

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060521\
 Data File : VN067229.D
 Acq On : 5 Jun 2021 14:51
 Operator : JC/MD
 Sample : M2589-32
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18-B10(2-4)

Quant Time: Jun 07 01:15:20 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)

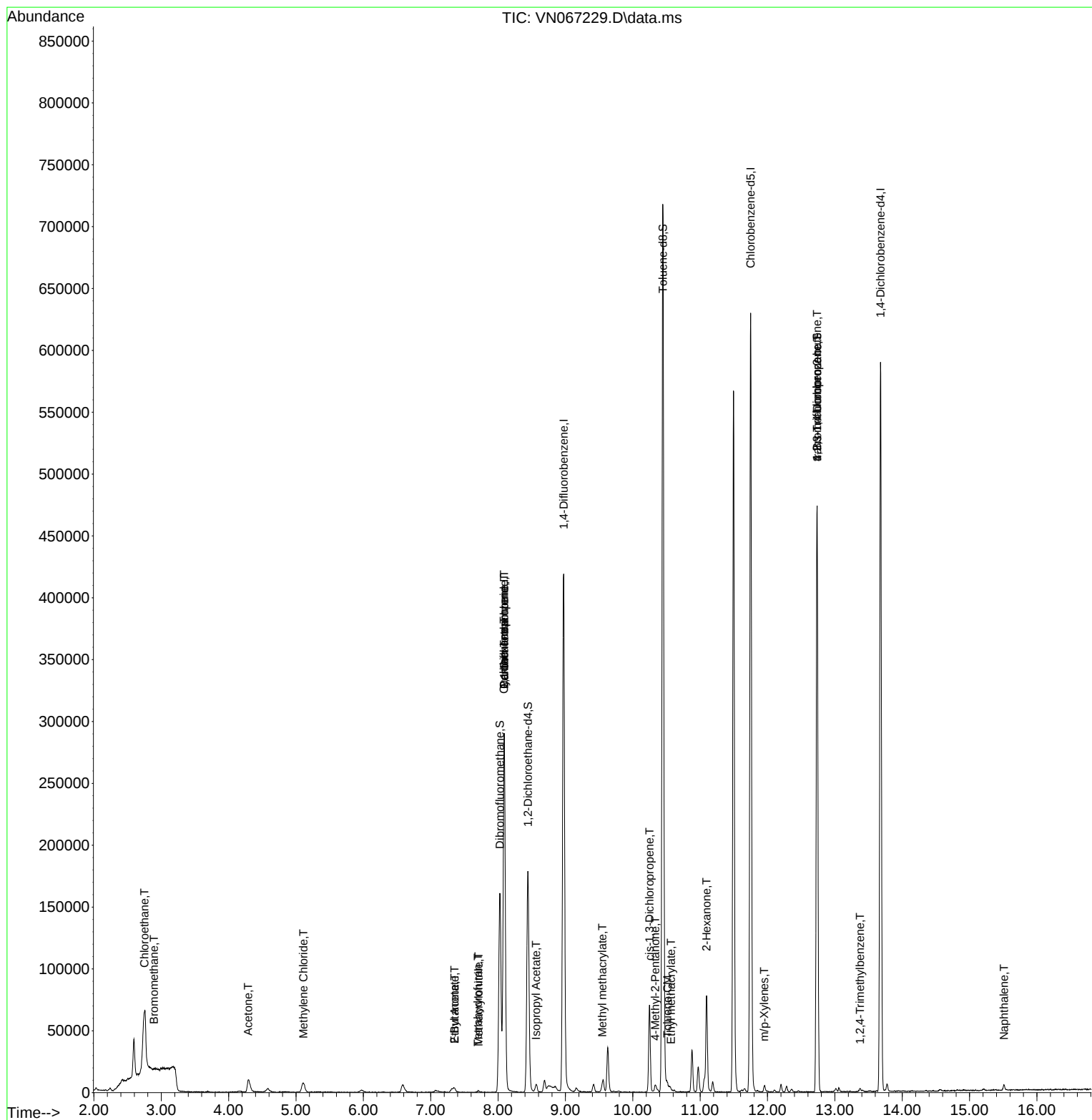
Internal Standards						
1) Pentafluorobenzene	8.091	168	227661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	382851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	354501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	154045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	141347	45.547	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.100%		
35) Dibromofluoromethane	8.027	113	116628	49.139	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.280%		
50) Toluene-d8	10.446	98	498413	51.562	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.120%		
62) 4-Bromofluorobenzene	12.736	95	154656	41.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	83.080%		
Target Compounds						Qvalue
5) Bromomethane	2.891	94	667	0.215	ug/l #	3
6) Chloroethane	2.748	64	4938	1.741	ug/l #	64
16) Acetone	4.291	43	20579	19.218	ug/l	97
20) Methylene Chloride	5.109	84	6330	2.347	ug/l	94
25) 2-Butanone	7.353	43	5447	3.177	ug/l	94
29) Tetrahydrofuran	7.702	42	328	0.322	ug/l #	62
31) Cyclohexane	8.088	56	5415	1.300	ug/l #	25
36) 1,1-Dichloropropene	8.091	75	17675	4.999	ug/l #	49
37) Ethyl Acetate	7.353	43	5447	1.598	ug/l #	65
38) Carbon Tetrachloride	8.091	117	22520	5.832	ug/l #	14
41) Methacrylonitrile	7.713	41	637	0.361	ug/l #	22
43) Isopropyl Acetate	8.566	43	7727	1.192	ug/l #	79
48) Methyl methacrylate	9.550	41	4406	1.569	ug/l #	19
51) 4-Methyl-2-Pentanone	10.336	43	4182	1.101	ug/l	89
52) Toluene	10.515	92	2084	0.288	ug/l	95
54) cis-1,3-Dichloropropene	10.247	75	12822	2.738	ug/l #	68
56) Ethyl methacrylate	10.566	69	1006	0.224	ug/l #	43
59) 2-Hexanone	11.095	43	11475	4.157	ug/l #	55
68) m/p-Xylenes	11.953	106	1856	0.340	ug/l	88
76) 1,2,3-Trichloropropane	12.736	75	86678	29.260	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	86678	71.590	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.374	105	2197	0.218	ug/l	85
95) Naphthalene	15.509	128	4351	5.003	ug/l	96

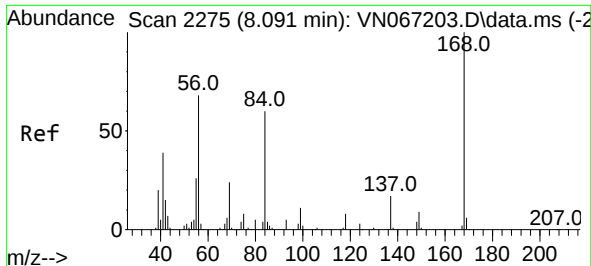
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

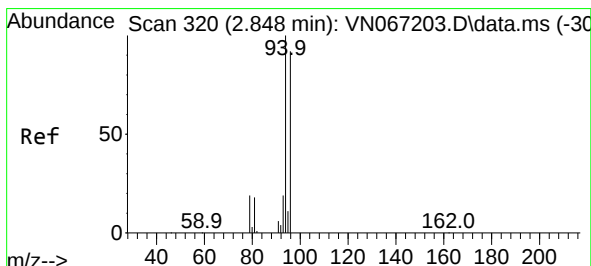
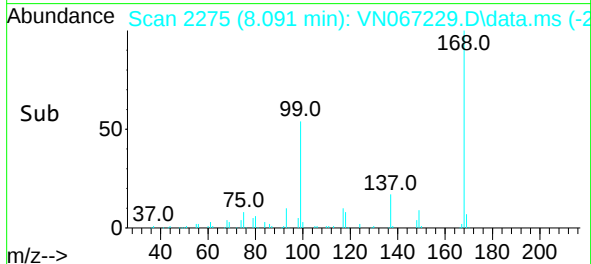
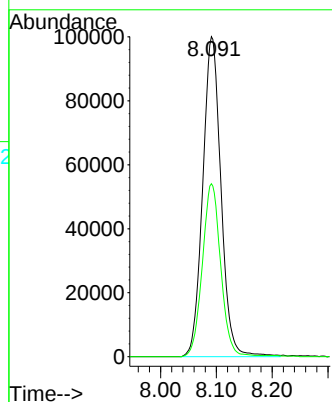
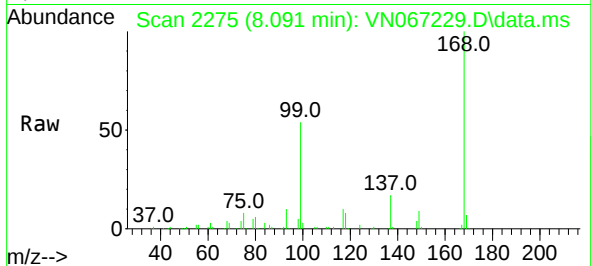




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.000 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

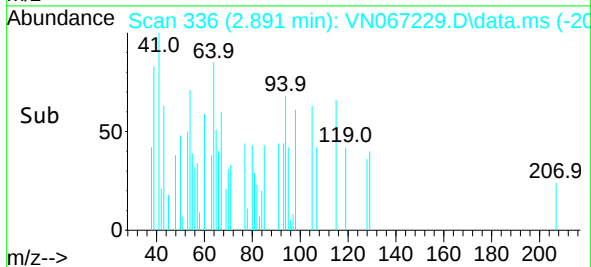
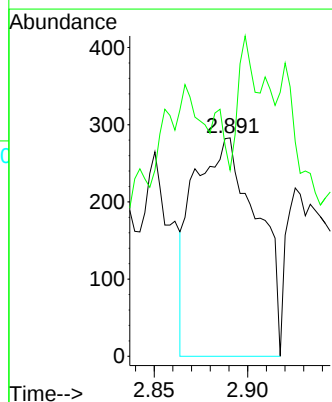
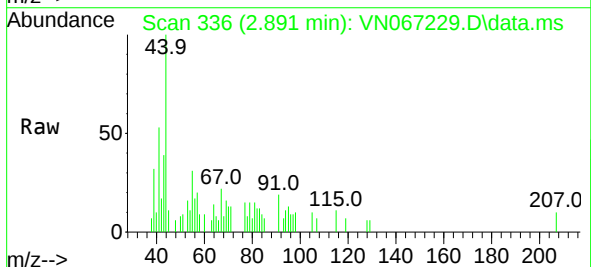
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

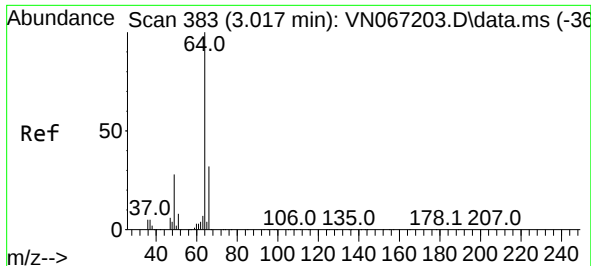
Tgt Ion:168 Resp: 227661
Ion Ratio Lower Upper
168 100
99 54.0 38.5 57.7



#5
Bromomethane
Concen: 0.215 ug/l
RT: 2.891 min Scan# 336
Delta R.T. 0.043 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Tgt Ion: 94 Resp: 667
Ion Ratio Lower Upper
94 100
96 0.0 74.4 111.6#

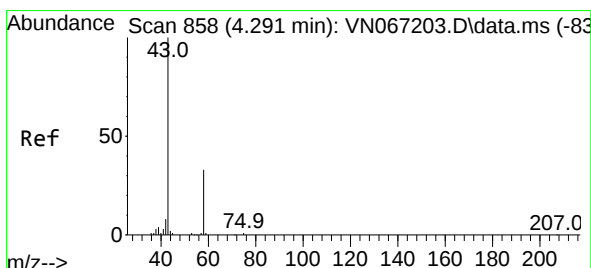
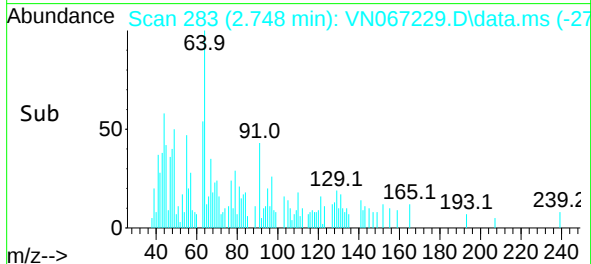
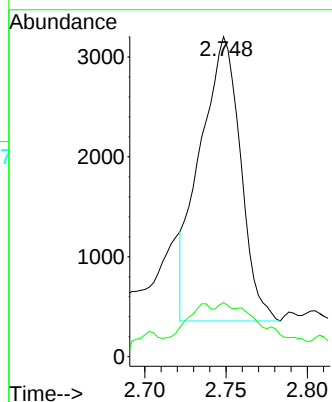
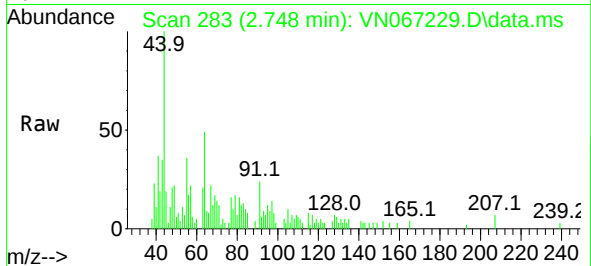




#6
Chloroethane
Concen: 1.741 ug/l
RT: 2.748 min Scan# 283
Delta R.T. -0.268 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

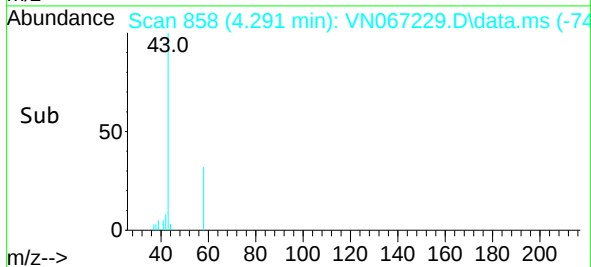
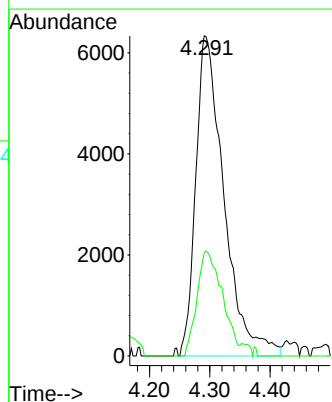
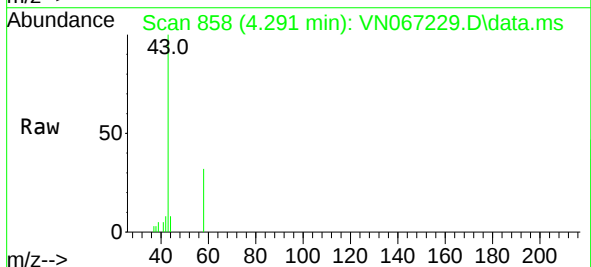
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

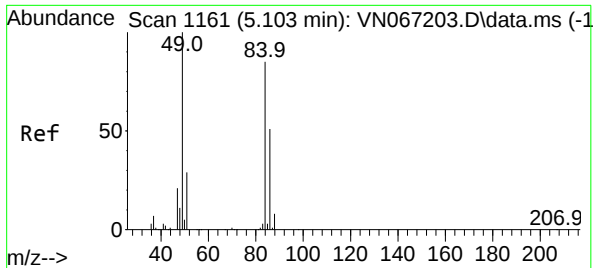
Tgt Ion: 64 Resp: 4938
Ion Ratio Lower Upper
64 100
66 11.4 25.0 37.6#



#16
Acetone
Concen: 19.218 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

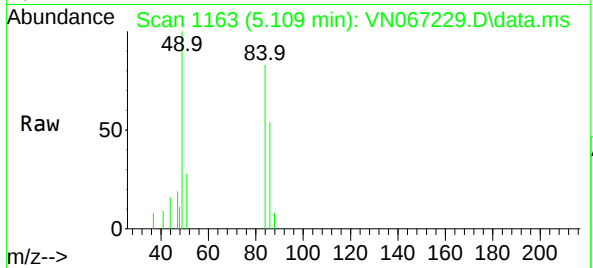
Tgt Ion: 43 Resp: 20579
Ion Ratio Lower Upper
43 100
58 32.1 27.2 40.8



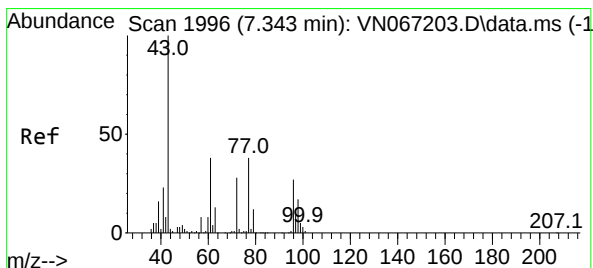
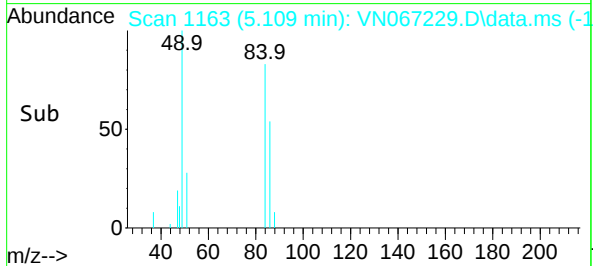
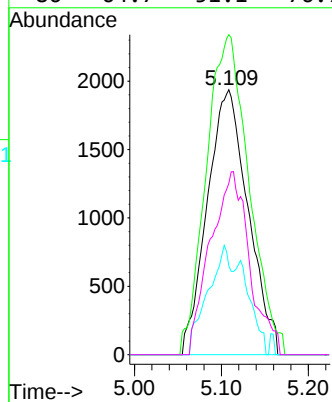


#20
Methylene Chloride
Concen: 2.347 ug/l
RT: 5.109 min Scan# 1163
Delta R.T. 0.005 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

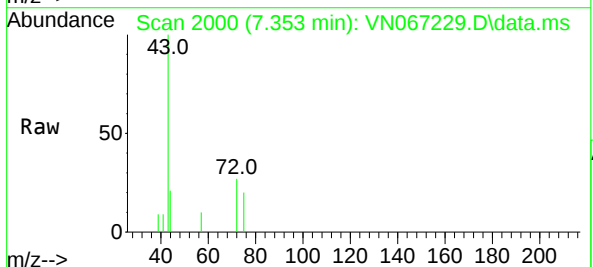
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)



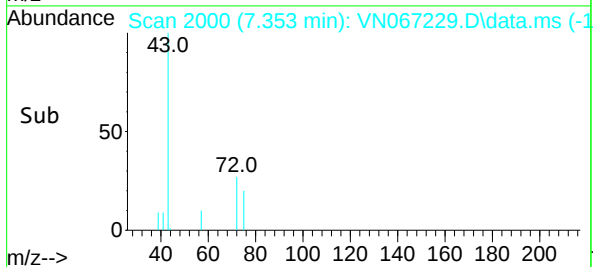
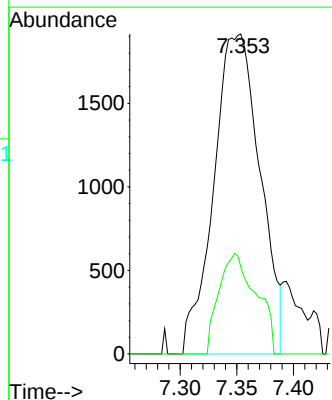
Tgt Ion:	84	Resp:	6330
Ion	Ratio	Lower	Upper
84	100		
49	120.7	88.3	132.5
51	33.4	26.7	40.1
86	64.7	51.1	76.7

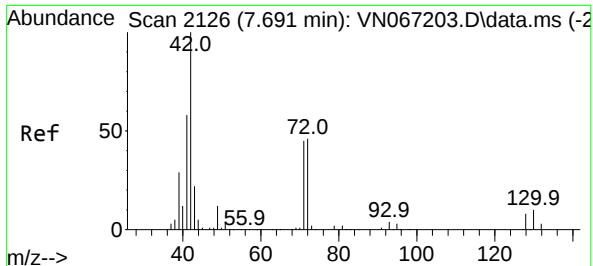


#25
2-Butanone
Concen: 3.177 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.010 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51



Tgt Ion:	43	Resp:	5447
Ion	Ratio	Lower	Upper
43	100		
72	27.4	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.322 ug/l

RT: 7.702 min Scan# 2130

Delta R.T. 0.011 min

Lab File: VN067229.D

Acq: 5 Jun 2021 14:51

Tgt Ion: 42 Resp: 328

Ion Ratio Lower Upper

42 100

72 15.9 40.1 60.1#

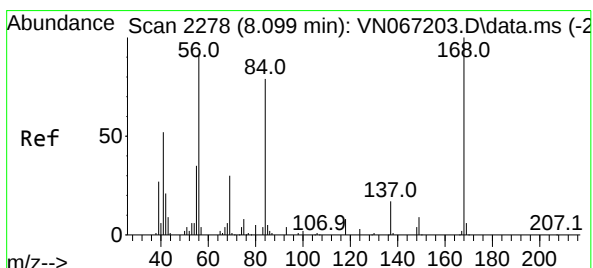
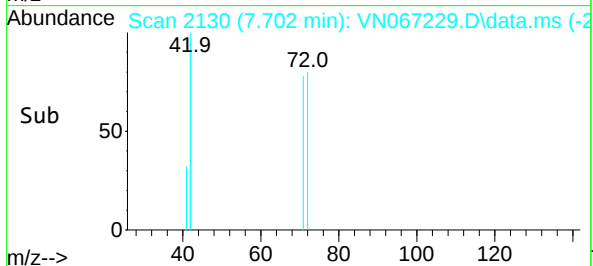
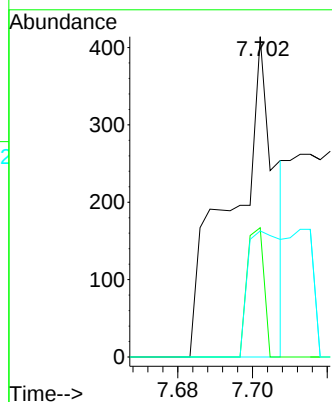
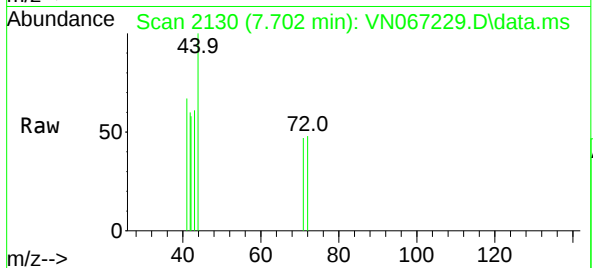
71 30.5 37.9 56.9#

Instrument :

MSVOA_N

ClientSampled :

18-B10(2-4)



#31

Cyclohexane

Concen: 1.300 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.011 min

Lab File: VN067229.D

Acq: 5 Jun 2021 14:51

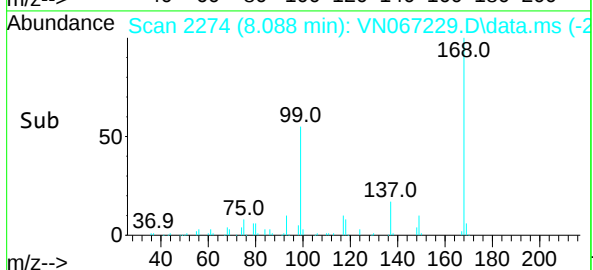
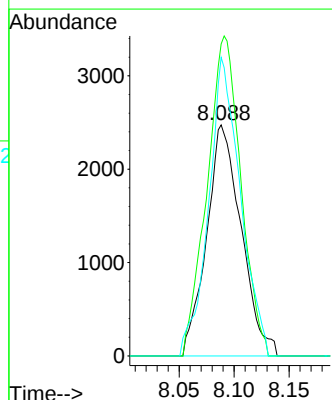
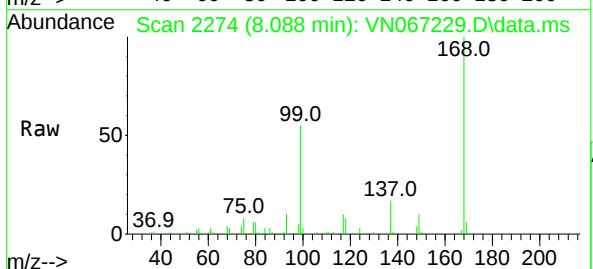
Tgt Ion: 56 Resp: 5415

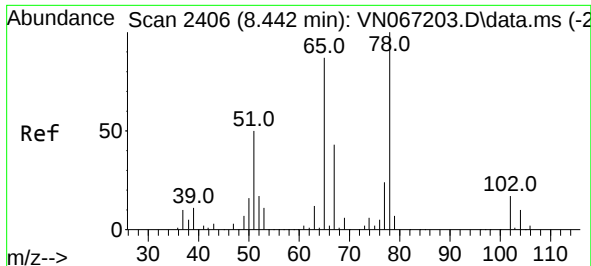
Ion Ratio Lower Upper

56 100

69 135.0 28.0 42.0#

84 129.3 74.2 111.2#



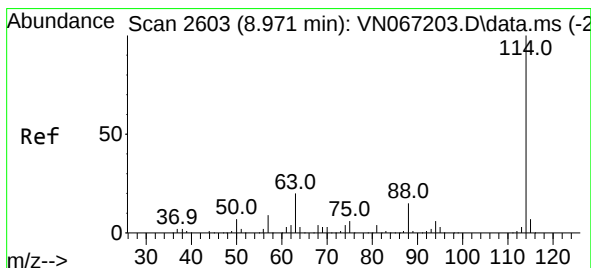
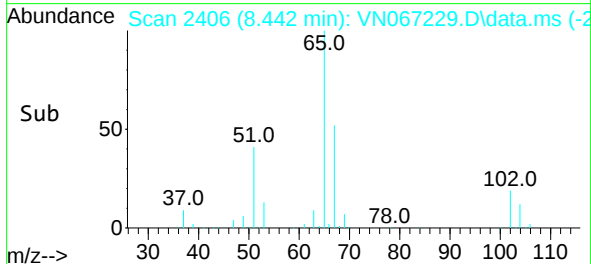
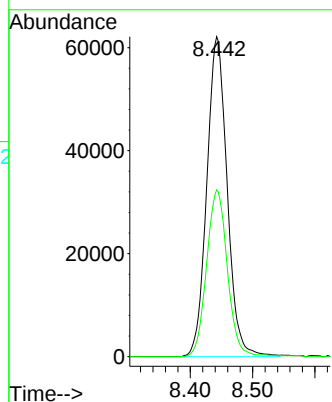
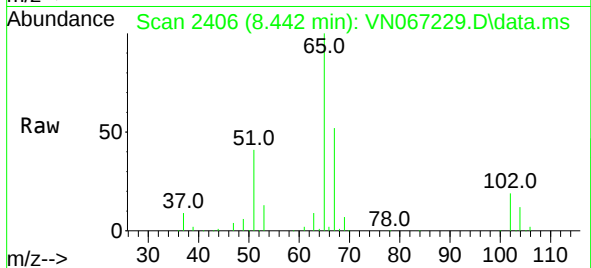


#33

1,2-Dichloroethane-d4
Concen: 45.547 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. -0.000 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

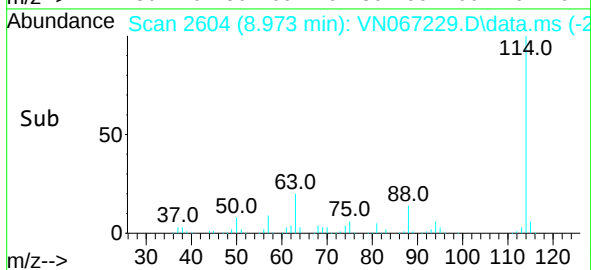
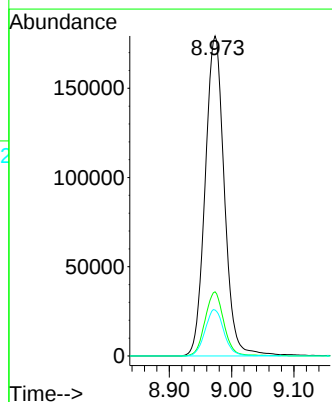
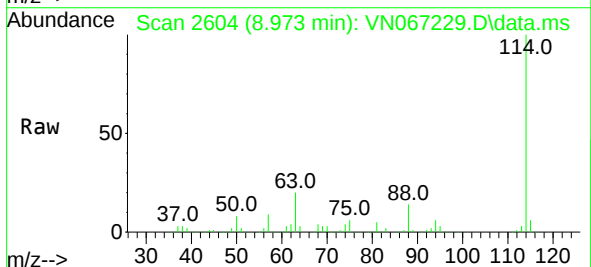
Tgt Ion: 65 Resp: 141347
Ion Ratio Lower Upper
65 100
67 52.8 0.0 110.4

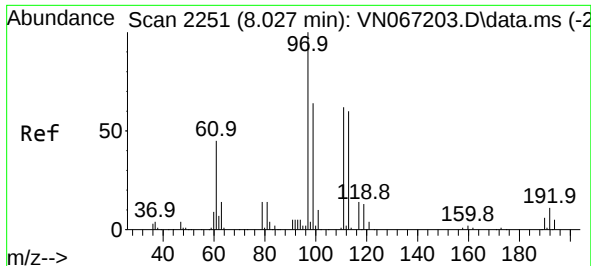


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.003 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Tgt Ion: 114 Resp: 382851
Ion Ratio Lower Upper
114 100
63 20.0 0.0 35.8
88 14.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.139 ug/l

RT: 8.027 min Scan# 2251

Delta R.T. -0.000 min

Lab File: VN067229.D

Acq: 5 Jun 2021 14:51

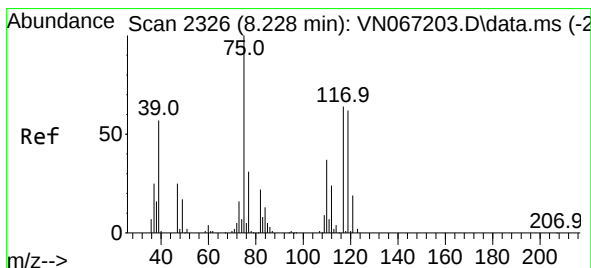
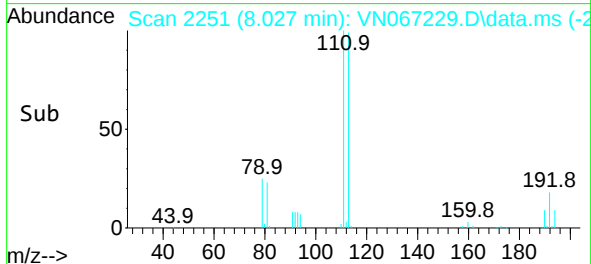
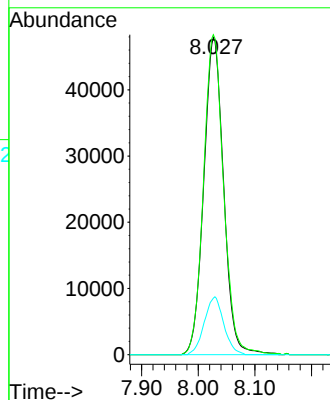
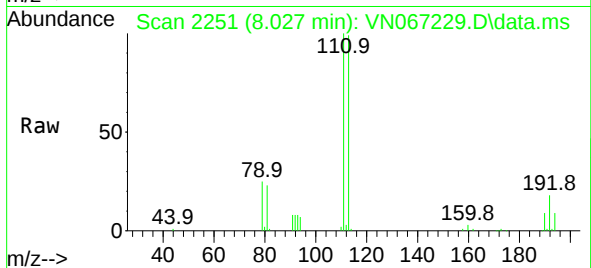
Tgt Ion:113 Resp: 116628

Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 17.9 18.2 27.4#



#36

1,1-Dichloropropene

Concen: 4.999 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.137 min

Lab File: VN067229.D

Acq: 5 Jun 2021 14:51

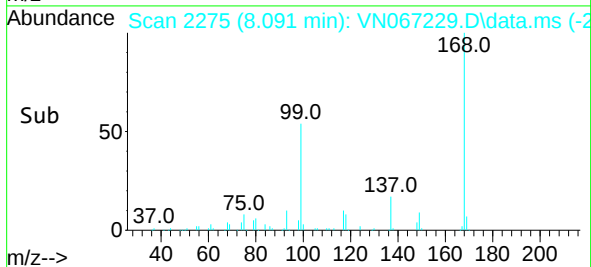
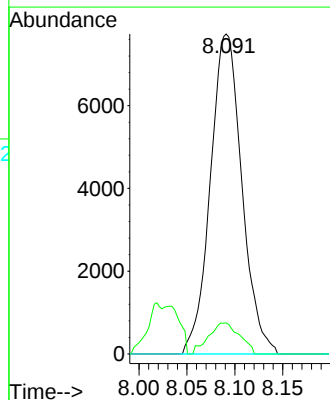
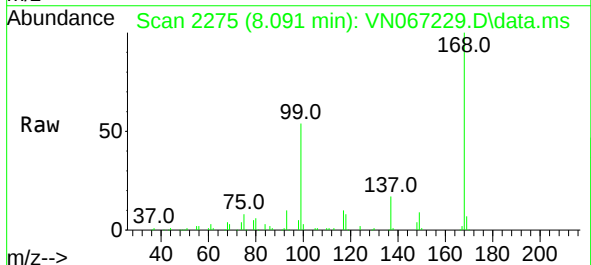
Tgt Ion: 75 Resp: 17675

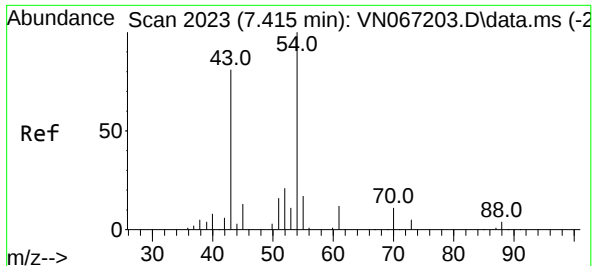
Ion Ratio Lower Upper

75 100

110 9.5 19.1 57.3#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.598 ug/l

RT: 7.353 min Scan# 2000

Delta R.T. -0.062 min

Lab File: VN067229.D

Acq: 5 Jun 2021 14:51

Tgt Ion: 43 Resp: 5447

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

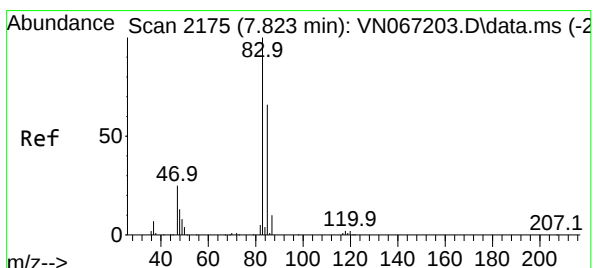
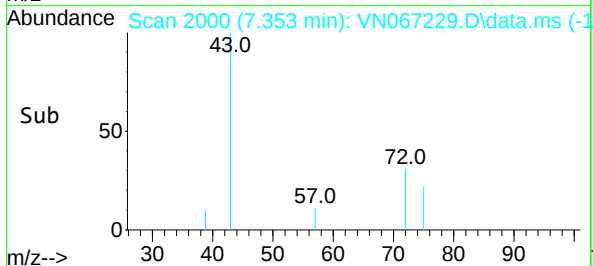
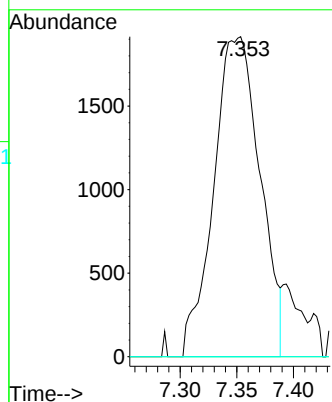
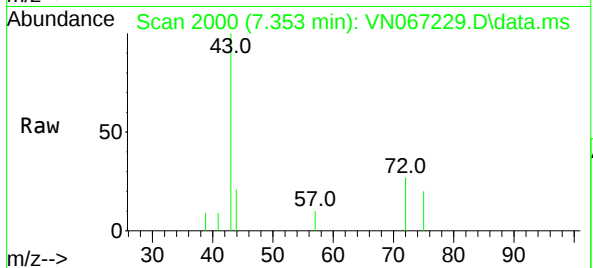
70 0.0 9.2 13.8#

Instrument :

MSVOA_N

ClientSampleId :

18-B10(2-4)



#38

Carbon Tetrachloride

Concen: 5.832 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.121 min

Lab File: VN067229.D

Acq: 5 Jun 2021 14:51

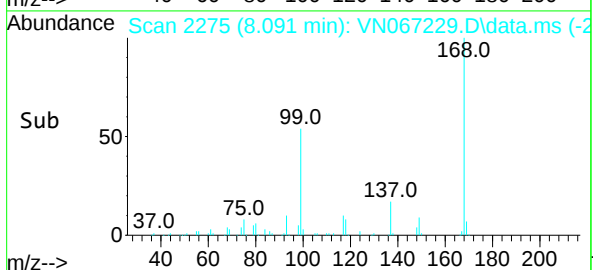
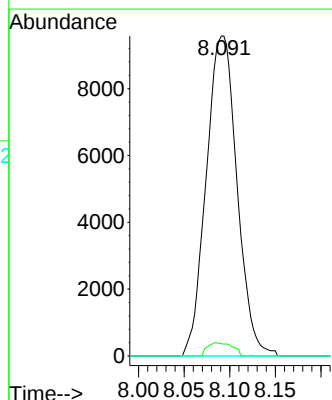
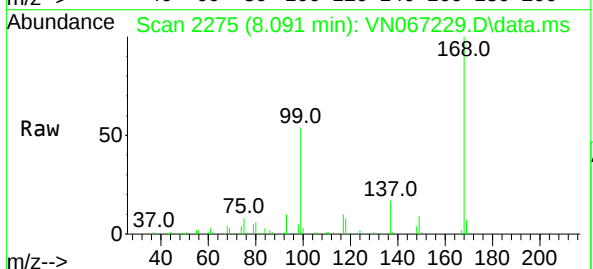
Tgt Ion: 117 Resp: 22520

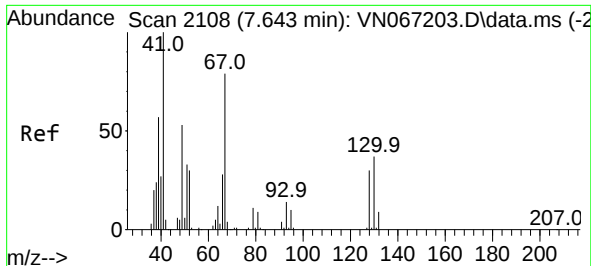
Ion Ratio Lower Upper

117 100

119 3.8 78.2 117.2#

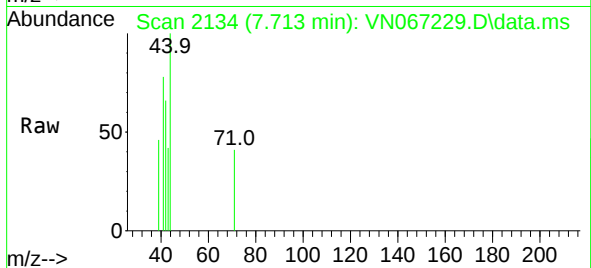
121 0.0 24.7 37.1#



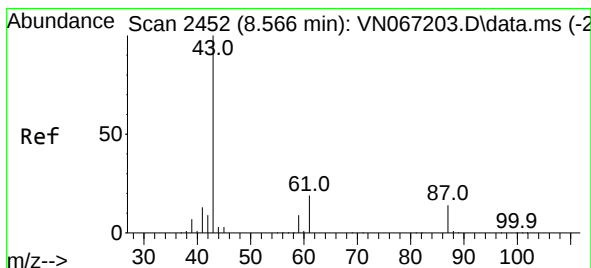
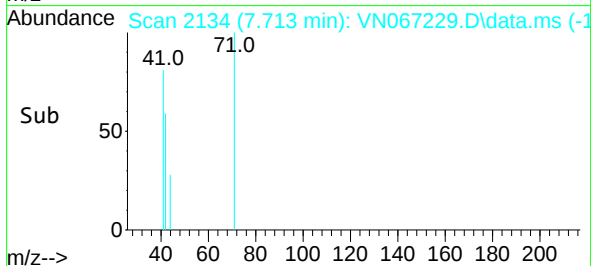
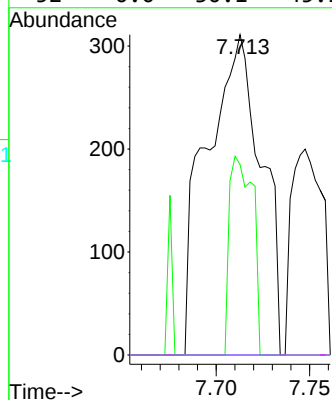


#41
Methacrylonitrile
Concen: 0.361 ug/l
RT: 7.713 min Scan# 2134
Delta R.T. 0.070 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

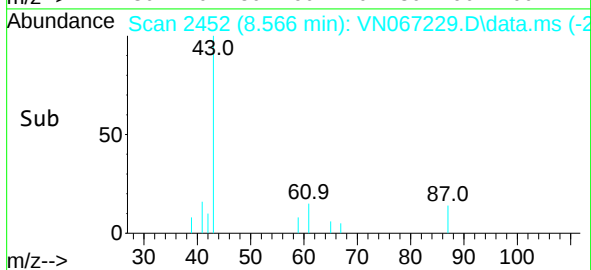
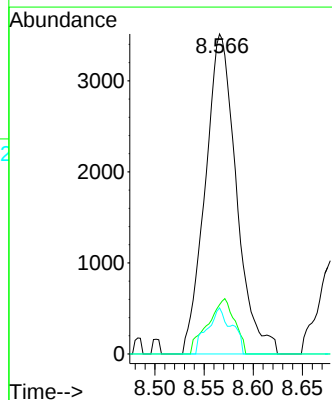
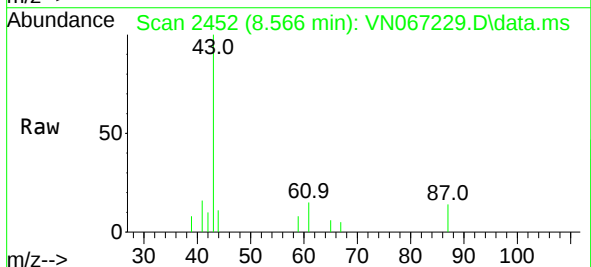


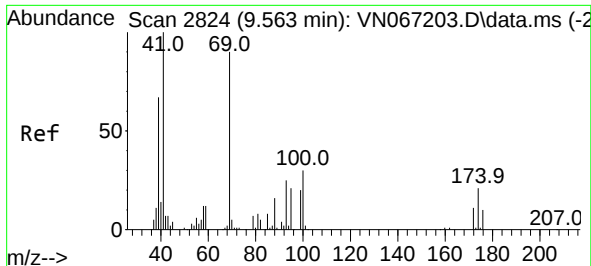
Tgt Ion:	41	Resp:	637
Ion	Ratio	Lower	Upper
41	100		
39	26.4	45.3	67.9#
67	0.0	85.1	127.7#
52	0.0	30.1	45.1#



#43
Isopropyl Acetate
Concen: 1.192 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

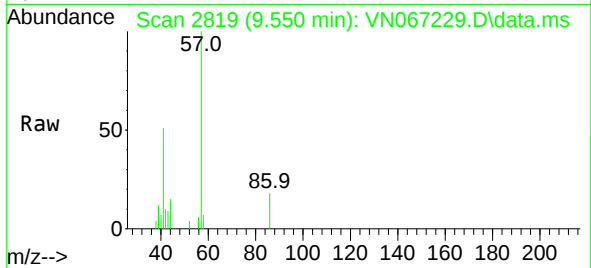
Tgt Ion:	43	Resp:	7727
Ion	Ratio	Lower	Upper
43	100		
61	15.0	23.4	35.0#
87	11.2	12.2	18.2#



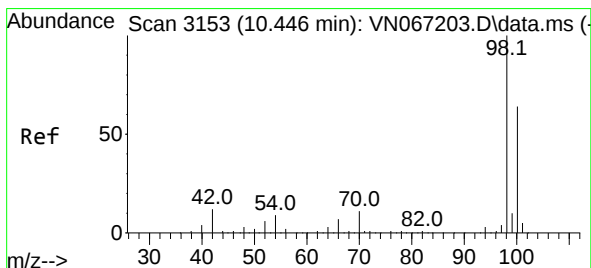
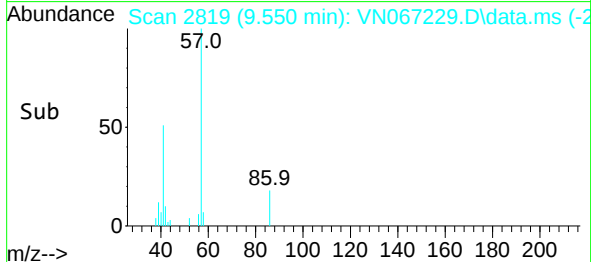
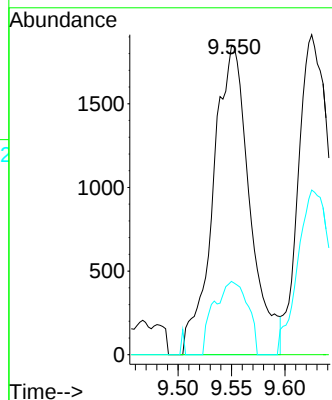


#48
Methyl methacrylate
Concen: 1.569 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.013 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Instrument :
MSVOA_N
ClientSampled :
18-B10(2-4)

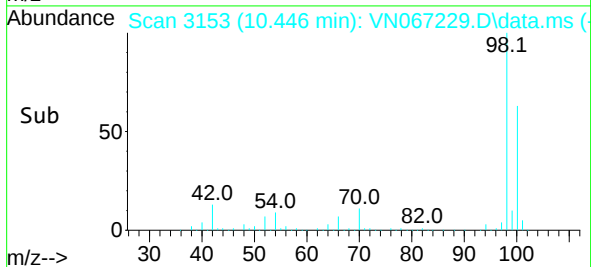
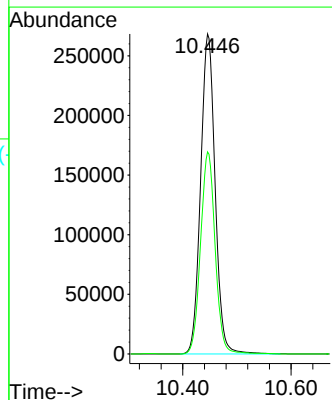
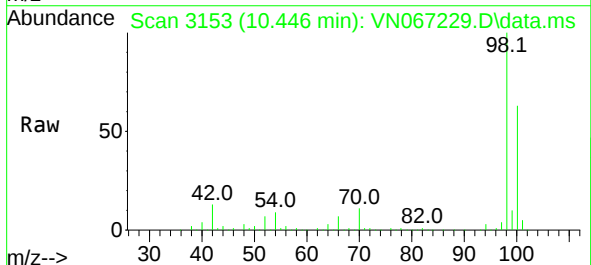


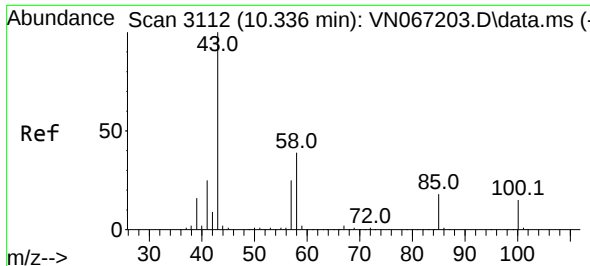
Tgt Ion: 41 Resp: 4406
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 21.6 41.4 62.0#



#50
Toluene-d8
Concen: 51.562 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Tgt Ion: 98 Resp: 498413
Ion Ratio Lower Upper
98 100
100 63.5 51.8 77.8

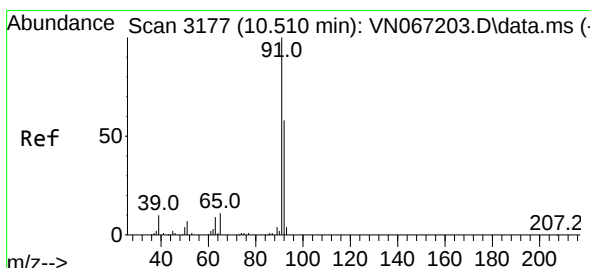
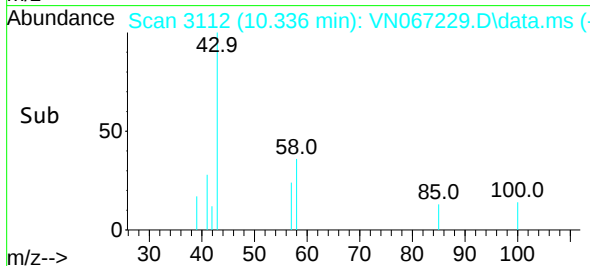
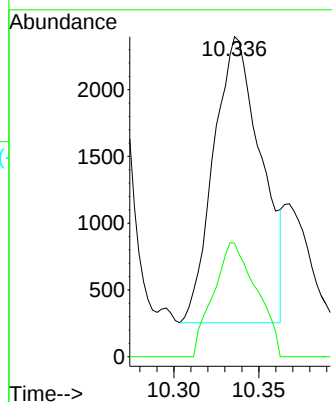
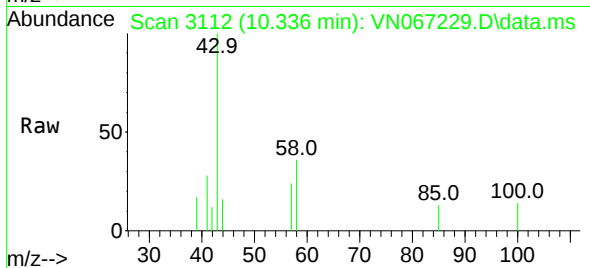




#51
4-Methyl-2-Pentanone
Concen: 1.101 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. -0.000 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

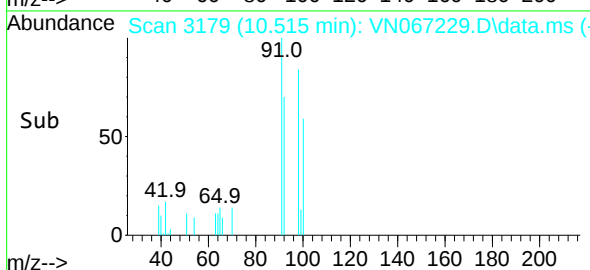
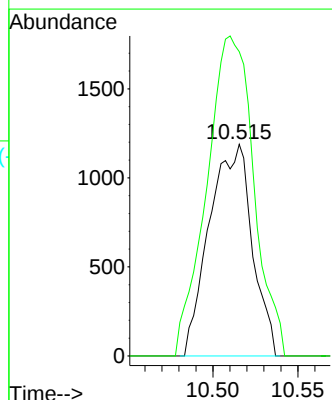
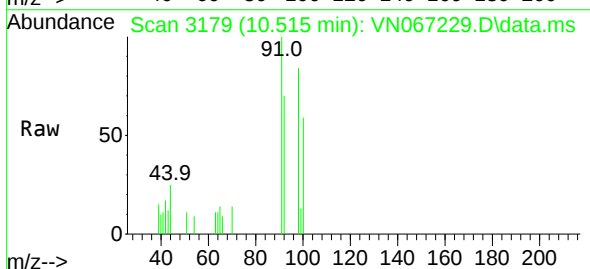
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

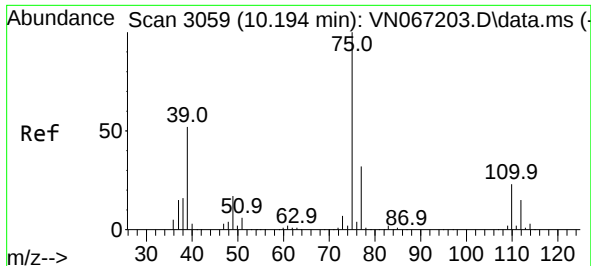
Tgt Ion: 43 Resp: 4182
Ion Ratio Lower Upper
43 100
58 35.9 34.5 51.7



#52
Toluene
Concen: 0.288 ug/l
RT: 10.515 min Scan# 3179
Delta R.T. 0.005 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Tgt Ion: 92 Resp: 2084
Ion Ratio Lower Upper
92 100
91 166.1 138.7 208.1

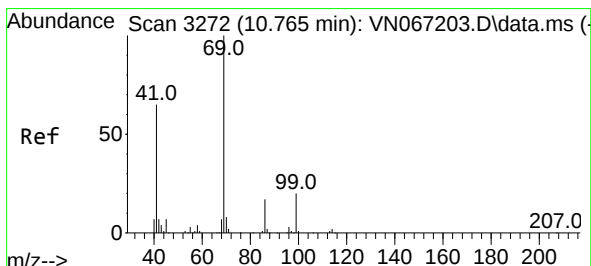
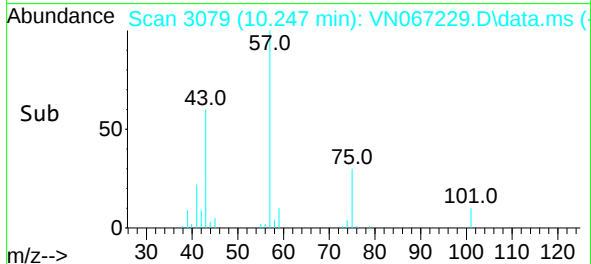
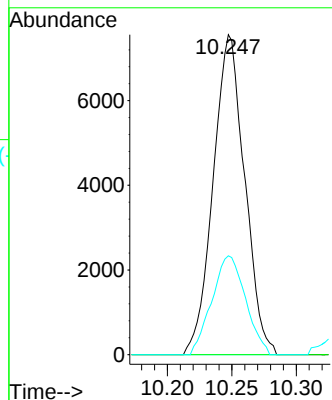
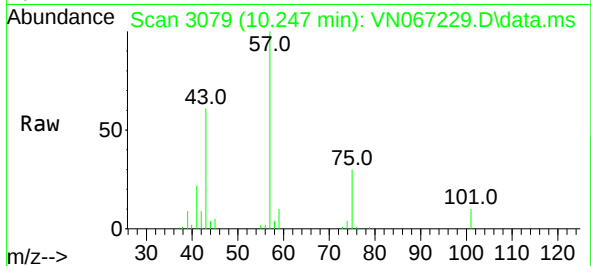




#54
cis-1,3-Dichloropropene
Concen: 2.738 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.054 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

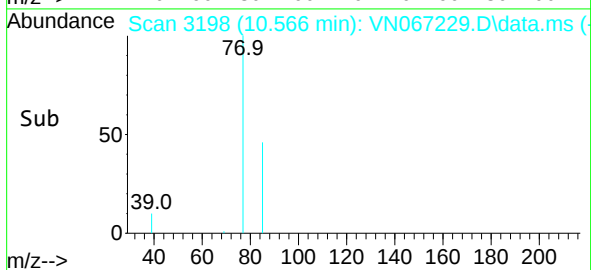
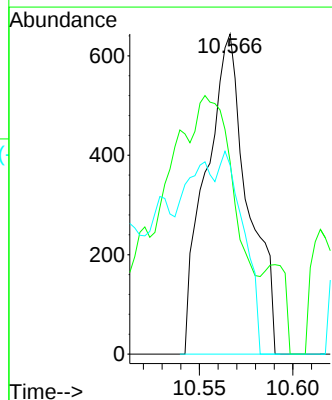
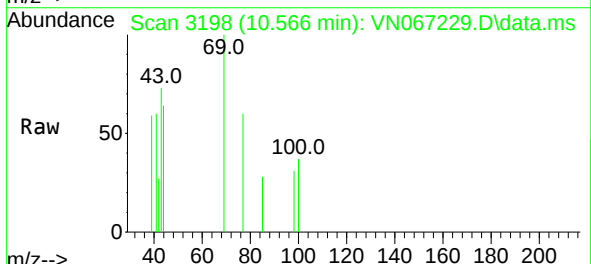
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

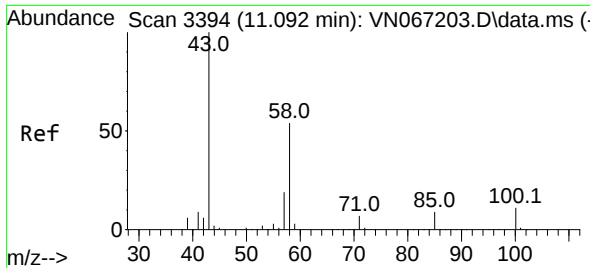
Tgt Ion: 75 Resp: 12822
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 30.9 30.9 46.3



#56
Ethyl methacrylate
Concen: 0.224 ug/l
RT: 10.566 min Scan# 3198
Delta R.T. -0.199 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Tgt Ion: 69 Resp: 1006
Ion Ratio Lower Upper
69 100
41 107.3 45.5 68.3#
39 10.1 22.9 34.3#

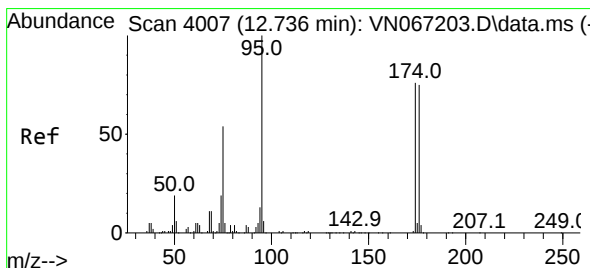
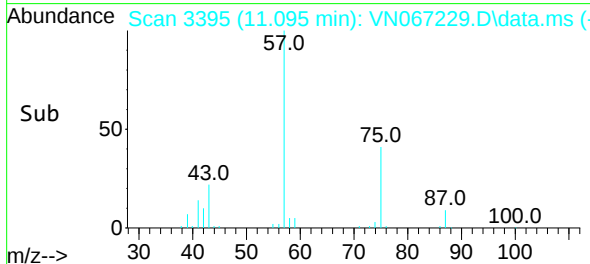
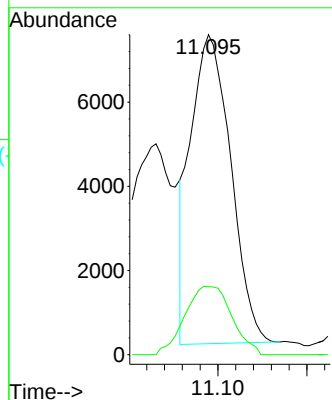
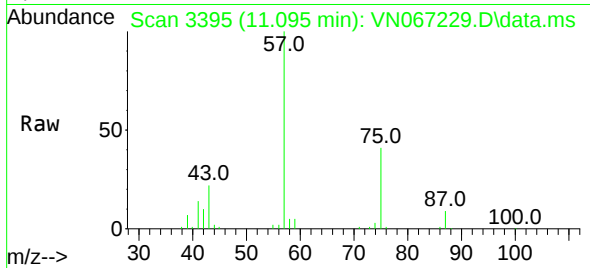




#59
2-Hexanone
Concen: 4.157 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

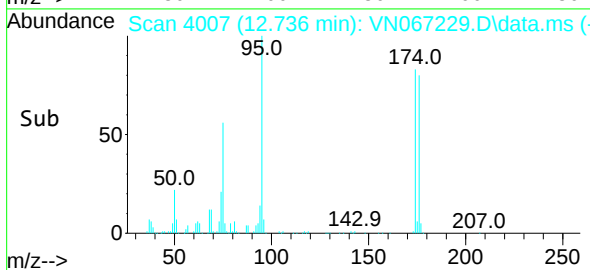
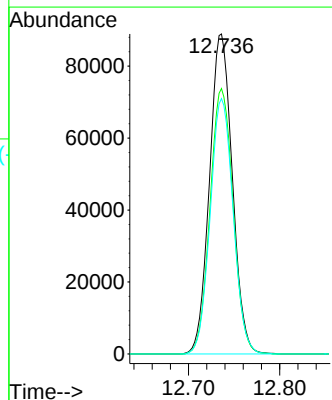
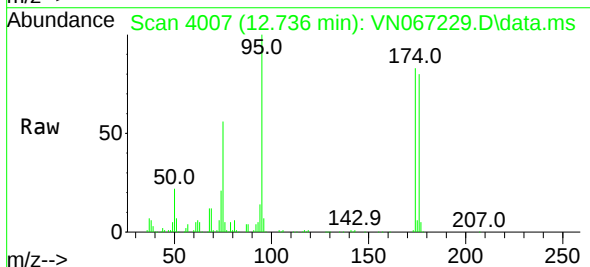
Instrument :
MSVOA_N
ClientSampled :
18-B10(2-4)

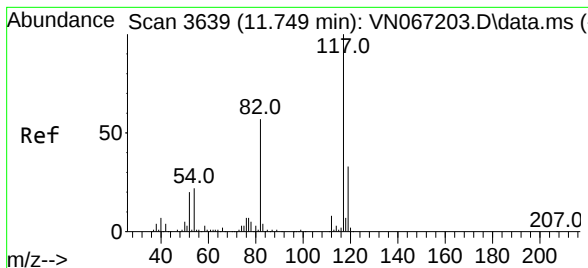
Tgt Ion: 43 Resp: 11475
Ion Ratio Lower Upper
43 100
58 25.8 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 41.542 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.000 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Tgt Ion: 95 Resp: 154656
Ion Ratio Lower Upper
95 100
174 83.9 0.0 182.8
176 80.2 0.0 176.6

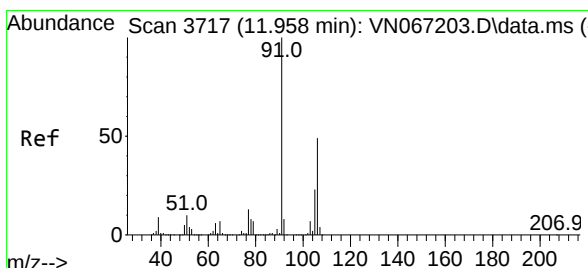
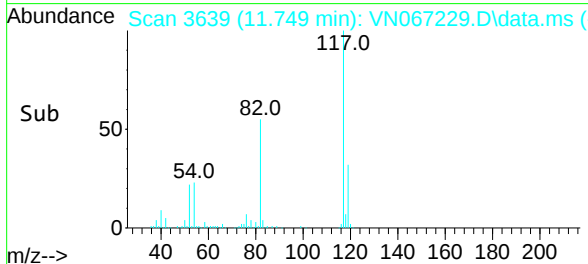
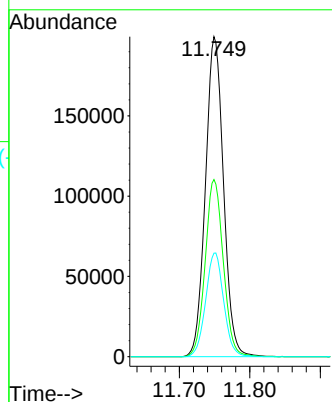
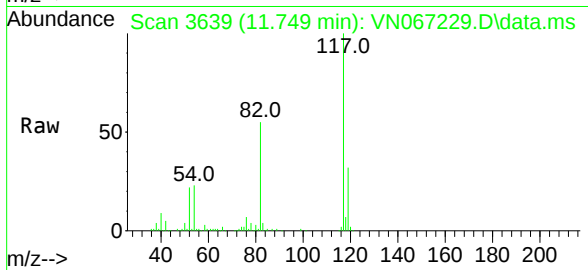




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. -0.000 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

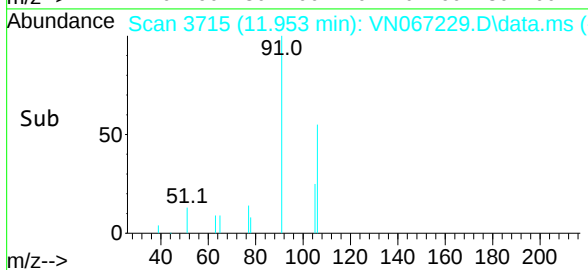
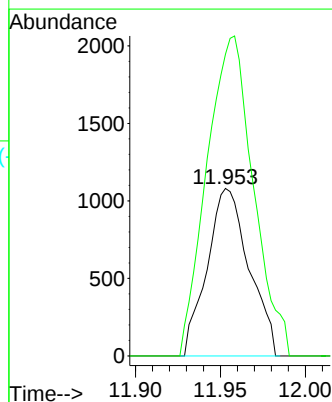
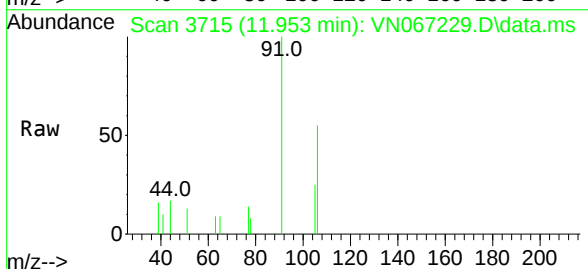
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

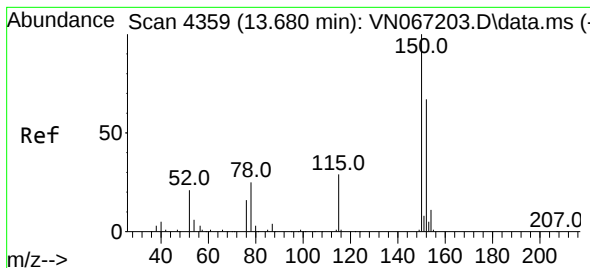
Tgt Ion:117 Resp: 354501
Ion Ratio Lower Upper
117 100
82 55.4 42.2 63.2
119 32.4 25.8 38.6



#68
m/p-Xylenes
Concen: 0.340 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.005 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Tgt Ion:106 Resp: 1856
Ion Ratio Lower Upper
106 100
91 211.7 155.2 232.8

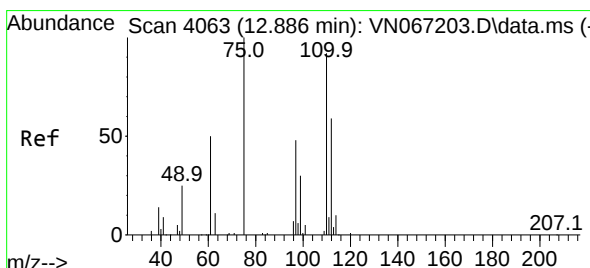
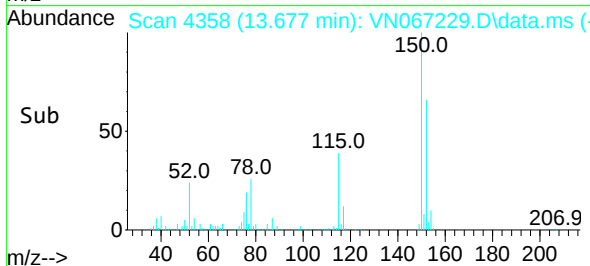
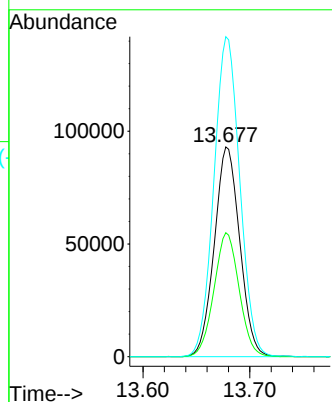
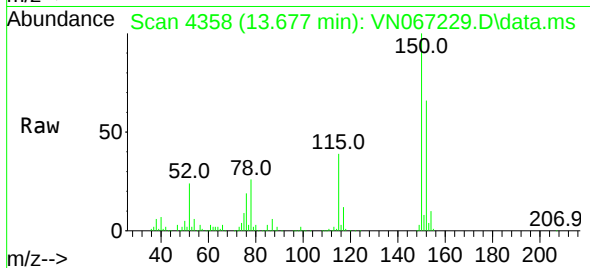




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 4358
 Delta R.T. -0.003 min
 Lab File: VN067229.D
 Acq: 5 Jun 2021 14:51

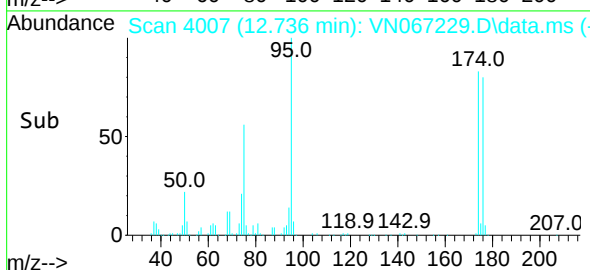
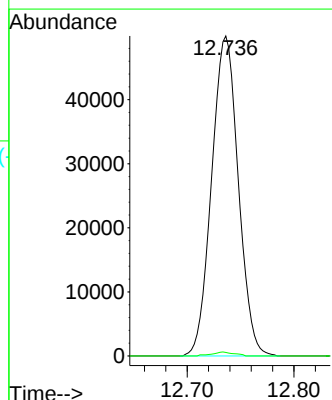
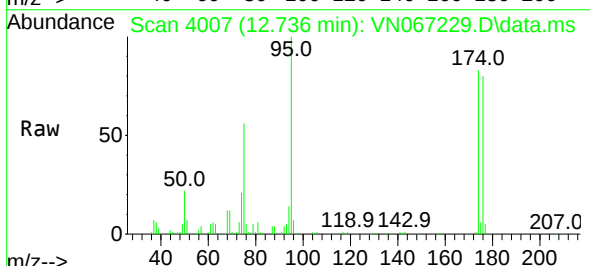
Instrument :
 MSVOA_N
 ClientSampled :
 18-B10(2-4)

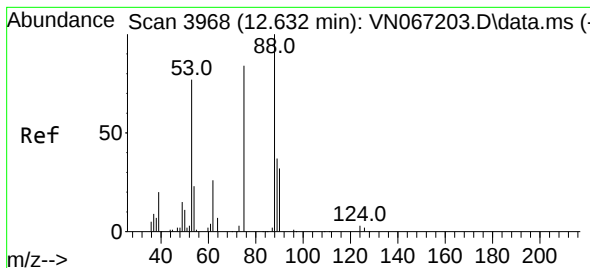
Tgt Ion:152 Resp: 154045
 Ion Ratio Lower Upper
 152 100
 115 58.5 27.0 80.8
 150 155.7 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 29.260 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. -0.150 min
 Lab File: VN067229.D
 Acq: 5 Jun 2021 14:51

Tgt Ion: 75 Resp: 86678
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

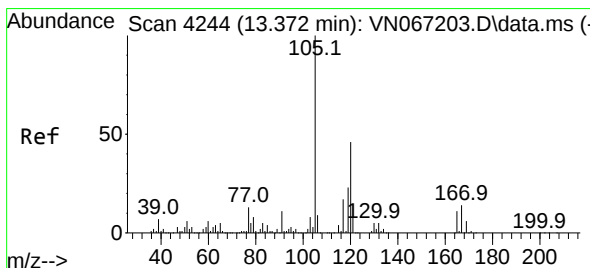
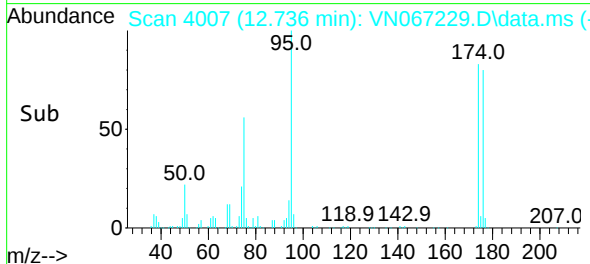
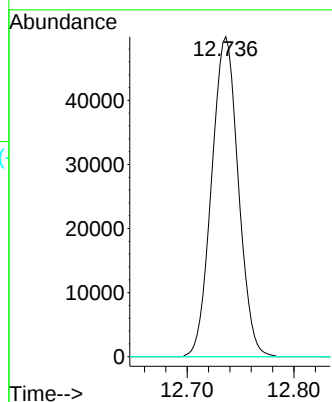
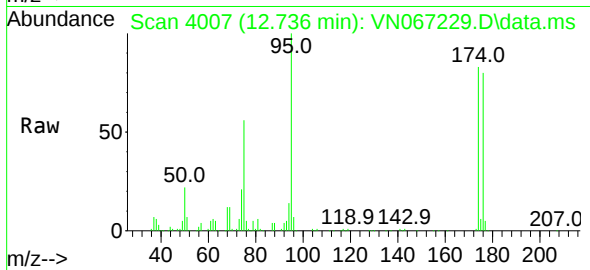




#81
trans-1,4-Dichloro-2-butene
Concen: 71.590 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

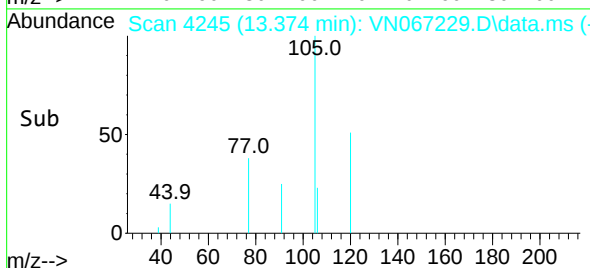
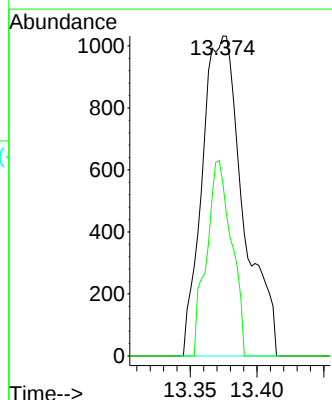
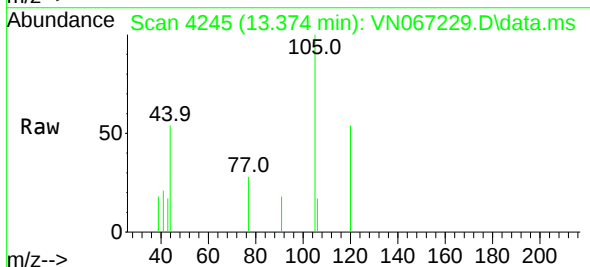
Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)

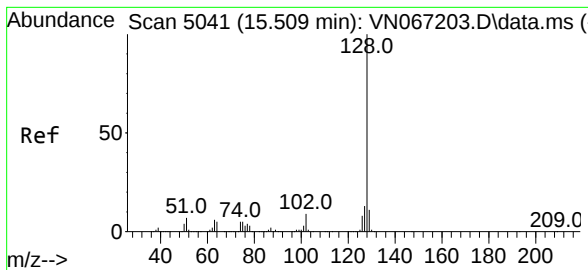
Tgt Ion: 75 Resp: 86678
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.218 ug/l
RT: 13.374 min Scan# 4245
Delta R.T. 0.003 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

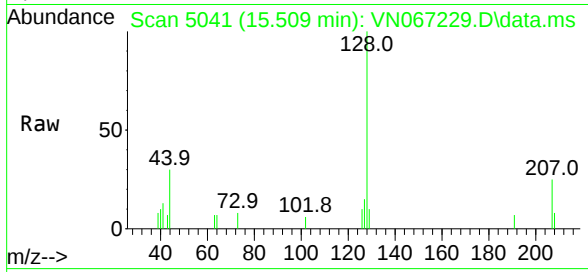
Tgt Ion: 105 Resp: 2197
Ion Ratio Lower Upper
105 100
120 37.2 23.8 71.2





#95
Naphthalene
Concen: 5.003 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067229.D
Acq: 5 Jun 2021 14:51

Instrument :
MSVOA_N
ClientSampleId :
18-B10(2-4)



Tgt Ion:128 Resp: 4351
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.2
129 9.1 8.6 13.0

