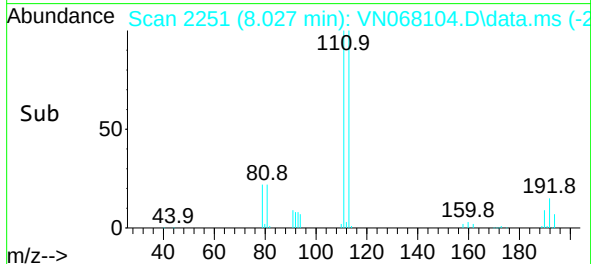
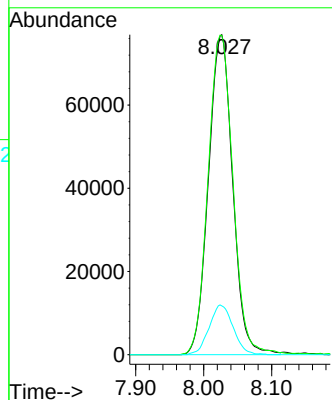
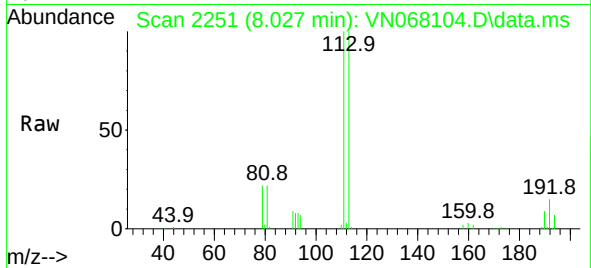




#35
Dibromofluoromethane
Concen: 54.161 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

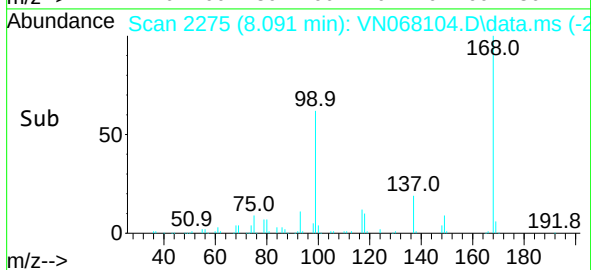
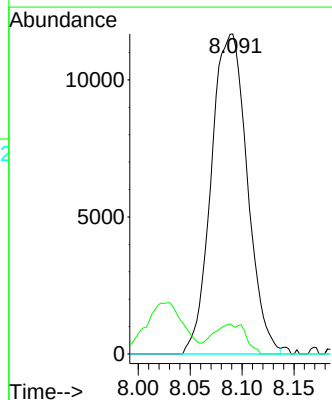
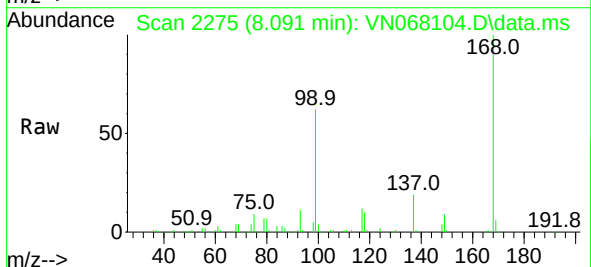
Instrument :
MSVOA_N
ClientSampled :

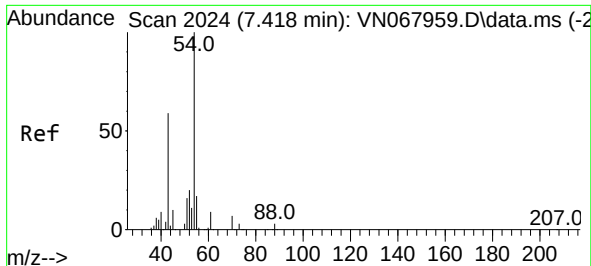
Tgt Ion:113 Resp: 190016
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 15.4 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.044 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion: 75 Resp: 28088
Ion Ratio Lower Upper
75 100
110 3.2 15.7 47.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 4.227 ug/l

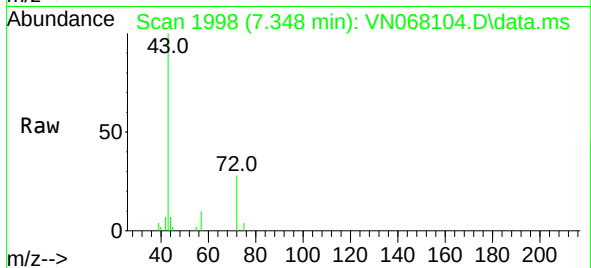
RT: 7.348 min Scan# 1998

Delta R.T. -0.070 min

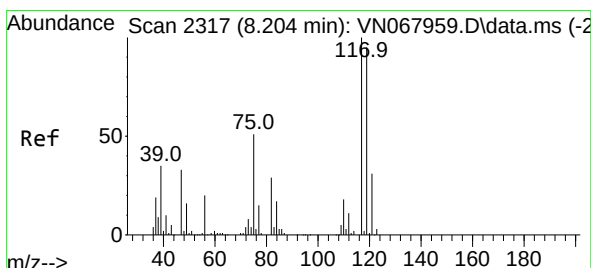
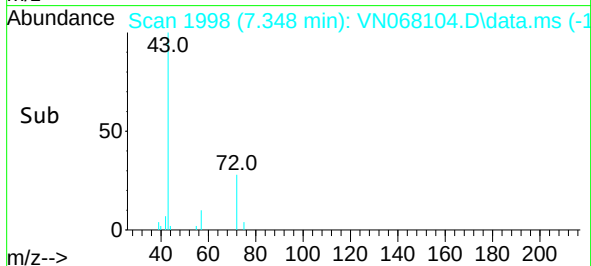
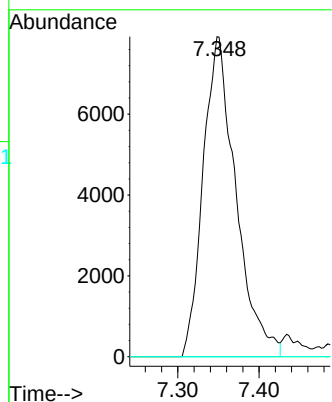
Lab File: VN068104.D

Acq: 12 Aug 2021 21:10

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	22154
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 6.212 ug/l

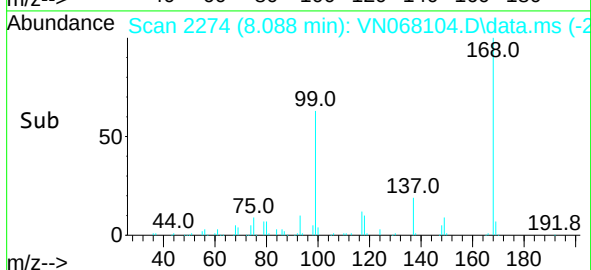
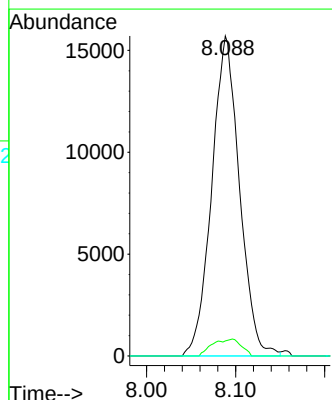
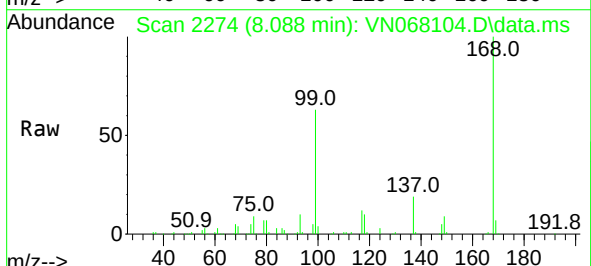
RT: 8.088 min Scan# 2274

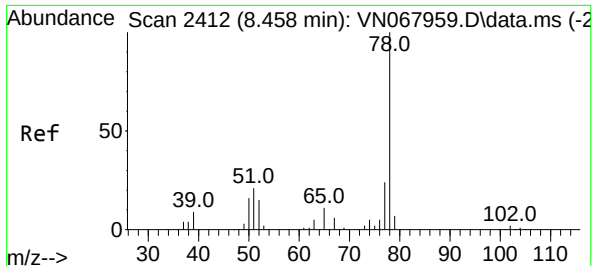
Delta R.T. -0.116 min

Lab File: VN068104.D

Acq: 12 Aug 2021 21:10

Tgt Ion:	117	Resp:	34019
Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.4	113.2#
121	0.0	23.5	35.3#

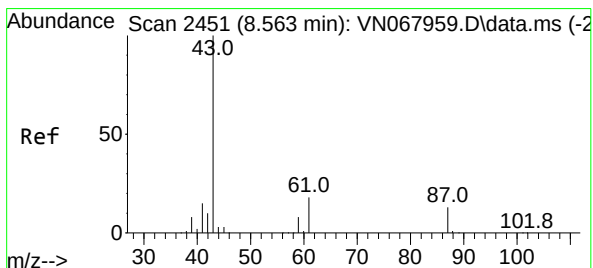
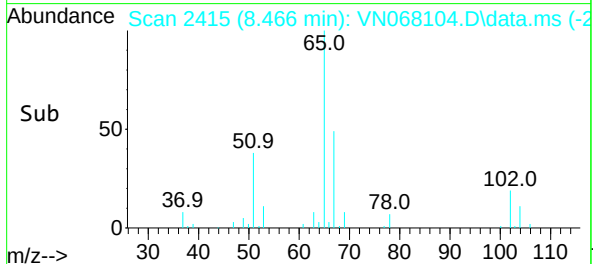
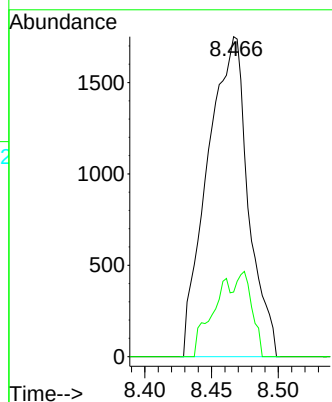
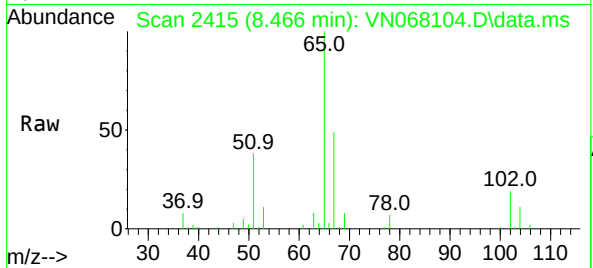




#40
Benzene
Concen: 0.226 ug/l
RT: 8.466 min Scan# 2415
Delta R.T. 0.008 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

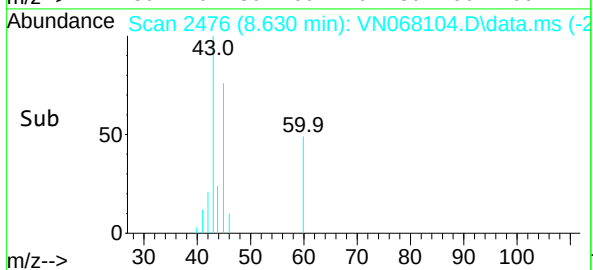
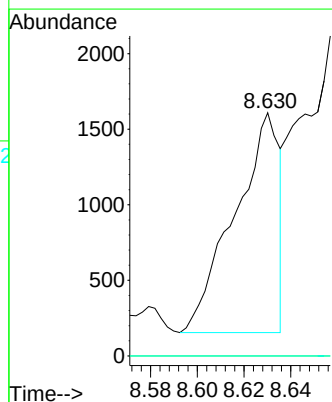
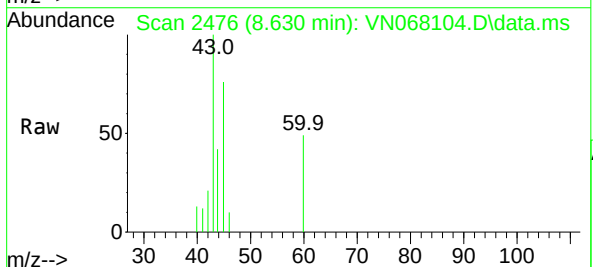
Instrument :
MSVOA_N
ClientSampled :

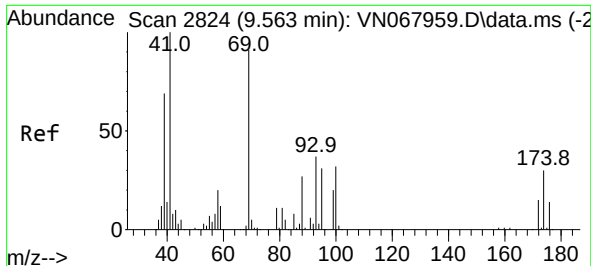
Tgt Ion: 78 Resp: 3718
Ion Ratio Lower Upper
78 100
77 20.2 18.9 28.3



#43
Isopropyl Acetate
Concen: 0.222 ug/l
RT: 8.630 min Scan# 2476
Delta R.T. 0.067 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion: 43 Resp: 1940
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

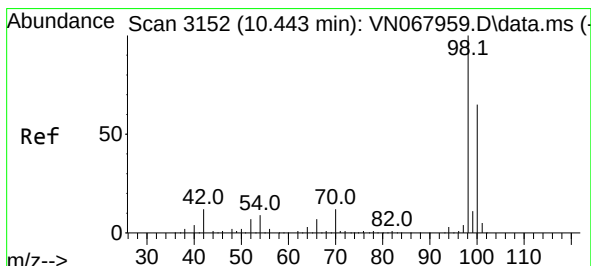
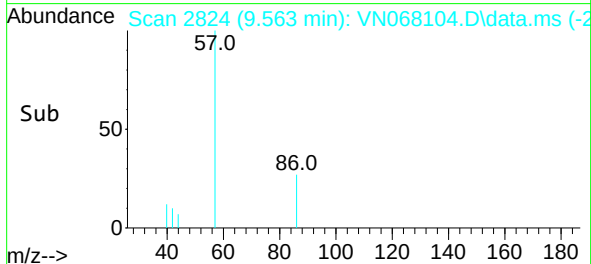
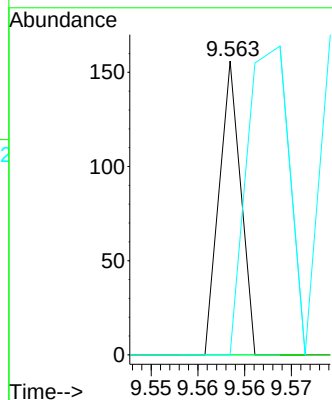
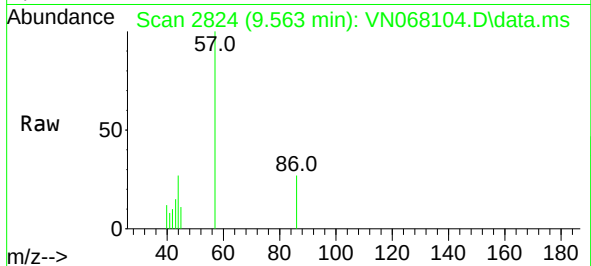




#48
Methyl methacrylate
Concen: 2.310 ug/l
RT: 9.563 min Scan# 2824
Delta R.T. 0.000 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

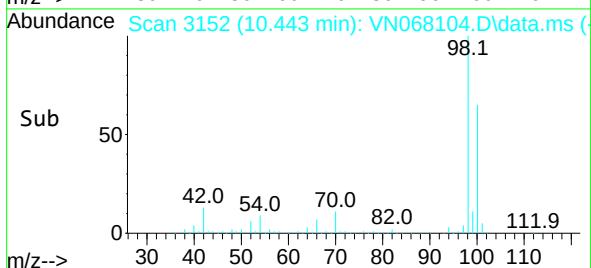
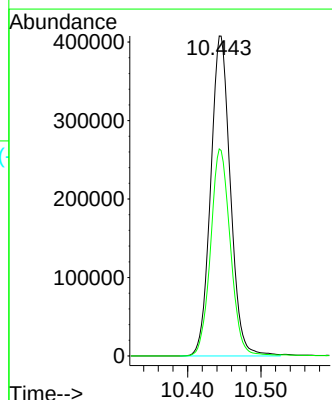
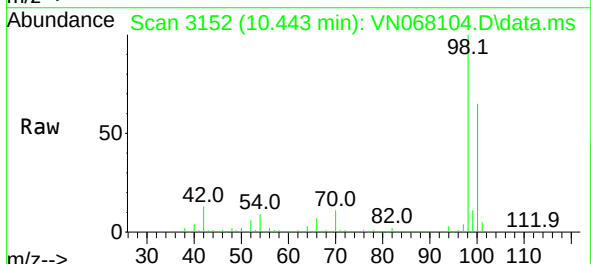
Instrument :
MSVOA_N
ClientSampled :

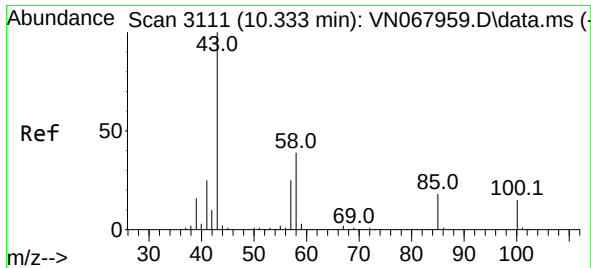
Tgt Ion: 41 Resp: 25
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 204.0 53.3 79.9#



#50
Toluene-d8
Concen: 47.240 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion: 98 Resp: 761138
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5

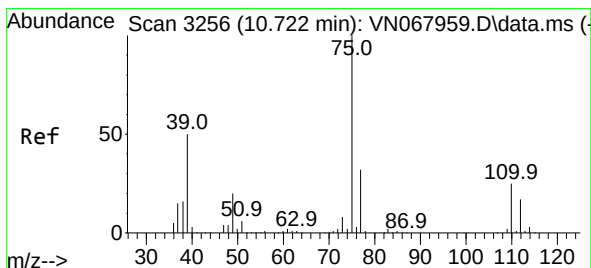
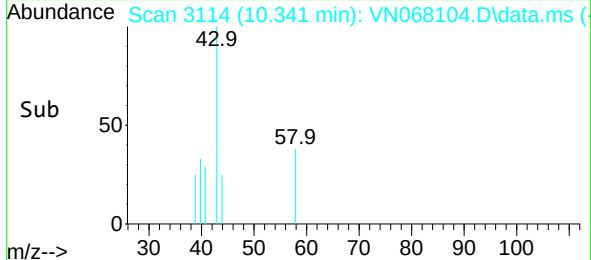
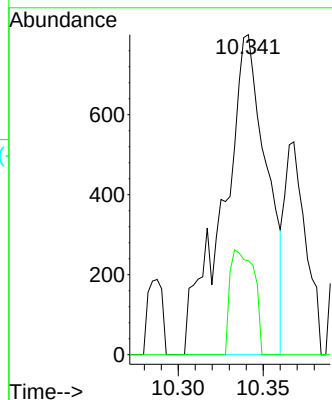
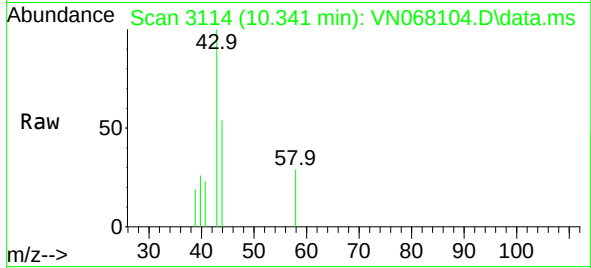




#51
4-Methyl-2-Pentanone
Concen: 12.780 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

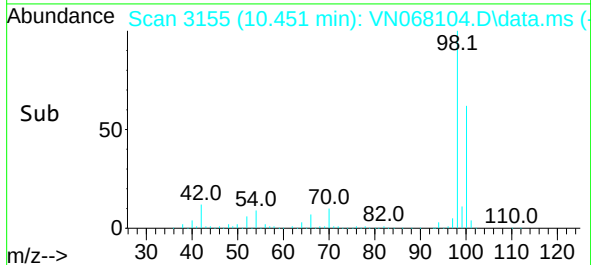
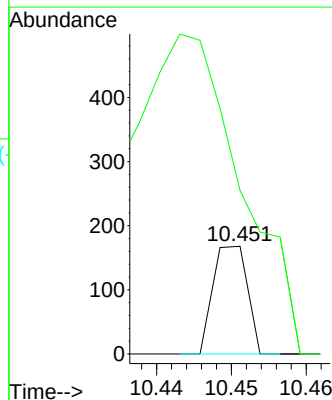
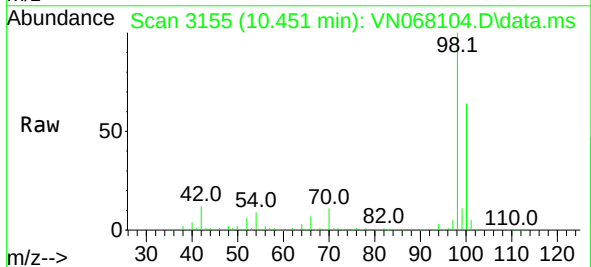
Instrument :
MSVOA_N
ClientSampled :

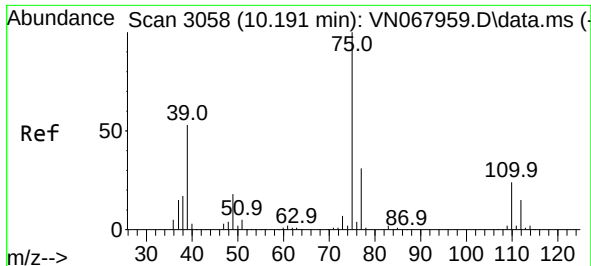
Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
58 18.0 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.840 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.271 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion: 75 Resp: 54
Ion Ratio Lower Upper
75 100
77 43.5 25.1 37.7#

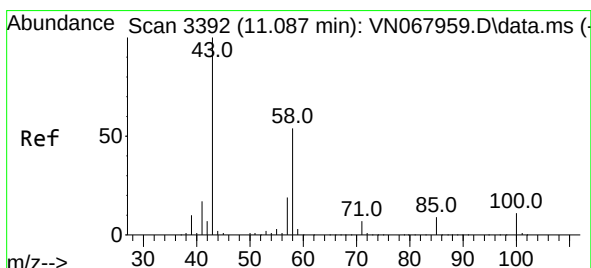
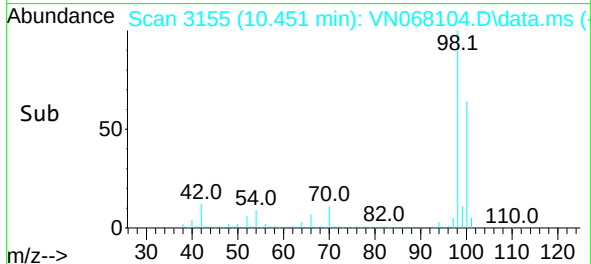
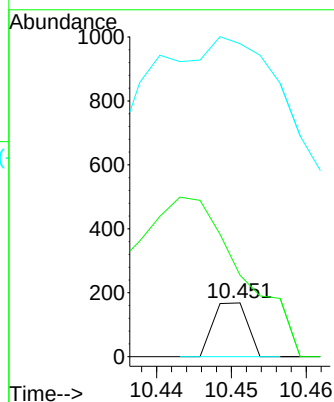
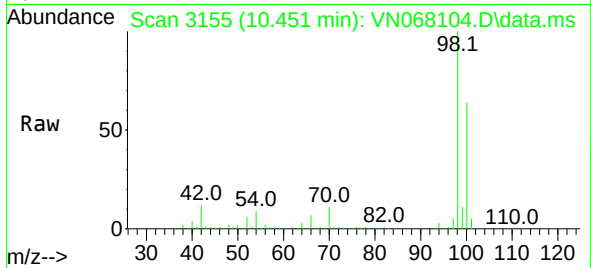




#54
 cis-1,3-Dichloropropene
 Concen: 2.362 ug/l
 RT: 10.451 min Scan# 3155
 Delta R.T. 0.260 min
 Lab File: VN068104.D
 Acq: 12 Aug 2021 21:10

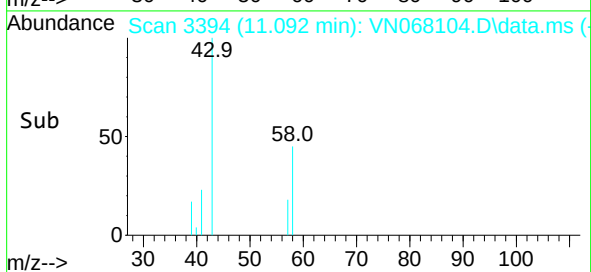
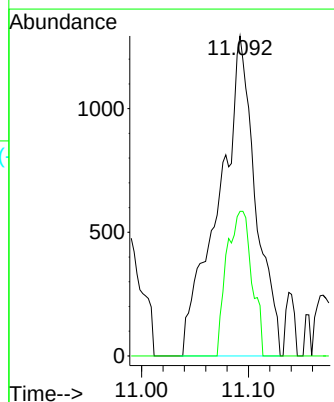
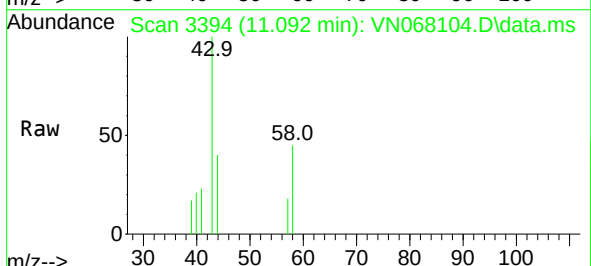
Instrument :
 MSVOA_N
 ClientSampled :

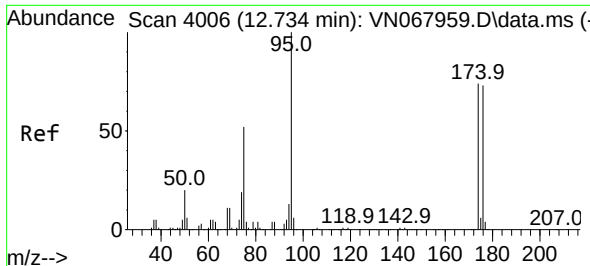
Tgt Ion: 75 Resp: 54
 Ion Ratio Lower Upper
 75 100
 77 43.5 24.6 37.0#
 39 73.8 50.7 76.1



#59
 2-Hexanone
 Concen: 13.935 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.005 min
 Lab File: VN068104.D
 Acq: 12 Aug 2021 21:10

Tgt Ion: 43 Resp: 3097
 Ion Ratio Lower Upper
 43 100
 58 30.9 24.7 74.1

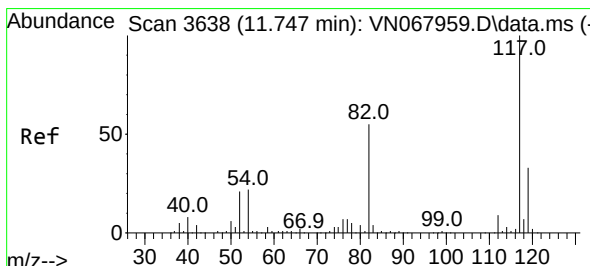
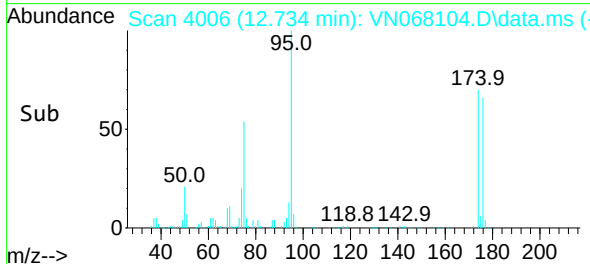
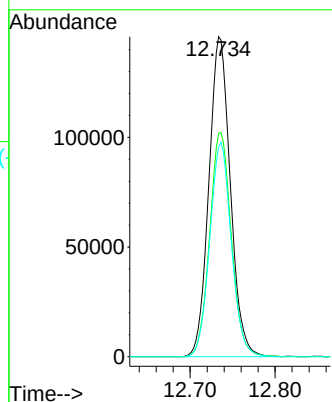
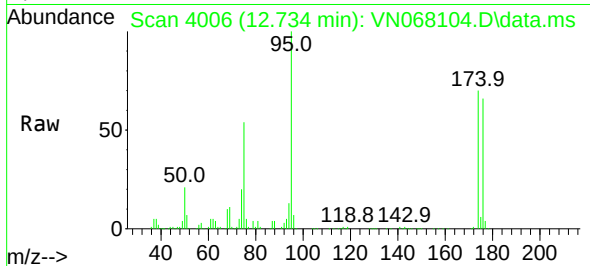




#62
4-Bromofluorobenzene
Concen: 43.885 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

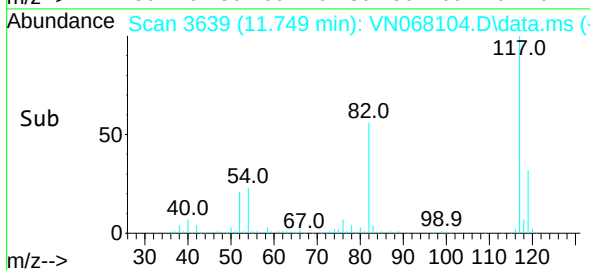
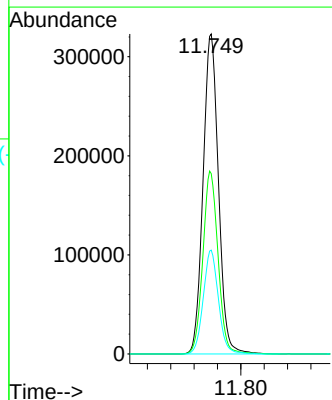
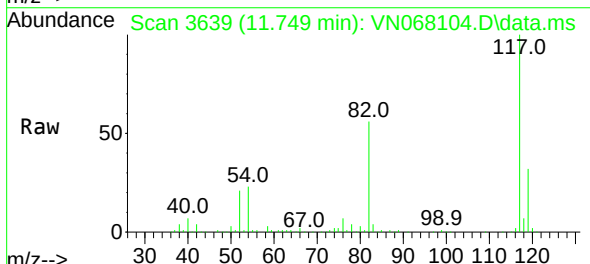
Instrument :
MSVOA_N
ClientSampled :

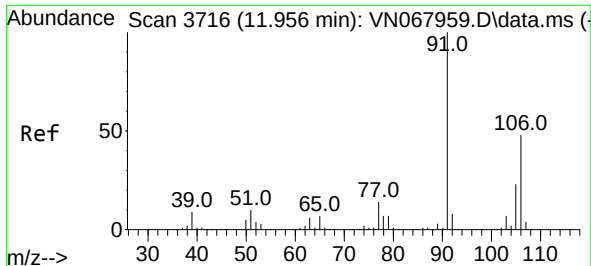
Tgt Ion: 95 Resp: 256080
Ion Ratio Lower Upper
95 100
174 70.9 0.0 122.0
176 67.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion: 117 Resp: 590051
Ion Ratio Lower Upper
117 100
82 56.4 53.1 79.7
119 32.5 25.5 38.3

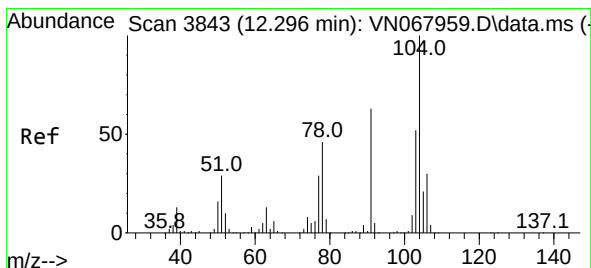
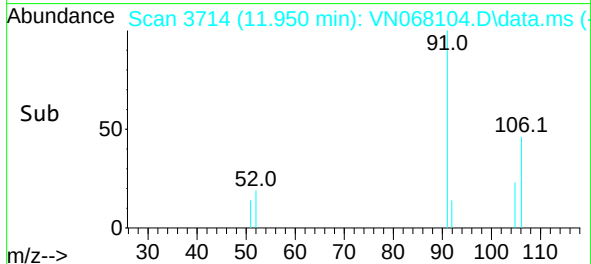
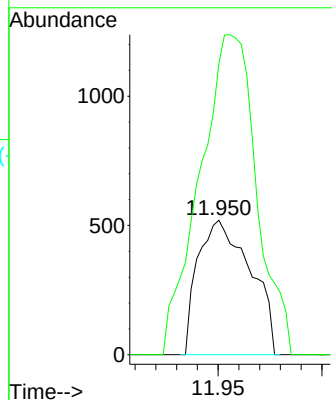
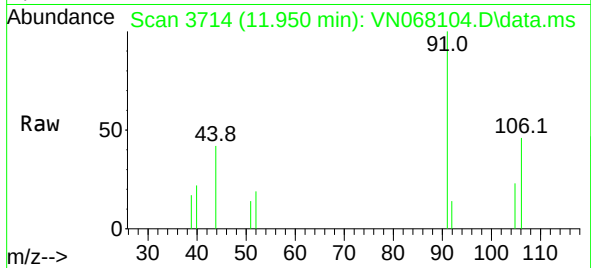




#68
m/p-Xylenes
Concen: 4.156 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

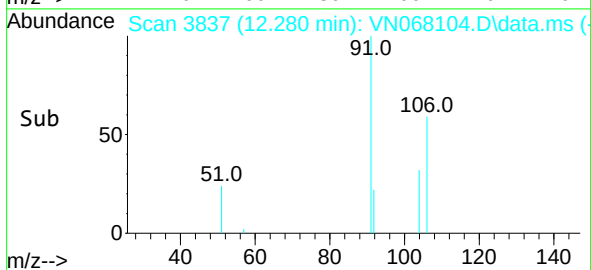
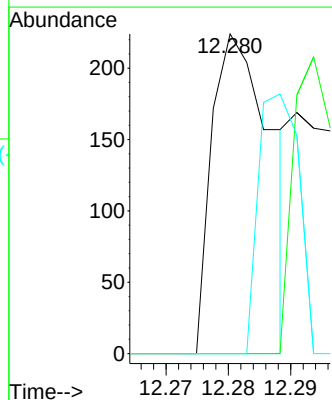
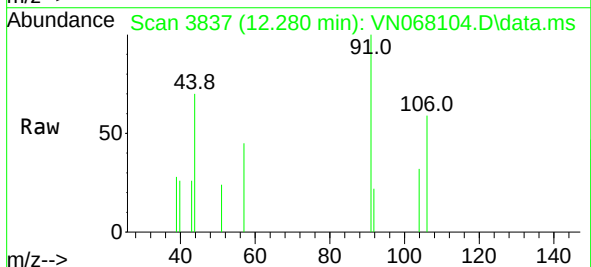
Instrument :
MSVOA_N
ClientSampled :

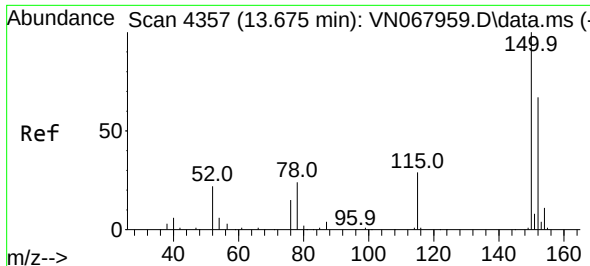
Tgt Ion:106 Resp: 913
Ion Ratio Lower Upper
106 100
91 258.1 180.6 270.8



#70
Styrene
Concen: 2.641 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.016 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion:104 Resp: 147
Ion Ratio Lower Upper
104 100
78 59.9 48.2 72.2
103 55.8 44.5 66.7

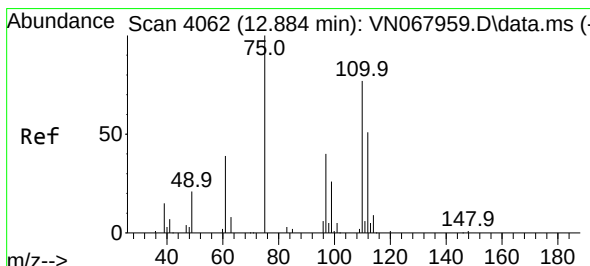
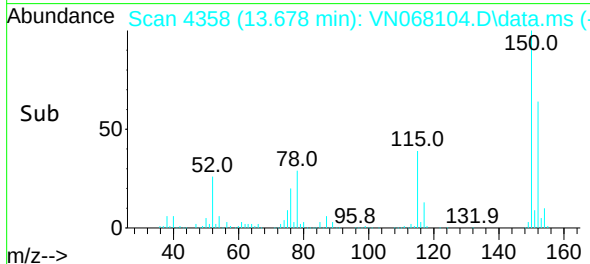
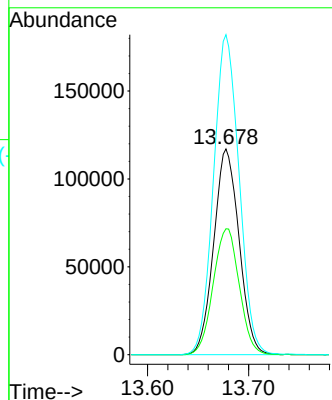
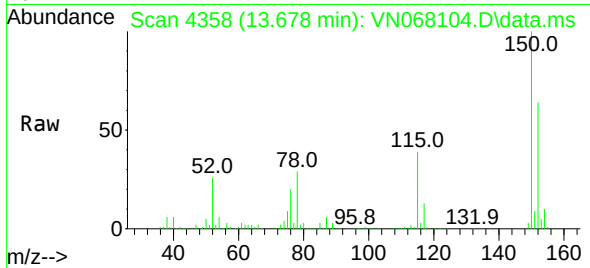




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068104.D
 Acq: 12 Aug 2021 21:10

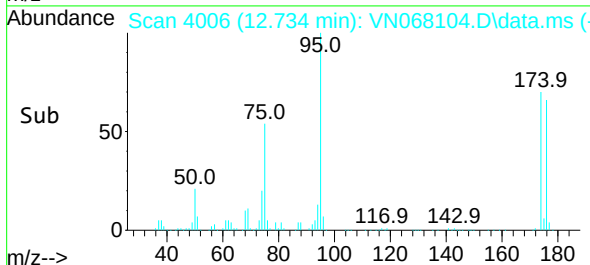
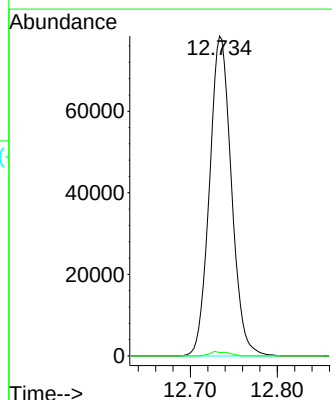
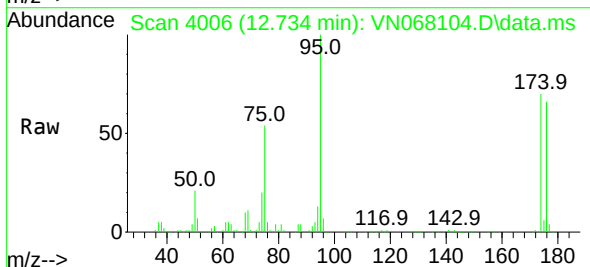
Instrument :
 MSVOA_N
 ClientSampled :

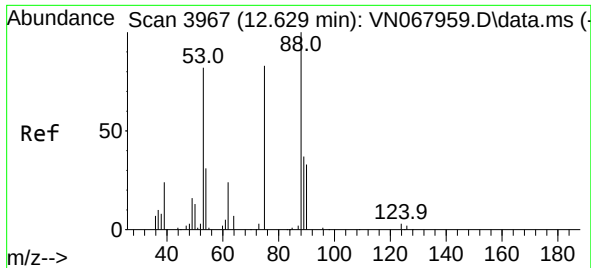
Tgt Ion:152 Resp: 203957
 Ion Ratio Lower Upper
 152 100
 115 63.0 36.1 108.5
 150 156.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.570 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN068104.D
 Acq: 12 Aug 2021 21:10

Tgt Ion: 75 Resp: 137503
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#

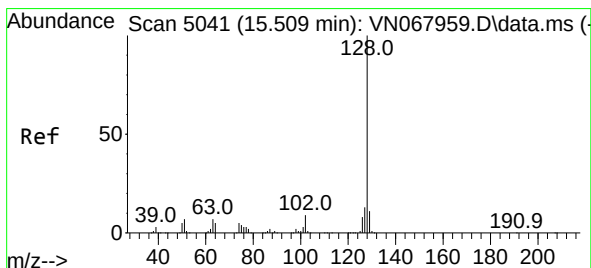
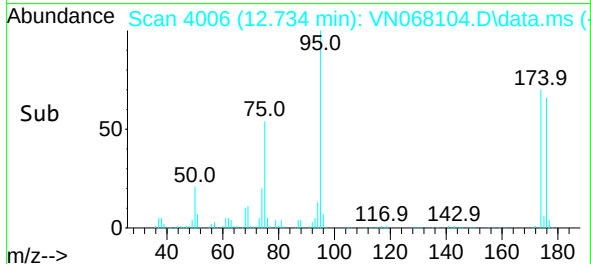
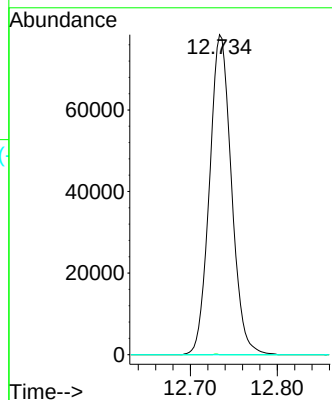
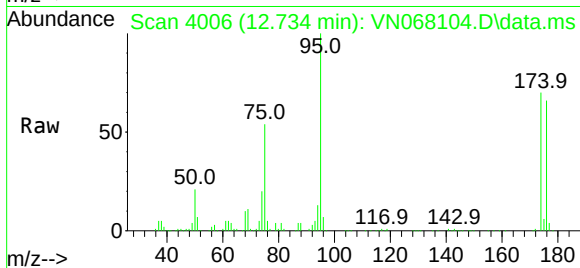




#81
trans-1,4-Dichloro-2-butene
Concen: 90.033 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 137503
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.316 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068104.D
Acq: 12 Aug 2021 21:10

Tgt Ion:128 Resp: 1781
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

