

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060521\
 Data File : VN067240.D
 Acq On : 5 Jun 2021 19:10
 Operator : JC/MD
 Sample : M2603-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FAM4-WC2

Quant Time: Jun 07 01:18:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 04 19:00:20 2021
 Response via : Initial Calibration

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

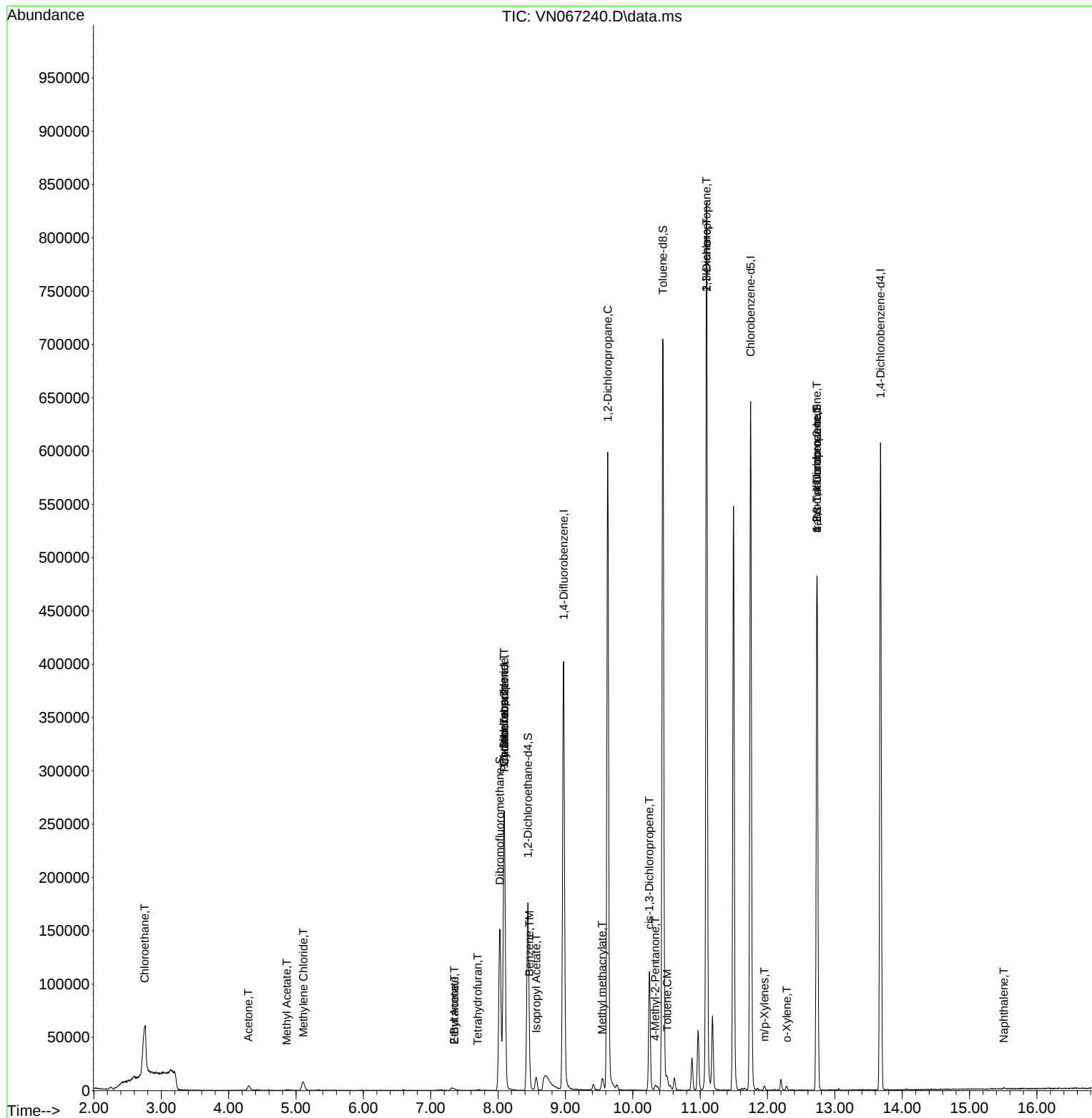
Internal Standards						
1) Pentafluorobenzene	8.094	168	205824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	367523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	364368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	153848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	138029	49.197	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.400%		
35) Dibromofluoromethane	8.027	113	108228	47.502	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.000%		
50) Toluene-d8	10.446	98	492178	53.041	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.080%		
62) 4-Bromofluorobenzene	12.733	95	156595	43.817	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.640%		
Target Compounds						
					Qvalue	
6) Chloroethane	2.754	64	6978	2.721	ug/l #	61
16) Acetone	4.293	43	3415	3.528	ug/l	97
18) Methyl Acetate	4.862	43	729	0.266	ug/l #	48
20) Methylene Chloride	5.109	84	6526	2.677	ug/l	90
25) 2-Butanone	7.351	43	2481	1.600	ug/l #	80
29) Tetrahydrofuran	7.697	42	259	0.281	ug/l #	28
31) Cyclohexane	8.091	56	5297	1.406	ug/l #	42
36) 1,1-Dichloropropene	8.088	75	16712	4.924	ug/l #	47
37) Ethyl Acetate	7.351	43	2481	0.758	ug/l #	65
38) Carbon Tetrachloride	8.091	117	20422	5.509	ug/l #	15
40) Benzene	8.464	78	3212	0.305	ug/l	92
43) Isopropyl Acetate	8.568	43	14738	2.369	ug/l #	83
45) 1,2-Dichloropropane	9.630	63	588	0.224	ug/l #	45
48) Methyl methacrylate	9.544	41	3476	1.289	ug/l #	9
51) 4-Methyl-2-Pentanone	10.336	43	2824	0.774	ug/l	90
52) Toluene	10.510	92	3712	0.534	ug/l	92
54) cis-1,3-Dichloropropene	10.245	75	20696	4.604	ug/l #	69
57) 1,3-Dichloropropane	11.095	76	8471	1.949	ug/l #	42
59) 2-Hexanone	11.095	43	130888	49.393	ug/l #	44
68) m/p-Xylenes	11.956	106	1421	0.253	ug/l	92
69) o-Xylene	12.285	106	1165	0.213	ug/l	82
76) 1,2,3-Trichloropropane	12.733	75	87738	29.655	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	87738	72.558	ug/l #	15
95) Naphthalene	15.507	128	1493	4.623	ug/l #	69

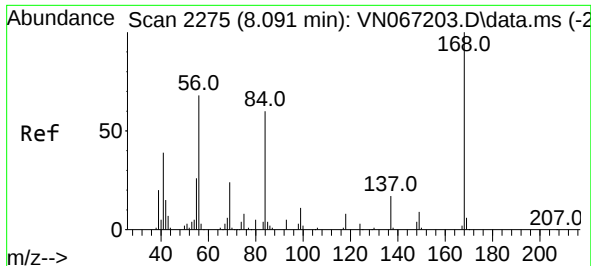
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 5 Jun 2021 19:10
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Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC2

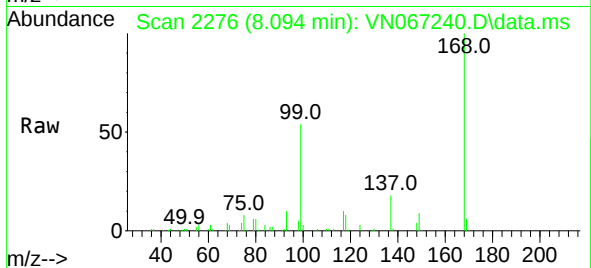
Quant Time: Jun 07 01:18:15 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 04 19:00:20 2021
Response via : Initial Calibration



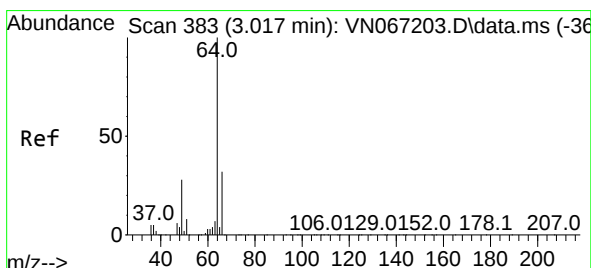
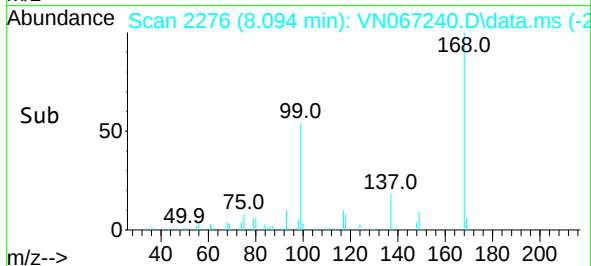
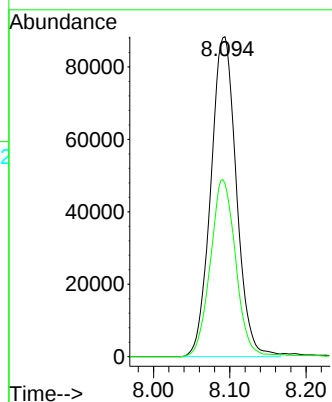


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.003 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Instrument :
MSVOA_N
ClientSampled :
FAM4-WC2

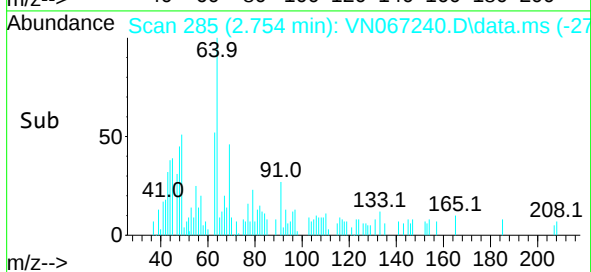
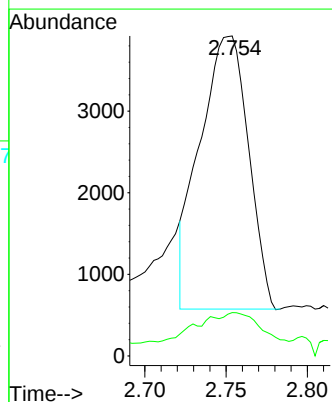
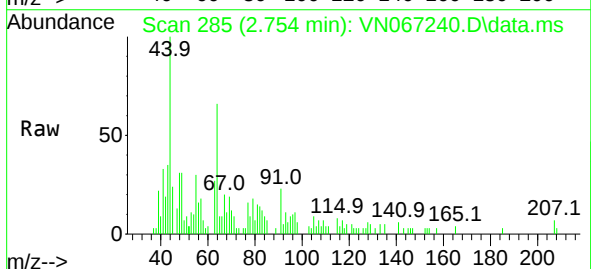


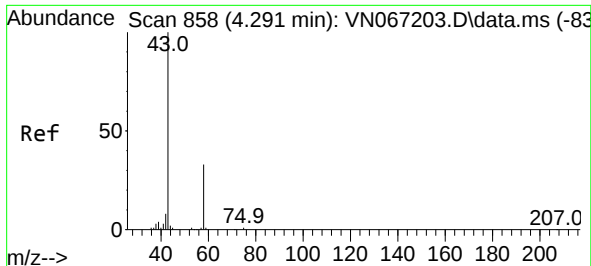
Tgt Ion:168 Resp: 205824
Ion Ratio Lower Upper
168 100
99 54.1 38.5 57.7



#6
Chloroethane
Concen: 2.721 ug/l
RT: 2.754 min Scan# 285
Delta R.T. -0.263 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion: 64 Resp: 6978
Ion Ratio Lower Upper
64 100
66 9.9 25.0 37.6#

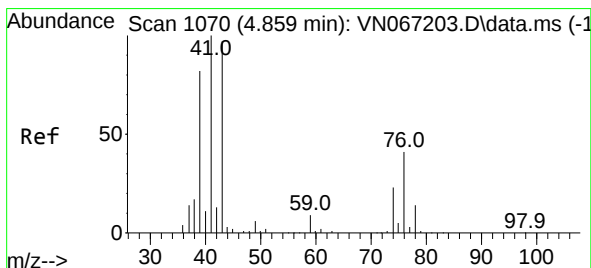
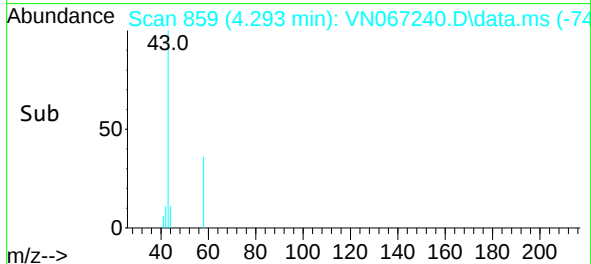
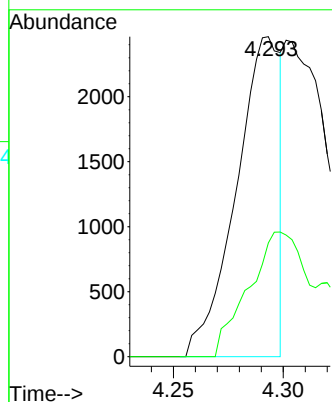
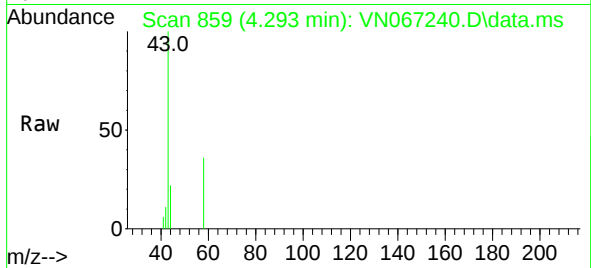




#16
Acetone
Concen: 3.528 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

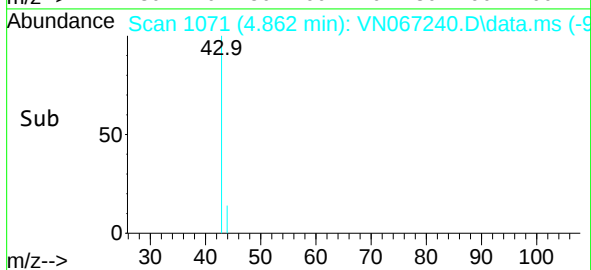
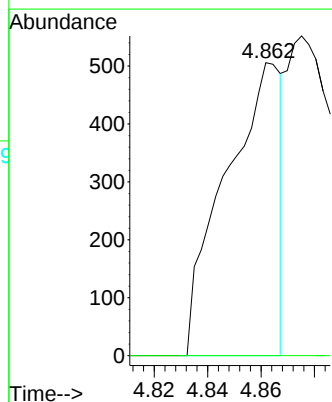
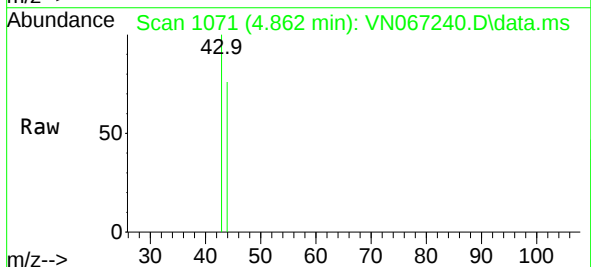
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC2

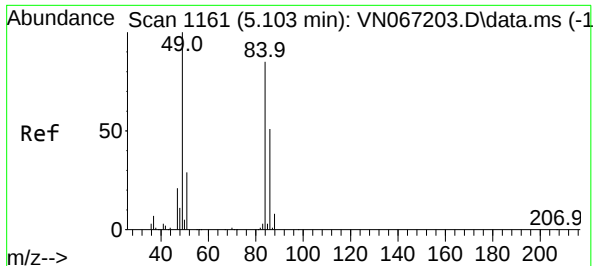
Tgt Ion: 43 Resp: 3415
Ion Ratio Lower Upper
43 100
58 35.5 27.2 40.8



#18
Methyl Acetate
Concen: 0.266 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.003 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

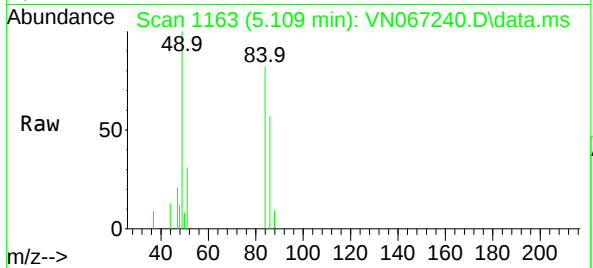
Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.2#



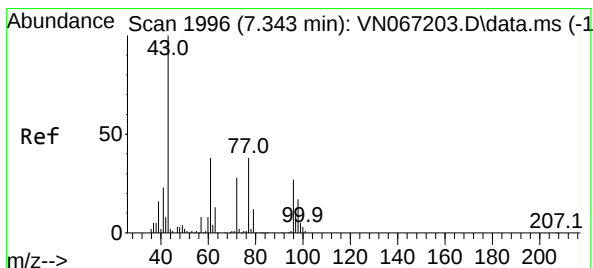
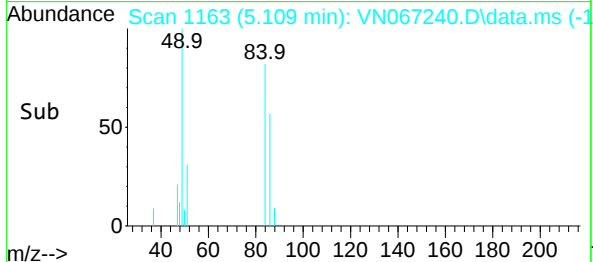
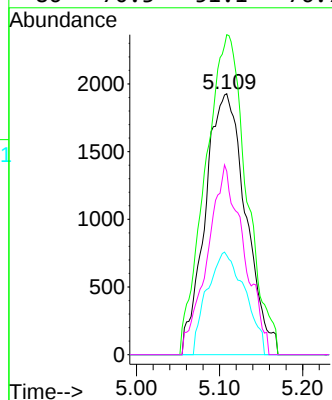


#20
Methylene Chloride
Concen: 2.677 ug/l
RT: 5.109 min Scan# 1163
Delta R.T. 0.005 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

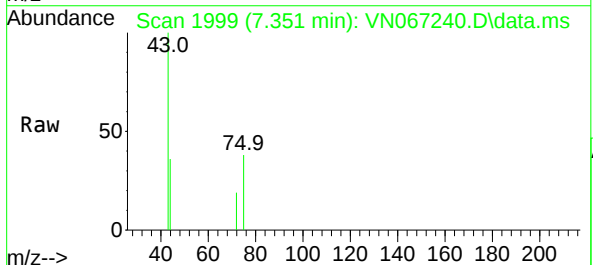
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC2



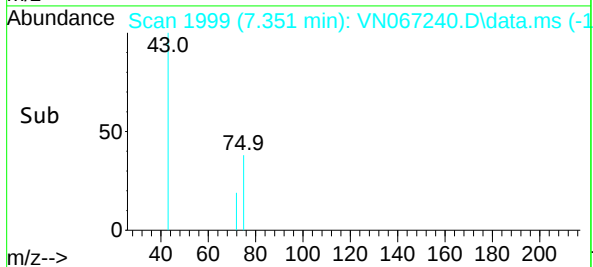
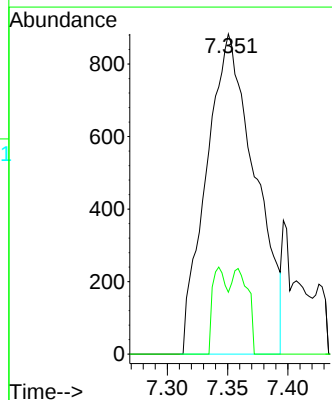
Tgt Ion:	84	Resp:	6526
Ion	Ratio	Lower	Upper
84	100		
49	122.6	88.3	132.5
51	38.0	26.7	40.1
86	70.3	51.1	76.7

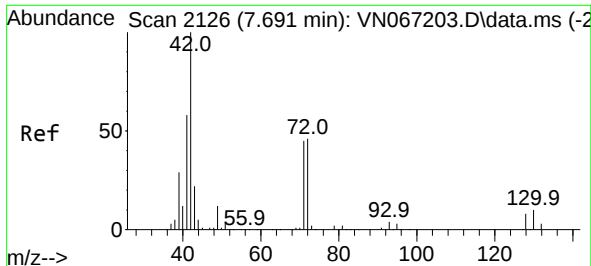


#25
2-Butanone
Concen: 1.600 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.008 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10



Tgt Ion:	43	Resp:	2481
Ion	Ratio	Lower	Upper
43	100		
72	19.4	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.281 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.006 min

Lab File: VN067240.D

Acq: 5 Jun 2021 19:10

Tgt Ion: 42 Resp: 259

Ion Ratio Lower Upper

42 100

72 0.0 40.1 60.1#

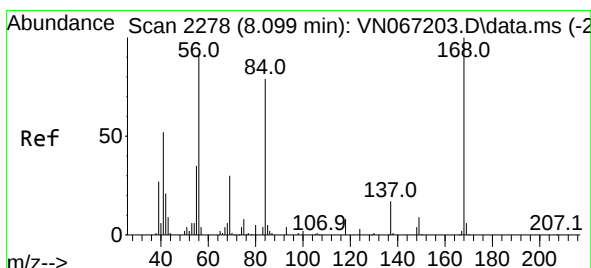
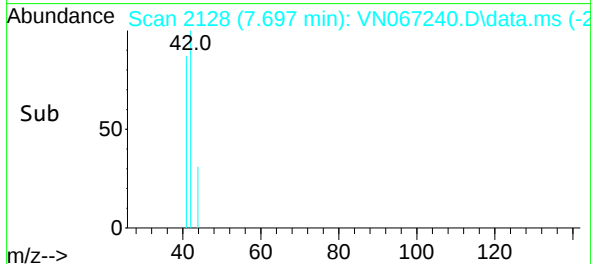
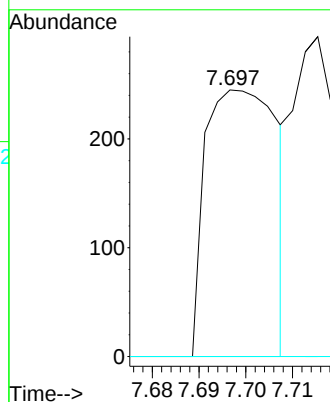
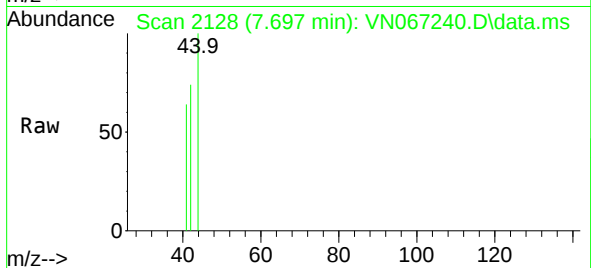
71 0.0 37.9 56.9#

Instrument :

MSVOA_N

ClientSampleId :

FAM4-WC2



#31

Cyclohexane

Concen: 1.406 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.008 min

Lab File: VN067240.D

Acq: 5 Jun 2021 19:10

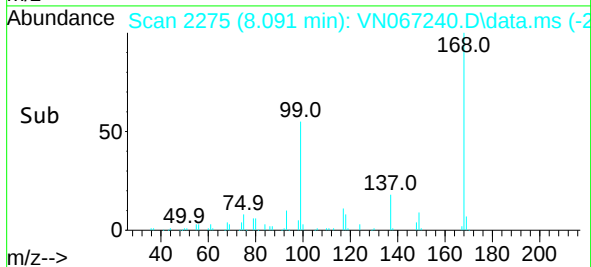
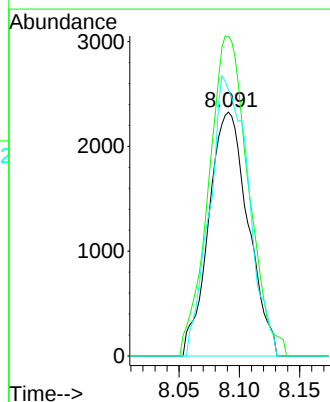
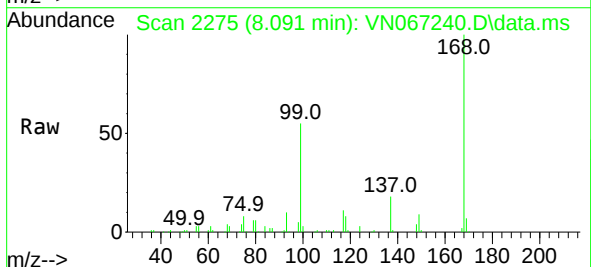
Tgt Ion: 56 Resp: 5297

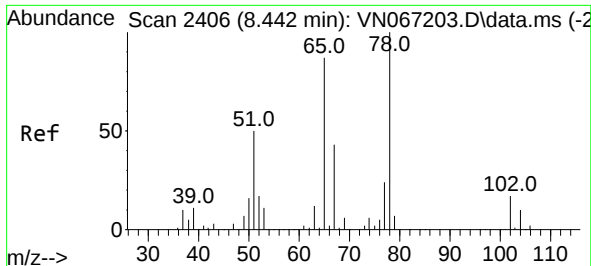
Ion Ratio Lower Upper

56 100

69 131.1 28.0 42.0#

84 109.2 74.2 111.2



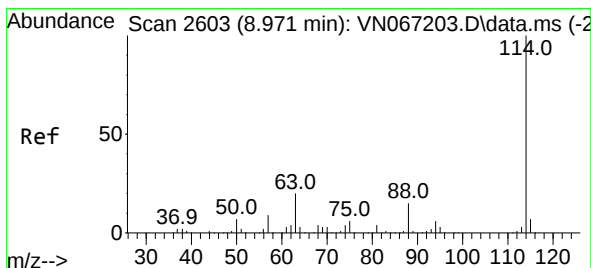
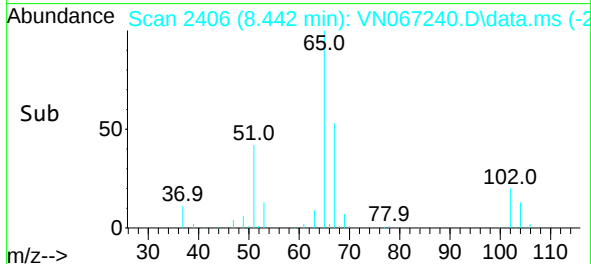
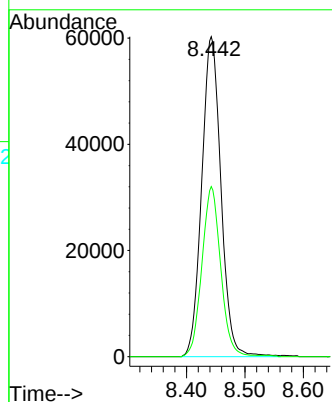
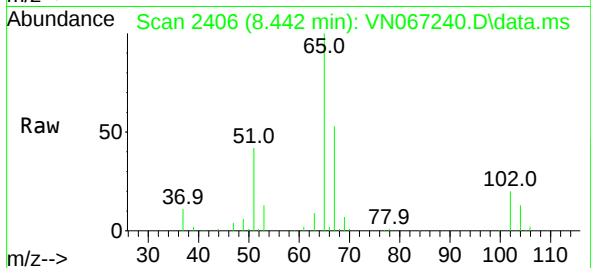


#33

1,2-Dichloroethane-d4
Concen: 49.197 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. -0.000 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Instrument :
MSVOA_N
ClientSampled :
FAM4-WC2

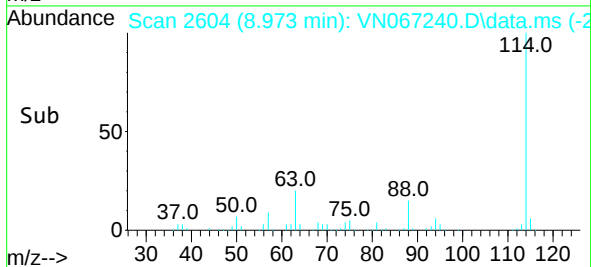
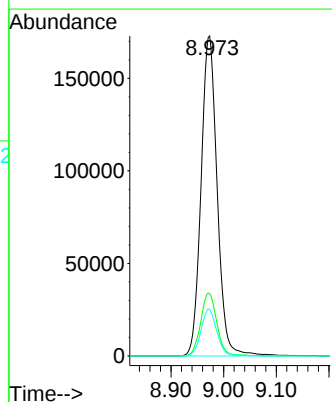
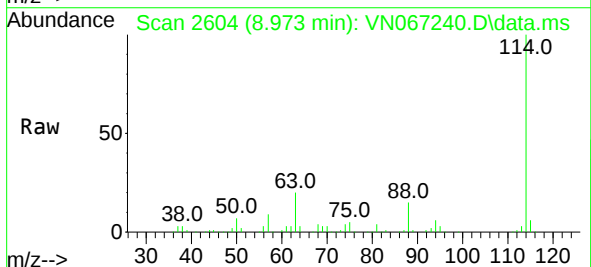
Tgt Ion: 65 Resp: 138029
Ion Ratio Lower Upper
65 100
67 51.9 0.0 110.4

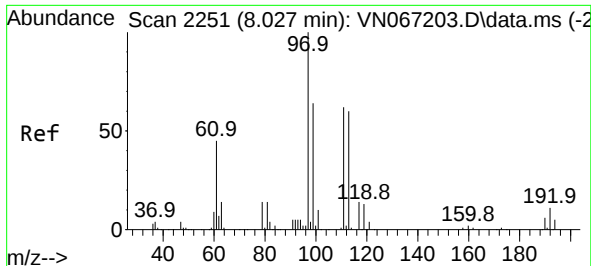


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.003 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion: 114 Resp: 367523
Ion Ratio Lower Upper
114 100
63 19.5 0.0 35.8
88 14.5 0.0 30.4

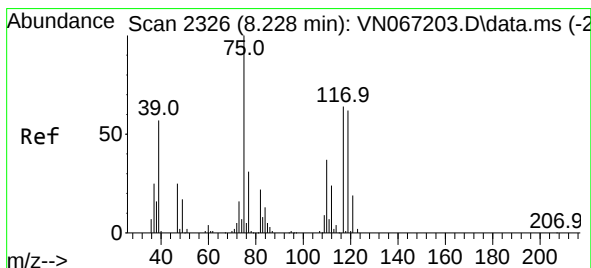
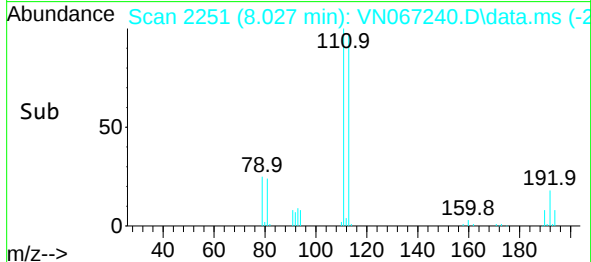
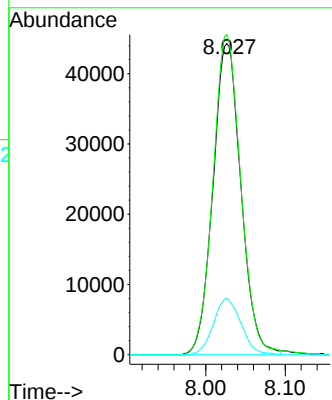
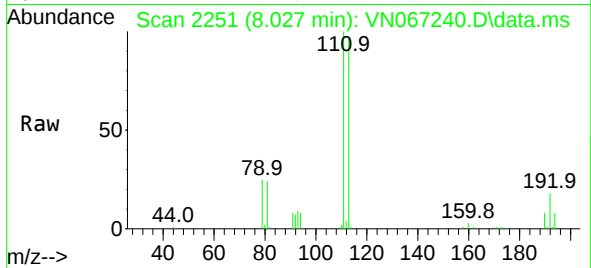




#35
Dibromofluoromethane
Concen: 47.502 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

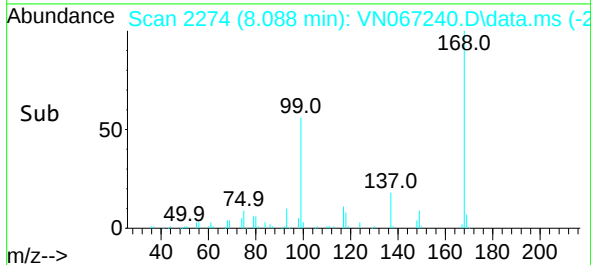
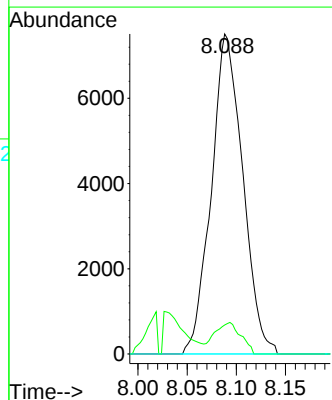
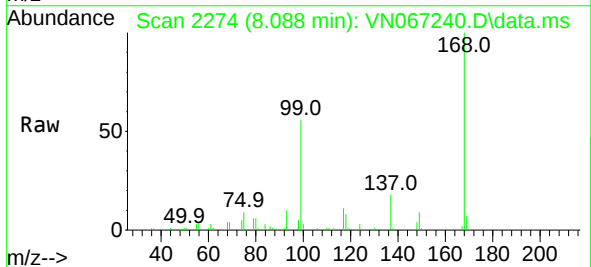
Instrument :
MSVOA_N
ClientSampled :
FAM4-WC2

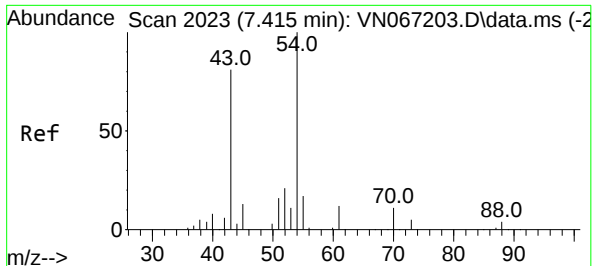
Tgt Ion:113 Resp: 108228
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 17.8 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 4.924 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.140 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion: 75 Resp: 16712
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.758 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. -0.064 min

Lab File: VN067240.D

Acq: 5 Jun 2021 19:10

Tgt Ion: 43 Resp: 2481

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

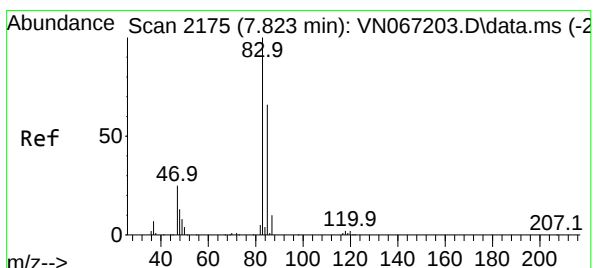
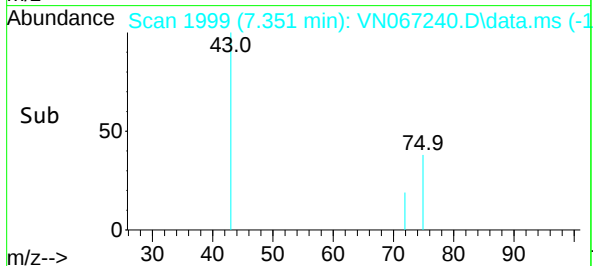
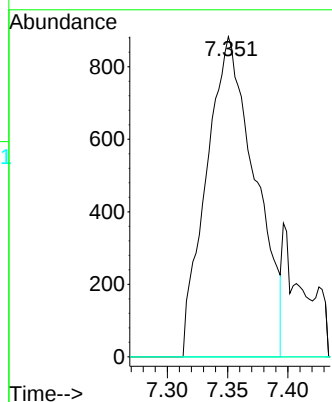
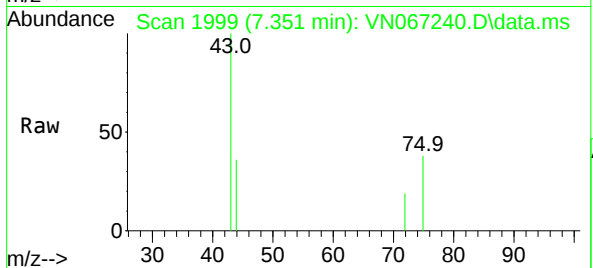
70 0.0 9.2 13.8#

Instrument :

MSVOA_N

ClientSampleId :

FAM4-WC2



#38

Carbon Tetrachloride

Concen: 5.509 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.121 min

Lab File: VN067240.D

Acq: 5 Jun 2021 19:10

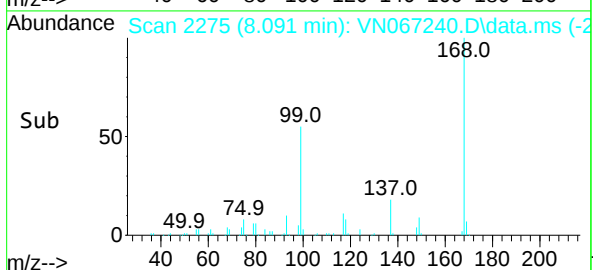
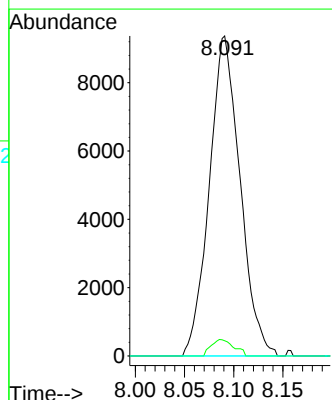
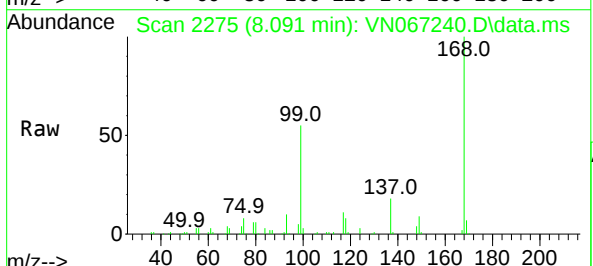
Tgt Ion: 117 Resp: 20422

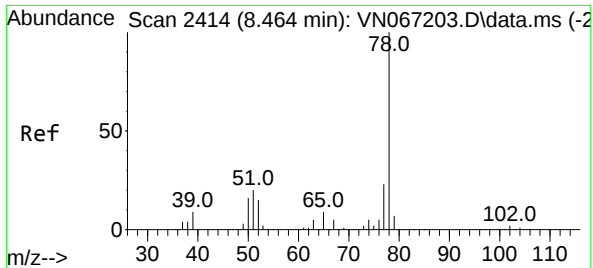
Ion Ratio Lower Upper

117 100

119 4.7 78.2 117.2#

121 0.0 24.7 37.1#

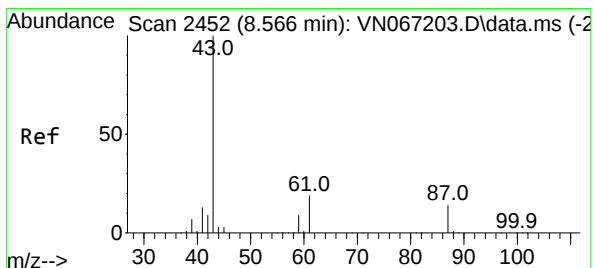
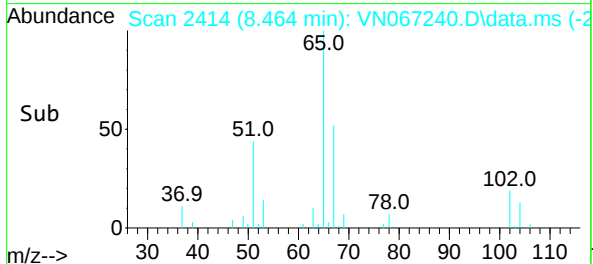
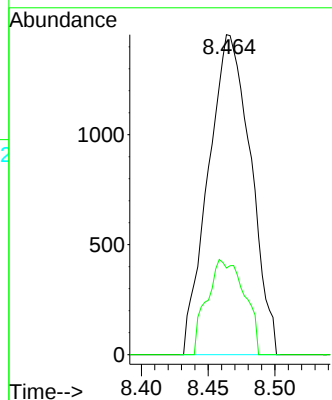
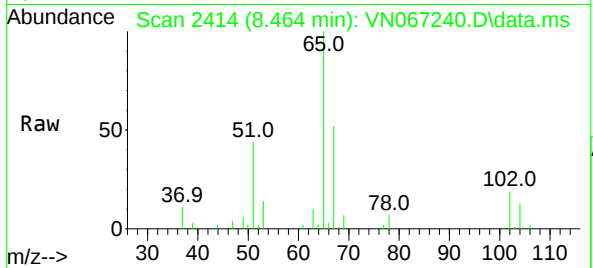




#40
Benzene
Concen: 0.305 ug/l
RT: 8.464 min Scan# 2414
Delta R.T. -0.000 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

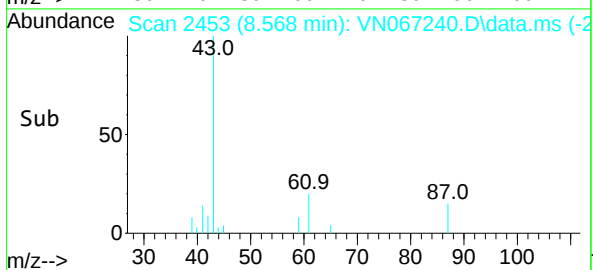
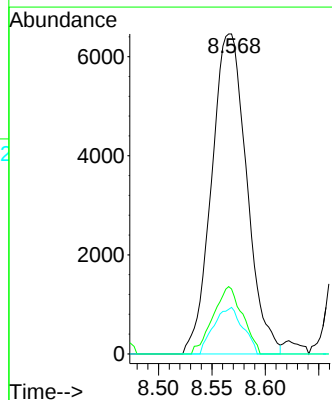
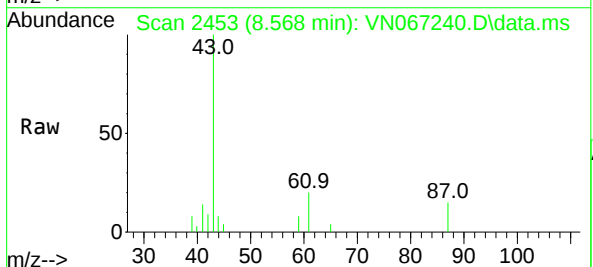
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC2

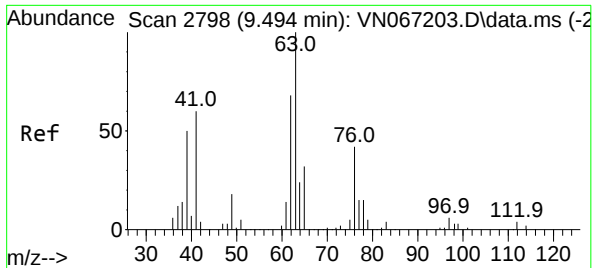
Tgt Ion: 78 Resp: 3212
Ion Ratio Lower Upper
78 100
77 27.1 18.4 27.6



#43
Isopropyl Acetate
Concen: 2.369 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.003 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion: 43 Resp: 14738
Ion Ratio Lower Upper
43 100
61 17.7 23.4 35.0#
87 12.1 12.2 18.2#

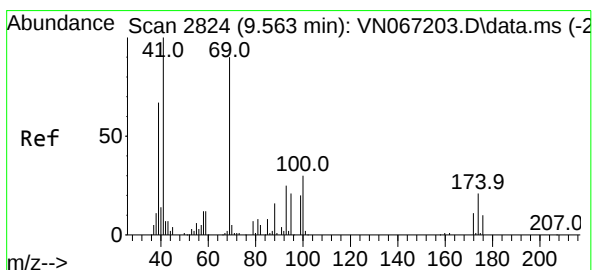
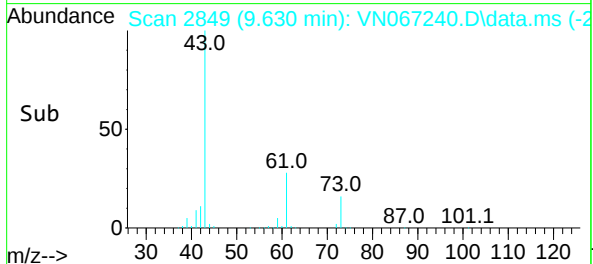
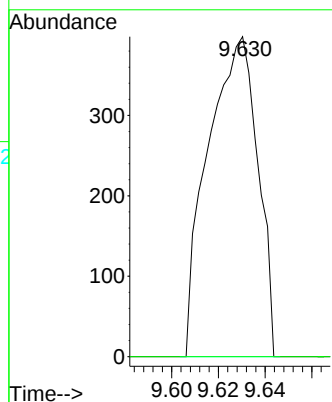
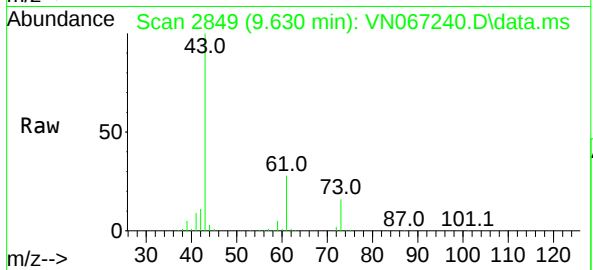




#45
1,2-Dichloropropane
Concen: 0.224 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.137 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

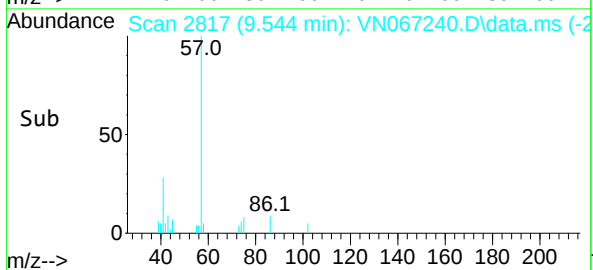
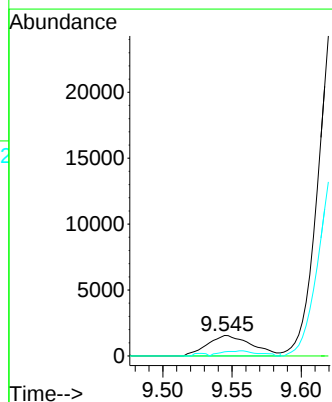
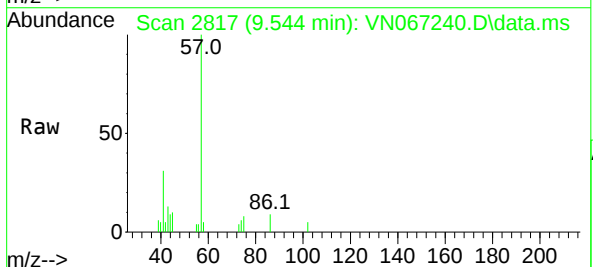
Instrument :
MSVOA_N
ClientSampled :
FAM4-WC2

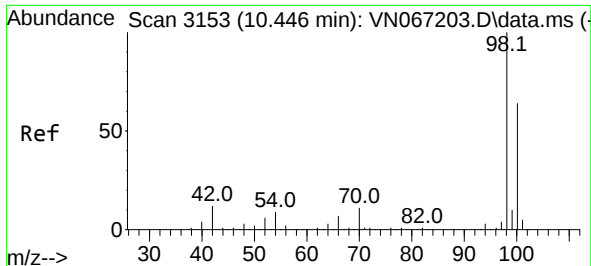
Tgt Ion: 63 Resp: 588
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.289 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.019 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion: 41 Resp: 3476
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#

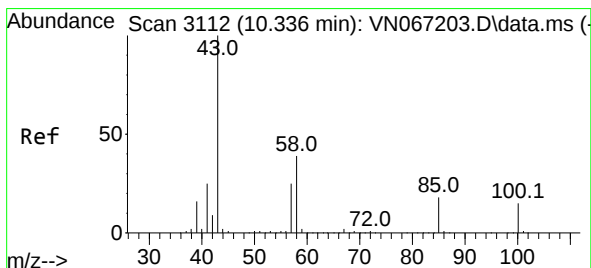
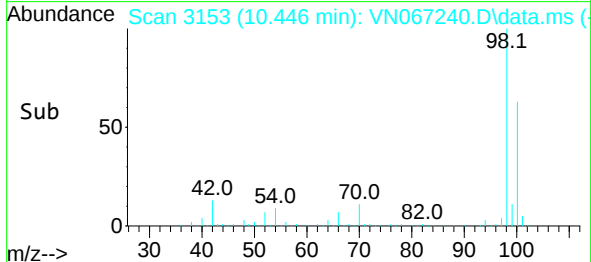
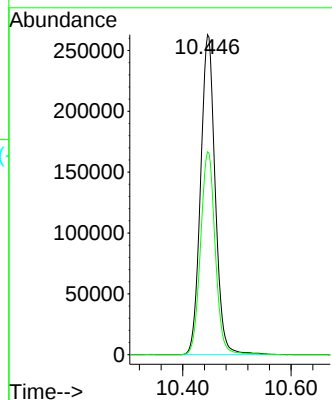
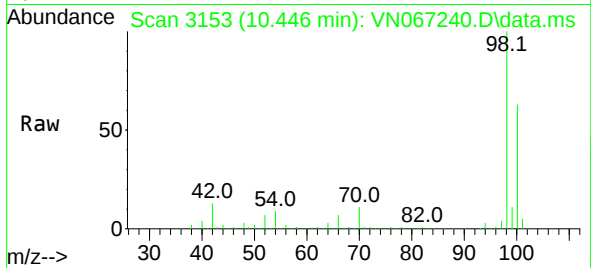




#50
Toluene-d8
Concen: 53.041 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

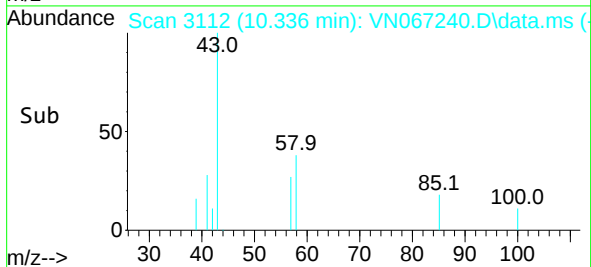
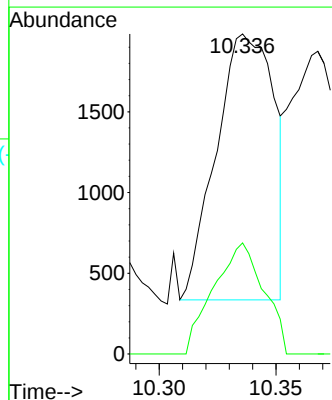
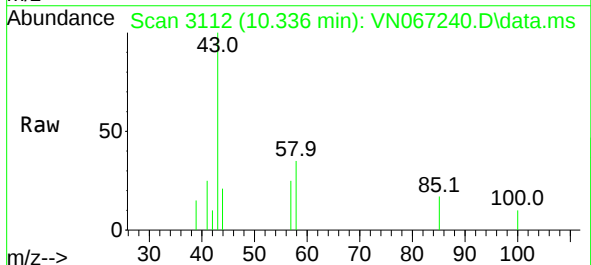
Instrument :
MSVOA_N
ClientSampled :
FAM4-WC2

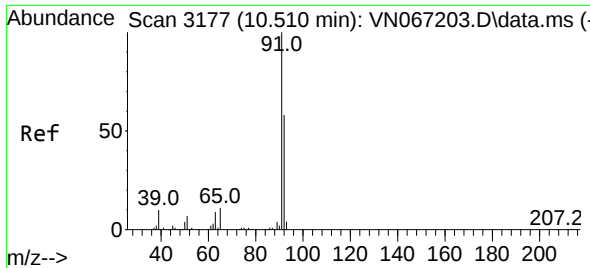
Tgt Ion: 98 Resp: 492178
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.774 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. -0.000 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion: 43 Resp: 2824
Ion Ratio Lower Upper
43 100
58 36.4 34.5 51.7

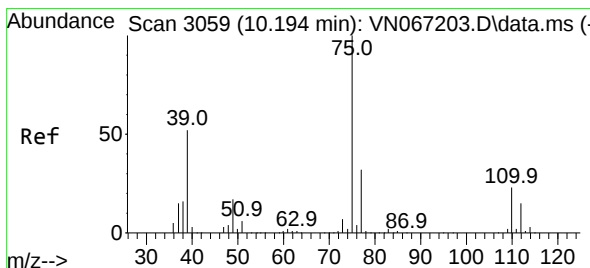
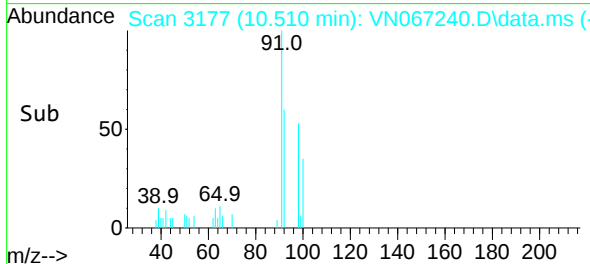
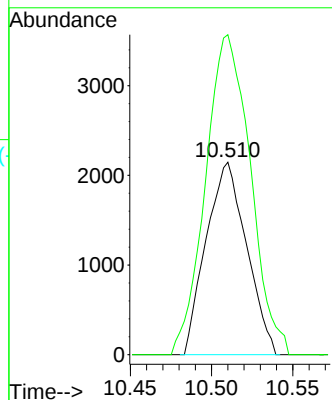
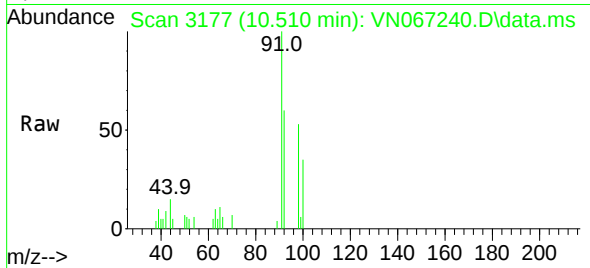




#52
Toluene
Concen: 0.534 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. -0.000 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

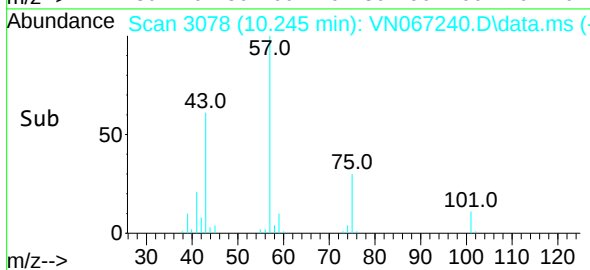
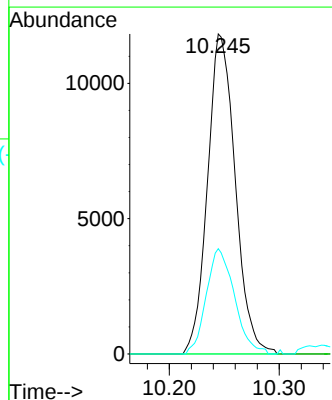
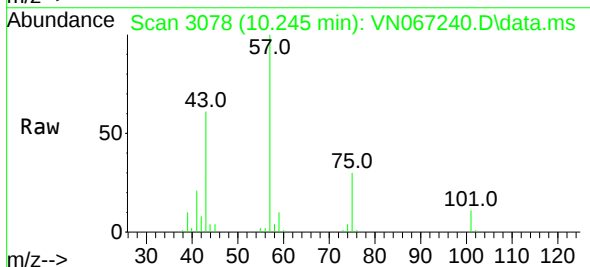
Instrument :
MSVOA_N
ClientSampled :
FAM4-WC2

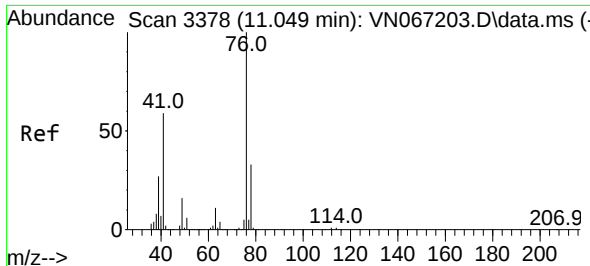
Tgt Ion: 92 Resp: 3712
Ion Ratio Lower Upper
92 100
91 184.6 138.7 208.1



#54
cis-1,3-Dichloropropene
Concen: 4.604 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.051 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion: 75 Resp: 20696
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 32.9 30.9 46.3

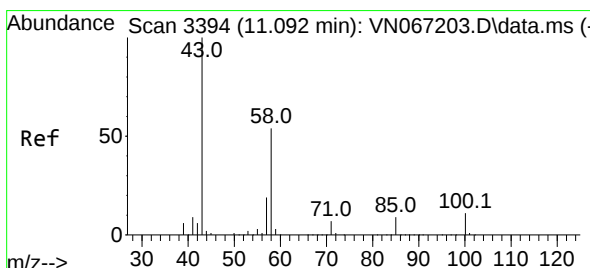
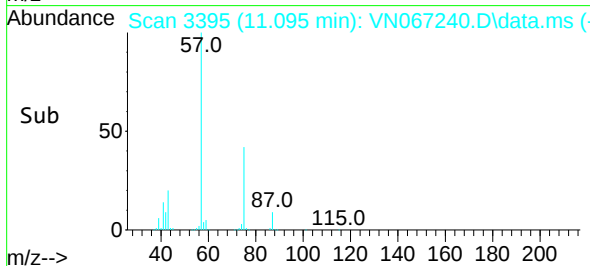
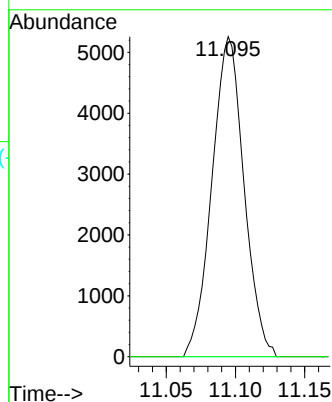
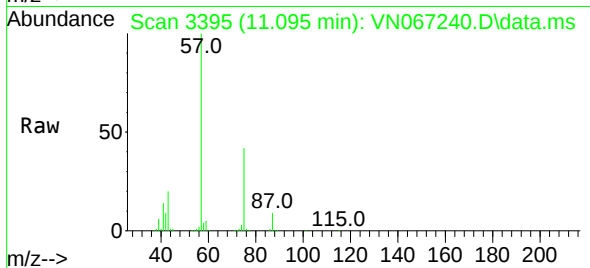




#57
1,3-Dichloropropane
Concen: 1.949 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.046 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

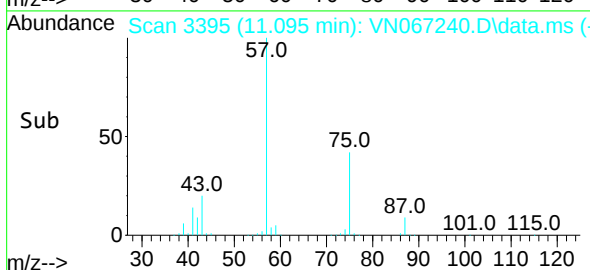
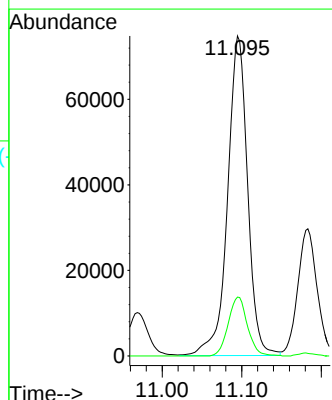
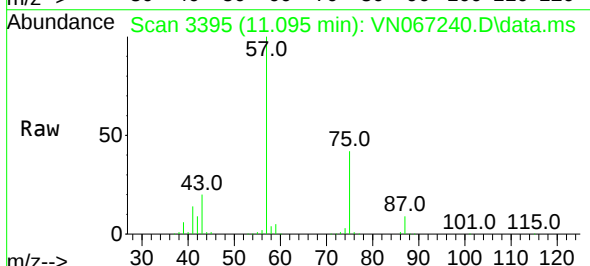
Instrument :
MSVOA_N
ClientSampled :
FAM4-WC2

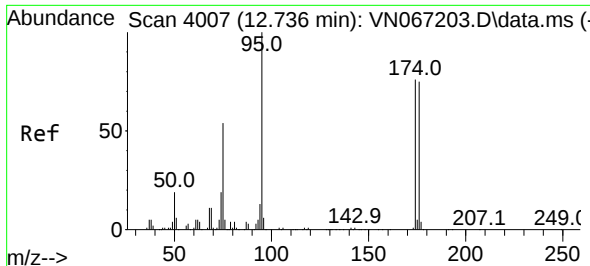
Tgt Ion: 76 Resp: 8471
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 49.393 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion: 43 Resp: 130888
Ion Ratio Lower Upper
43 100
58 17.7 29.8 89.5#

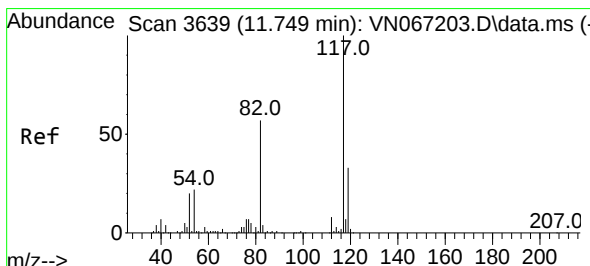
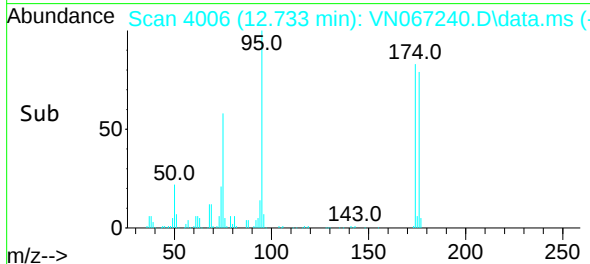
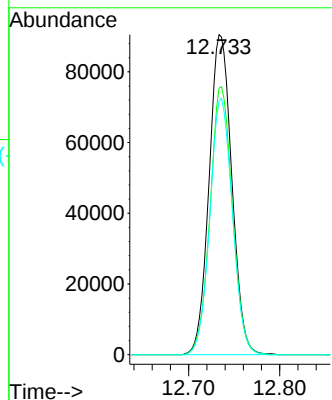
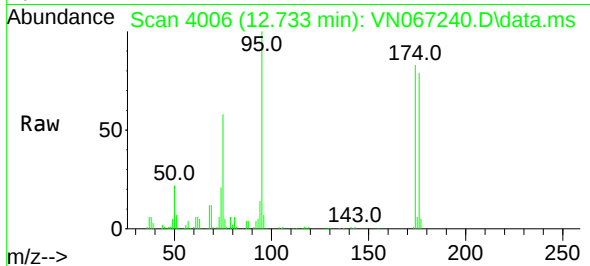




#62
4-Bromofluorobenzene
Concen: 43.817 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.003 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

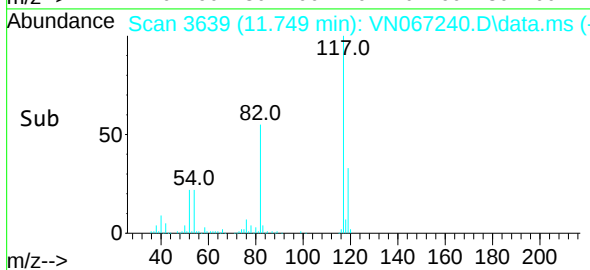
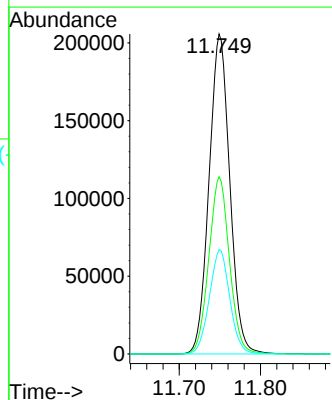
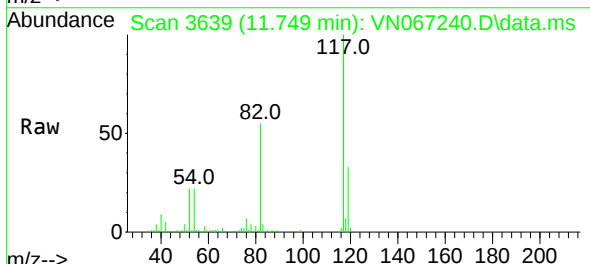
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC2

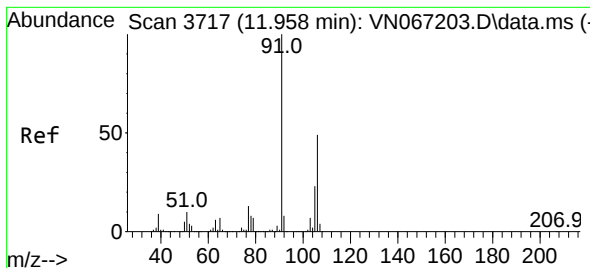
Tgt Ion: 95 Resp: 156595
Ion Ratio Lower Upper
95 100
174 82.7 0.0 182.8
176 79.4 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion: 117 Resp: 364368
Ion Ratio Lower Upper
117 100
82 55.4 42.2 63.2
119 32.6 25.8 38.6

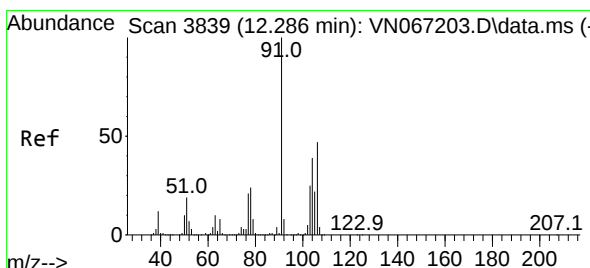
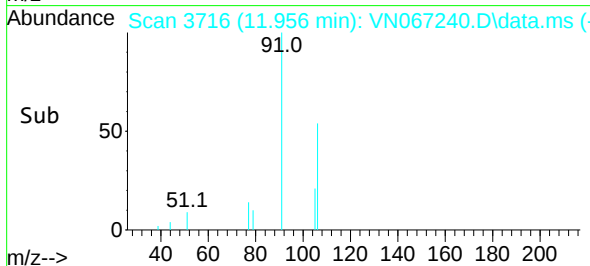
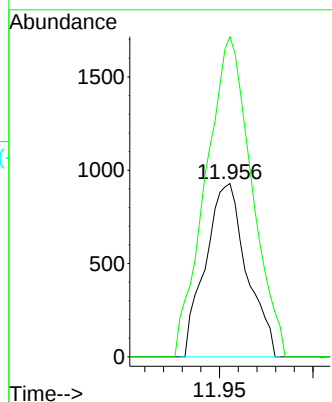
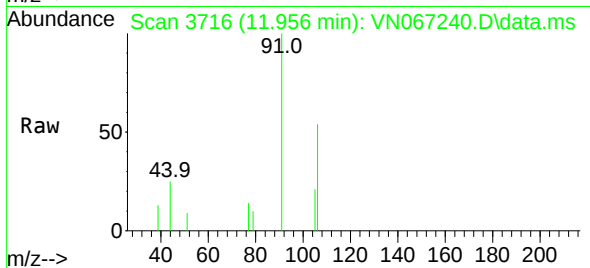




#68
m/p-Xylenes
Concen: 0.253 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.002 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

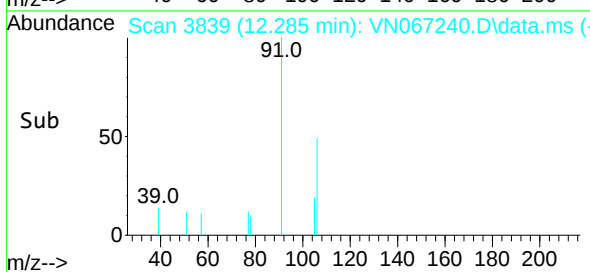
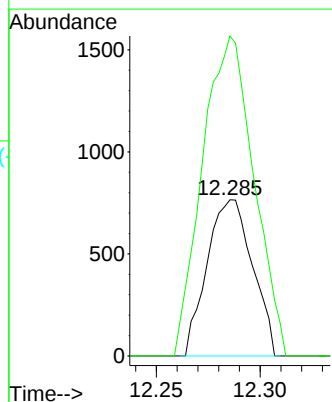
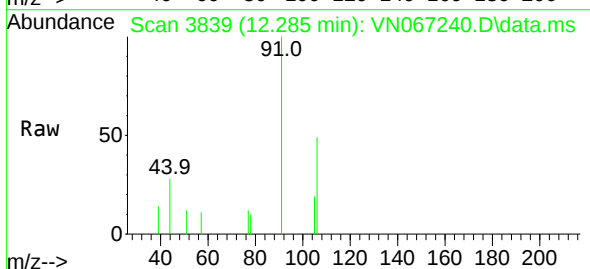
Instrument :
MSVOA_N
ClientSampleId :
FAM4-WC2

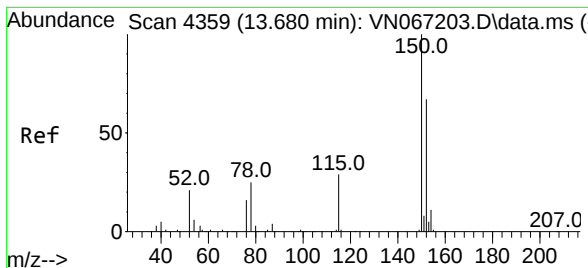
Tgt Ion:106 Resp: 1421
Ion Ratio Lower Upper
106 100
91 206.0 155.2 232.8



#69
o-Xylene
Concen: 0.213 ug/l
RT: 12.285 min Scan# 3839
Delta R.T. -0.000 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion:106 Resp: 1165
Ion Ratio Lower Upper
106 100
91 231.8 102.3 306.8

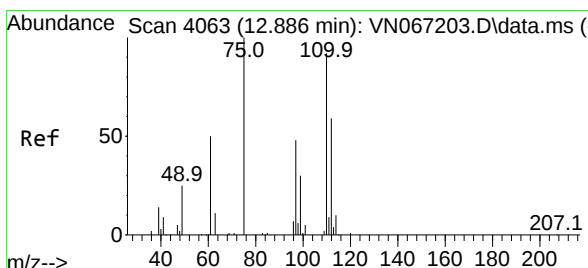
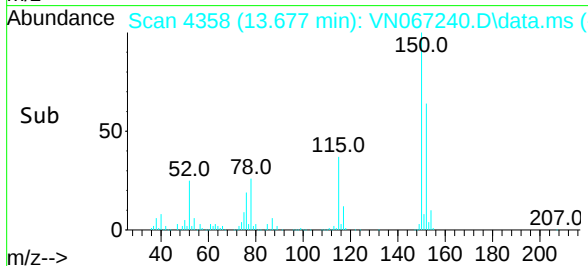
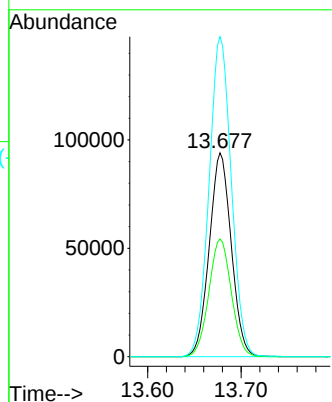
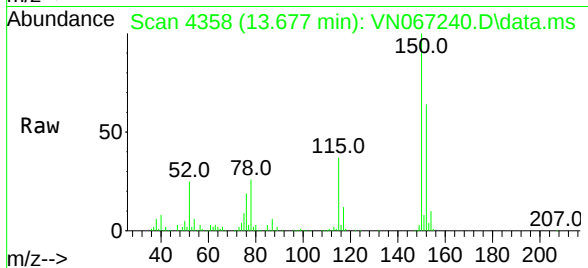




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. -0.003 min
 Lab File: VN067240.D
 Acq: 5 Jun 2021 19:10

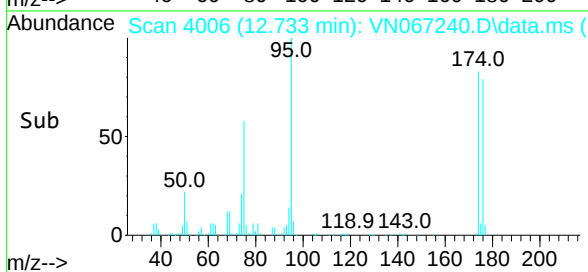
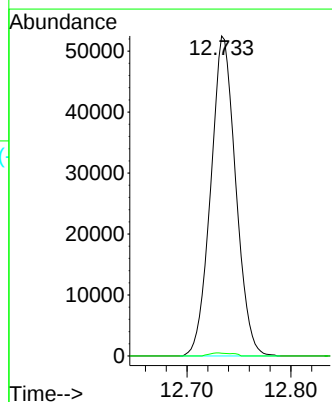
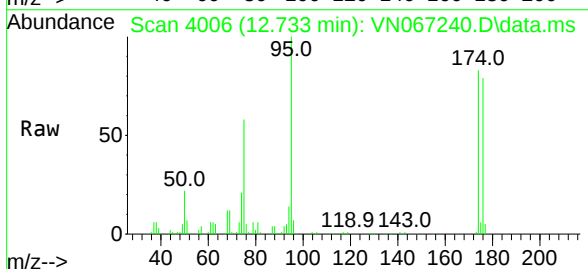
Instrument :
 MSVOA_N
 ClientSampled :
 FAM4-WC2

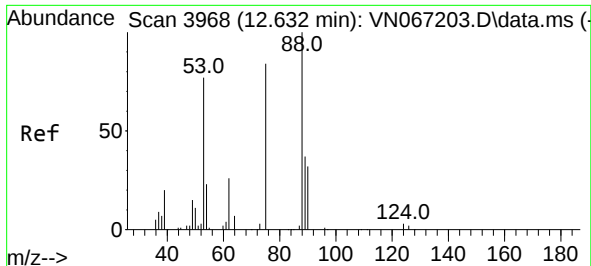
Tgt Ion:152 Resp: 153848
 Ion Ratio Lower Upper
 152 100
 115 59.0 27.0 80.8
 150 158.7 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 29.655 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.153 min
 Lab File: VN067240.D
 Acq: 5 Jun 2021 19:10

Tgt Ion: 75 Resp: 87738
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#

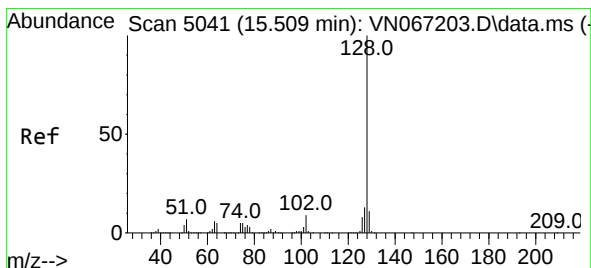
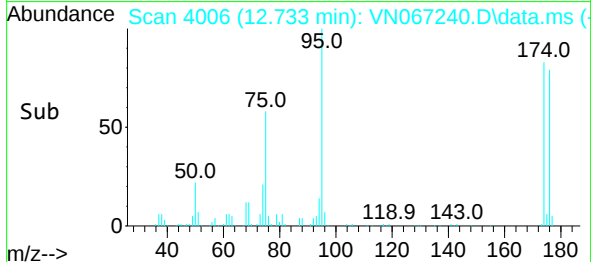
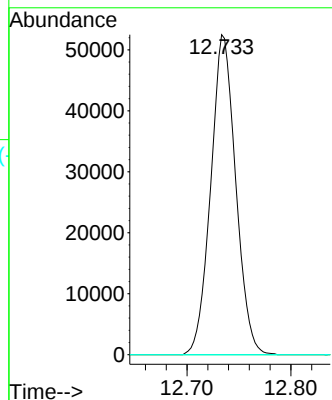
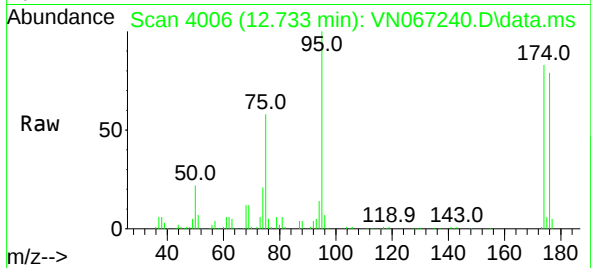




#81
trans-1,4-Dichloro-2-butene
Concen: 72.558 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.102 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Instrument :
MSVOA_N
ClientSampled :
FAM4-WC2

Tgt Ion: 75 Resp: 87738
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 4.623 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067240.D
Acq: 5 Jun 2021 19:10

Tgt Ion:128 Resp: 1493
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

