

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060521\
 Data File : VN067228.D
 Acq On : 5 Jun 2021 14:28
 Operator : JC/MD
 Sample : M2589-31
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 18-B10(0-2)

Quant Time: Jun 07 01:15:02 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)

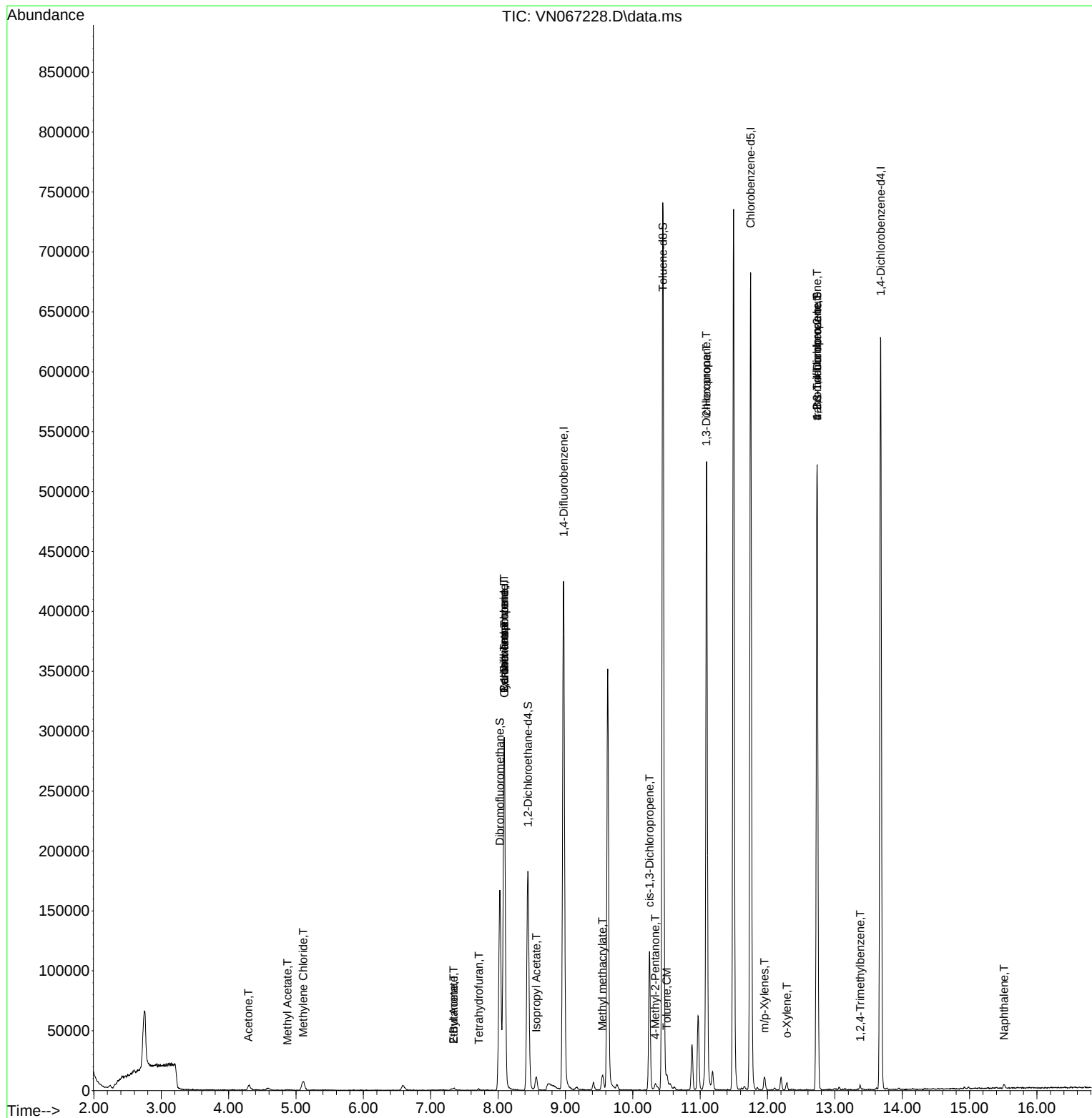
Internal Standards						
1) Pentafluorobenzene	8.091	168	231853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	390696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	387734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	168330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	145683	46.096	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.200%		
35) Dibromofluoromethane	8.027	113	119346	49.274	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.540%		
50) Toluene-d8	10.446	98	526567	53.381	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.760%		
62) 4-Bromofluorobenzene	12.736	95	165023	43.437	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.880%		
Target Compounds					Qvalue	
13) Acrolein	4.044	56	25	Below Cal	#	1
16) Acetone	4.293	43	3500	3.209	ug/l #	84
18) Methyl Acetate	4.873	43	1364	0.441	ug/l #	48
20) Methylene Chloride	5.106	84	6553	2.386	ug/l	93
25) 2-Butanone	7.340	43	1259	0.721	ug/l #	81
29) Tetrahydrofuran	7.716	42	500	0.481	ug/l #	36
31) Cyclohexane	8.094	56	5375	1.267	ug/l #	34
36) 1,1-Dichloropropene	8.091	75	18329	5.080	ug/l #	47
37) Ethyl Acetate	7.340	43	1259	0.362	ug/l #	65
38) Carbon Tetrachloride	8.091	117	22586	5.732	ug/l #	15
43) Isopropyl Acetate	8.568	43	13809	2.088	ug/l #	77
48) Methyl methacrylate	9.550	41	3905	1.362	ug/l #	20
51) 4-Methyl-2-Pentanone	10.336	43	2837	0.732	ug/l	97
52) Toluene	10.505	92	3190	0.432	ug/l	92
54) cis-1,3-Dichloropropene	10.247	75	20645	4.320	ug/l #	72
57) 1,3-Dichloropropane	11.092	76	5531	1.197	ug/l #	42
59) 2-Hexanone	11.095	43	87838	31.181	ug/l #	43
68) m/p-Xylenes	11.956	106	3942	0.660	ug/l	96
69) o-Xylene	12.288	106	1752	0.300	ug/l	90
76) 1,2,3-Trichloropropane	12.736	75	93065	28.750	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	93065	70.342	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.377	105	2666	0.242	ug/l	91
95) Naphthalene	15.509	128	3448	4.844	ug/l #	88

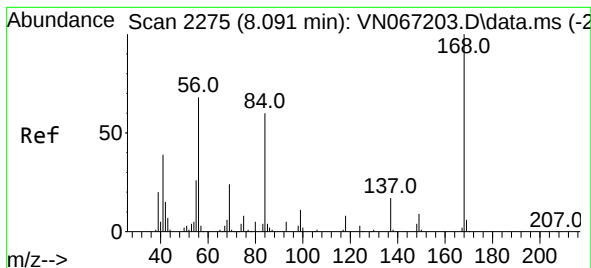
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

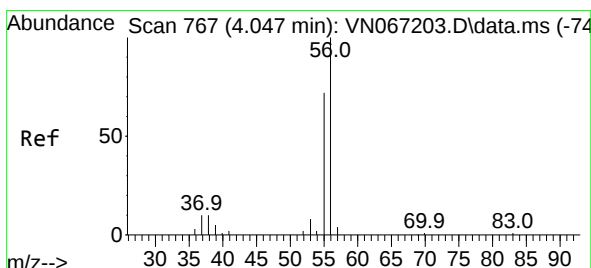
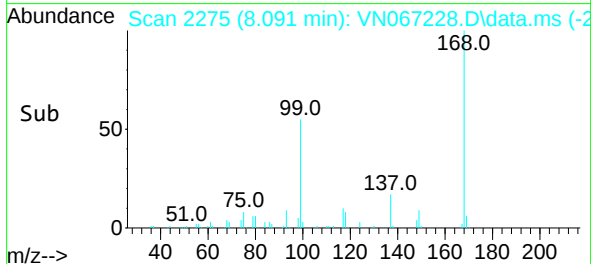
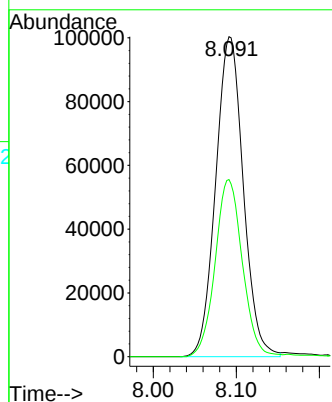
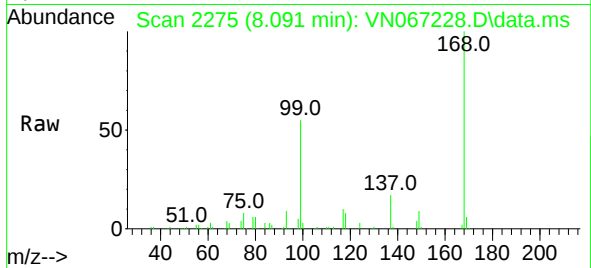




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

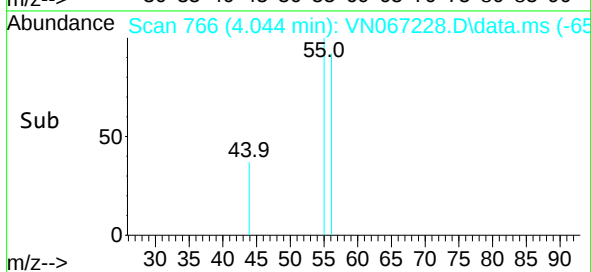
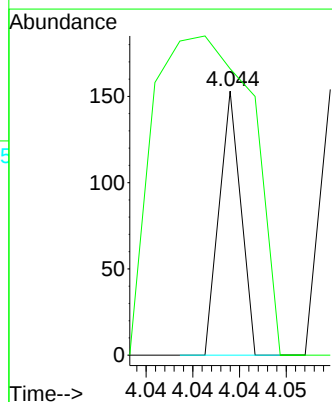
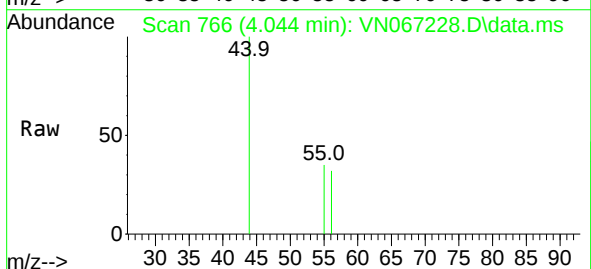
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

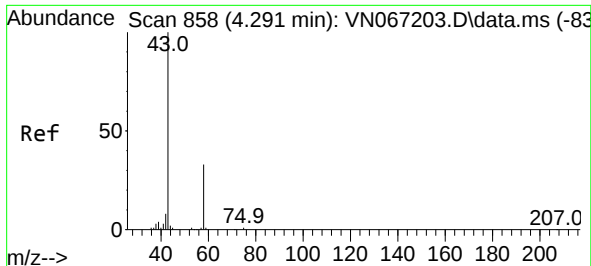
Tgt Ion:168 Resp: 231853
Ion Ratio Lower Upper
168 100
99 55.3 38.5 57.7



#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. -0.003 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

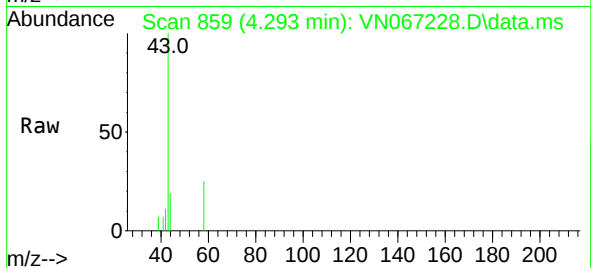
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 540.0 53.8 80.6#



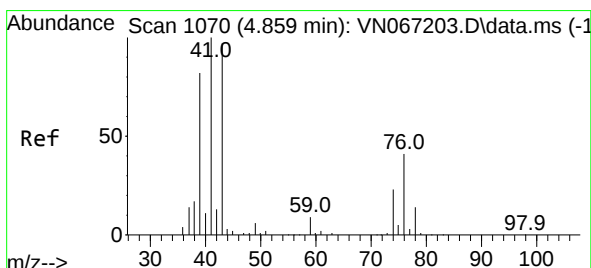
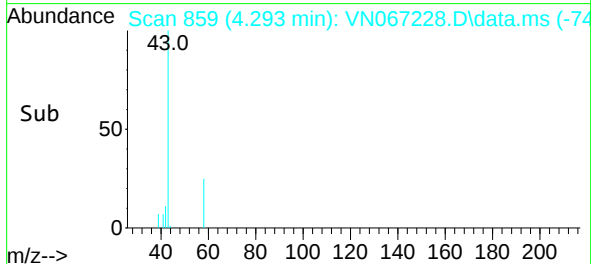
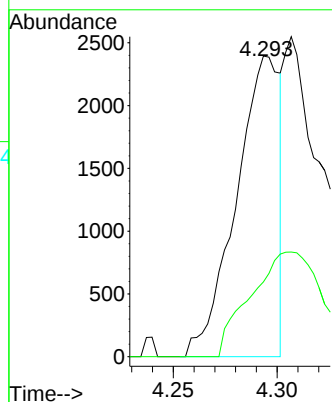


#16
Acetone
Concen: 3.209 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

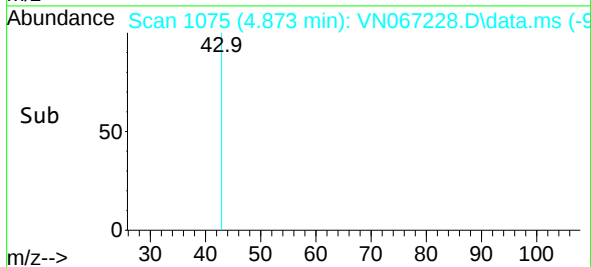
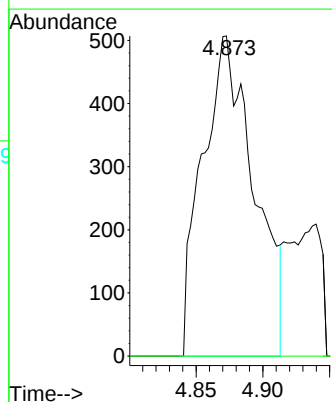
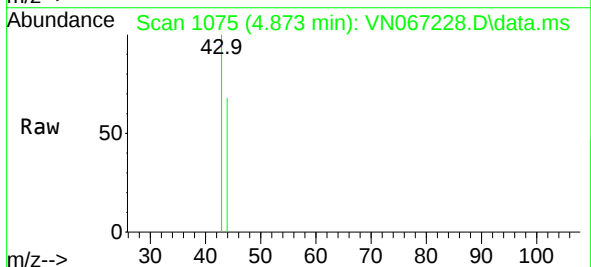


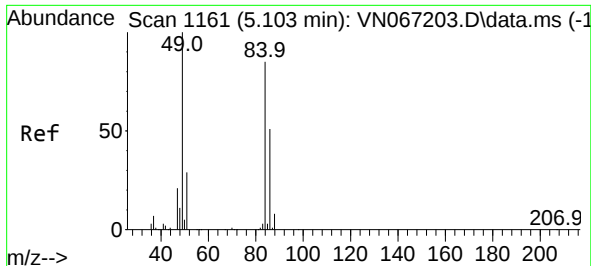
Tgt Ion: 43 Resp: 3500
Ion Ratio Lower Upper
43 100
58 24.9 27.2 40.8#



#18
Methyl Acetate
Concen: 0.441 ug/l
RT: 4.873 min Scan# 1075
Delta R.T. 0.014 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

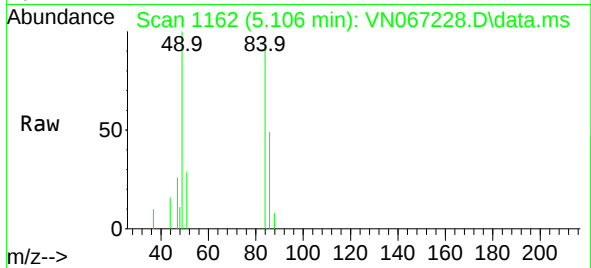
Tgt Ion: 43 Resp: 1364
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.2#





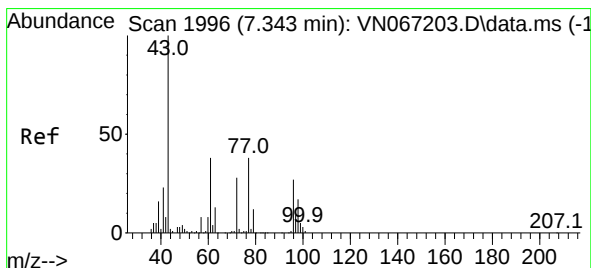
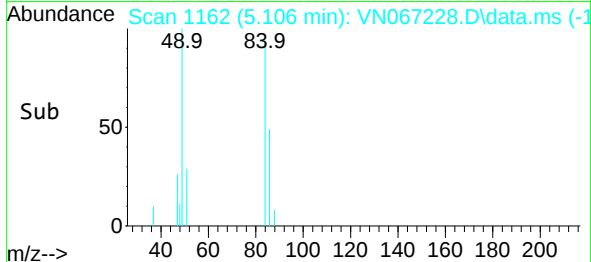
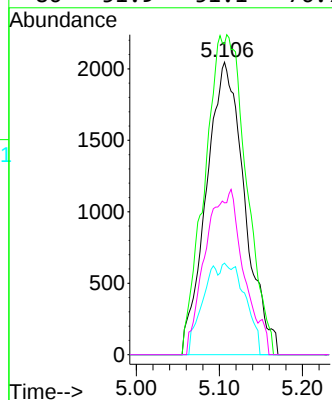
#20
Methylene Chloride
Concen: 2.386 ug/l
RT: 5.106 min Scan# 1162
Delta R.T. 0.003 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)



Tgt Ion: 84 Resp: 6553

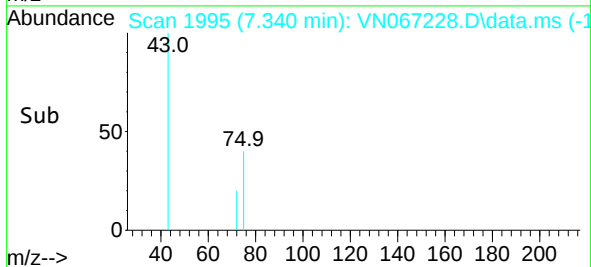
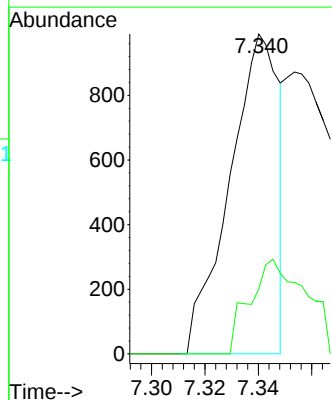
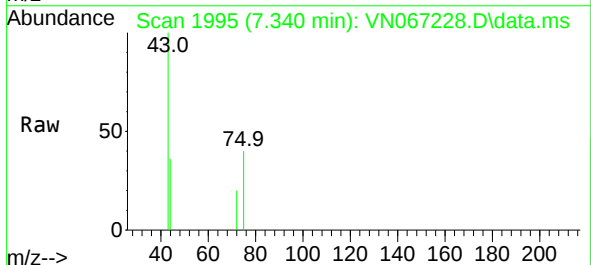
Ion	Ratio	Lower	Upper
84	100		
49	106.3	88.3	132.5
51	31.3	26.7	40.1
86	51.9	51.1	76.7

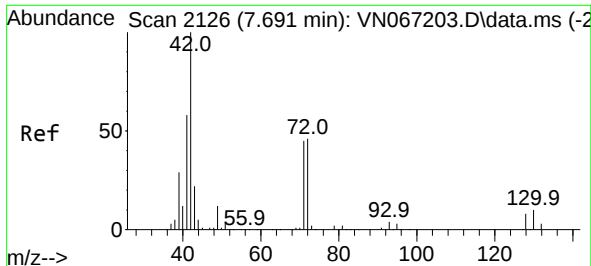


#25
2-Butanone
Concen: 0.721 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.003 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Tgt Ion: 43 Resp: 1259

Ion	Ratio	Lower	Upper
43	100		
72	20.3	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.481 ug/l

RT: 7.716 min Scan# 2135

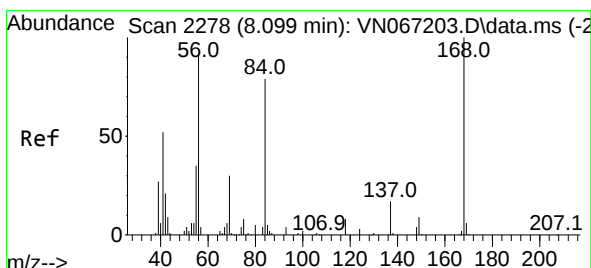
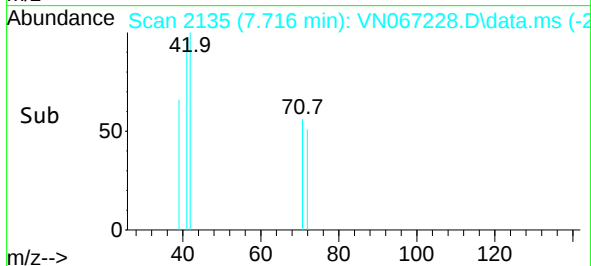
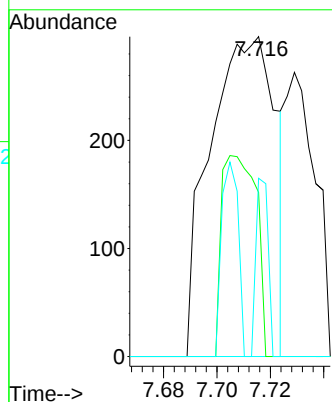
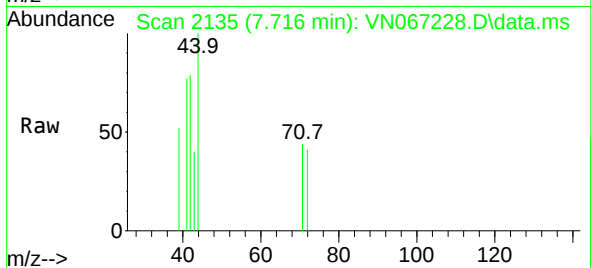
Delta R.T. 0.025 min

Lab File: VN067228.D

Acq: 5 Jun 2021 14:28

Tgt Ion:	42	Resp:	500
Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.1	60.1#
71	10.4	37.9	56.9#

Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)



#31

Cyclohexane

Concen: 1.267 ug/l

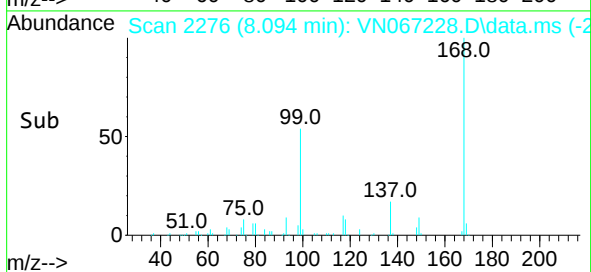
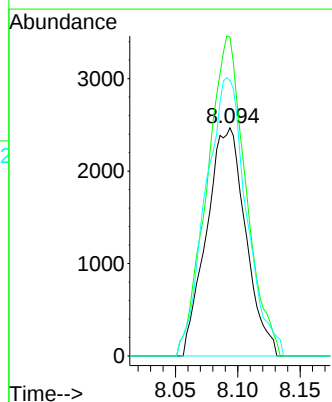
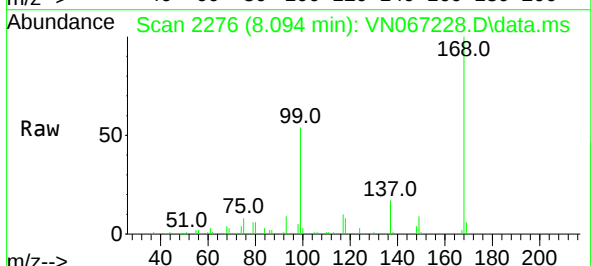
RT: 8.094 min Scan# 2276

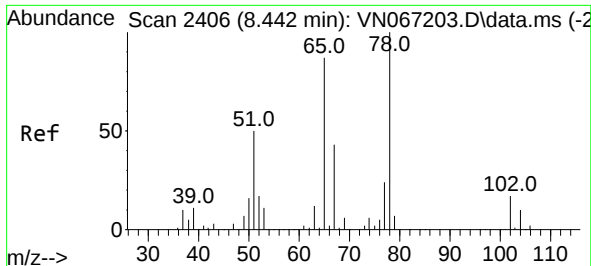
Delta R.T. -0.005 min

Lab File: VN067228.D

Acq: 5 Jun 2021 14:28

Tgt Ion:	56	Resp:	5375
Ion	Ratio	Lower	Upper
56	100		
69	139.7	28.0	42.0#
84	114.5	74.2	111.2#



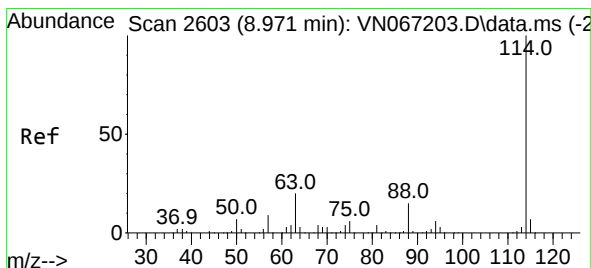
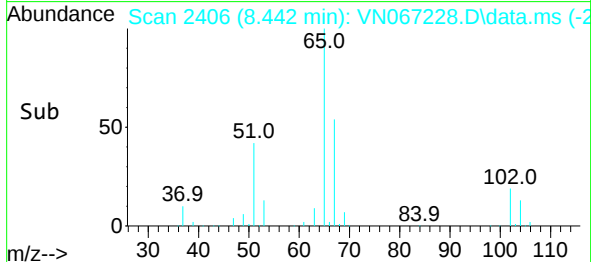
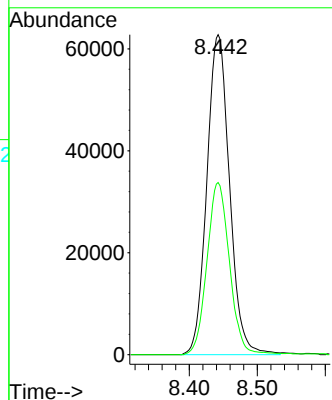
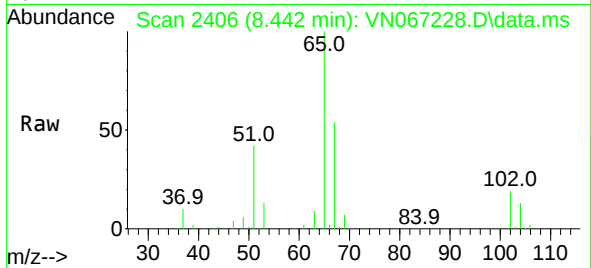


#33
 1,2-Dichloroethane-d4
 Concen: 46.096 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.000 min
 Lab File: VN067228.D
 Acq: 5 Jun 2021 14:28

Instrument :
 MSVOA_N
 ClientSampled :
 18-B10(0-2)

Tgt Ion: 65 Resp: 145683

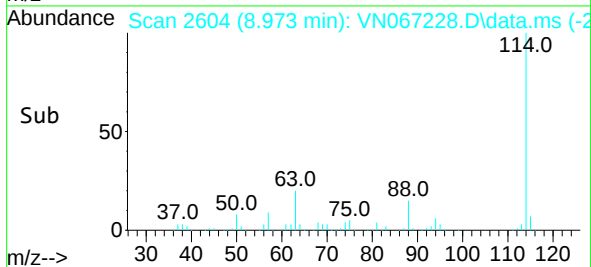
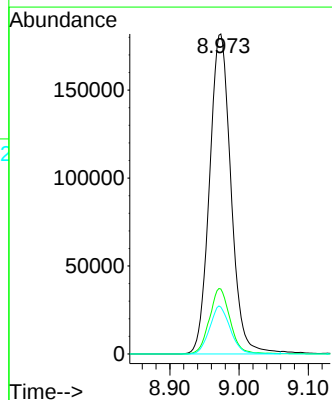
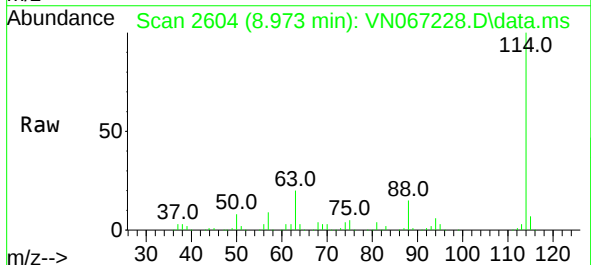
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	110.4

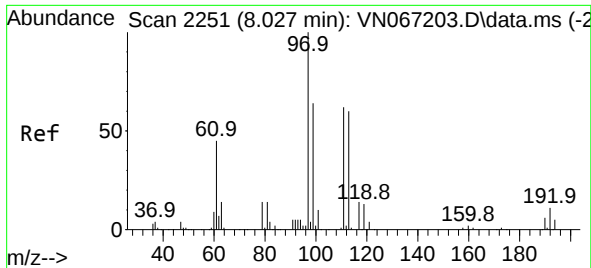


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.973 min Scan# 2604
 Delta R.T. 0.003 min
 Lab File: VN067228.D
 Acq: 5 Jun 2021 14:28

Tgt Ion: 114 Resp: 390696

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	35.8
88	14.6	0.0	30.4

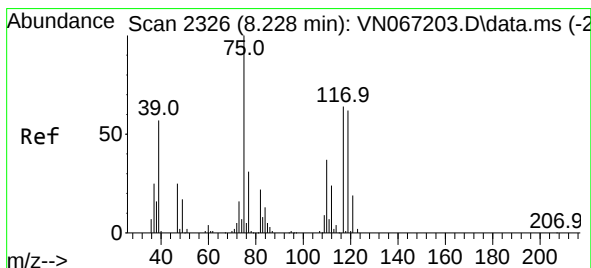
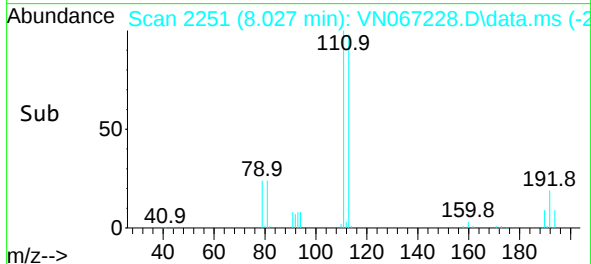
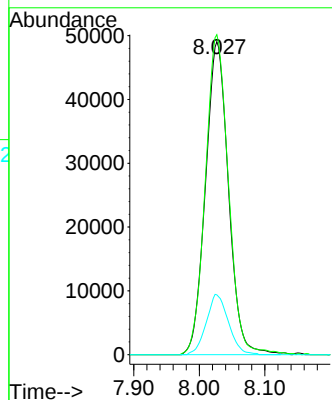
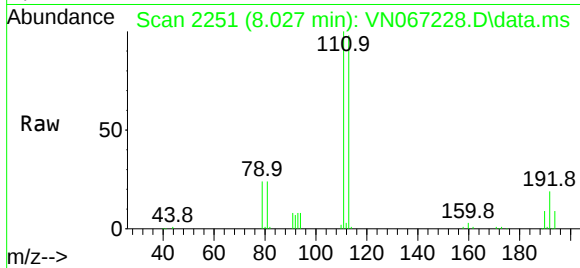




#35
Dibromofluoromethane
Concen: 49.274 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

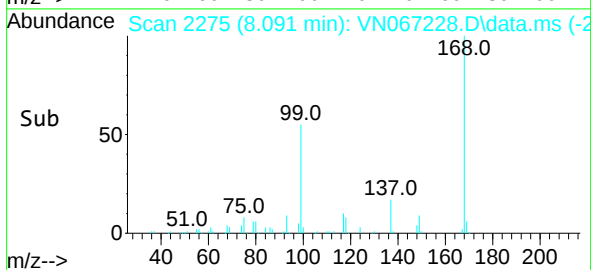
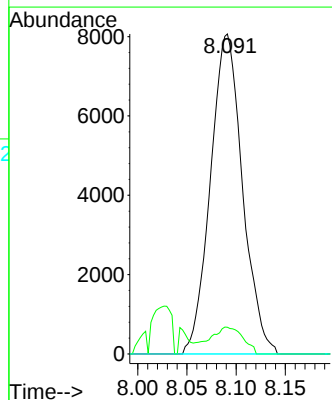
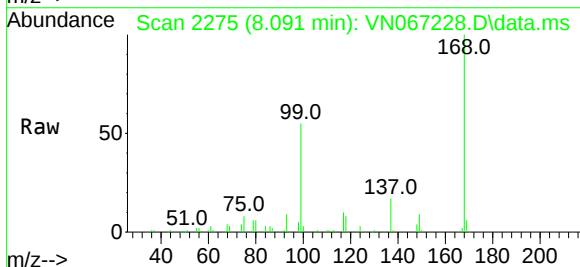
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

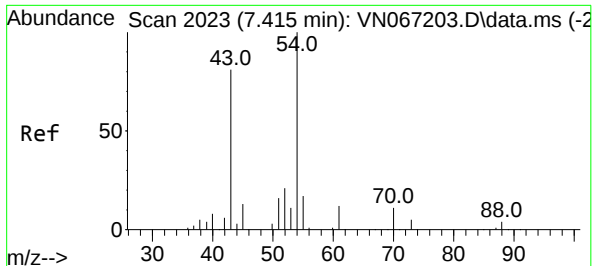
Tgt Ion:113 Resp: 119346
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 18.6 18.2 27.4



#36
1,1-Dichloropropene
Concen: 5.080 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.137 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Tgt Ion: 75 Resp: 18329
Ion Ratio Lower Upper
75 100
110 7.6 19.1 57.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.362 ug/l

RT: 7.340 min Scan# 1995

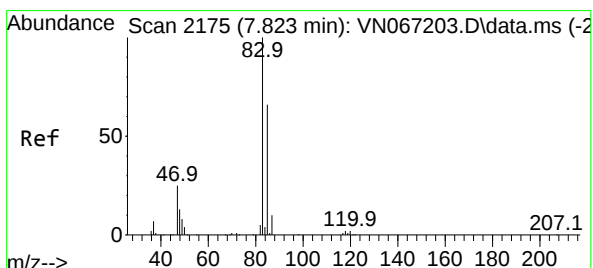
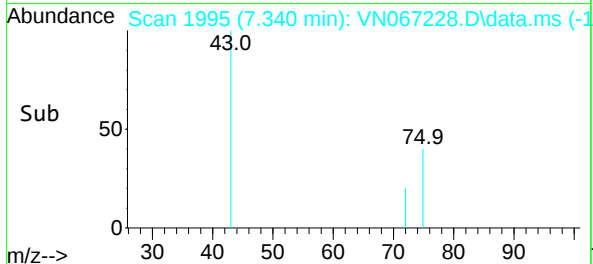
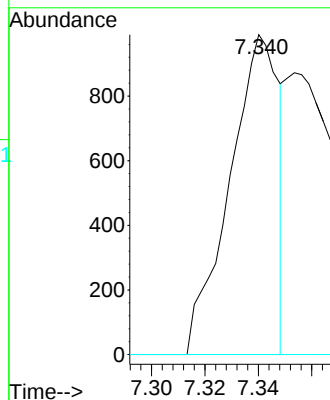
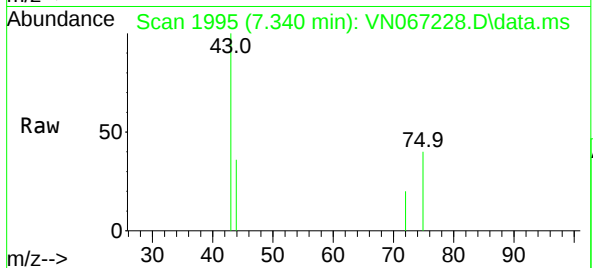
Delta R.T. -0.075 min

Lab File: VN067228.D

Acq: 5 Jun 2021 14:28

Tgt Ion:	43	Resp:	1259
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(0-2)



#38

Carbon Tetrachloride

Concen: 5.732 ug/l

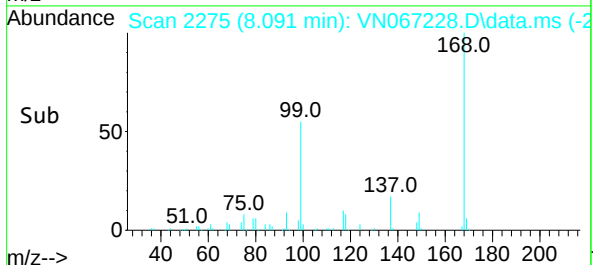
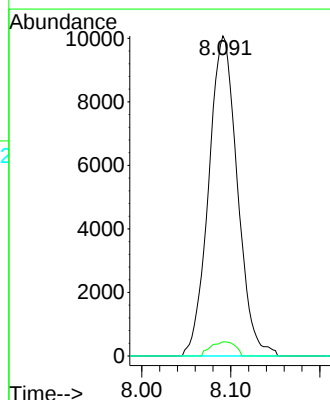
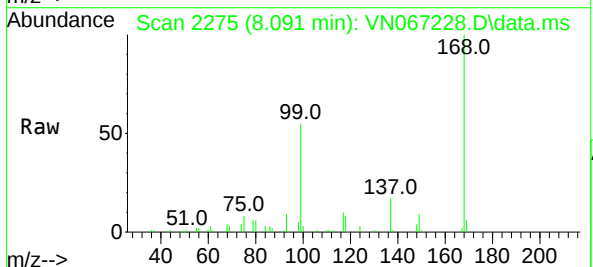
RT: 8.091 min Scan# 2275

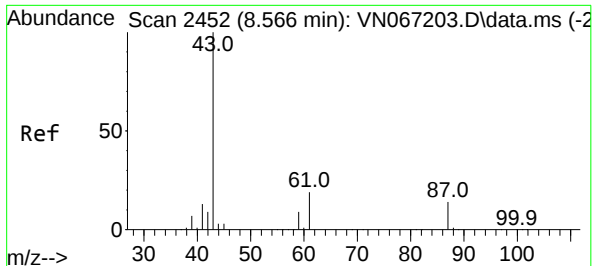
Delta R.T. -0.121 min

Lab File: VN067228.D

Acq: 5 Jun 2021 14:28

Tgt Ion:	117	Resp:	22586
Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.2	117.2#
121	0.0	24.7	37.1#

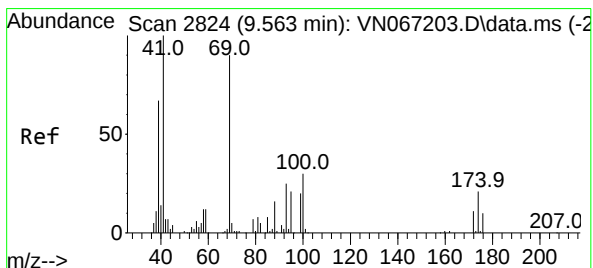
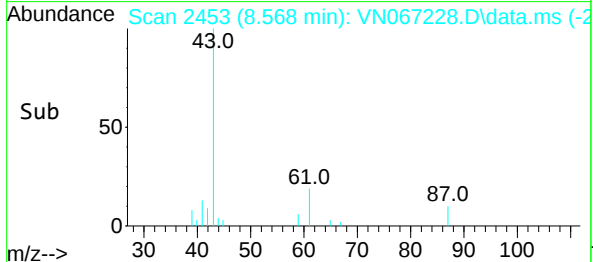
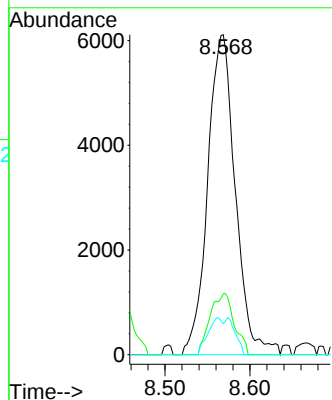
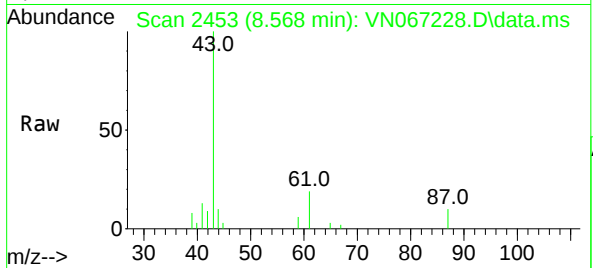




#43
Isopropyl Acetate
Concen: 2.088 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.003 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

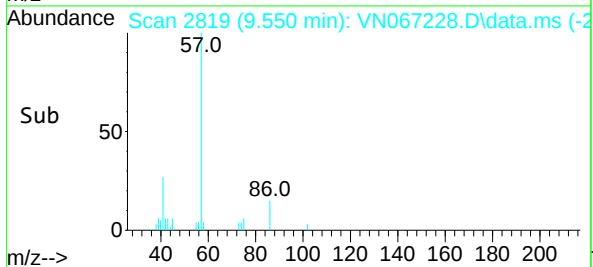
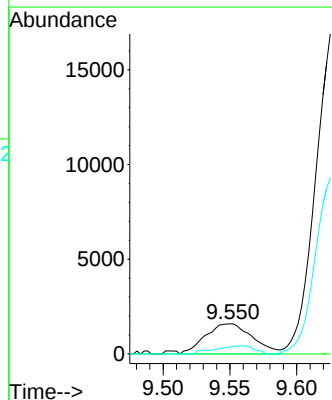
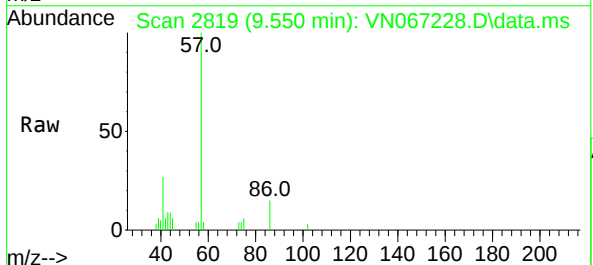
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

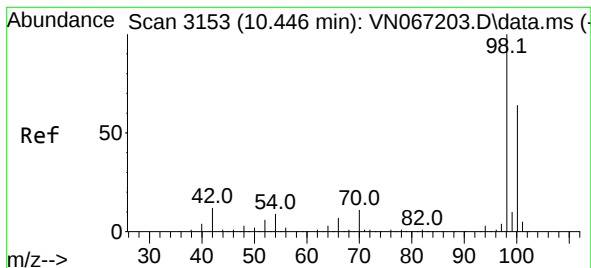
Tgt Ion:	43	Resp:	13809
Ion	Ratio	Lower	Upper
43	100		
61	16.7	23.4	35.0#
87	6.3	12.2	18.2#



#48
Methyl methacrylate
Concen: 1.362 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.013 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Tgt Ion:	41	Resp:	3905
Ion	Ratio	Lower	Upper
41	100		
69	0.0	80.5	120.7#
39	22.4	41.4	62.0#

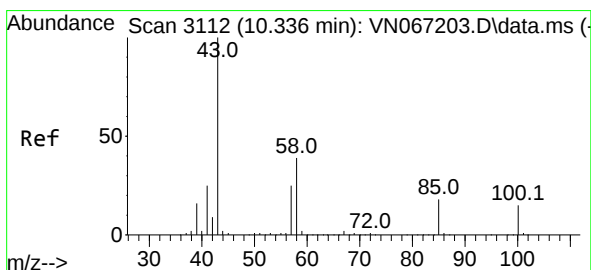
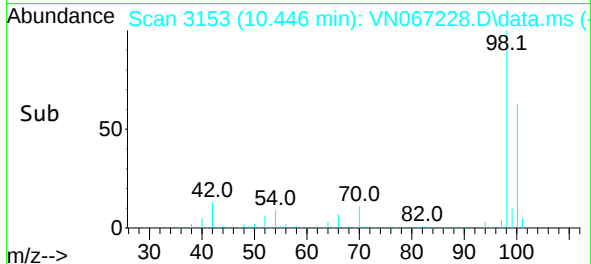
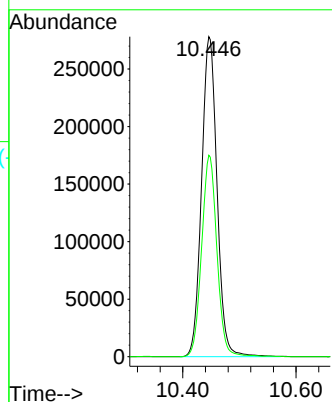
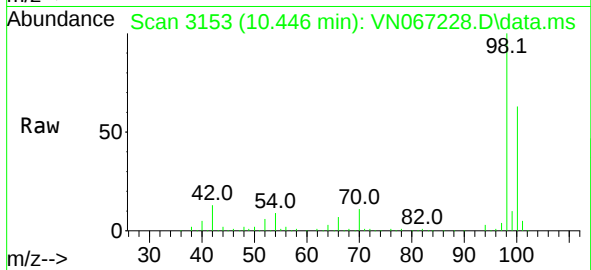




#50
Toluene-d8
Concen: 53.381 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

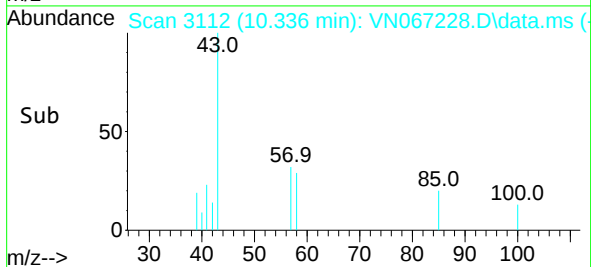
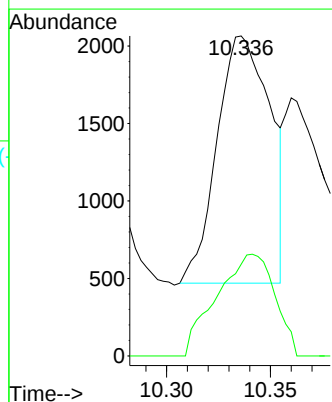
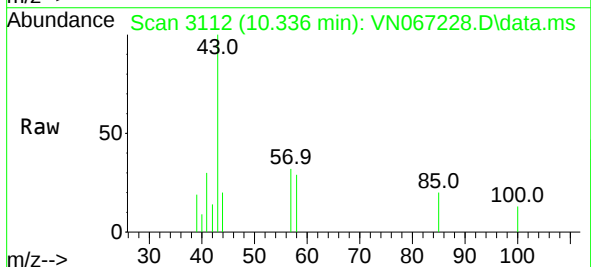
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

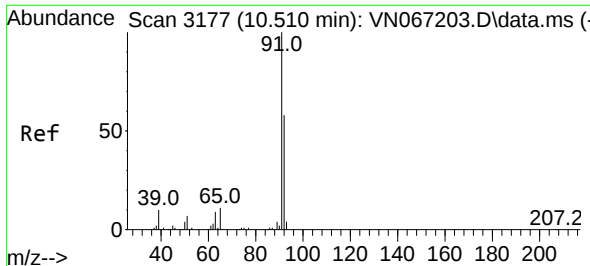
Tgt Ion: 98 Resp: 526567
Ion Ratio Lower Upper
98 100
100 62.2 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.732 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. -0.000 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Tgt Ion: 43 Resp: 2837
Ion Ratio Lower Upper
43 100
58 45.0 34.5 51.7

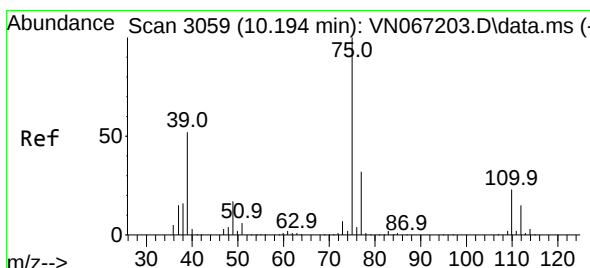
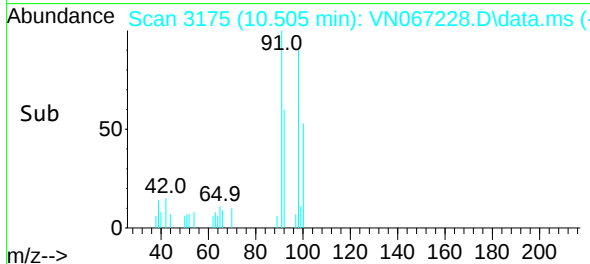
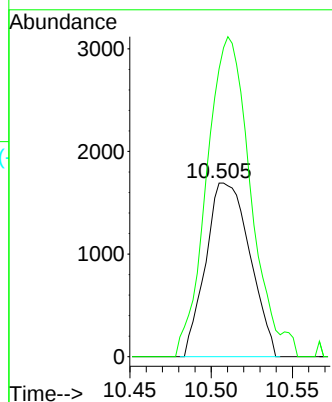
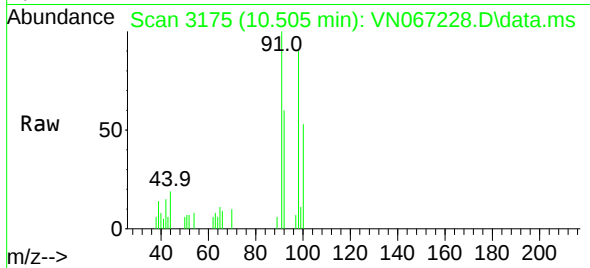




#52
Toluene
Concen: 0.432 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.005 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

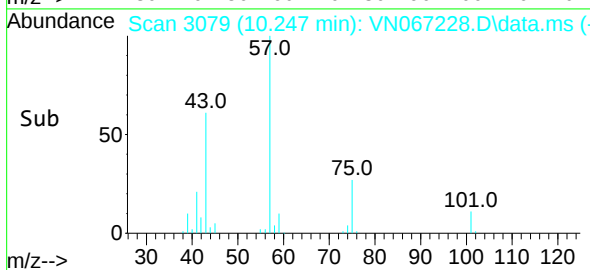
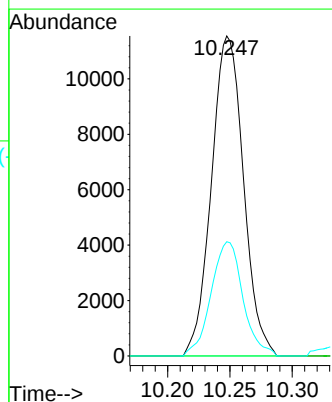
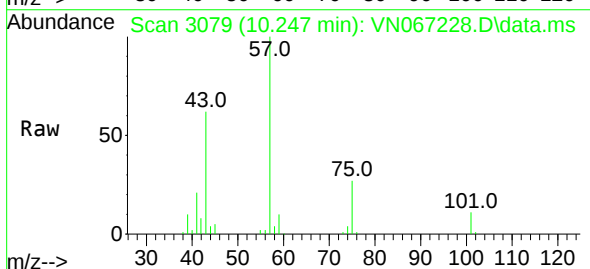
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

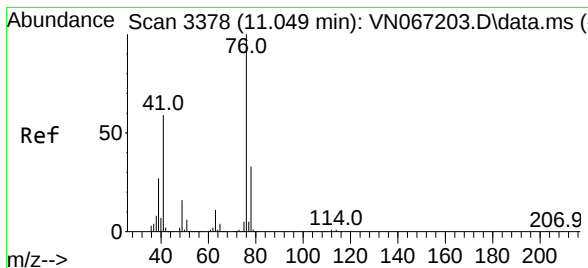
Tgt Ion: 92 Resp: 3190
Ion Ratio Lower Upper
92 100
91 183.9 138.7 208.1



#54
cis-1,3-Dichloropropene
Concen: 4.320 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.054 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Tgt Ion: 75 Resp: 20645
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 35.7 30.9 46.3

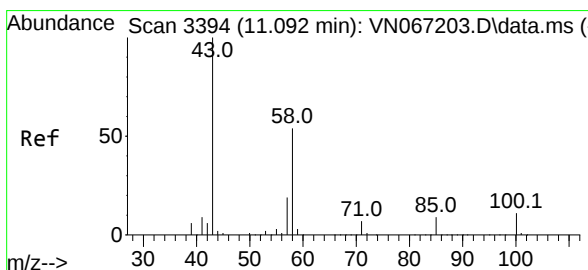
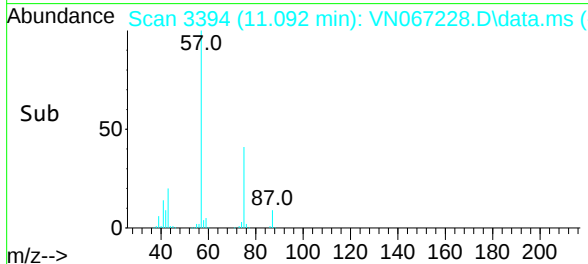
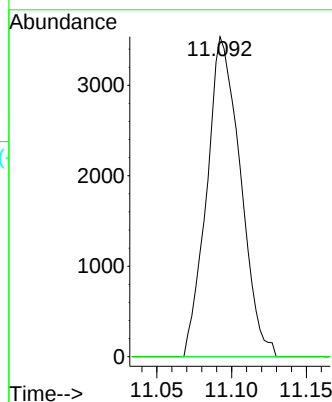
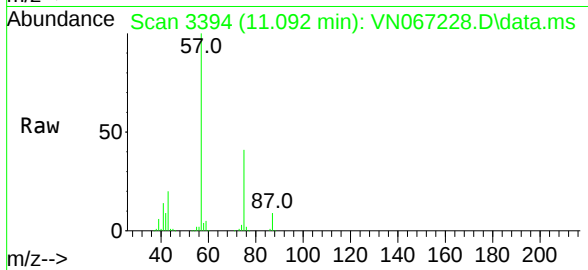




#57
1,3-Dichloropropane
Concen: 1.197 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.043 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

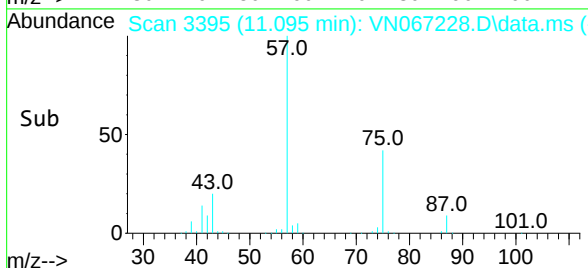
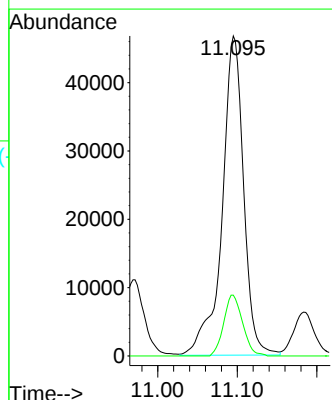
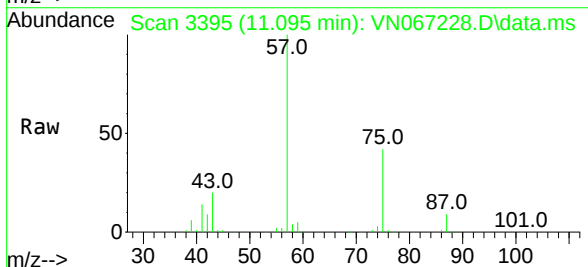
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

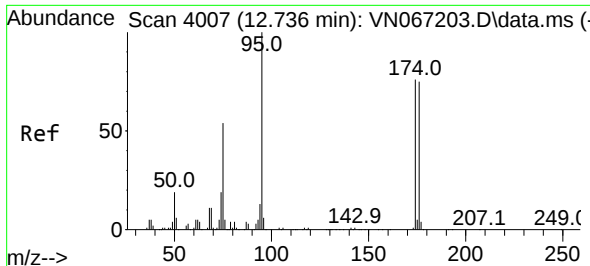
Tgt Ion: 76 Resp: 5531
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 31.181 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Tgt Ion: 43 Resp: 87838
Ion Ratio Lower Upper
43 100
58 16.8 29.8 89.5#

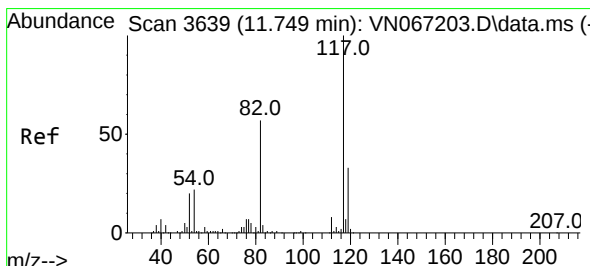
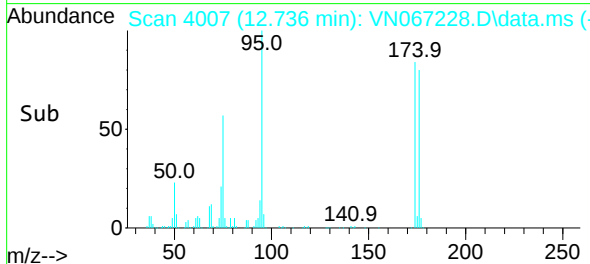
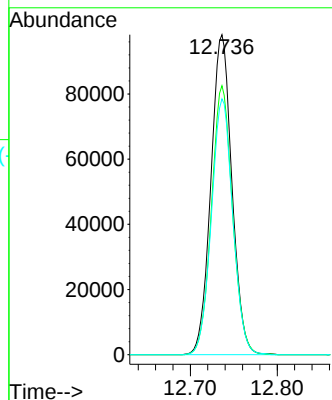
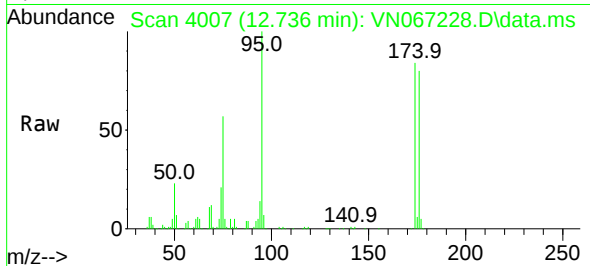




#62
4-Bromofluorobenzene
Concen: 43.437 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.000 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

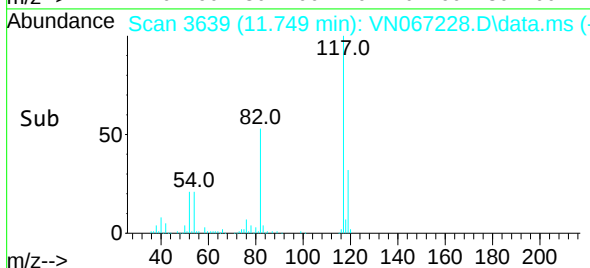
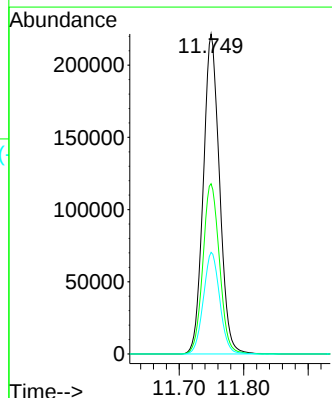
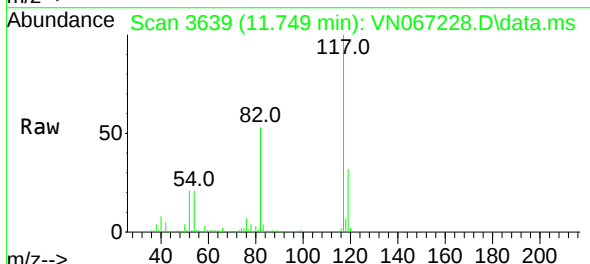
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

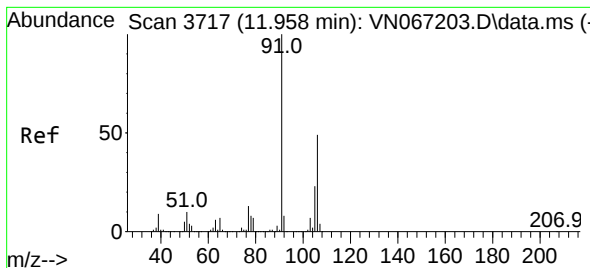
Tgt Ion: 95 Resp: 165023
Ion Ratio Lower Upper
95 100
174 84.2 0.0 182.8
176 81.1 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.000 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Tgt Ion: 117 Resp: 387734
Ion Ratio Lower Upper
117 100
82 53.2 42.2 63.2
119 31.7 25.8 38.6

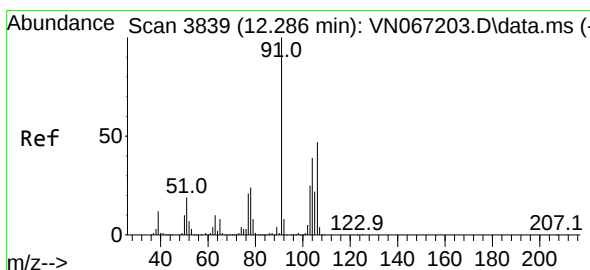
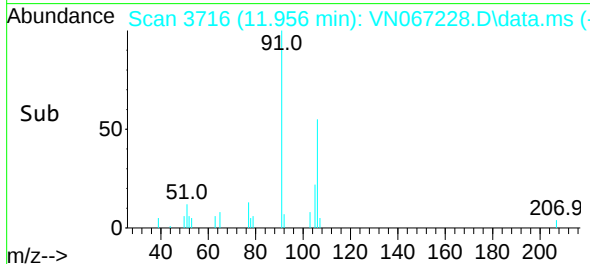
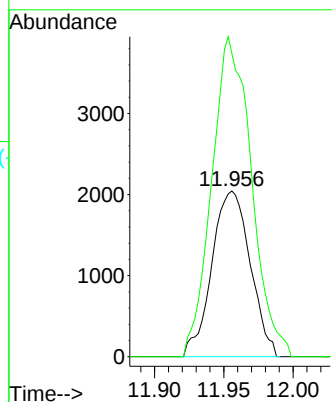
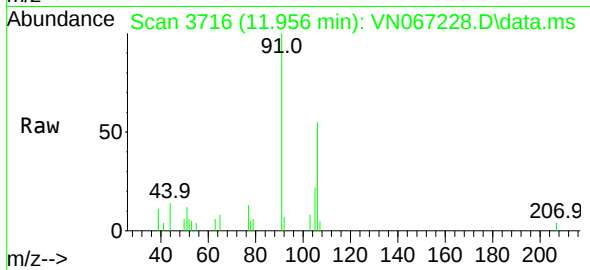




#68
m/p-Xylenes
Concen: 0.660 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.002 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

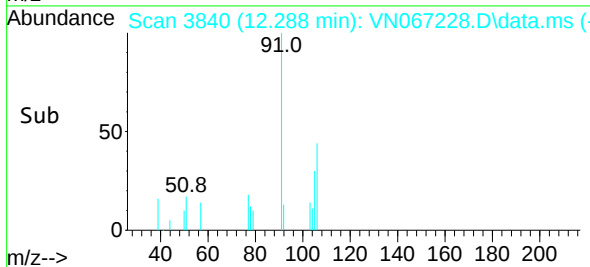
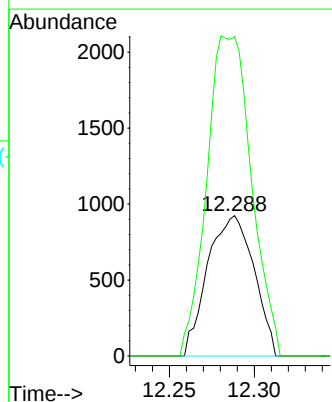
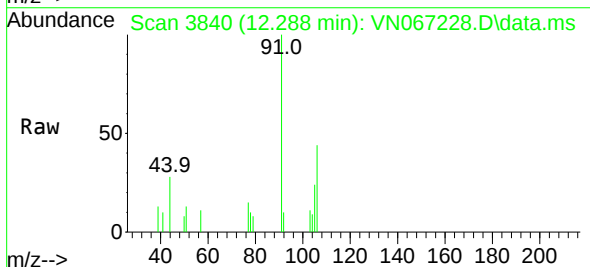
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

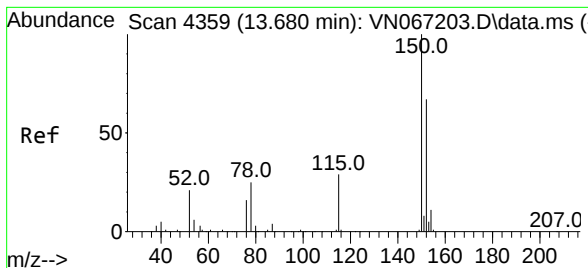
Tgt Ion:106 Resp: 3942
Ion Ratio Lower Upper
106 100
91 199.6 155.2 232.8



#69
o-Xylene
Concen: 0.300 ug/l
RT: 12.288 min Scan# 3840
Delta R.T. 0.003 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Tgt Ion:106 Resp: 1752
Ion Ratio Lower Upper
106 100
91 220.1 102.3 306.8

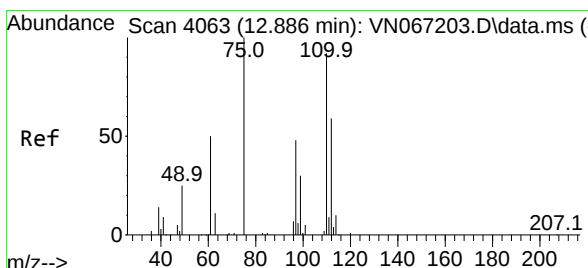
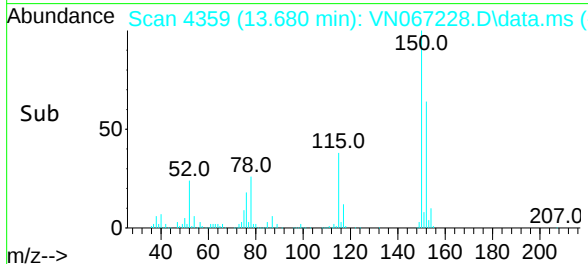
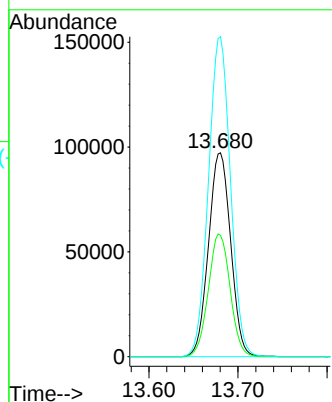
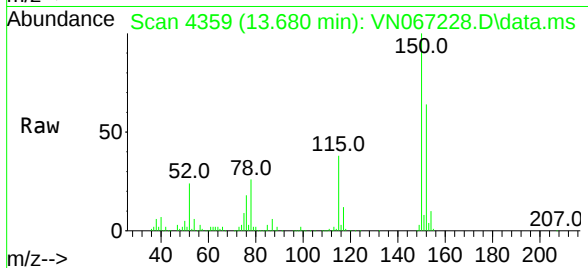




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.680 min Scan# 4359
 Delta R.T. 0.000 min
 Lab File: VN067228.D
 Acq: 5 Jun 2021 14:28

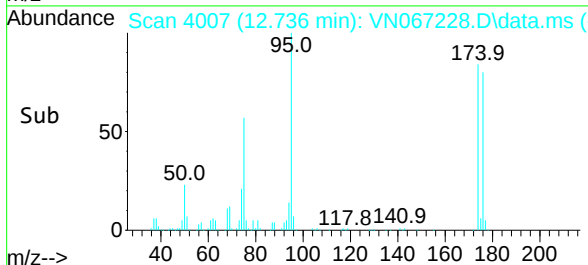
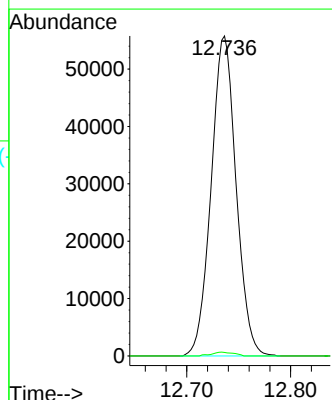
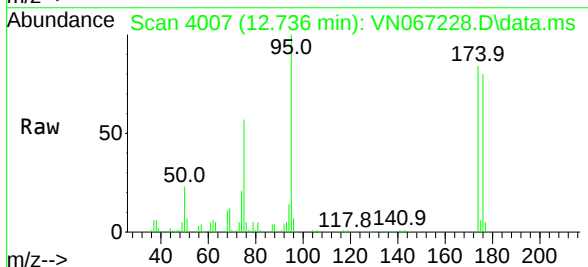
Instrument :
 MSVOA_N
 ClientSampled :
 18-B10(0-2)

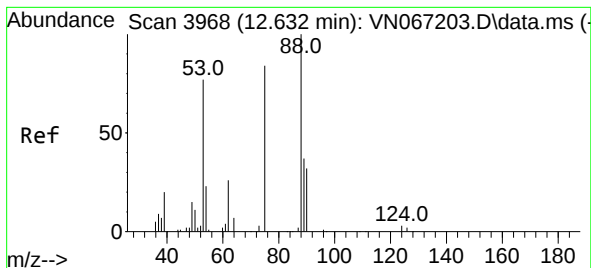
Tgt Ion:152 Resp: 168330
 Ion Ratio Lower Upper
 152 100
 115 59.0 27.0 80.8
 150 155.4 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 28.750 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. -0.150 min
 Lab File: VN067228.D
 Acq: 5 Jun 2021 14:28

Tgt Ion: 75 Resp: 93065
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

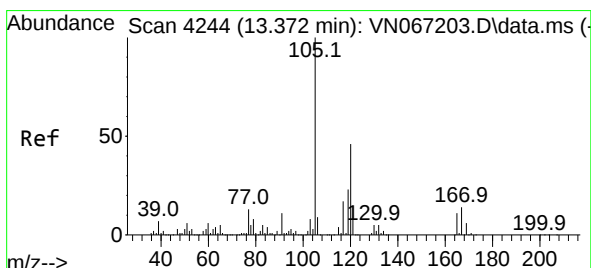
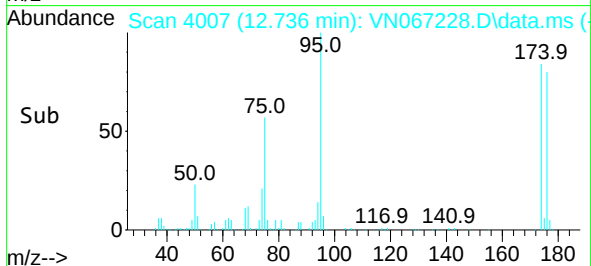
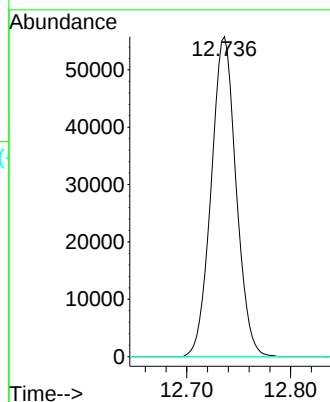
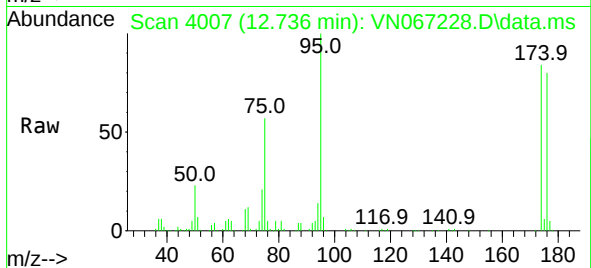




#81
trans-1,4-Dichloro-2-butene
Concen: 70.342 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

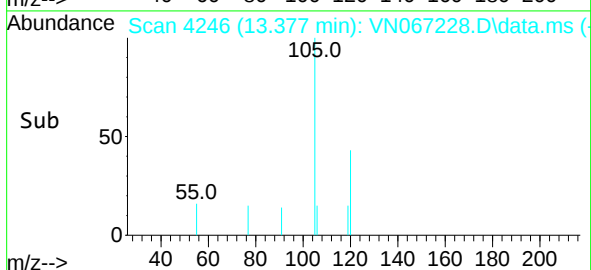
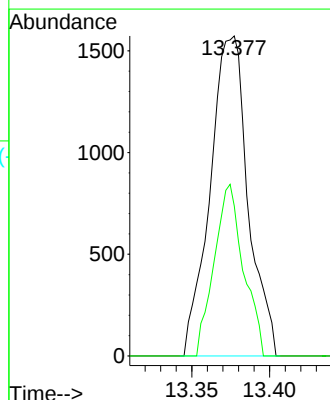
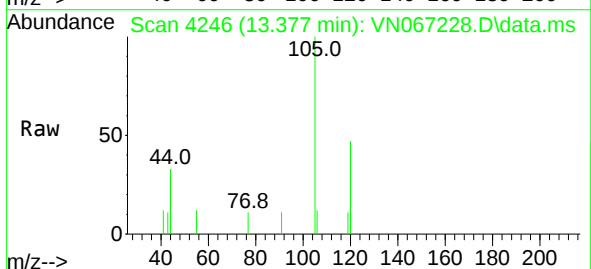
Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)

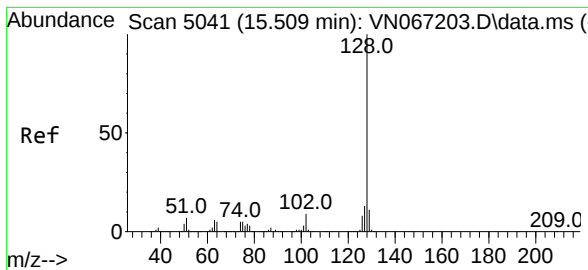
Tgt Ion: 75 Resp: 93065
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.242 ug/l
RT: 13.377 min Scan# 4246
Delta R.T. 0.005 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

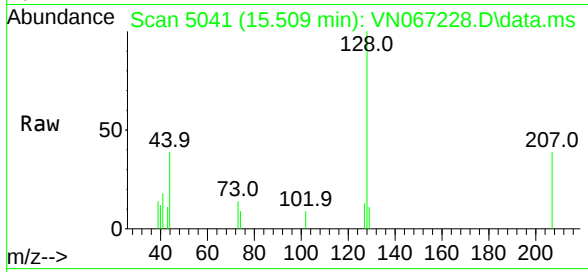
Tgt Ion:105 Resp: 2666
Ion Ratio Lower Upper
105 100
120 41.3 23.8 71.2





#95
Naphthalene
Concen: 4.844 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067228.D
Acq: 5 Jun 2021 14:28

Instrument :
MSVOA_N
ClientSampleId :
18-B10(0-2)



Tgt Ion:128 Resp: 3448
Ion Ratio Lower Upper
128 100
127 11.1 10.2 15.2
129 2.4 8.6 13.0#

