

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060521\
 Data File : VN067231.D
 Acq On : 5 Jun 2021 15:38
 Operator : JC/MD
 Sample : M2589-34
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18-B11(0-2)

Quant Time: Jun 07 01:15:56 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)

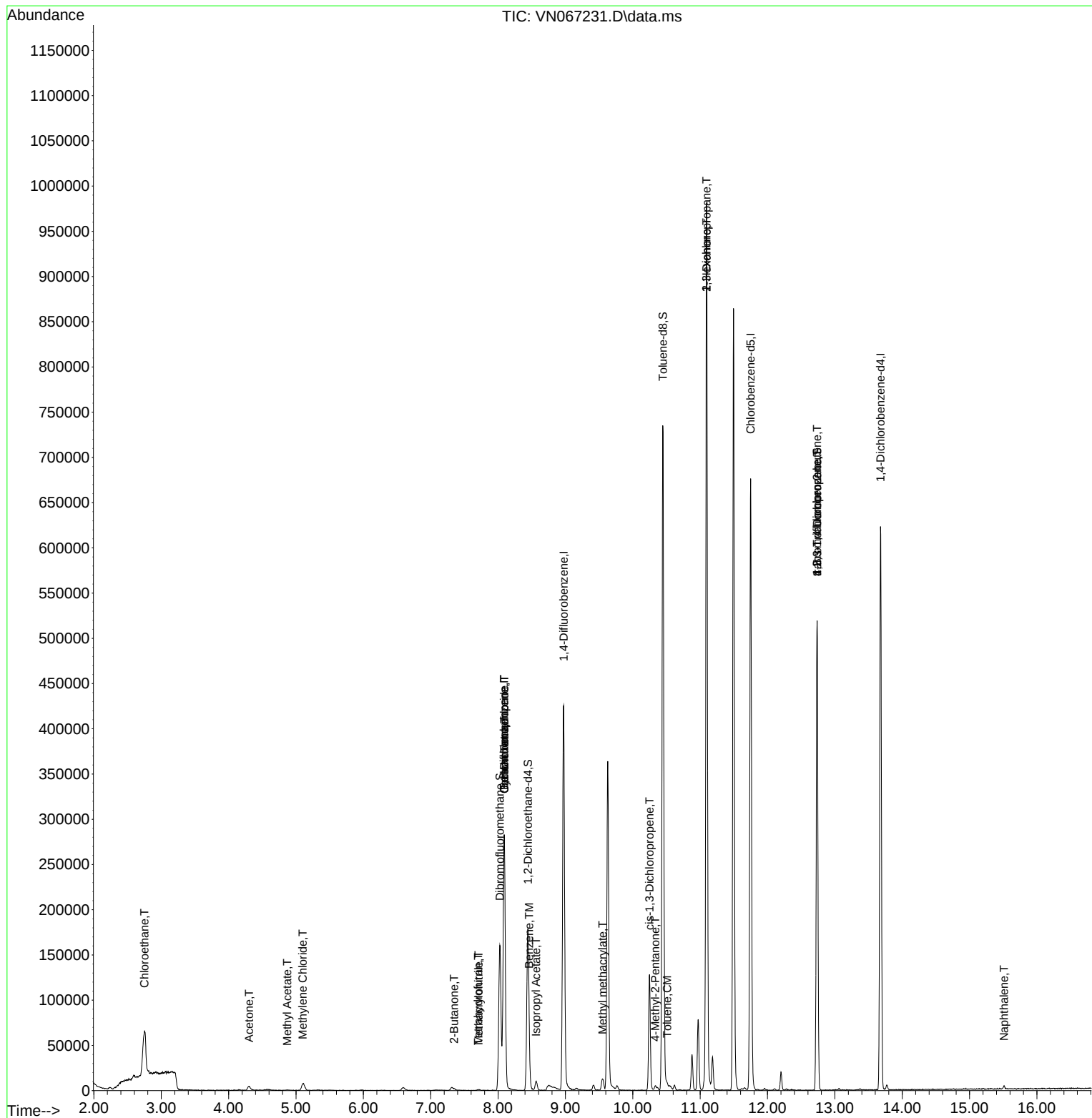
Internal Standards						
1) Pentafluorobenzene	8.091	168	223462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	387488	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	382838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	162417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	141730	46.529	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.060%		
35) Dibromofluoromethane	8.027	113	115946	48.267	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.540%		
50) Toluene-d8	10.446	98	508695	51.996	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.000%		
62) 4-Bromofluorobenzene	12.736	95	166369	44.154	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.300%		
Target Compounds						
					Qvalue	
6) Chloroethane	2.749	64	5165	1.855	ug/l #	63
16) Acetone	4.304	43	8686	8.264	ug/l	91
18) Methyl Acetate	4.870	43	763	0.256	ug/l #	48
20) Methylene Chloride	5.098	84	6686	2.526	ug/l #	92
25) 2-Butanone	7.348	43	2919	1.734	ug/l #	88
29) Tetrahydrofuran	7.702	42	432	0.432	ug/l #	41
31) Cyclohexane	8.094	56	5613	1.372	ug/l #	53
36) 1,1-Dichloropropene	8.091	75	17583	4.913	ug/l #	47
38) Carbon Tetrachloride	8.094	117	22146	5.666	ug/l #	14
40) Benzene	8.461	78	3778	0.340	ug/l	98
41) Methacrylonitrile	7.713	41	578	0.324	ug/l #	12
43) Isopropyl Acetate	8.563	43	12294	1.874	ug/l #	83
48) Methyl methacrylate	9.553	41	4214	1.482	ug/l #	19
51) 4-Methyl-2-Pentanone	10.333	43	2371	0.617	ug/l #	78
52) Toluene	10.510	92	1543	0.211	ug/l	89
54) cis-1,3-Dichloropropene	10.247	75	23387	4.935	ug/l #	70
57) 1,3-Dichloropropane	11.095	76	10103	2.205	ug/l #	42
59) 2-Hexanone	11.095	43	153520	54.949	ug/l #	44
76) 1,2,3-Trichloropropane	12.736	75	92425	29.591	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	92425	72.401	ug/l #	15
95) Naphthalene	15.512	128	3513	4.868	ug/l #	92

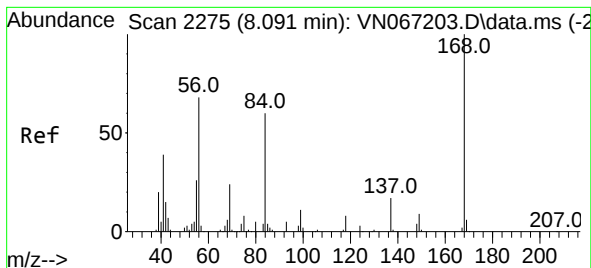
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.091 min Scan# 2275

Delta R.T. 0.000 min

Lab File: VN067231.D

Acq: 5 Jun 2021 15:38

Tgt Ion:168 Resp: 223462

Ion Ratio Lower Upper

168 100

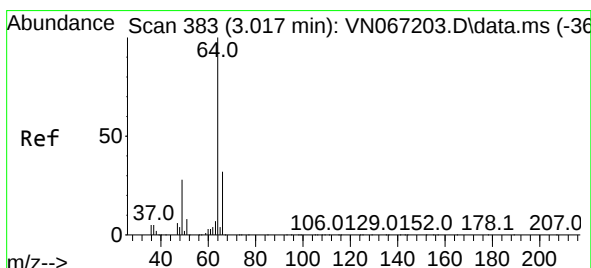
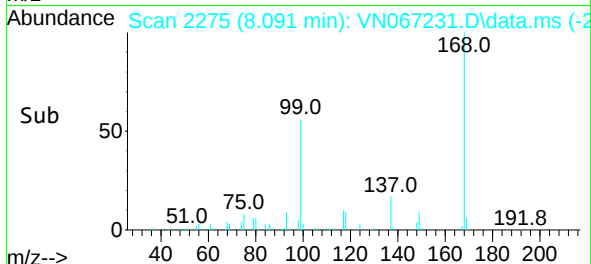
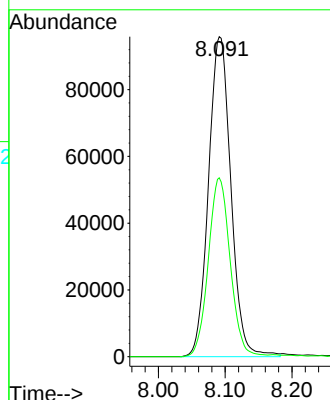
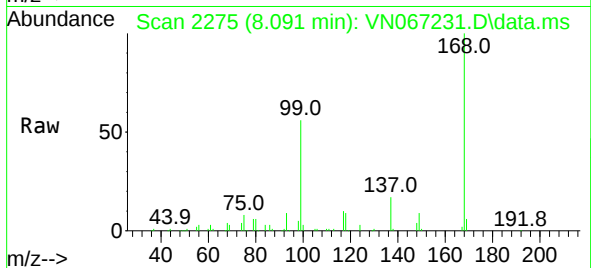
99 55.9 38.5 57.7

Instrument :

MSVOA_N

ClientSampleId :

18-B11(0-2)



#6

Chloroethane

Concen: 1.855 ug/l

RT: 2.749 min Scan# 283

Delta R.T. -0.268 min

Lab File: VN067231.D

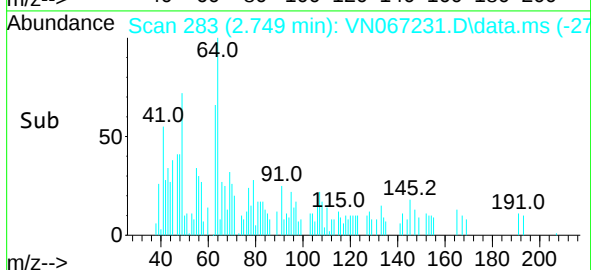
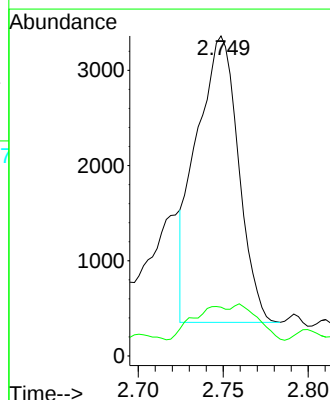
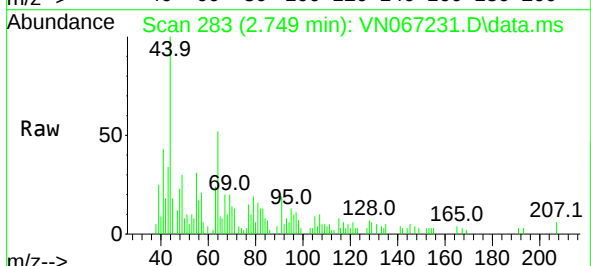
Acq: 5 Jun 2021 15:38

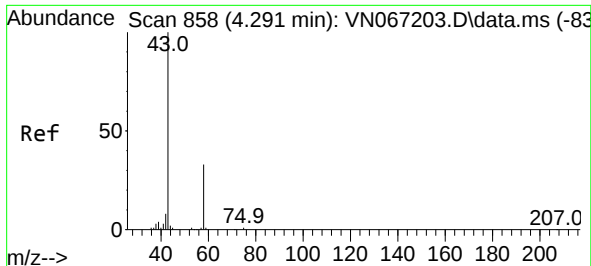
Tgt Ion: 64 Resp: 5165

Ion Ratio Lower Upper

64 100

66 11.1 25.0 37.6#

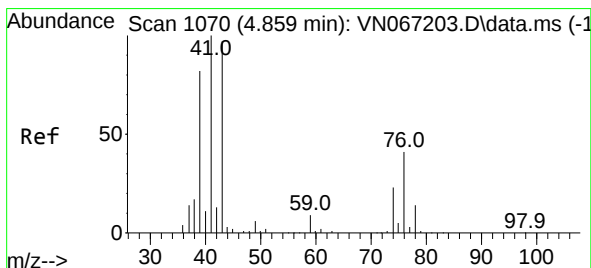
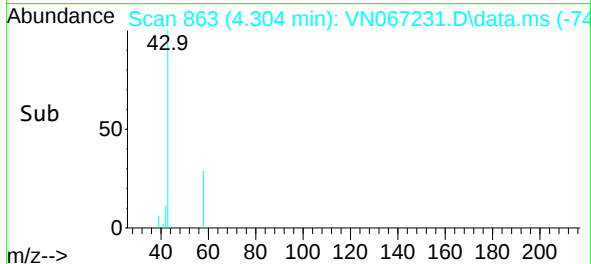
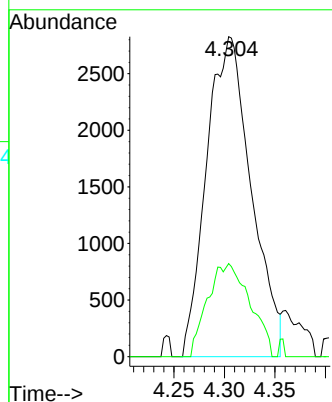
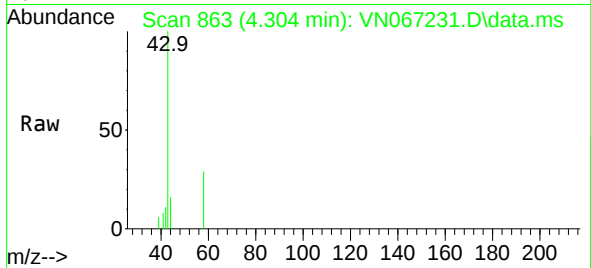




#16
Acetone
Concen: 8.264 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

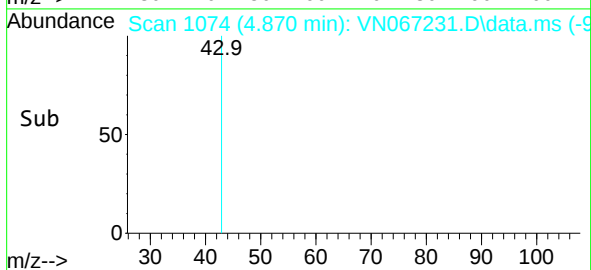
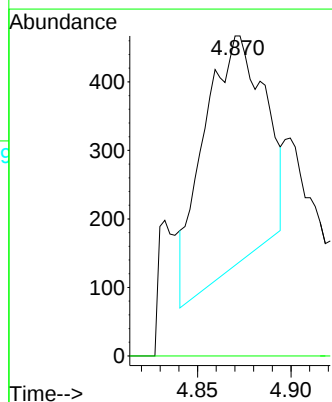
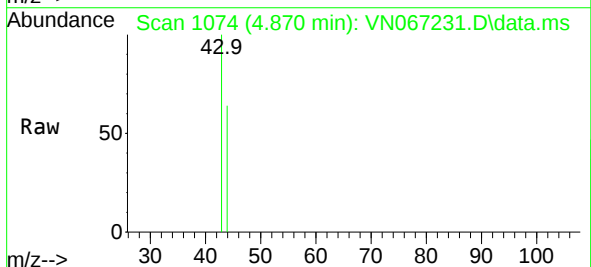
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

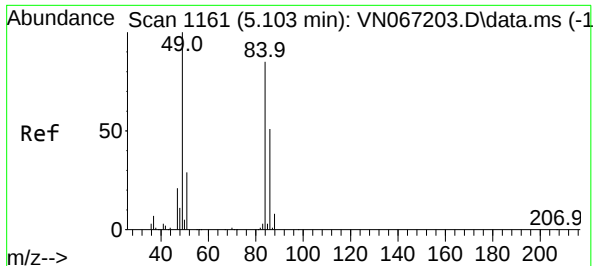
Tgt Ion: 43 Resp: 8686
Ion Ratio Lower Upper
43 100
58 29.1 27.2 40.8



#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.011 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

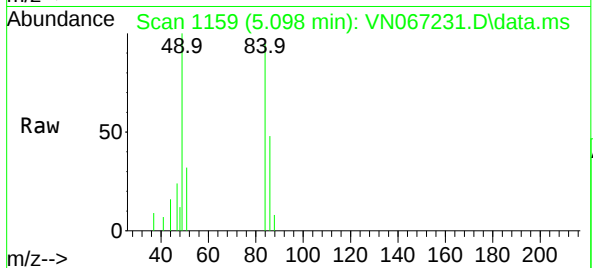
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.2#



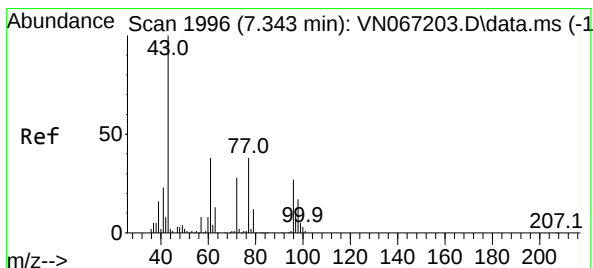
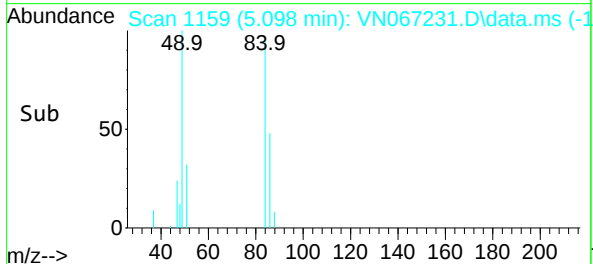
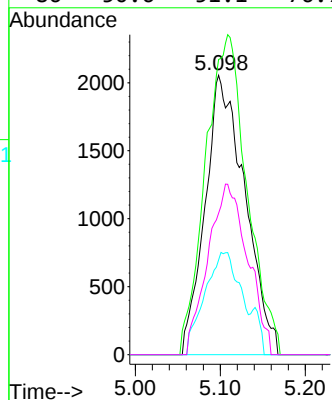


#20
Methylene Chloride
Concen: 2.526 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. -0.005 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

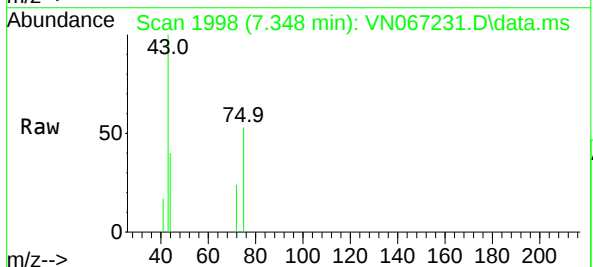
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)



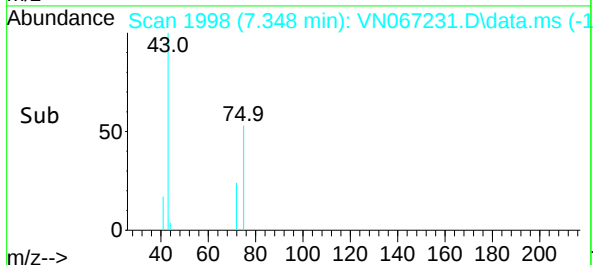
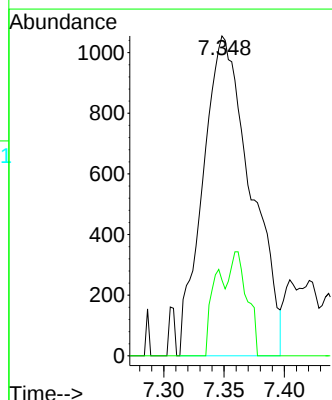
Tgt Ion:	84	Resp:	6686
Ion	Ratio	Lower	Upper
84	100		
49	105.7	88.3	132.5
51	33.9	26.7	40.1
86	50.6	51.1	76.7#

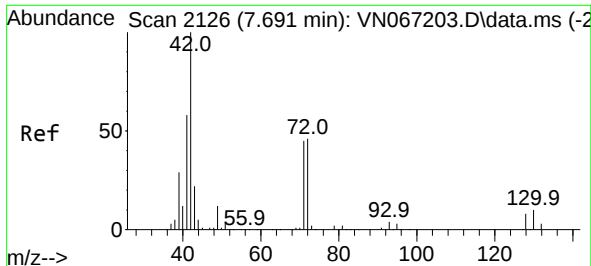


#25
2-Butanone
Concen: 1.734 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.005 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38



Tgt Ion:	43	Resp:	2919
Ion	Ratio	Lower	Upper
43	100		
72	23.7	24.4	36.6#





#29

Tetrahydrofuran

Concen: 0.432 ug/l

RT: 7.702 min Scan# 2130

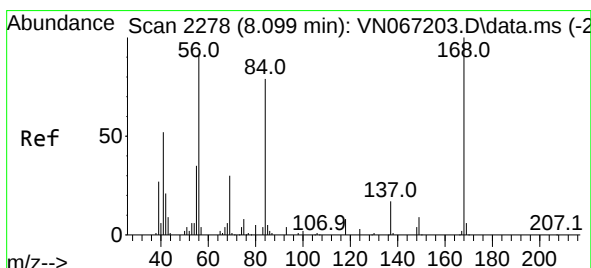
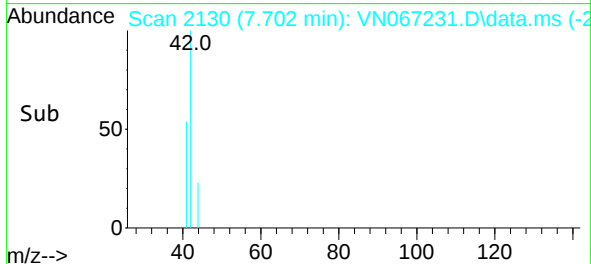
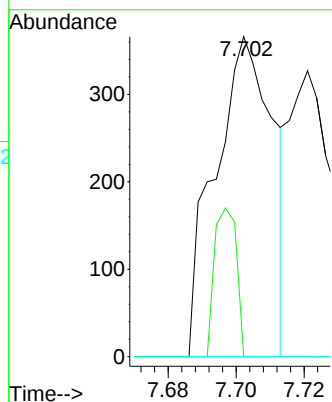
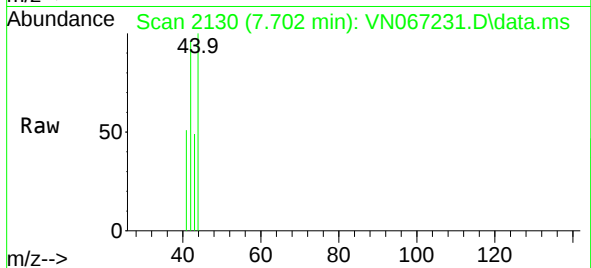
Delta R.T. 0.011 min

Lab File: VN067231.D

Acq: 5 Jun 2021 15:38

Tgt Ion:	42	Resp:	432
Ion	Ratio	Lower	Upper
42	100		
72	17.6	40.1	60.1#
71	0.0	37.9	56.9#

Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)



#31

Cyclohexane

Concen: 1.372 ug/l

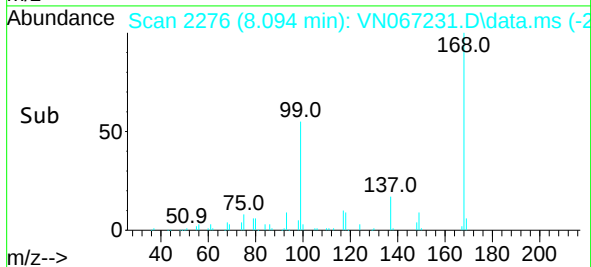
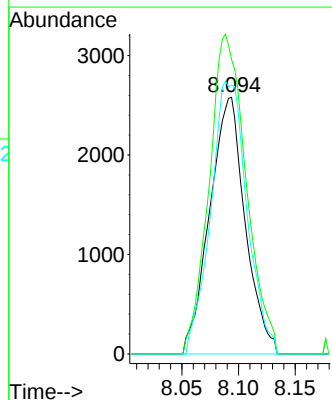
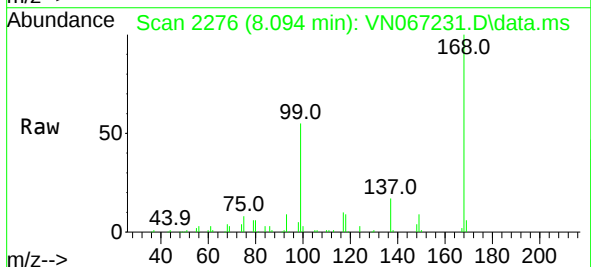
RT: 8.094 min Scan# 2276

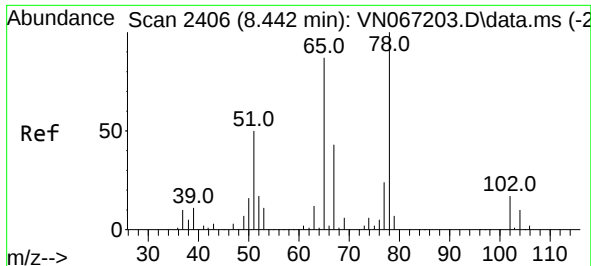
Delta R.T. -0.005 min

Lab File: VN067231.D

Acq: 5 Jun 2021 15:38

Tgt Ion:	56	Resp:	5613
Ion	Ratio	Lower	Upper
56	100		
69	114.7	28.0	42.0#
84	104.7	74.2	111.2



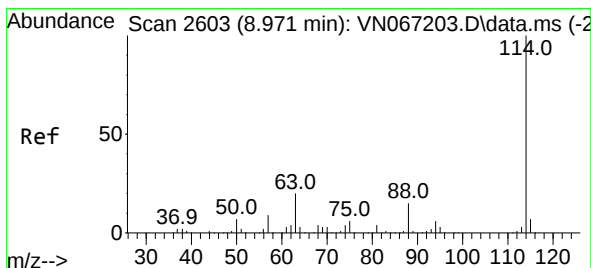
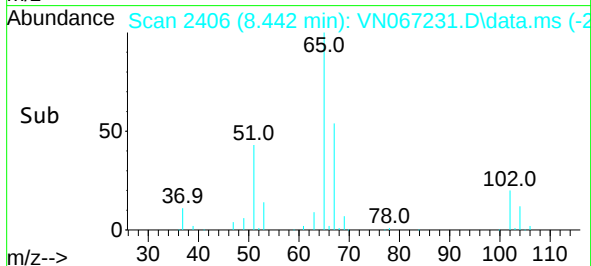
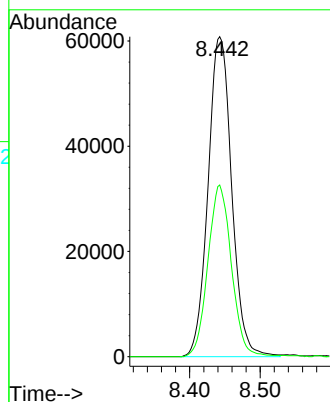
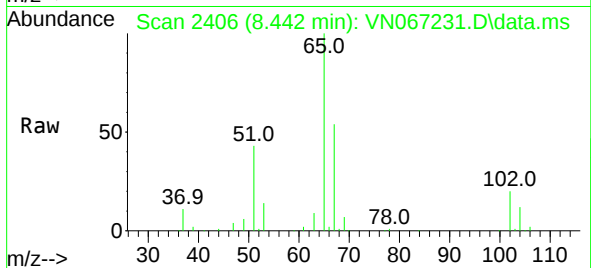


#33

1,2-Dichloroethane-d4
Concen: 46.529 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

Instrument :
MSVOA_N
ClientSampled :
18-B11(0-2)

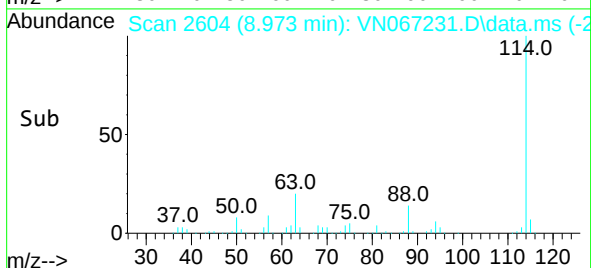
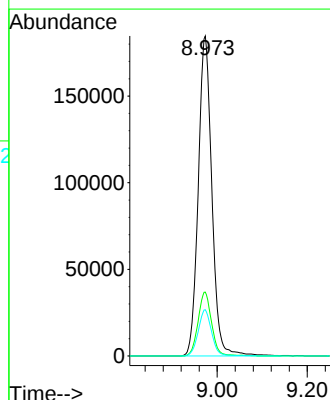
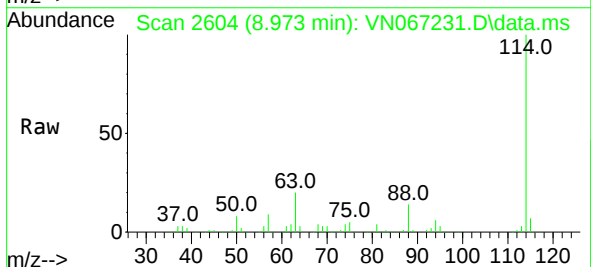
Tgt Ion: 65 Resp: 141730
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.4

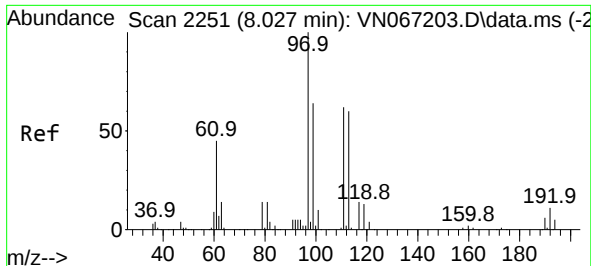


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.003 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

Tgt Ion: 114 Resp: 387488
Ion Ratio Lower Upper
114 100
63 19.9 0.0 35.8
88 14.5 0.0 30.4

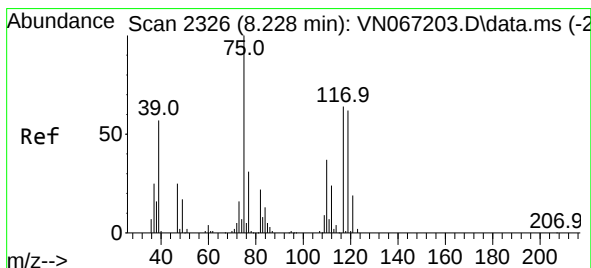
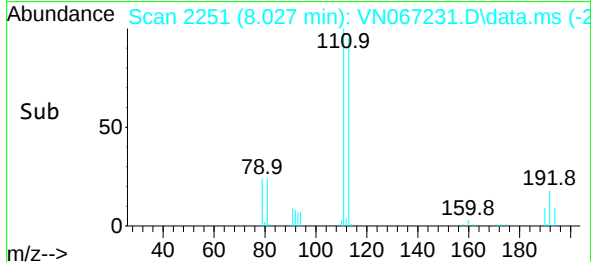
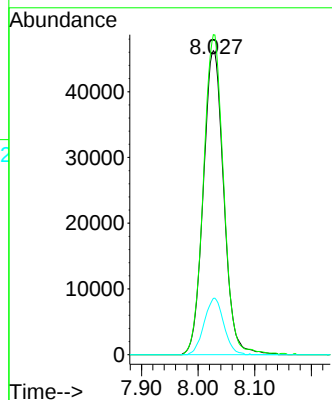
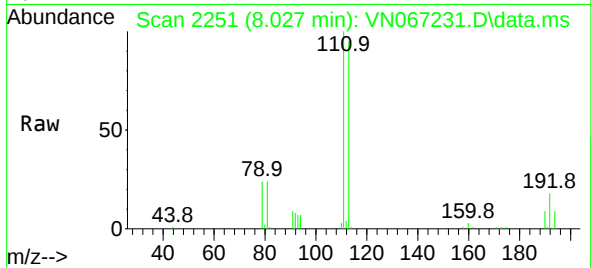




#35
Dibromofluoromethane
Concen: 48.267 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

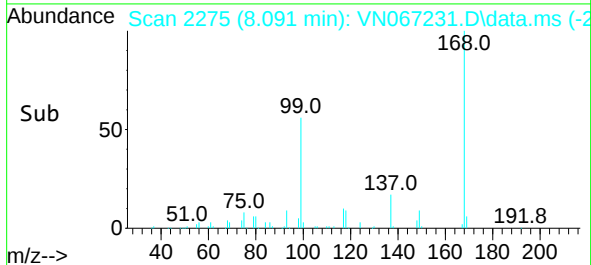
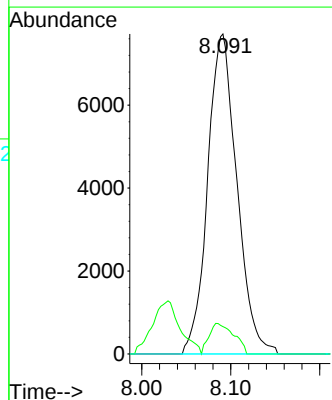
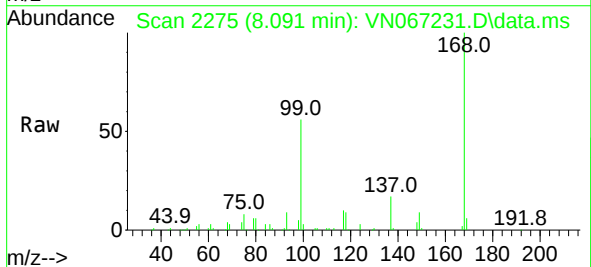
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

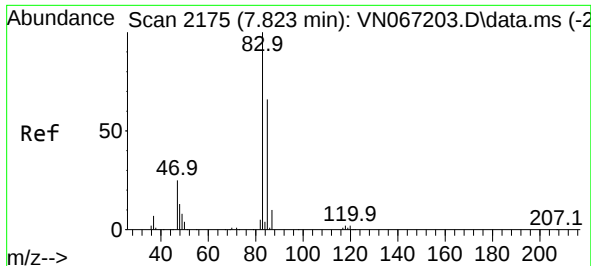
Tgt Ion:113 Resp: 115946
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 17.9 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 4.913 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.137 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

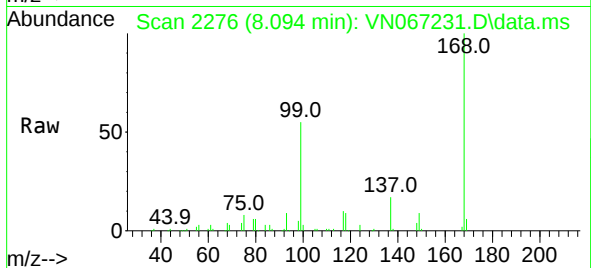
Tgt Ion: 75 Resp: 17583
Ion Ratio Lower Upper
75 100
110 8.1 19.1 57.3#
77 0.0 24.8 37.2#



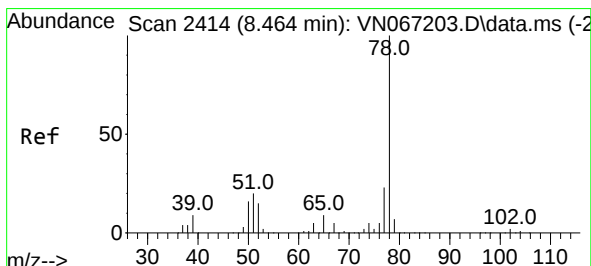
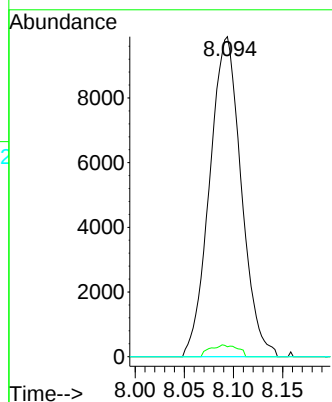
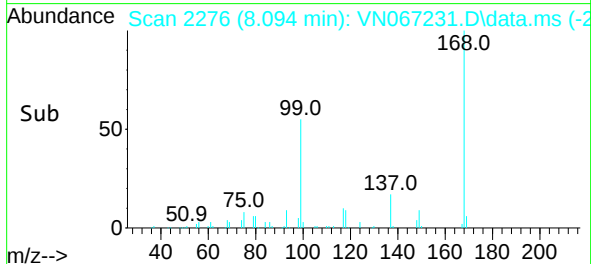


#38
Carbon Tetrachloride
Concen: 5.666 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.118 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

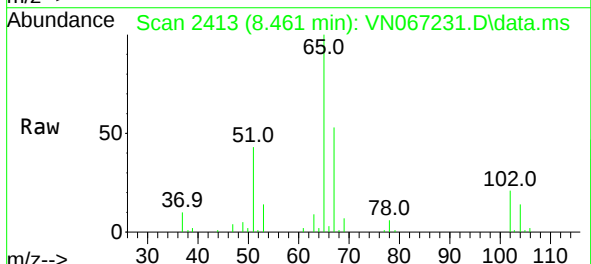
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)



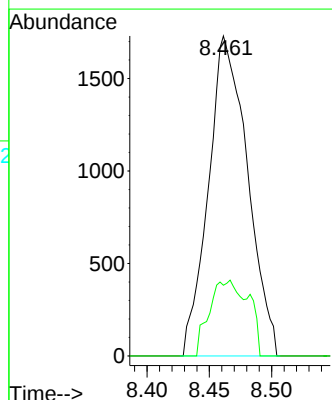
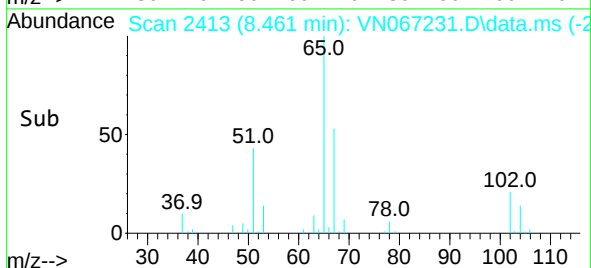
Tgt Ion:117 Resp: 22146
Ion Ratio Lower Upper
117 100
119 3.1 78.2 117.2#
121 0.0 24.7 37.1#

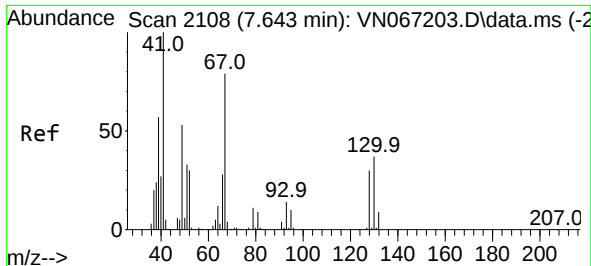


#40
Benzene
Concen: 0.340 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. -0.003 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38



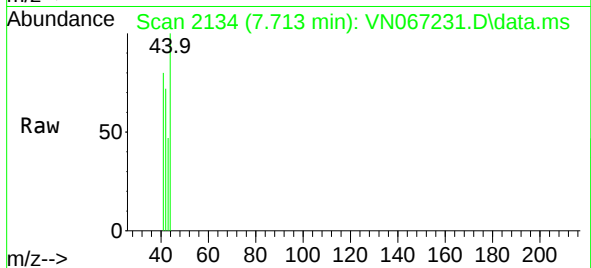
Tgt Ion: 78 Resp: 3778
Ion Ratio Lower Upper
78 100
77 22.1 18.4 27.6



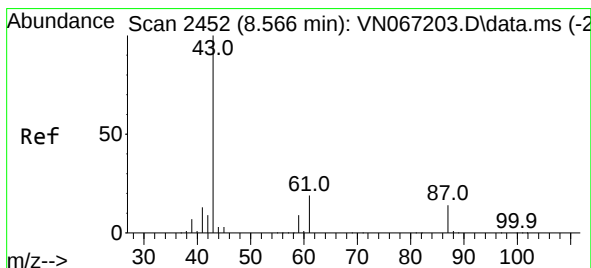
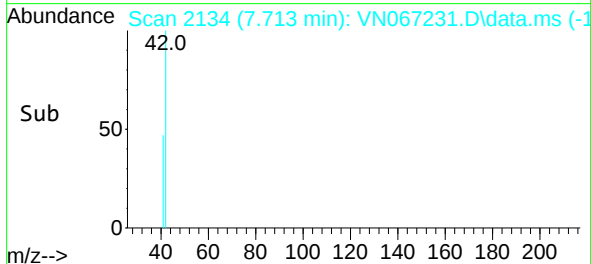
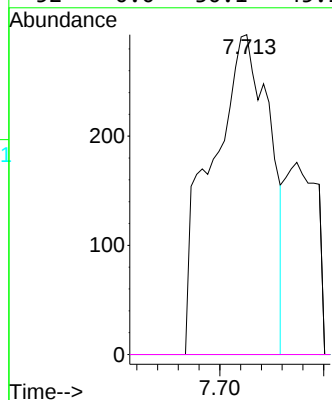


#41
Methacrylonitrile
Concen: 0.324 ug/l
RT: 7.713 min Scan# 2134
Delta R.T. 0.070 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

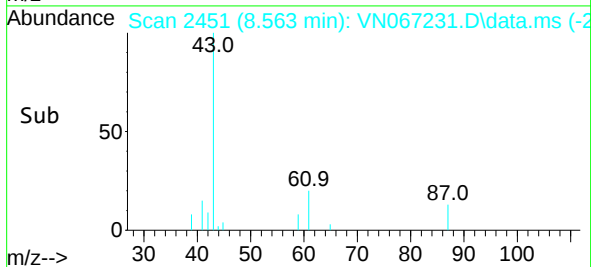
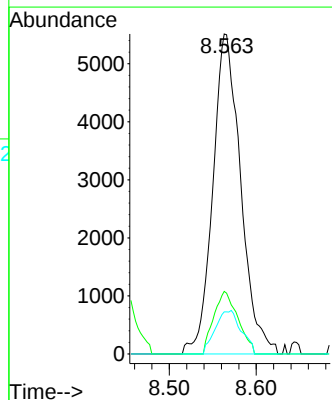
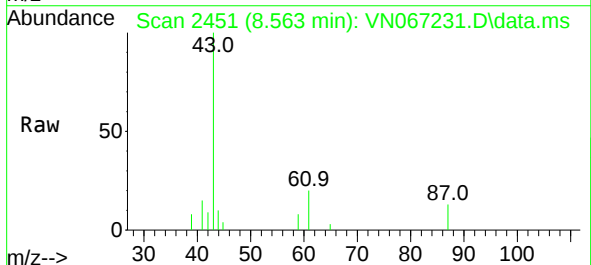


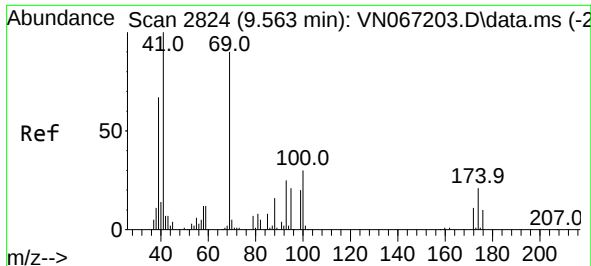
Tgt Ion: 41 Resp: 578
Ion Ratio Lower Upper
41 100
39 0.0 45.3 67.9#
67 0.0 85.1 127.7#
52 0.0 30.1 45.1#



#43
Isopropyl Acetate
Concen: 1.874 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. -0.003 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

Tgt Ion: 43 Resp: 12294
Ion Ratio Lower Upper
43 100
61 17.0 23.4 35.0#
87 12.6 12.2 18.2

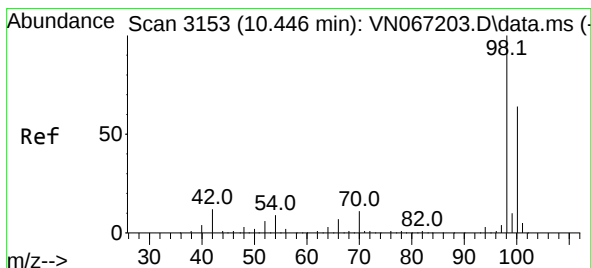
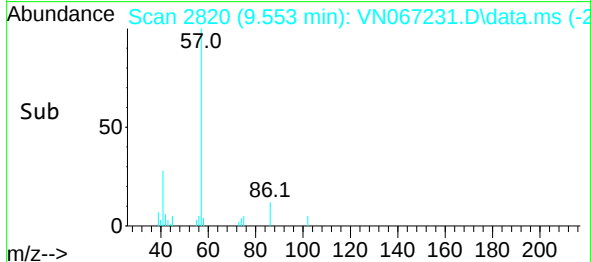
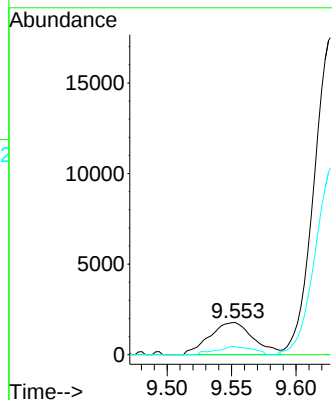
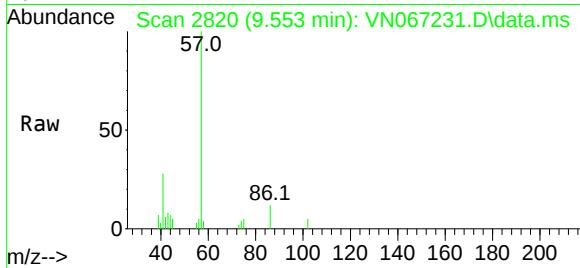




#48
Methyl methacrylate
Concen: 1.482 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.011 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

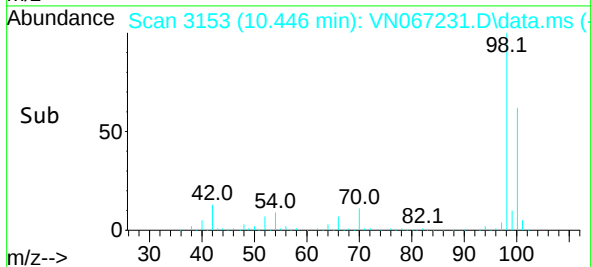
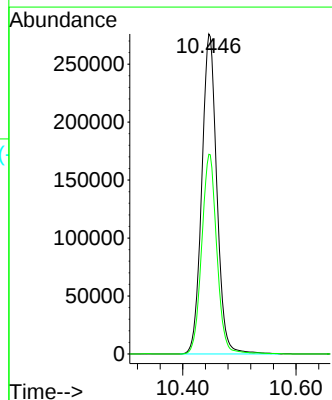
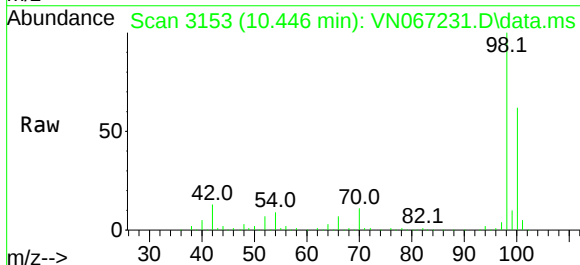
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

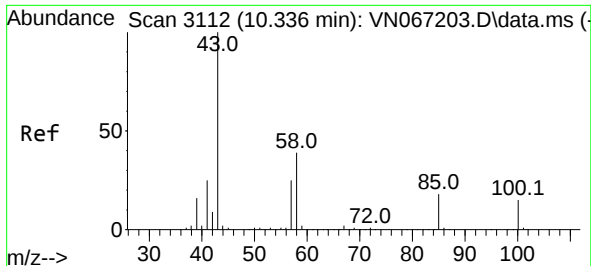
Tgt Ion: 41 Resp: 4214
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 21.1 41.4 62.0#



#50
Toluene-d8
Concen: 51.996 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

Tgt Ion: 98 Resp: 508695
Ion Ratio Lower Upper
98 100
100 62.5 51.8 77.8

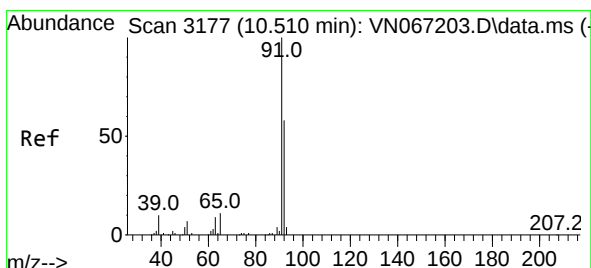
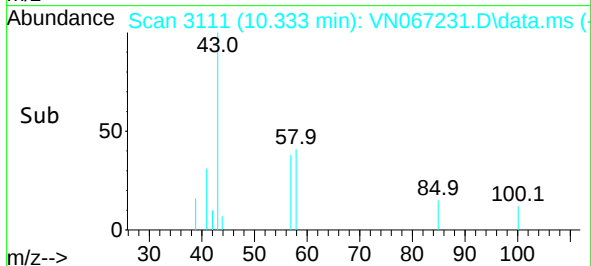
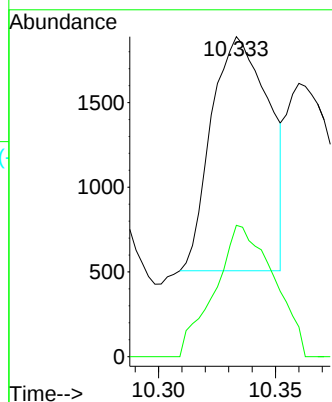
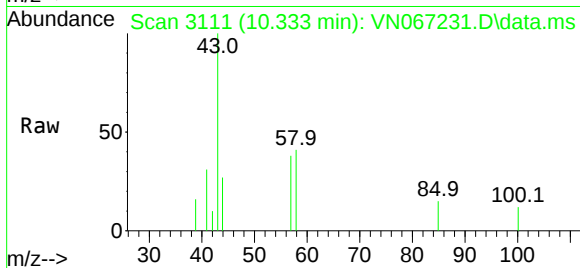




#51
4-Methyl-2-Pentanone
Concen: 0.617 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. -0.003 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

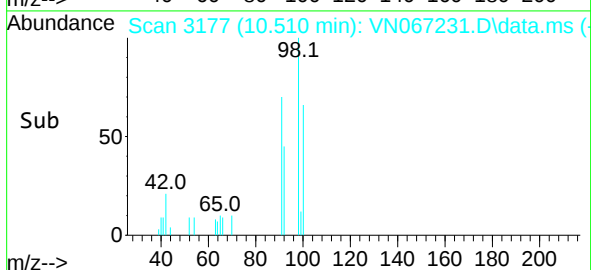
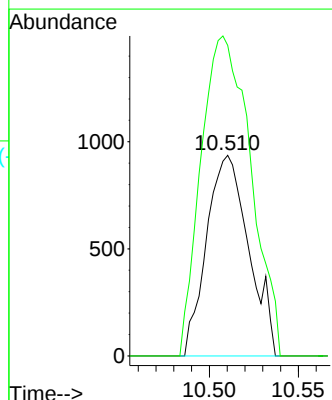
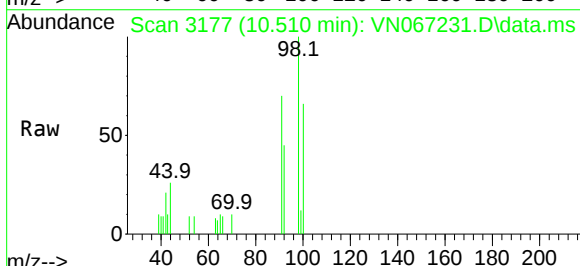
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

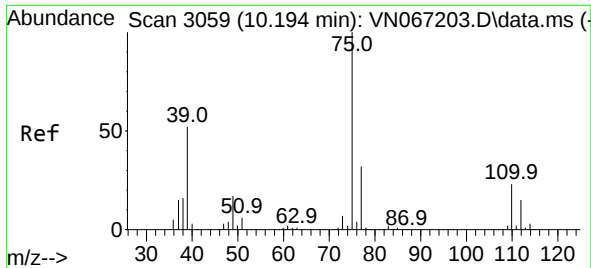
Tgt Ion: 43 Resp: 2371
Ion Ratio Lower Upper
43 100
58 57.2 34.5 51.7#



#52
Toluene
Concen: 0.211 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.000 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

Tgt Ion: 92 Resp: 1543
Ion Ratio Lower Upper
92 100
91 188.1 138.7 208.1

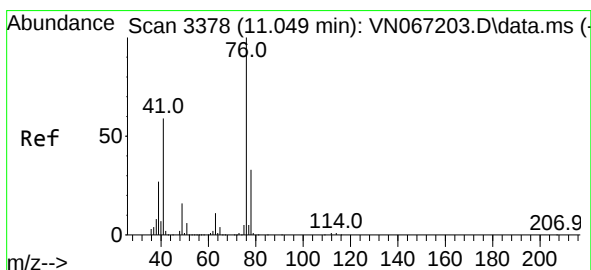
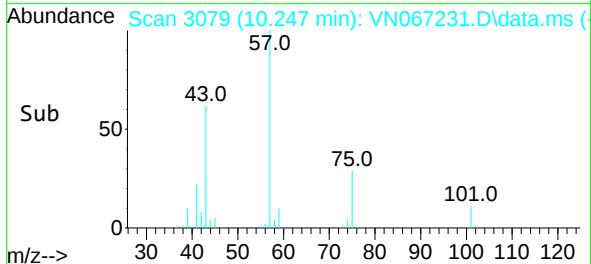
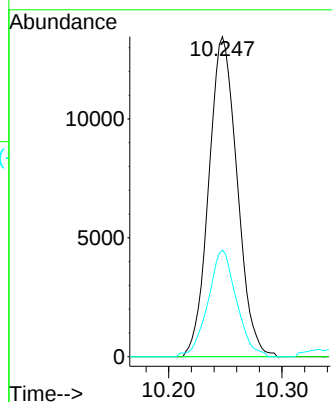
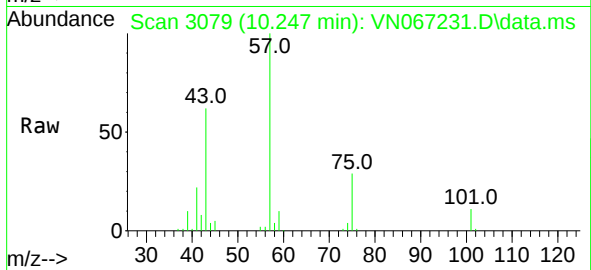




#54
 cis-1,3-Dichloropropene
 Concen: 4.935 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.054 min
 Lab File: VN067231.D
 Acq: 5 Jun 2021 15:38

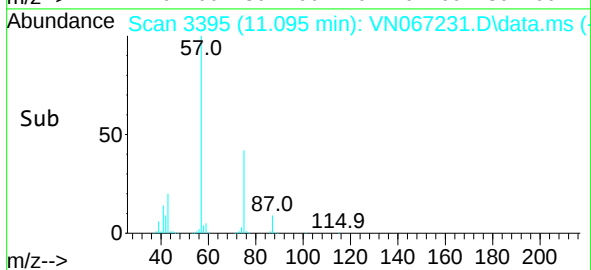
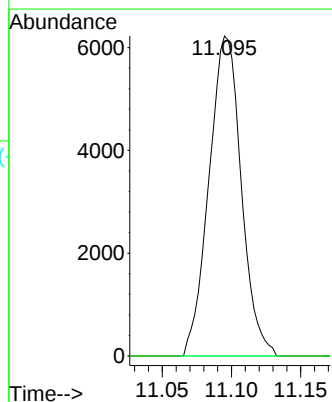
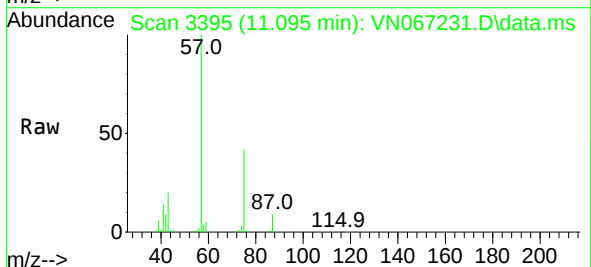
Instrument :
 MSVOA_N
 ClientSampleId :
 18-B11(0-2)

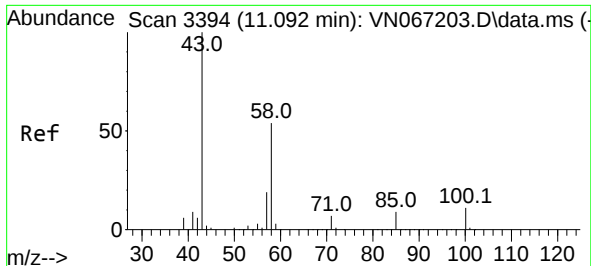
Tgt Ion: 75 Resp: 23387
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 33.3 30.9 46.3



#57
 1,3-Dichloropropane
 Concen: 2.205 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.046 min
 Lab File: VN067231.D
 Acq: 5 Jun 2021 15:38

Tgt Ion: 76 Resp: 10103
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#

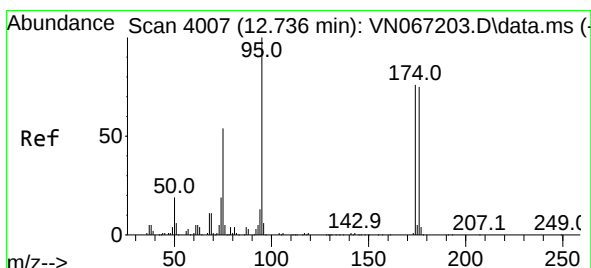
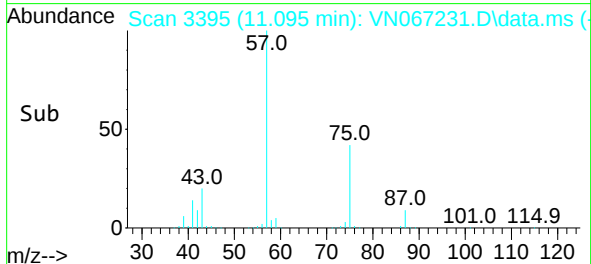
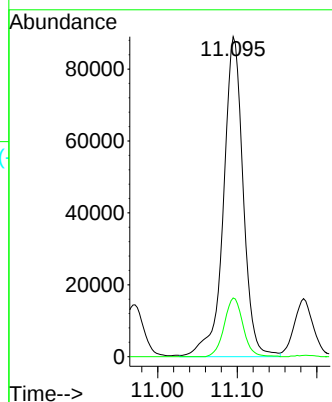
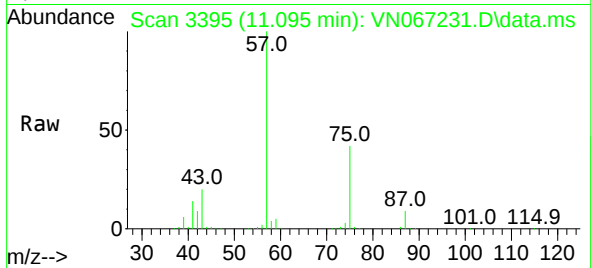




#59
2-Hexanone
Concen: 54.949 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

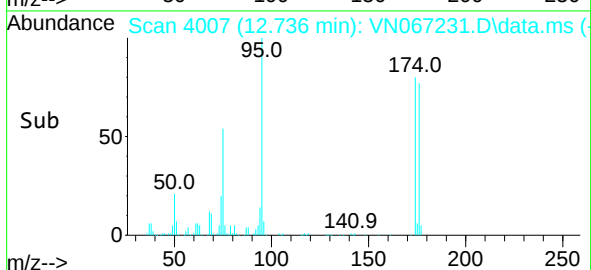
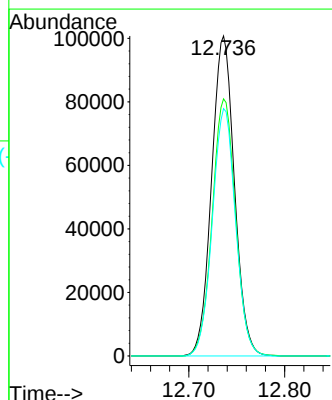
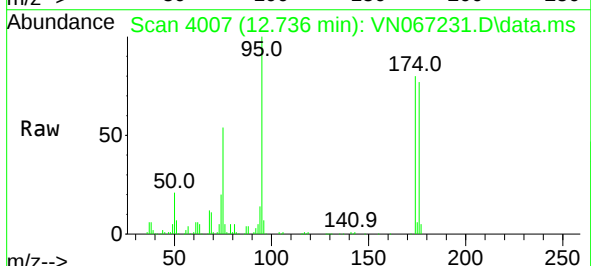
Instrument :
MSVOA_N
ClientSampled :
18-B11(0-2)

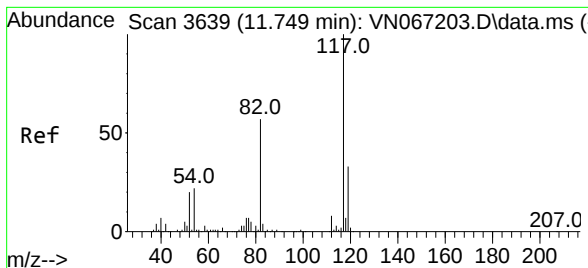
Tgt Ion: 43 Resp: 153520
Ion Ratio Lower Upper
43 100
58 17.5 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 44.154 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.000 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

Tgt Ion: 95 Resp: 166369
Ion Ratio Lower Upper
95 100
174 82.2 0.0 182.8
176 78.7 0.0 176.6

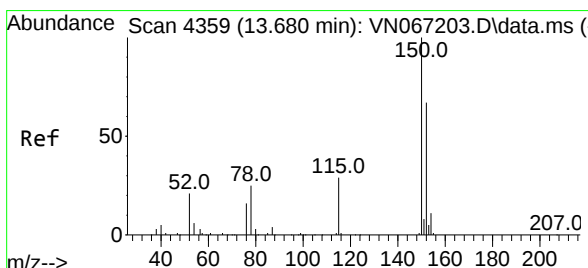
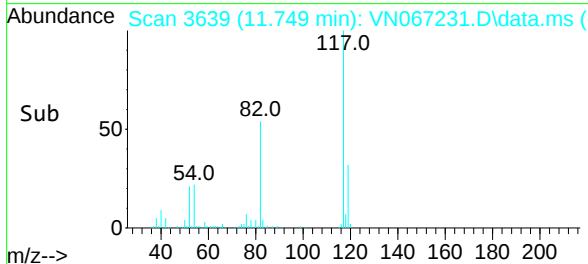
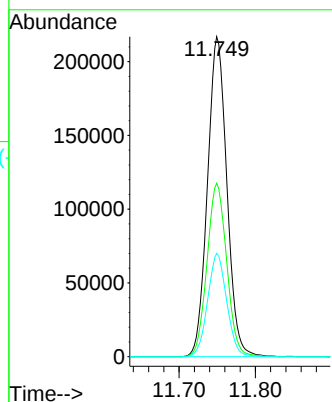
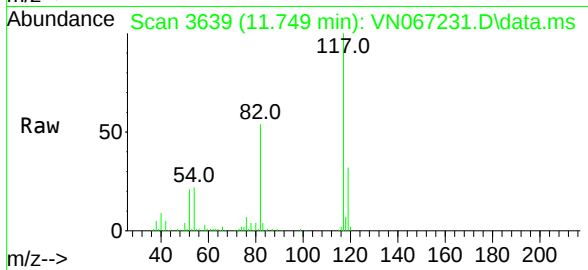




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

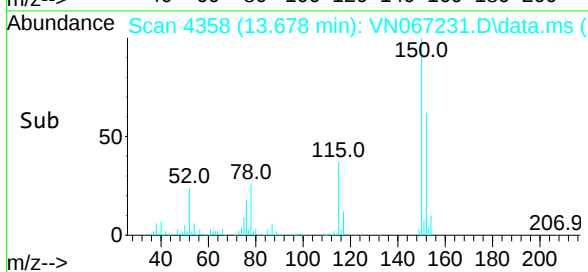
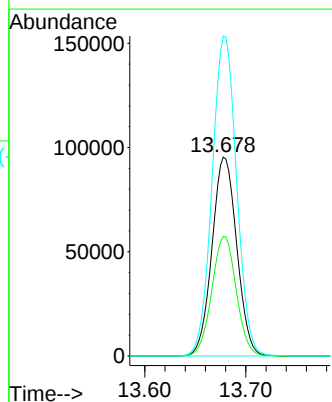
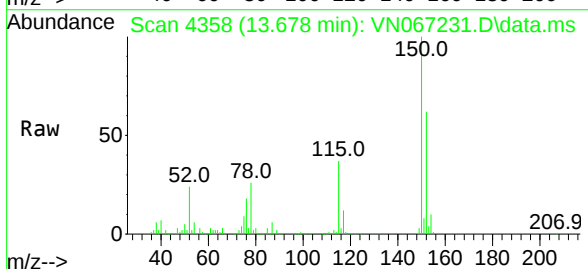
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

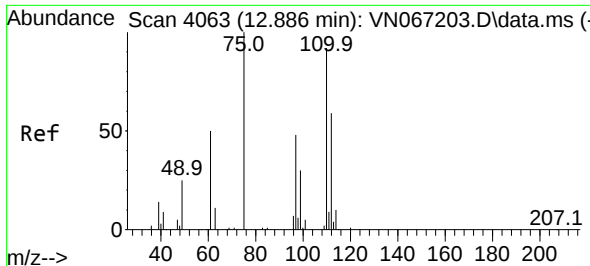
Tgt Ion:117 Resp: 382838
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.2
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

Tgt Ion:152 Resp: 162417
Ion Ratio Lower Upper
152 100
115 59.4 27.0 80.8
150 159.3 0.0 350.2

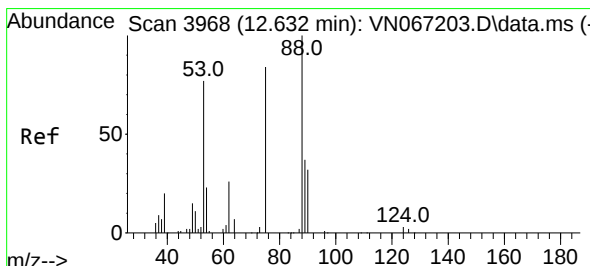
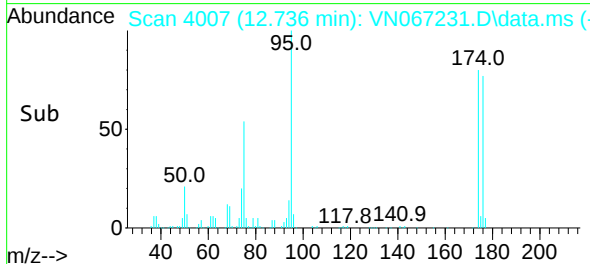
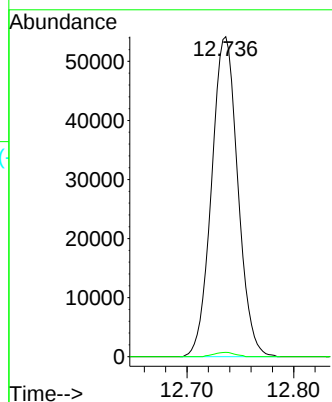
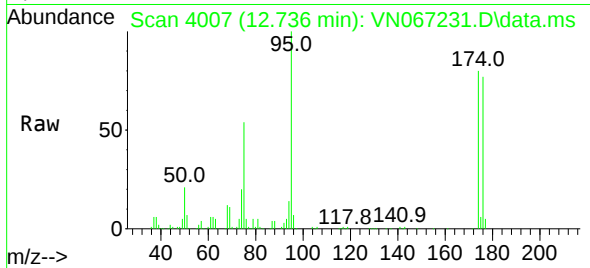




#76
1,2,3-Trichloropropane
Concen: 29.591 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

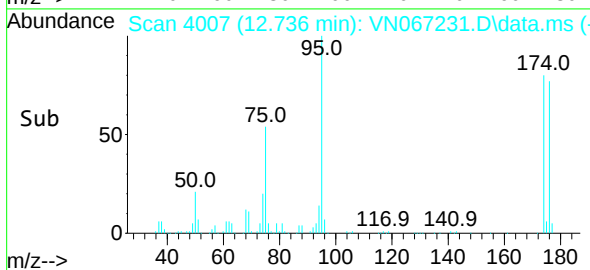
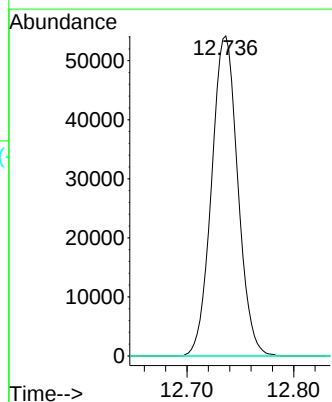
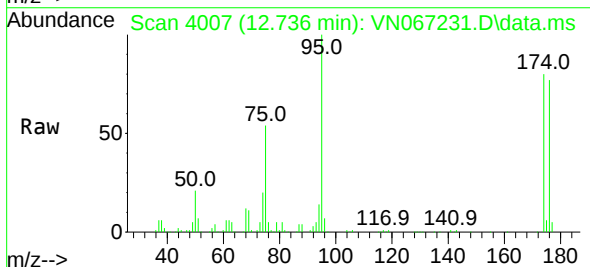
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

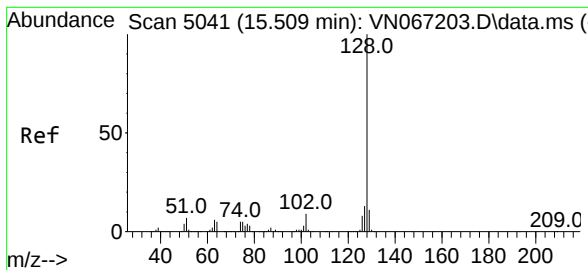
Tgt Ion: 75 Resp: 92425
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.401 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

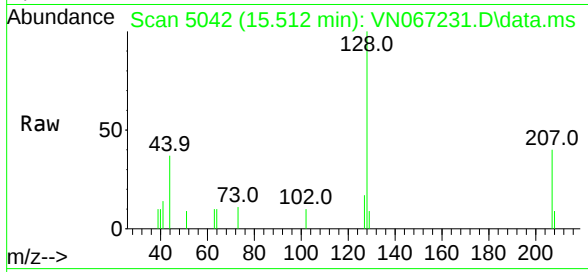
Tgt Ion: 75 Resp: 92425
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 4.868 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN067231.D
Acq: 5 Jun 2021 15:38

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:128 Resp: 3513
Ion Ratio Lower Upper
128 100
127 10.6 10.2 15.2
129 6.2 8.6 13.0#

