

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060421\
 Data File : VN067211.D
 Acq On : 4 Jun 2021 21:37
 Operator : JC/MD
 Sample : M2589-29
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18-B9(4-6)

Quant Time: Jun 05 05:32:50 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)

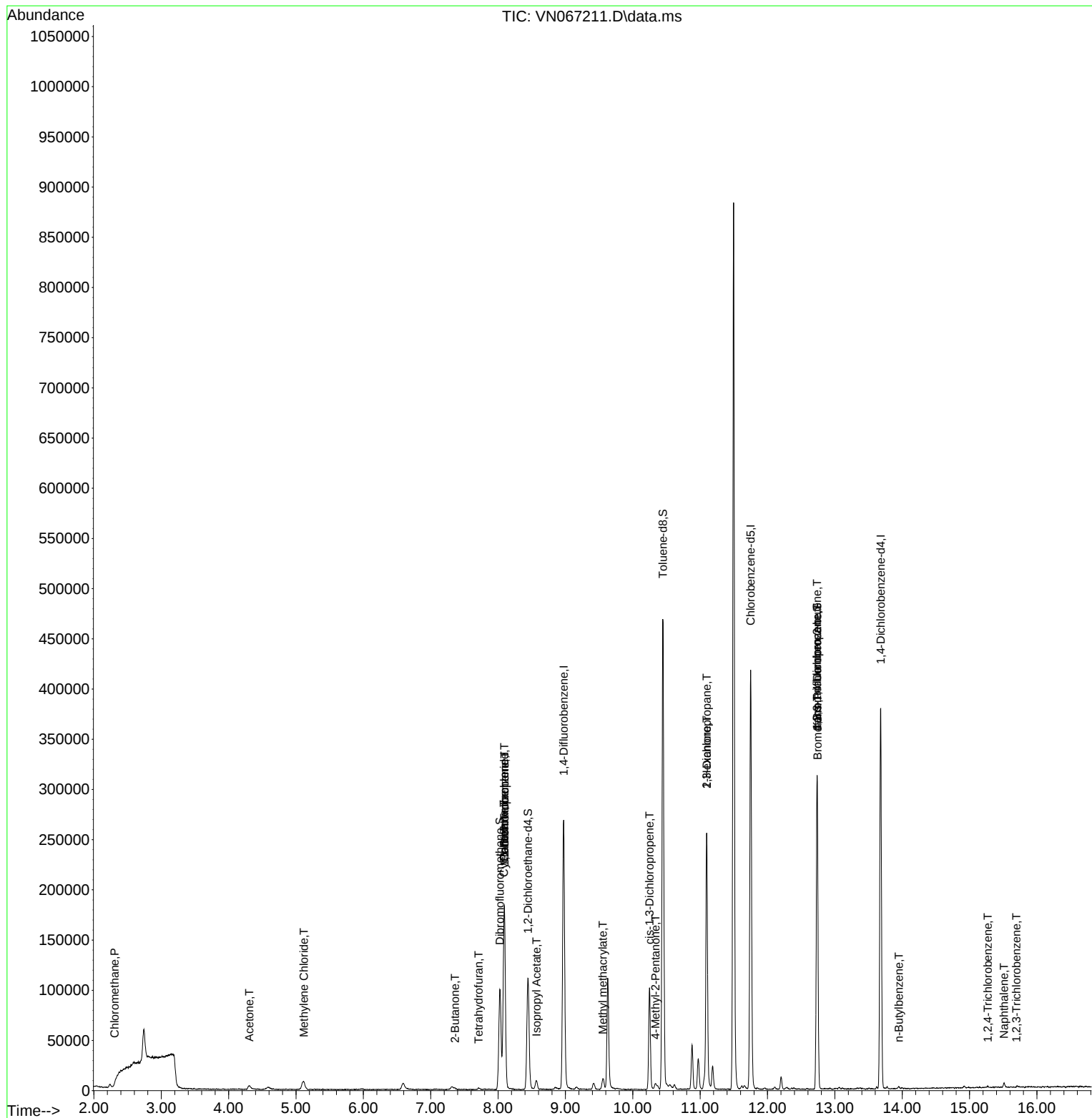
Internal Standards						
1) Pentafluorobenzene	8.094	168	144023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	242232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	237267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	97888	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	90125	45.907	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.820%		
35) Dibromofluoromethane	8.027	113	72317	48.157	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.320%		
50) Toluene-d8	10.449	98	325049	53.148	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.300%		
62) 4-Bromofluorobenzene	12.736	95	102249	43.409	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	590	0.289	ug/l #	42
13) Acrolein	4.049	56	128	Below Cal	#	42
16) Acetone	4.307	43	6775	10.001	ug/l	92
20) Methylene Chloride	5.117	84	6948	4.073	ug/l	92
25) 2-Butanone	7.362	43	1805	1.664	ug/l #	88
29) Tetrahydrofuran	7.713	42	714	1.107	ug/l #	61
31) Cyclohexane	8.086	56	4011	1.522	ug/l #	50
36) 1,1-Dichloropropene	8.096	75	11512	5.146	ug/l #	43
38) Carbon Tetrachloride	8.094	117	14022	5.739	ug/l #	14
43) Isopropyl Acetate	8.571	43	10356	2.525	ug/l #	84
48) Methyl methacrylate	9.555	41	4493	2.528	ug/l #	13
51) 4-Methyl-2-Pentanone	10.339	43	3419	1.423	ug/l	99
54) cis-1,3-Dichloropropene	10.250	75	18556	6.263	ug/l #	70
57) 1,3-Dichloropropane	11.098	76	2398	0.837	ug/l #	42
59) 2-Hexanone	11.098	43	50200	28.742	ug/l #	43
71) Bromoform	12.742	173	1001	0.632	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	57922	30.770	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	57922	75.284	ug/l #	15
89) n-Butylbenzene	13.951	91	1679	0.275	ug/l #	75
93) 1,2,4-Trichlorobenzene	15.271	180	560	0.382	ug/l	92
95) Naphthalene	15.512	128	3751	5.210	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.697	180	610	0.469	ug/l #	85

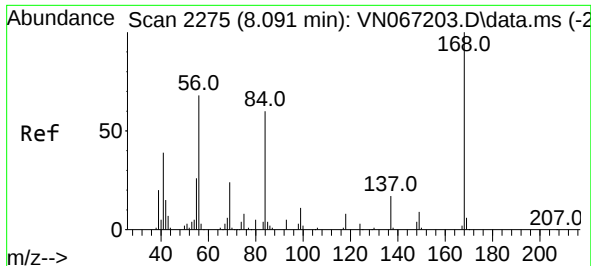
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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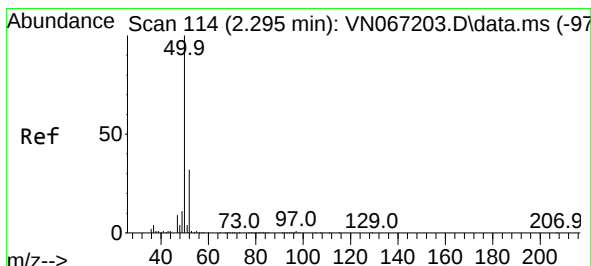
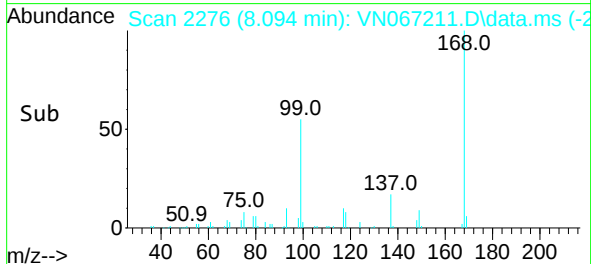
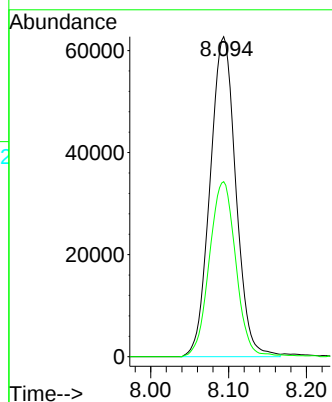
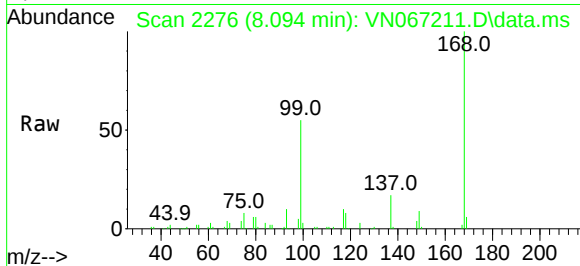




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.003 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

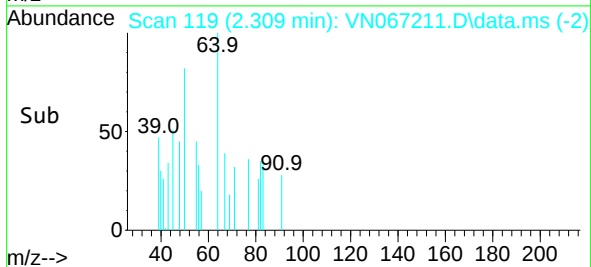
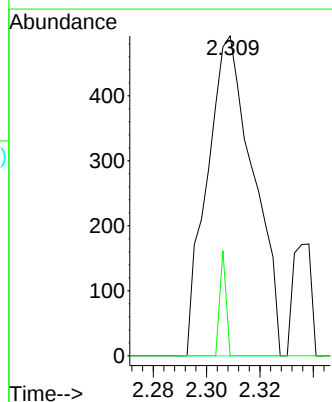
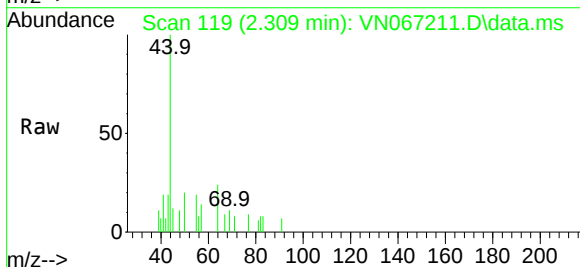
Instrument :
MSVOA_N
ClientSampleId :
18-B9(4-6)

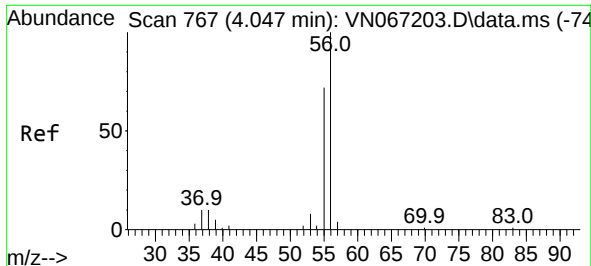
Tgt Ion:168 Resp: 144023
Ion Ratio Lower Upper
168 100
99 54.7 38.5 57.7



#3
Chloromethane
Concen: 0.289 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.014 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Tgt Ion: 50 Resp: 590
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

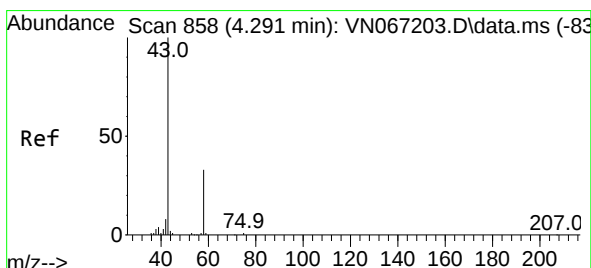
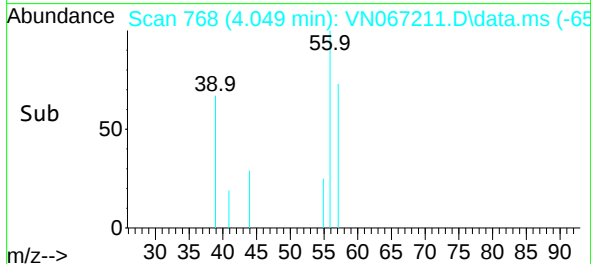
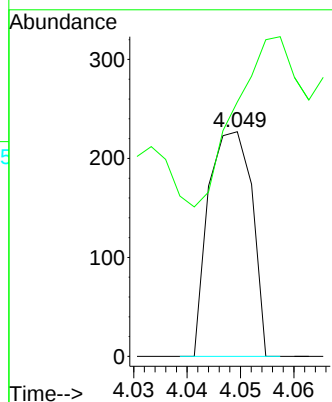
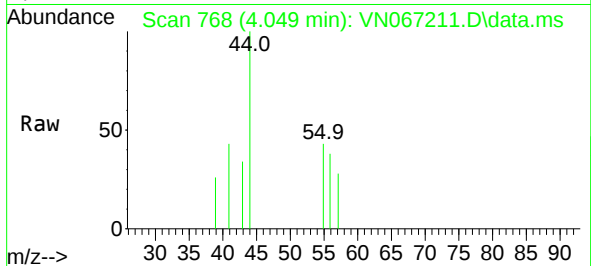




#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.002 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

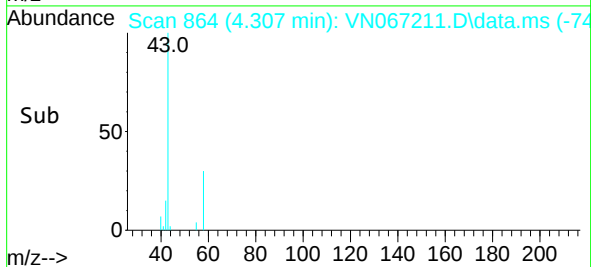
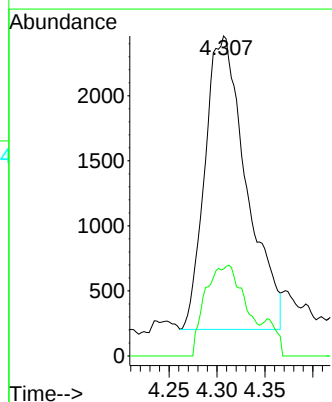
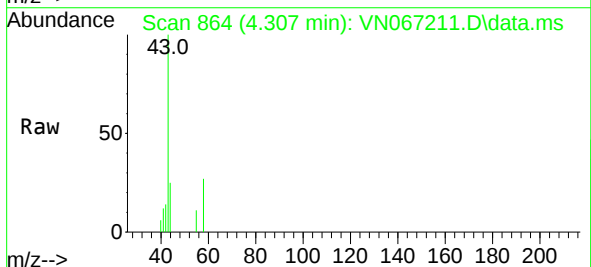
Instrument :
MSVOA_N
ClientSampleId :
18-B9(4-6)

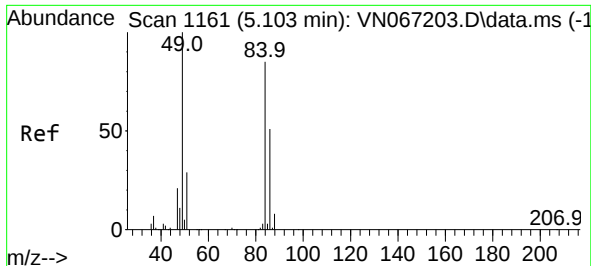
Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 114.1 53.8 80.6#



#16
Acetone
Concen: 10.001 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.016 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

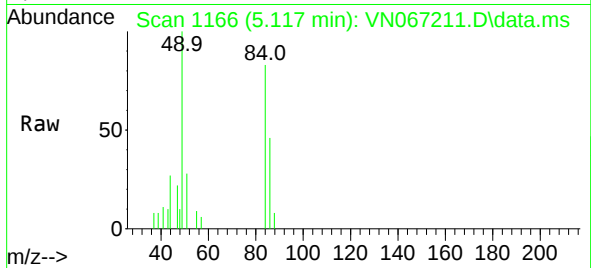
Tgt Ion: 43 Resp: 6775
Ion Ratio Lower Upper
43 100
58 29.6 27.2 40.8



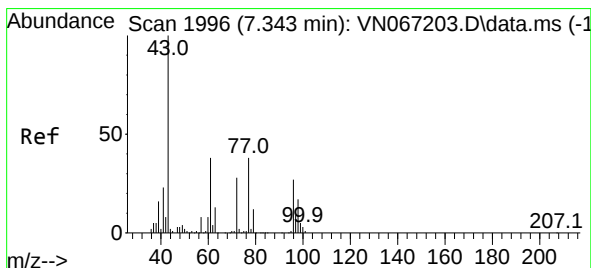
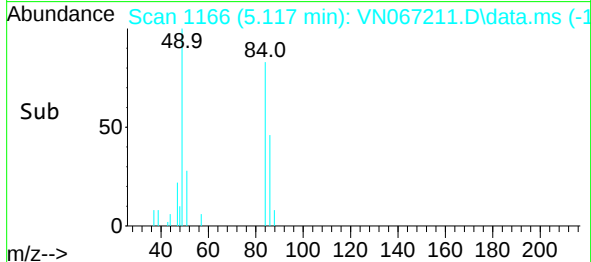
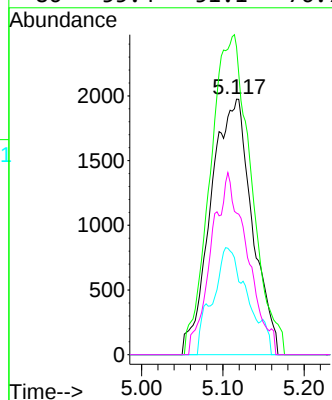


#20
Methylene Chloride
Concen: 4.073 ug/l
RT: 5.117 min Scan# 1166
Delta R.T. 0.014 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

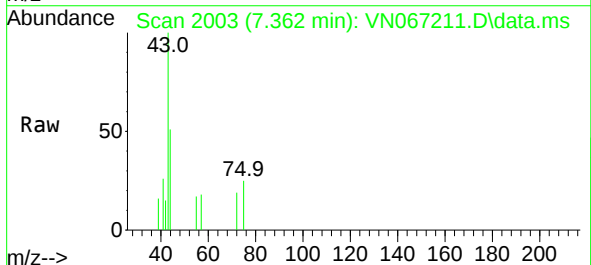
Instrument :
MSVOA_N
ClientSampleId :
18-B9(4-6)



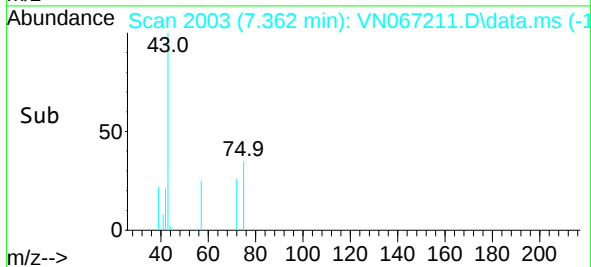
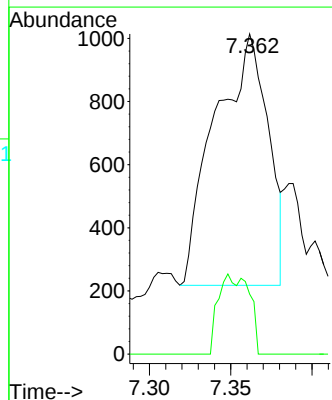
Tgt Ion:	84	Resp:	6948
Ion	Ratio	Lower	Upper
84	100		
49	120.5	88.3	132.5
51	33.4	26.7	40.1
86	55.4	51.1	76.7

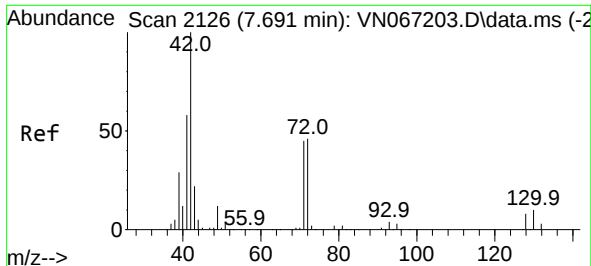


#25
2-Butanone
Concen: 1.664 ug/l
RT: 7.362 min Scan# 2003
Delta R.T. 0.019 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37



Tgt Ion:	43	Resp:	1805
Ion	Ratio	Lower	Upper
43	100		
72	23.9	24.4	36.6#





#29

Tetrahydrofuran

Concen: 1.107 ug/l

RT: 7.713 min Scan# 2134

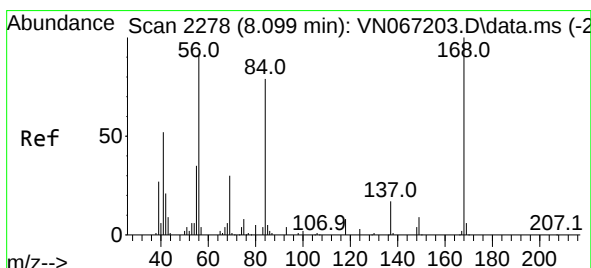
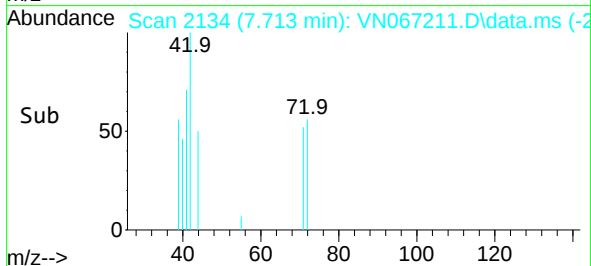
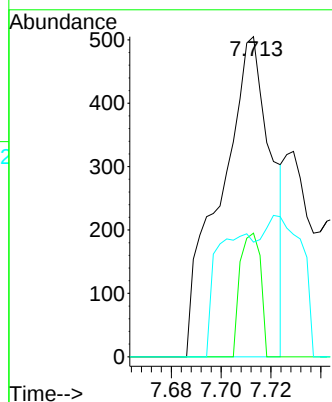
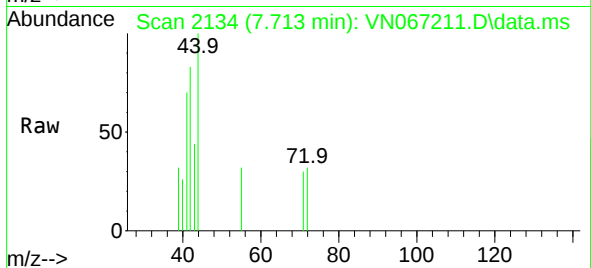
Delta R.T. 0.022 min

Lab File: VN067211.D

Acq: 4 Jun 2021 21:37

Tgt Ion:	42	Resp:	714
Ion	Ratio	Lower	Upper
42	100		
72	15.5	40.1	60.1#
71	28.7	37.9	56.9#

Instrument :
MSVOA_N
ClientSampled :
18-B9(4-6)



#31

Cyclohexane

Concen: 1.522 ug/l

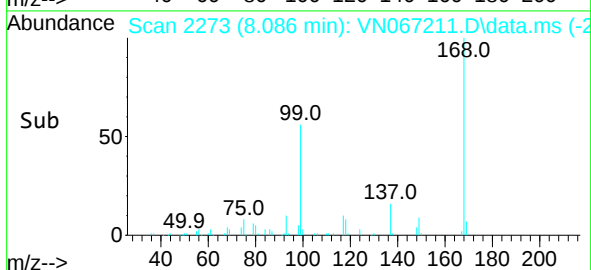
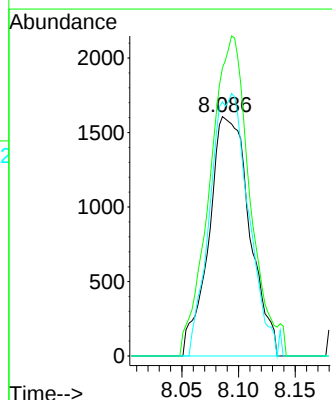
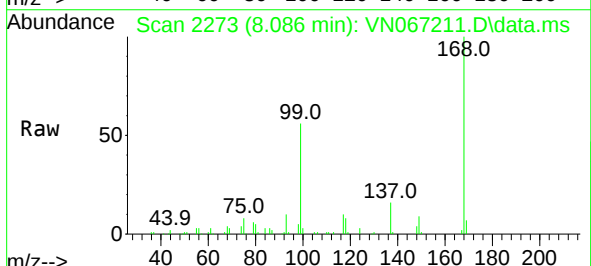
RT: 8.086 min Scan# 2273

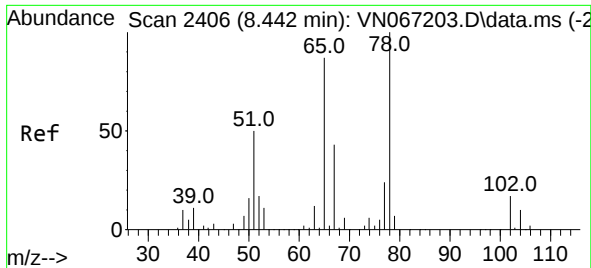
Delta R.T. -0.013 min

Lab File: VN067211.D

Acq: 4 Jun 2021 21:37

Tgt Ion:	56	Resp:	4011
Ion	Ratio	Lower	Upper
56	100		
69	120.3	28.0	42.0#
84	106.2	74.2	111.2

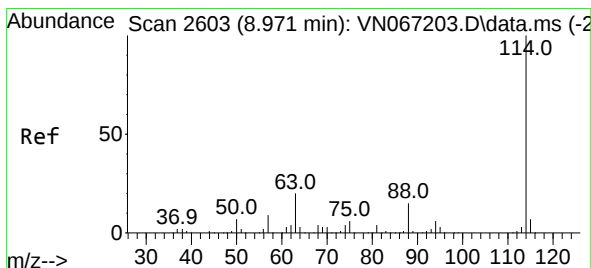
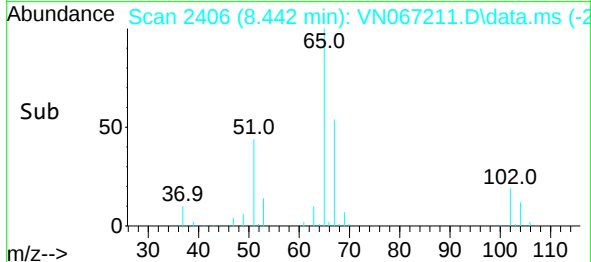
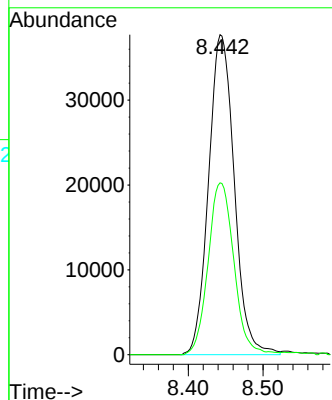
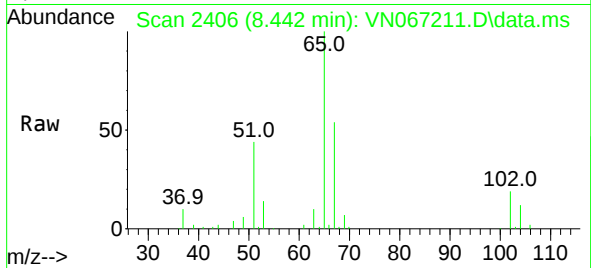




#33
 1,2-Dichloroethane-d4
 Concen: 45.907 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.000 min
 Lab File: VN067211.D
 Acq: 4 Jun 2021 21:37

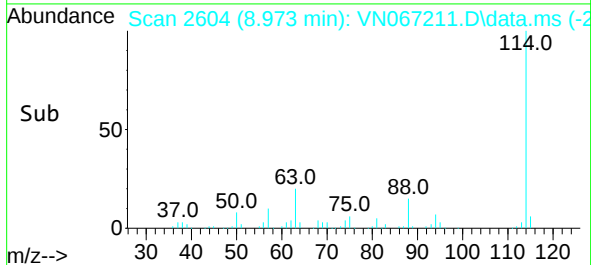
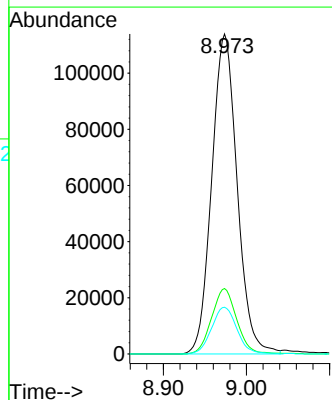
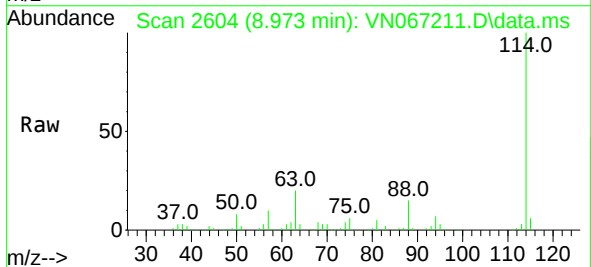
Instrument :
 MSVOA_N
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 18-B9(4-6)

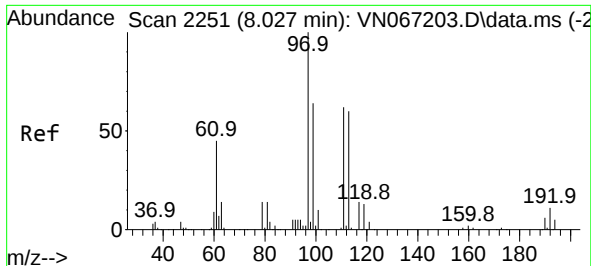
Tgt Ion: 65 Resp: 90125
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.973 min Scan# 2604
 Delta R.T. 0.003 min
 Lab File: VN067211.D
 Acq: 4 Jun 2021 21:37

Tgt Ion: 114 Resp: 242232
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 35.8
 88 14.6 0.0 30.4

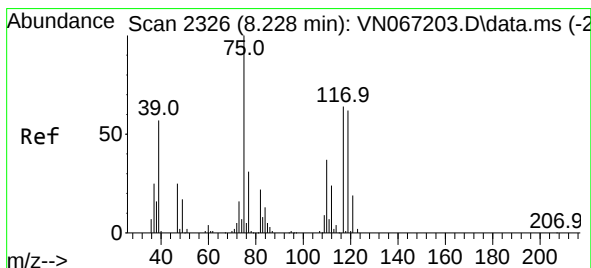
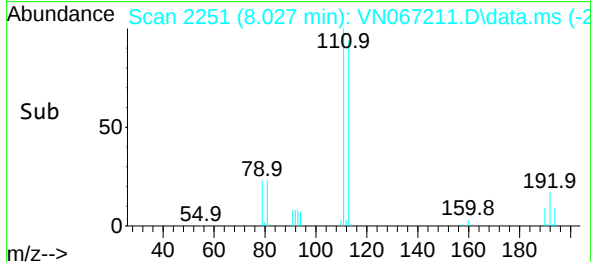
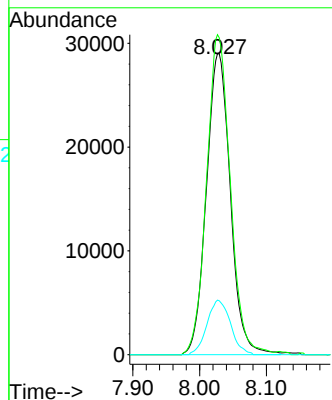
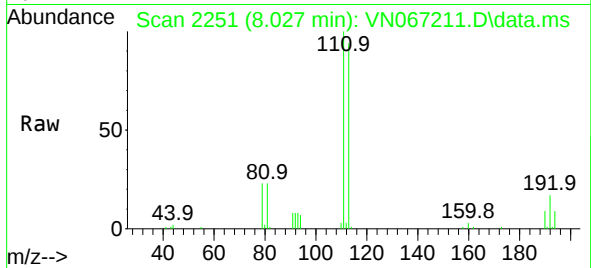




#35
Dibromofluoromethane
Concen: 48.157 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

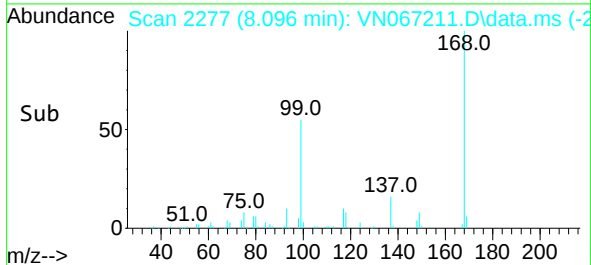
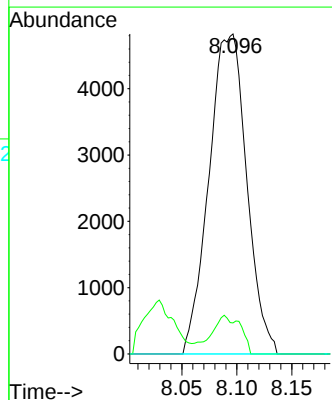
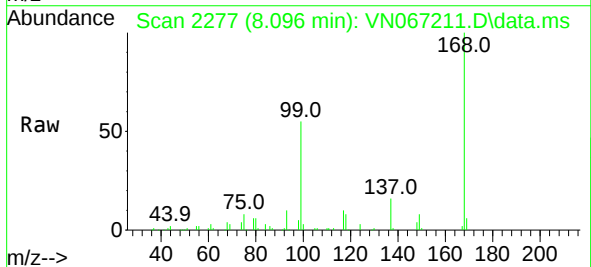
Instrument :
MSVOA_N
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18-B9(4-6)

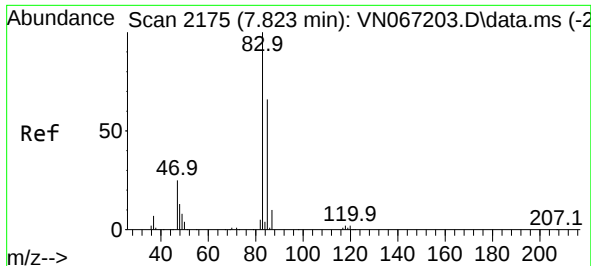
Tgt Ion:113 Resp: 72317
Ion Ratio Lower Upper
113 100
111 105.3 82.6 124.0
192 17.8 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 5.146 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. -0.131 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

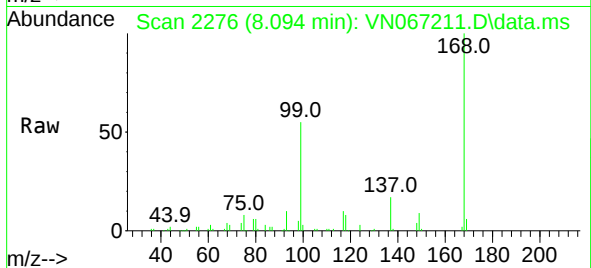
Tgt Ion: 75 Resp: 11512
Ion Ratio Lower Upper
75 100
110 3.5 19.1 57.3#
77 0.0 24.8 37.2#



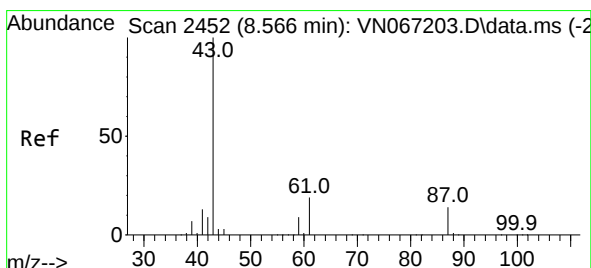
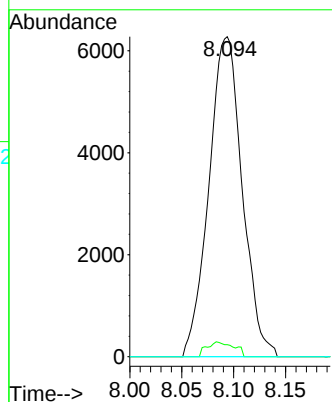
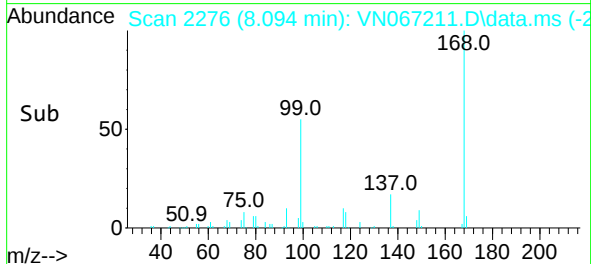


#38
Carbon Tetrachloride
Concen: 5.739 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.118 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

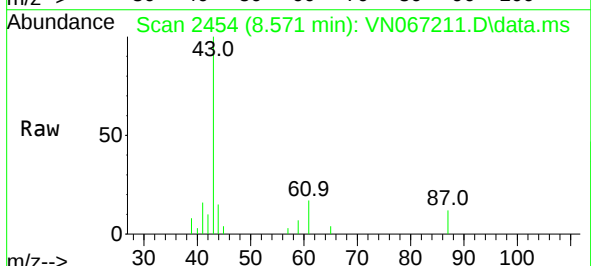
Instrument :
MSVOA_N
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18-B9(4-6)



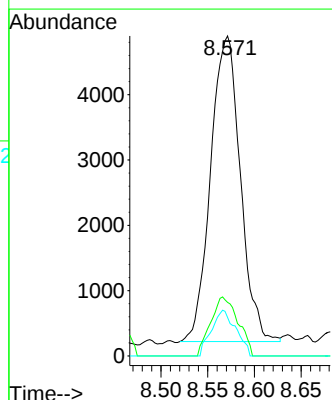
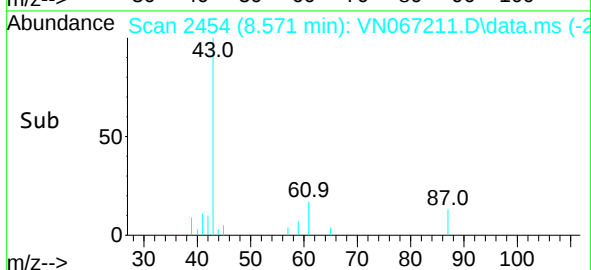
Tgt Ion:117 Resp: 14022
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.7 37.1#

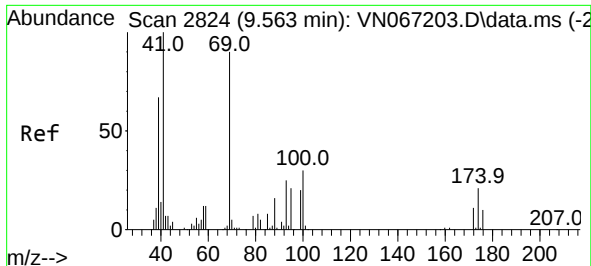


#43
Isopropyl Acetate
Concen: 2.525 ug/l
RT: 8.571 min Scan# 2454
Delta R.T. 0.006 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37



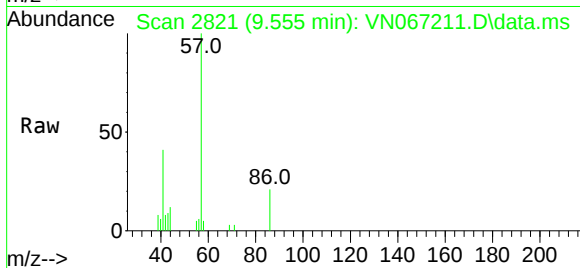
Tgt Ion: 43 Resp: 10356
Ion Ratio Lower Upper
43 100
61 17.8 23.4 35.0#
87 12.3 12.2 18.2



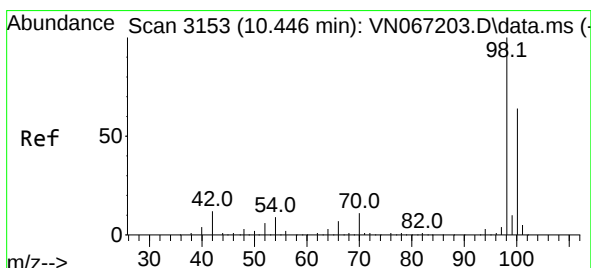
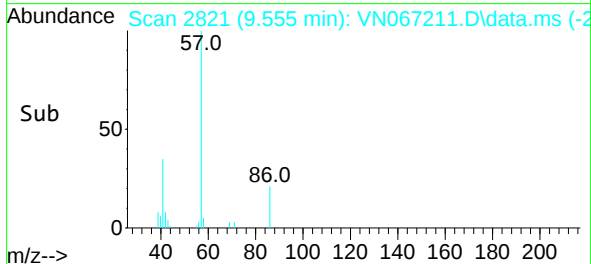
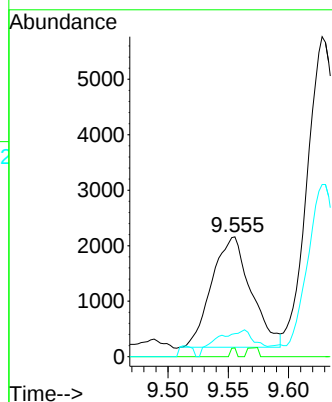


#48
Methyl methacrylate
Concen: 2.528 ug/l
RT: 9.555 min Scan# 2821
Delta R.T. -0.008 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Instrument :
MSVOA_N
ClientSampled :
18-B9(4-6)

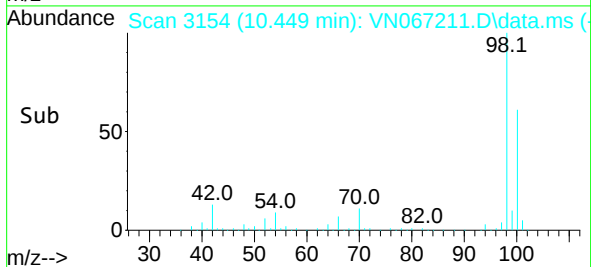
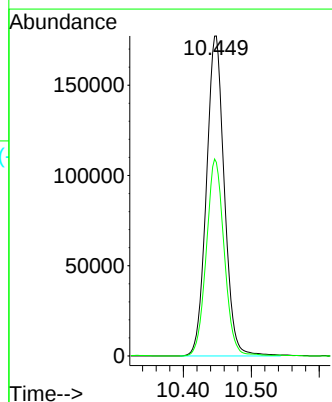
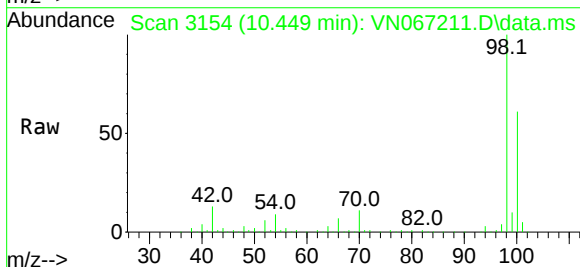


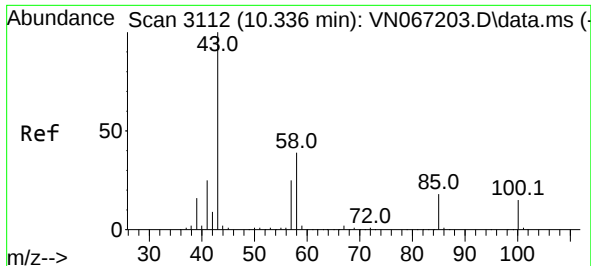
Tgt Ion: 41 Resp: 4493
Ion Ratio Lower Upper
41 100
69 1.1 80.5 120.7#
39 8.2 41.4 62.0#



#50
Toluene-d8
Concen: 53.148 ug/l
RT: 10.449 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Tgt Ion: 98 Resp: 325049
Ion Ratio Lower Upper
98 100
100 61.5 51.8 77.8

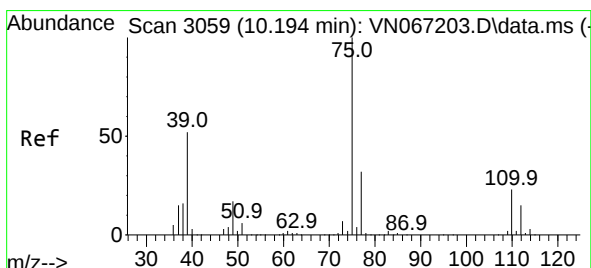
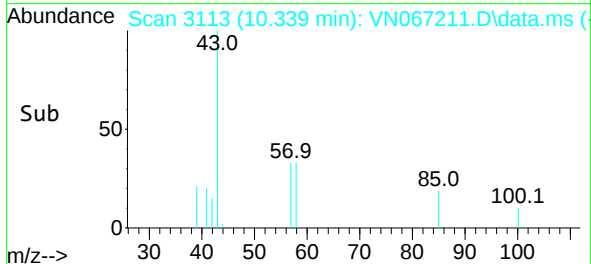
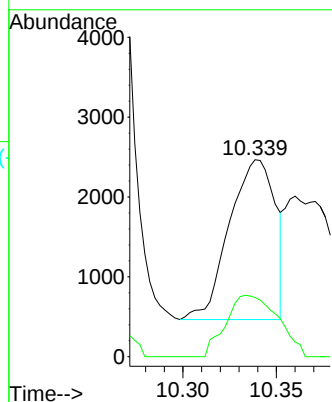
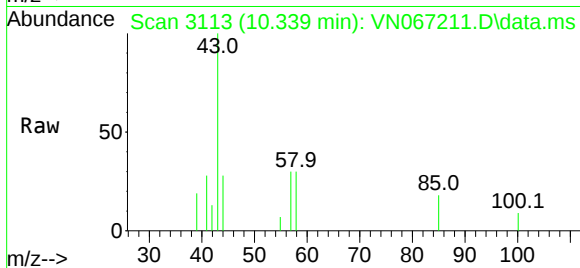




#51
4-Methyl-2-Pentanone
Concen: 1.423 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.003 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

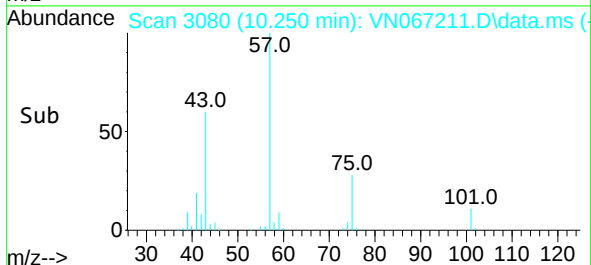
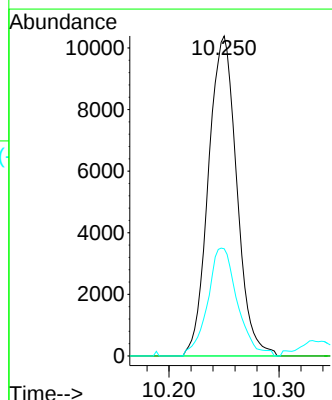
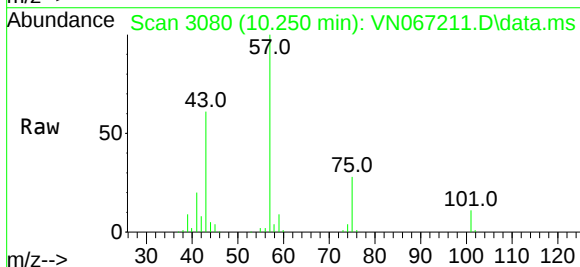
Instrument :
MSVOA_N
ClientSampled :
18-B9(4-6)

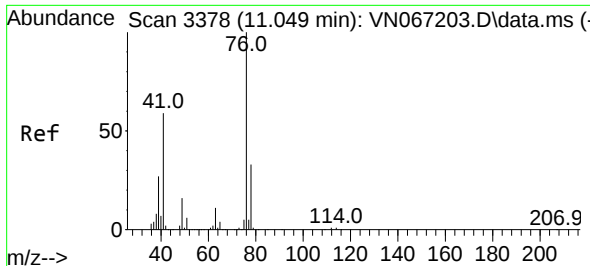
Tgt Ion: 43 Resp: 3419
Ion Ratio Lower Upper
43 100
58 43.6 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 6.263 ug/l
RT: 10.250 min Scan# 3080
Delta R.T. 0.056 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Tgt Ion: 75 Resp: 18556
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 33.5 30.9 46.3

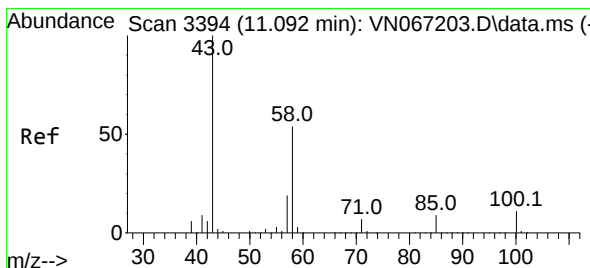
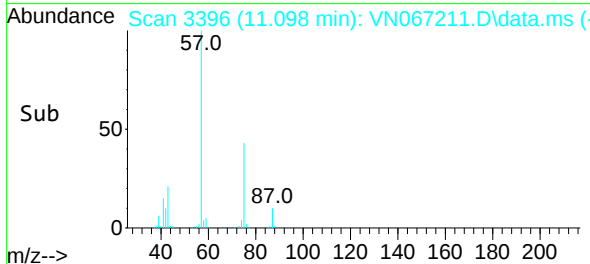
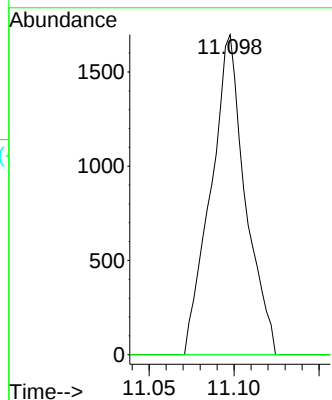
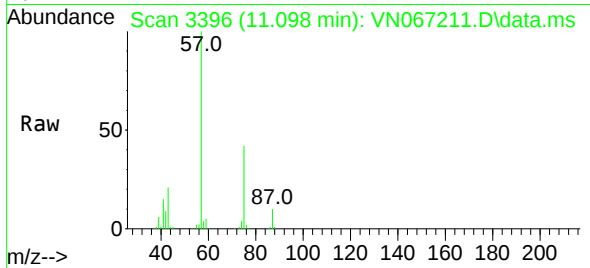




#57
1,3-Dichloropropane
Concen: 0.837 ug/l
RT: 11.098 min Scan# 3396
Delta R.T. 0.048 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

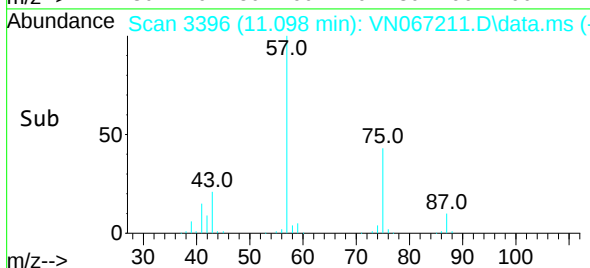
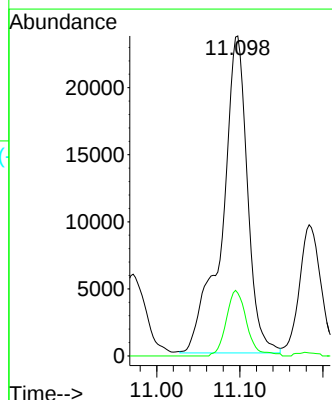
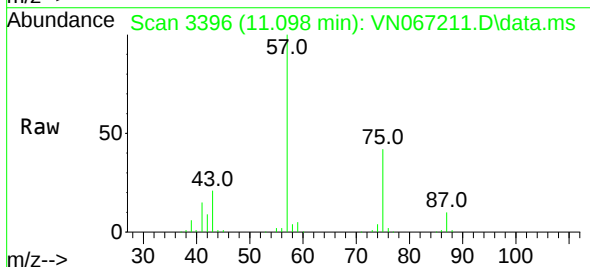
Instrument :
MSVOA_N
ClientSampled :
18-B9(4-6)

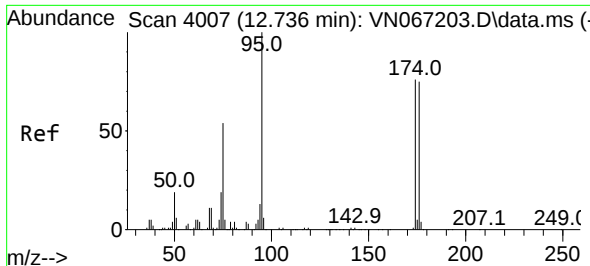
Tgt Ion: 76 Resp: 2398
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 28.742 ug/l
RT: 11.098 min Scan# 3396
Delta R.T. 0.006 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Tgt Ion: 43 Resp: 50200
Ion Ratio Lower Upper
43 100
58 16.8 29.8 89.5#

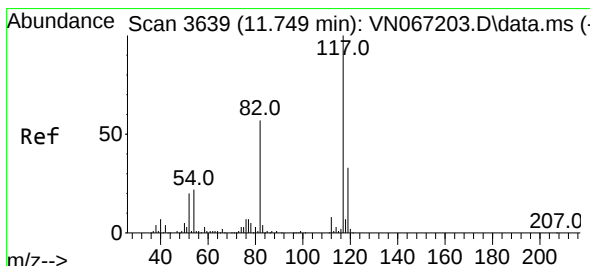
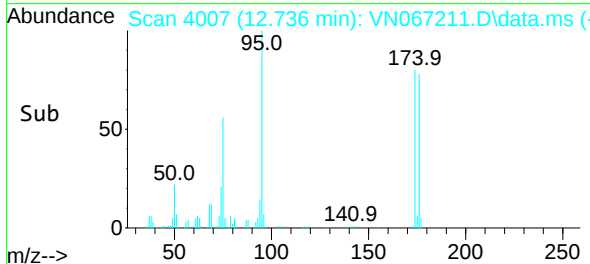
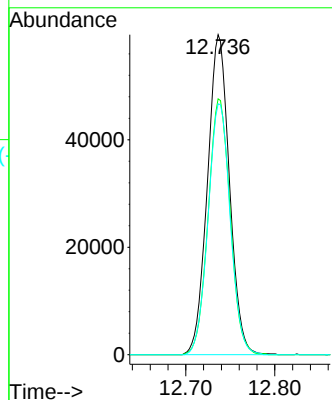
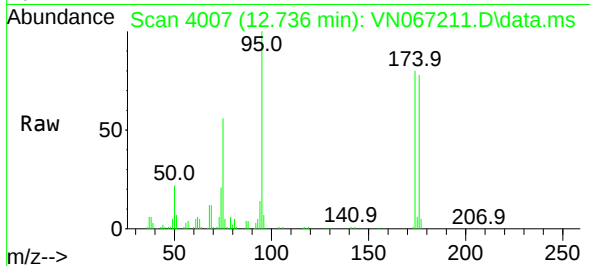




#62
4-Bromofluorobenzene
Concen: 43.409 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.000 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

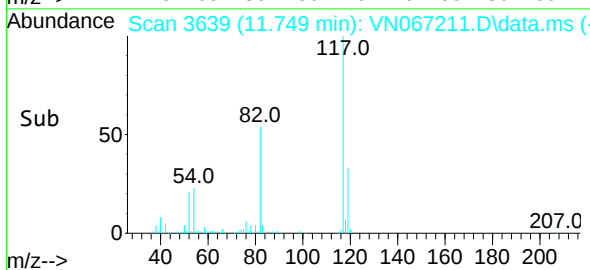
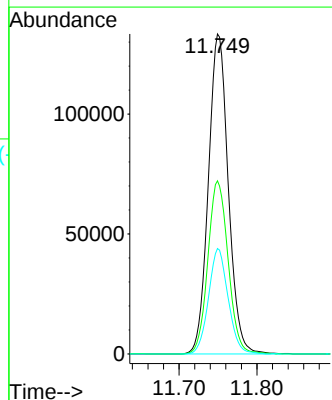
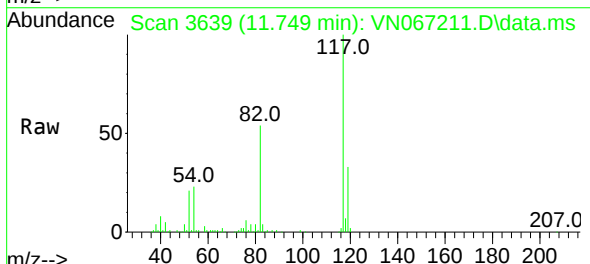
Instrument :
MSVOA_N
ClientSampleId :
18-B9(4-6)

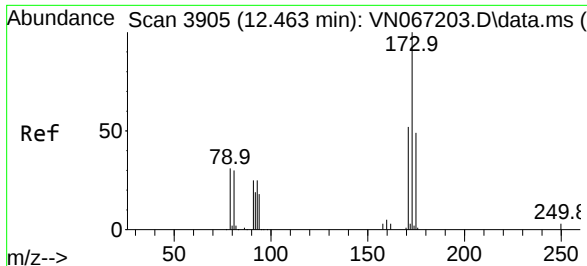
Tgt Ion: 95 Resp: 102249
Ion Ratio Lower Upper
95 100
174 80.1 0.0 182.8
176 79.0 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Tgt Ion: 117 Resp: 237267
Ion Ratio Lower Upper
117 100
82 54.1 42.2 63.2
119 33.0 25.8 38.6

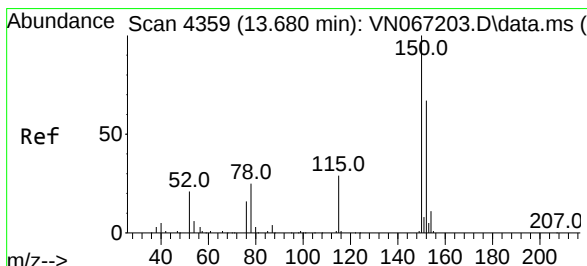
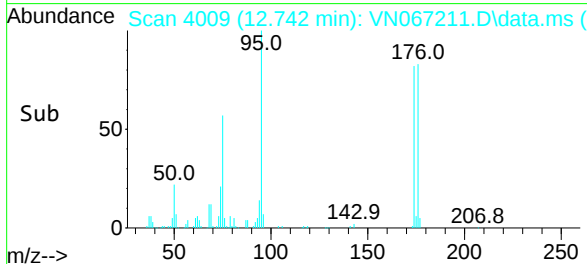
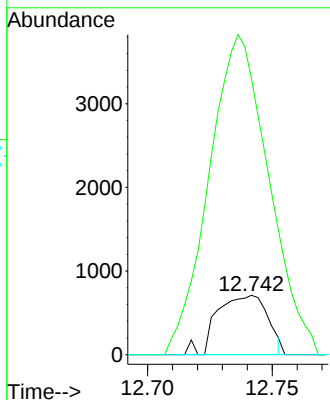
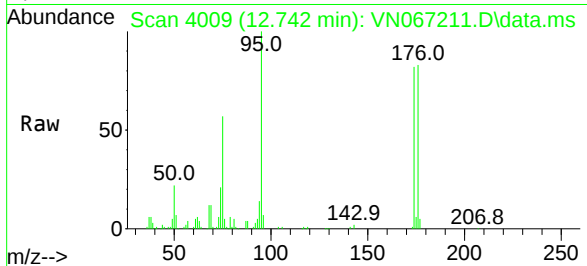




#71
Bromoform
Concen: 0.632 ug/l
RT: 12.742 min Scan# 4009
Delta R.T. 0.279 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

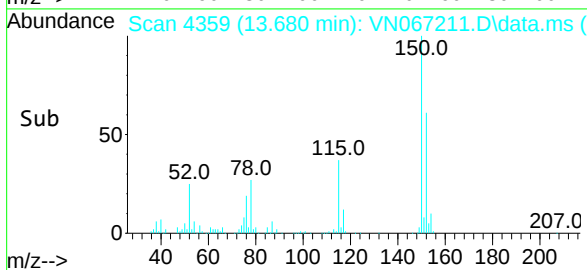
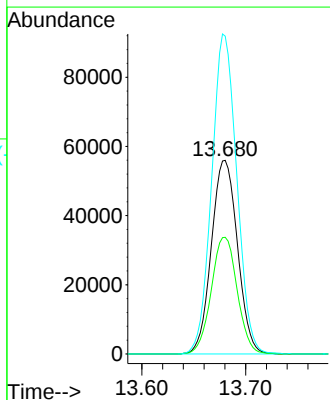
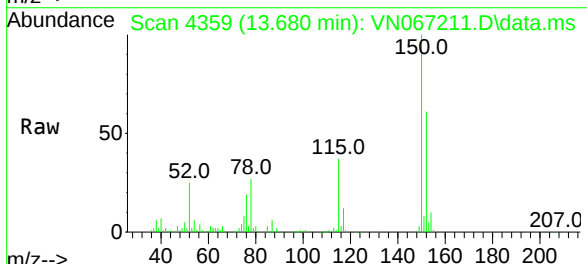
Instrument :
MSVOA_N
ClientSampleId :
18-B9(4-6)

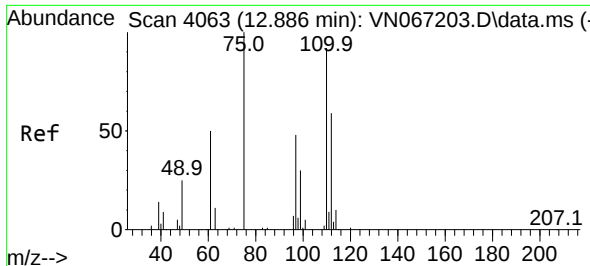
Tgt Ion:173 Resp: 1001
Ion Ratio Lower Upper
173 100
175 590.5 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.000 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Tgt Ion:152 Resp: 97888
Ion Ratio Lower Upper
152 100
115 59.9 27.0 80.8
150 158.8 0.0 350.2

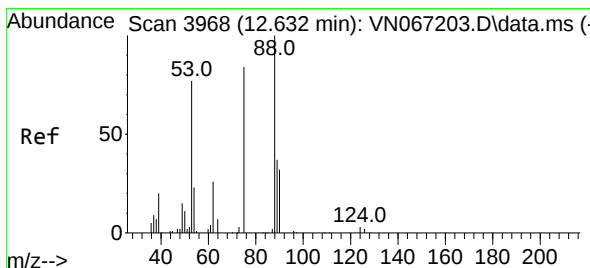
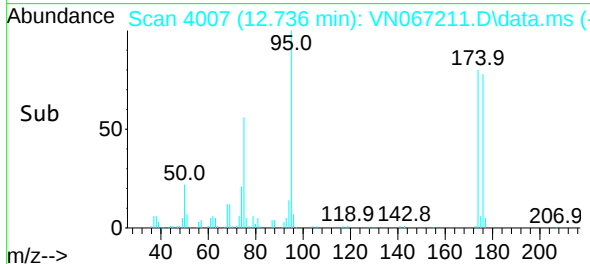
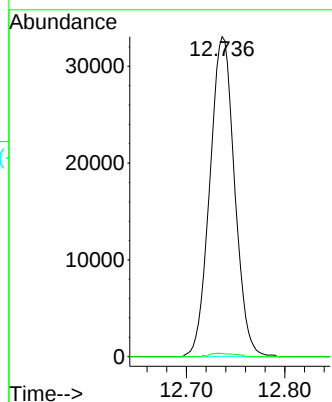
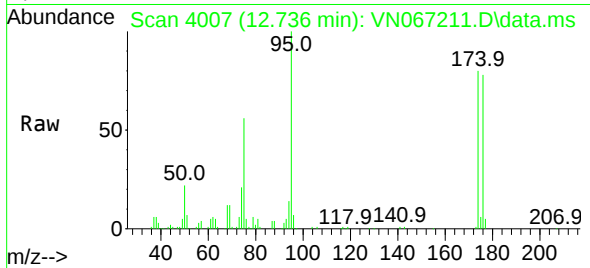




#76
1,2,3-Trichloropropane
Concen: 30.770 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

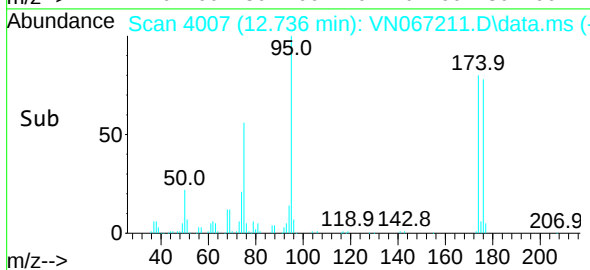
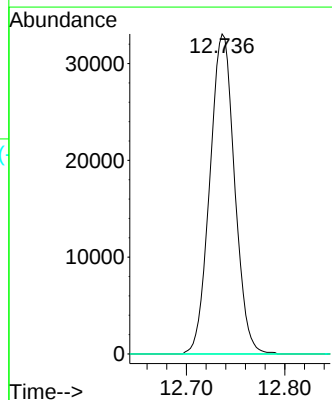
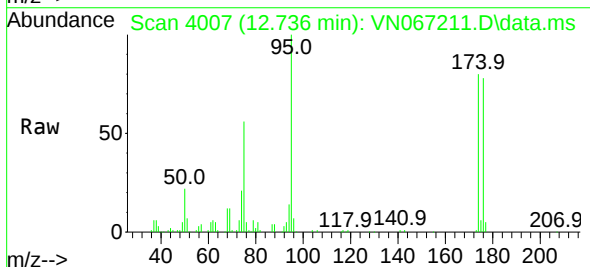
Instrument :
MSVOA_N
ClientSampleId :
18-B9(4-6)

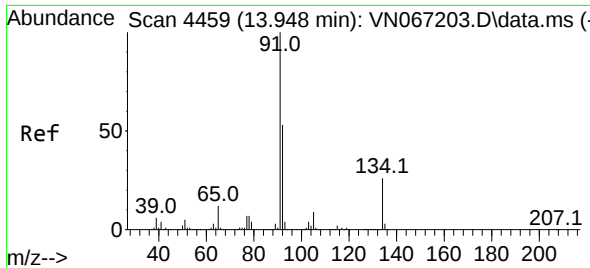
Tgt Ion: 75 Resp: 57922
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.284 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Tgt Ion: 75 Resp: 57922
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

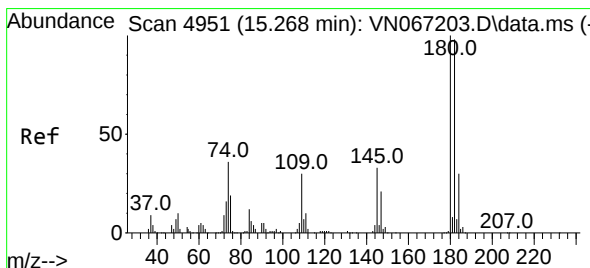
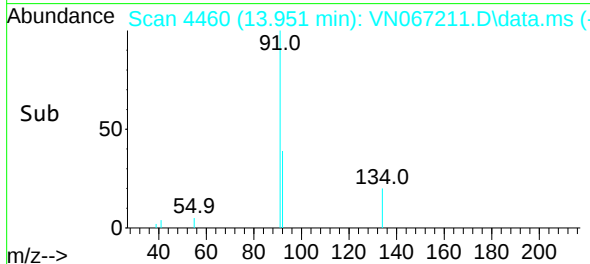
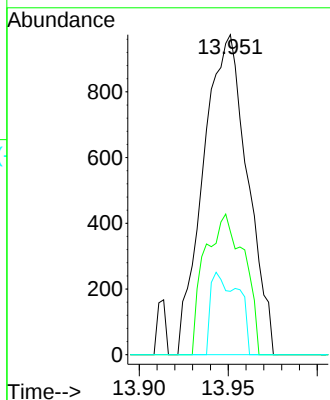
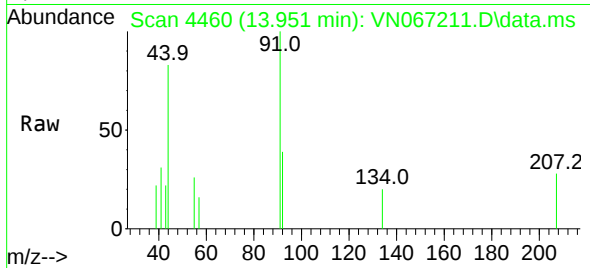




#89
n-Butylbenzene
Concen: 0.275 ug/l
RT: 13.951 min Scan# 4460
Delta R.T. 0.003 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

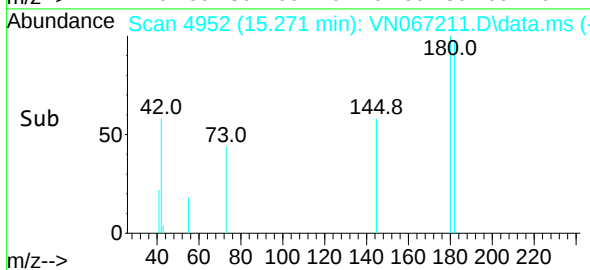
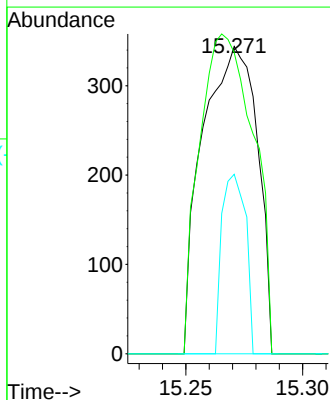
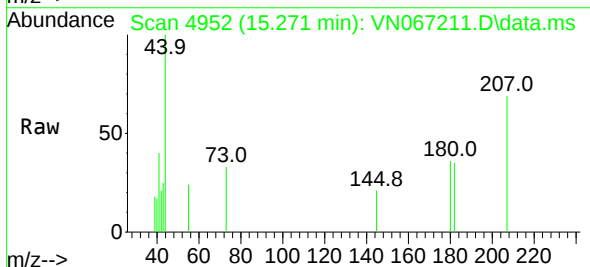
Instrument :
MSVOA_N
ClientSampleId :
18-B9(4-6)

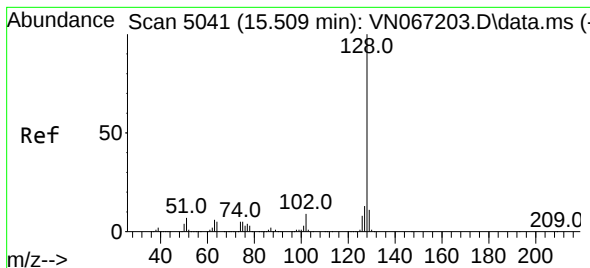
Tgt Ion: 91 Resp: 1679
Ion Ratio Lower Upper
91 100
92 39.2 26.5 79.5
134 10.4 14.3 42.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.382 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.003 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Tgt Ion: 180 Resp: 560
Ion Ratio Lower Upper
180 100
182 102.9 47.3 141.8
145 25.4 14.0 42.0

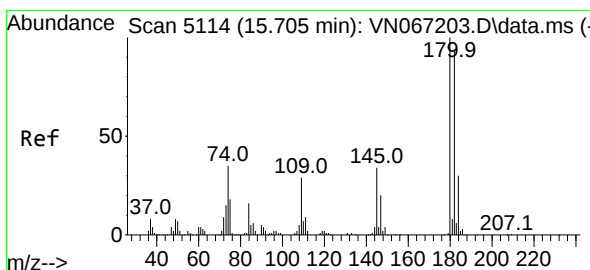
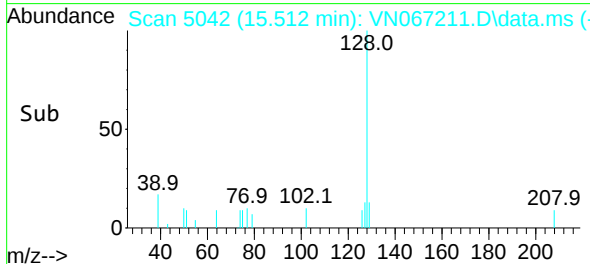
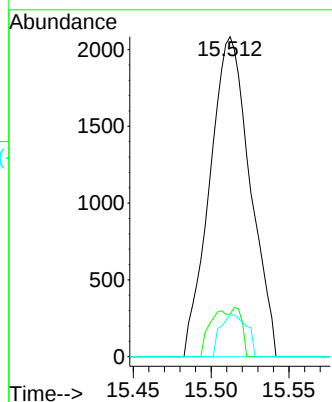
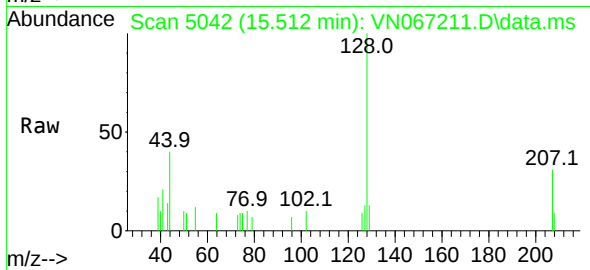




#95
Naphthalene
Concen: 5.210 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Instrument :
MSVOA_N
ClientSampleId :
18-B9(4-6)

Tgt Ion:128 Resp: 3751
Ion Ratio Lower Upper
128 100
127 6.3 10.2 15.2#
129 8.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.469 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.008 min
Lab File: VN067211.D
Acq: 4 Jun 2021 21:37

Tgt Ion:180 Resp: 610
Ion Ratio Lower Upper
180 100
182 101.1 48.5 145.6
145 3.9 15.4 46.2#

