

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060421\
 Data File : VN067216.D
 Acq On : 4 Jun 2021 23:34
 Operator : JC/MD
 Sample : M2589-34
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jun 05 05:34:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 04 19:00:20 2021
 Response via : Initial Calibration

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

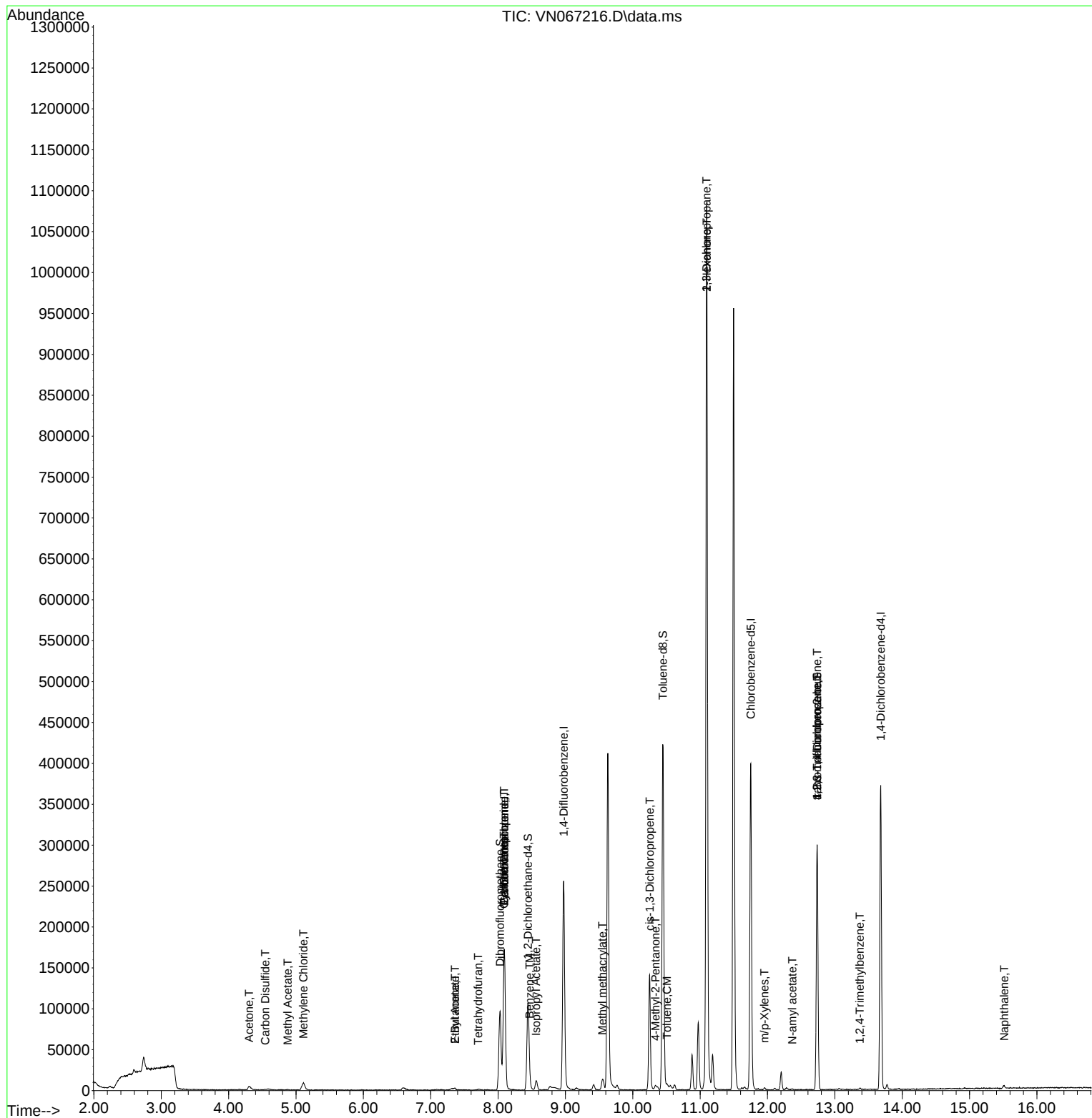
Internal Standards						
1) Pentafluorobenzene	8.094	168	137172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.973	114	233284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.752	117	230648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	99339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	84272	45.069	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.140%		
35) Dibromofluoromethane	8.029	113	70330	48.631	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.260%		
50) Toluene-d8	10.446	98	301657	51.215	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.440%		
62) 4-Bromofluorobenzene	12.736	95	98100	43.245	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	86.500%		
Target Compounds					Qvalue	
13) Acrolein	4.052	56	53	Below Cal	#	1
16) Acetone	4.304	43	8668	13.435	ug/l	92
17) Carbon Disulfide	4.543	76	1215	0.318	ug/l #	74
18) Methyl Acetate	4.875	43	524	0.287	ug/l #	48
20) Methylene Chloride	5.109	84	7562	4.654	ug/l	95
25) 2-Butanone	7.359	43	3938	3.812	ug/l	90
29) Tetrahydrofuran	7.702	42	292	0.475	ug/l #	28
31) Cyclohexane	8.088	56	3432	1.367	ug/l #	34
36) 1,1-Dichloropropene	8.091	75	10948	5.081	ug/l #	44
37) Ethyl Acetate	7.359	43	3938	1.896	ug/l #	65
38) Carbon Tetrachloride	8.091	117	13647	5.800	ug/l #	15
40) Benzene	8.469	78	4010	0.600	ug/l	96
43) Isopropyl Acetate	8.566	43	14874	3.766	ug/l #	81
48) Methyl methacrylate	9.550	41	3509	2.050	ug/l #	9
51) 4-Methyl-2-Pentanone	10.336	43	3078	1.330	ug/l	97
52) Toluene	10.507	92	1933	0.438	ug/l	95
54) cis-1,3-Dichloropropene	10.250	75	26044	9.128	ug/l #	68
57) 1,3-Dichloropropane	11.095	76	11080	4.017	ug/l #	42
59) 2-Hexanone	11.097	43	173596	103.206	ug/l #	43
68) m/p-Xylenes	11.956	106	871	0.245	ug/l #	69
74) N-amyl acetate	12.369	43	1145	0.376	ug/l #	50
76) 1,2,3-Trichloropropane	12.736	75	54833	28.703	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.736	75	54833	70.228	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.369	105	1474	0.226	ug/l #	59
95) Naphthalene	15.515	128	3971	5.244	ug/l #	89

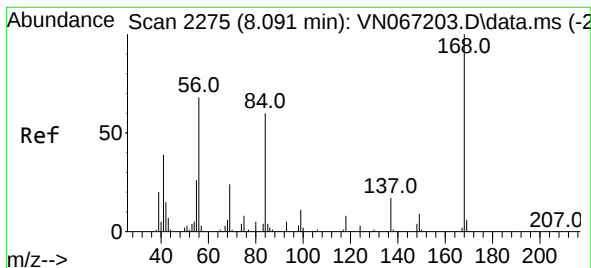
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060421\
Data File : VN067216.D
Acq On : 4 Jun 2021 23:34
Operator : JC/MD
Sample : M2589-34
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Jun 05 05:34:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060421W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 04 19:00:20 2021
Response via : Initial Calibration

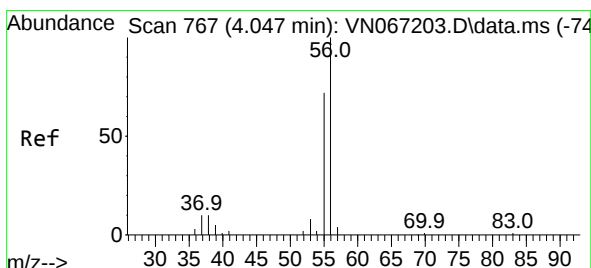
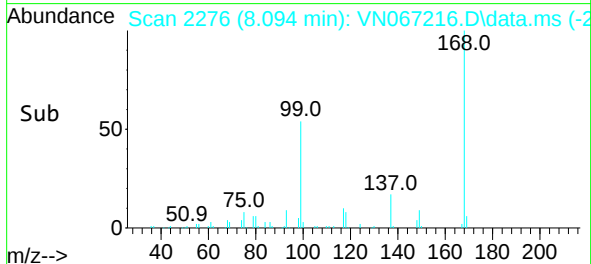
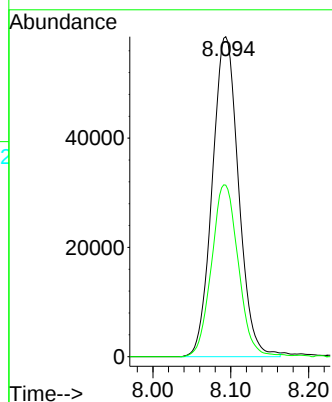
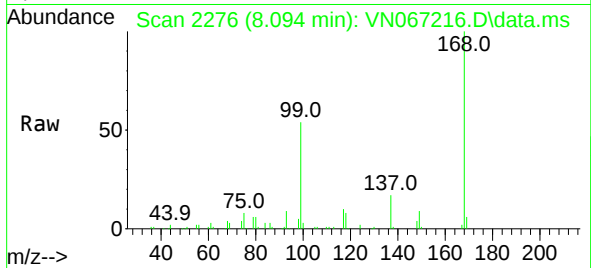




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. 0.003 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

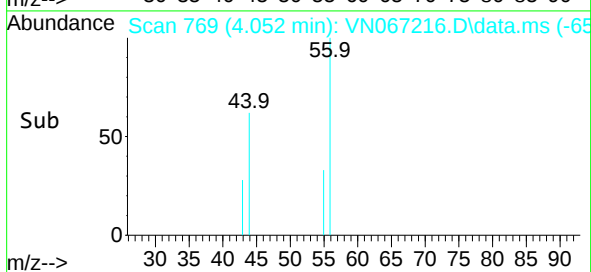
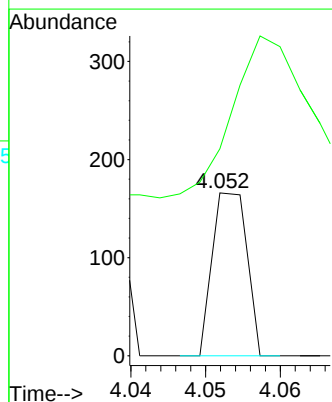
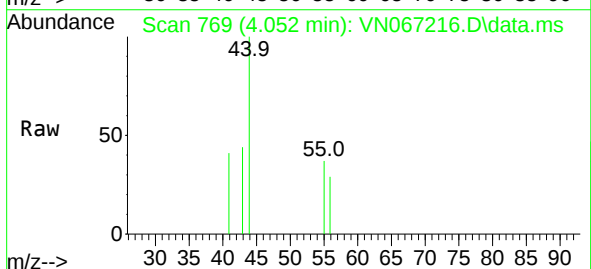
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

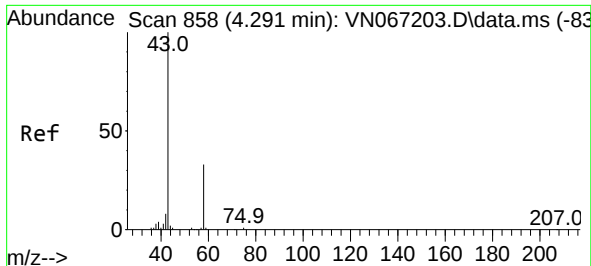
Tgt Ion:168 Resp: 137172
Ion Ratio Lower Upper
168 100
99 53.6 38.5 57.7



#13
Acrolein
Concen: Below Cal
RT: 4.052 min Scan# 769
Delta R.T. 0.005 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

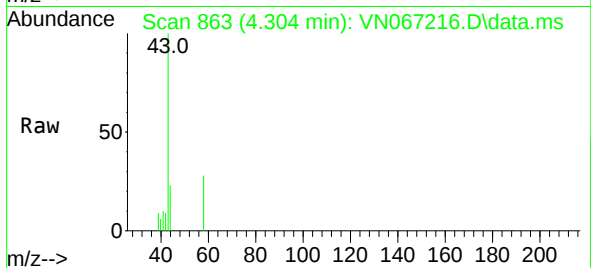
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 971.7 53.8 80.6#



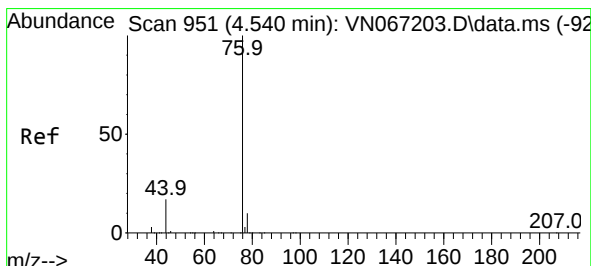
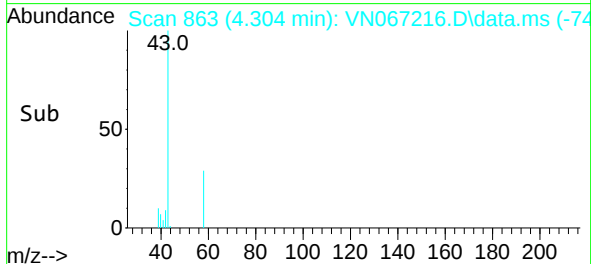
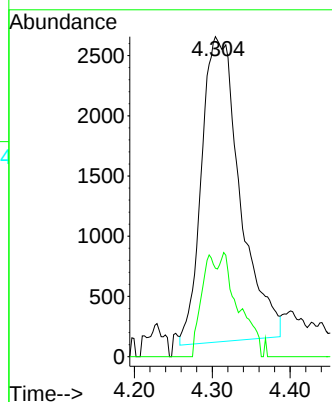


#16
Acetone
Concen: 13.435 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

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

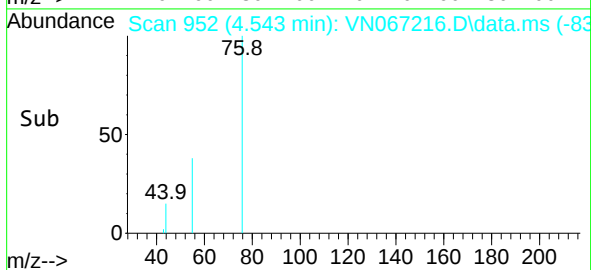
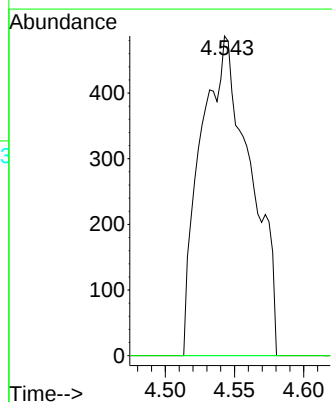
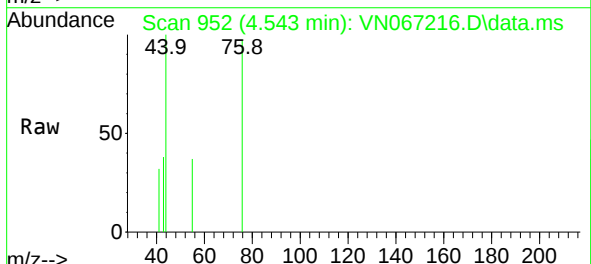


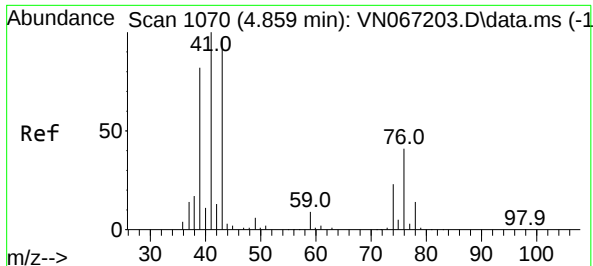
Tgt Ion: 43 Resp: 8668
Ion Ratio Lower Upper
43 100
58 29.5 27.2 40.8



#17
Carbon Disulfide
Concen: 0.318 ug/l
RT: 4.543 min Scan# 952
Delta R.T. 0.003 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

Tgt Ion: 76 Resp: 1215
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#18

Methyl Acetate

Concen: 0.287 ug/l

RT: 4.875 min Scan# 1076

Delta R.T. 0.016 min

Lab File: VN067216.D

Acq: 4 Jun 2021 23:34

Tgt Ion: 43 Resp: 524

Ion Ratio Lower Upper

43 100

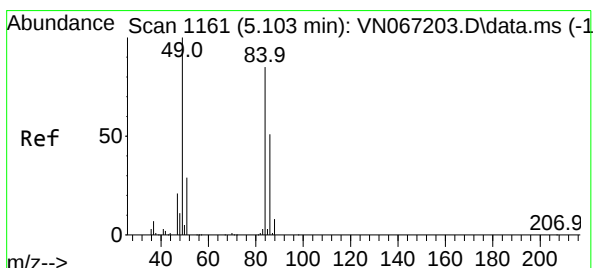
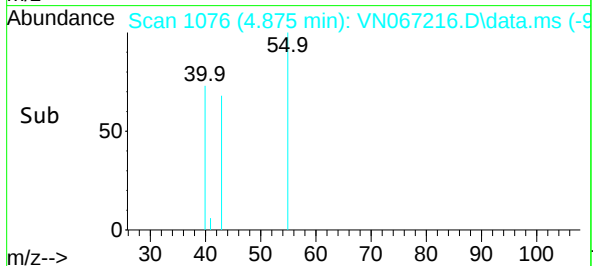
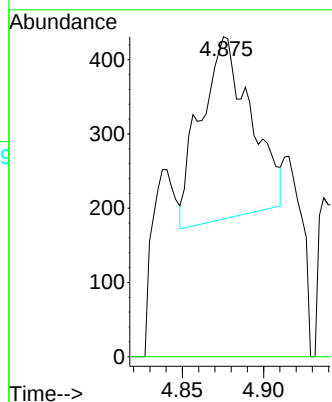
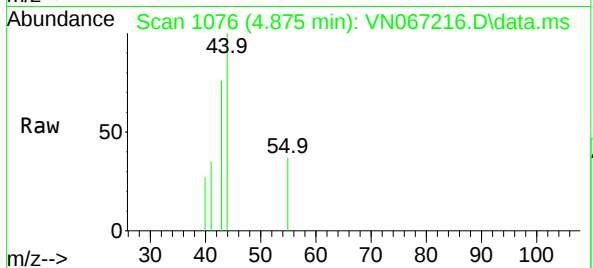
74 0.0 21.4 32.2#

Instrument :

MSVOA_N

ClientSampleId :

18-B11(0-2)



#20

Methylene Chloride

Concen: 4.654 ug/l

RT: 5.109 min Scan# 1163

Delta R.T. 0.005 min

Lab File: VN067216.D

Acq: 4 Jun 2021 23:34

Tgt Ion: 84 Resp: 7562

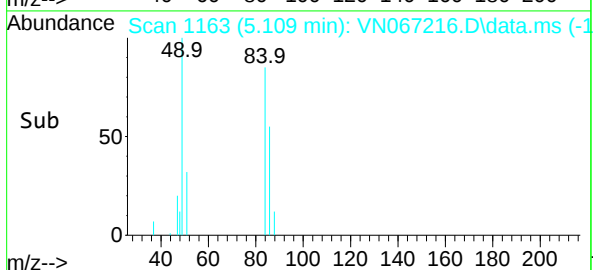
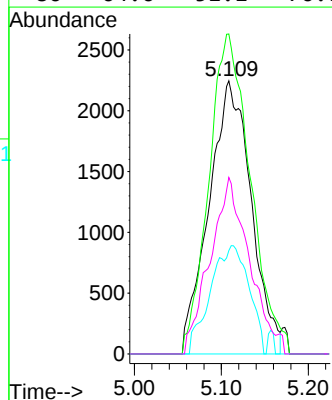
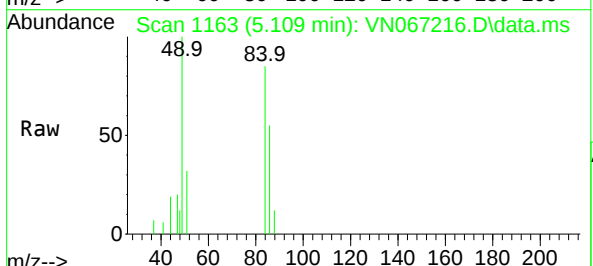
Ion Ratio Lower Upper

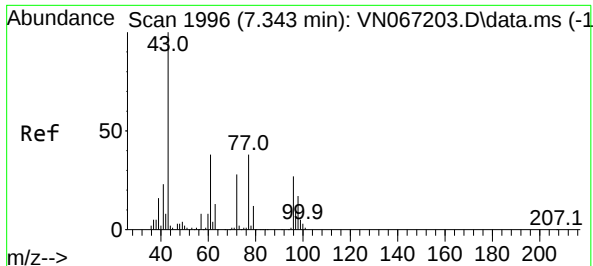
84 100

49 117.1 88.3 132.5

51 37.8 26.7 40.1

86 64.6 51.1 76.7

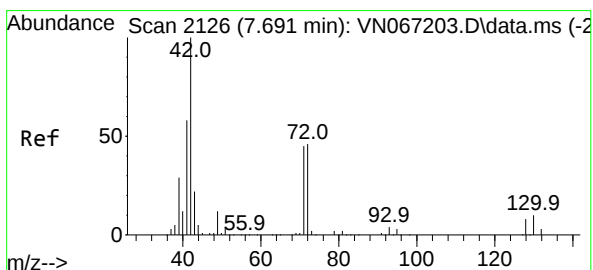
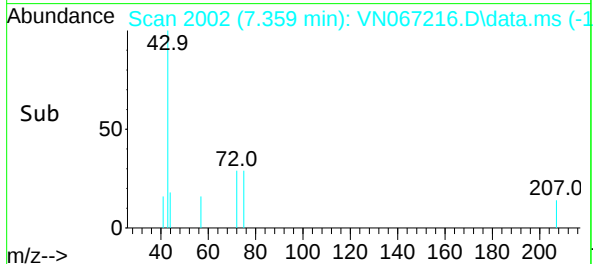
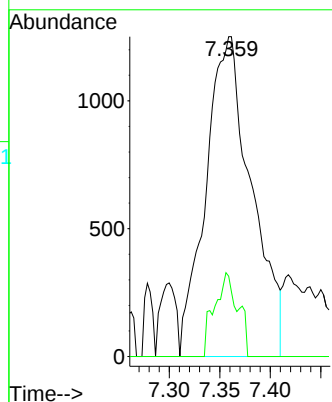
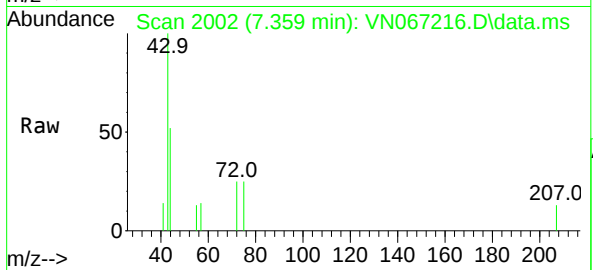




#25
2-Butanone
Concen: 3.812 ug/l
RT: 7.359 min Scan# 2002
Delta R.T. 0.016 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

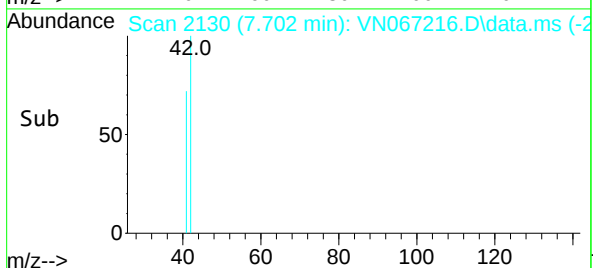
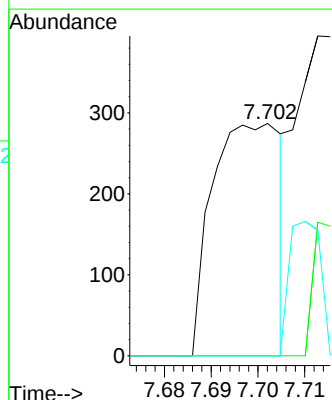
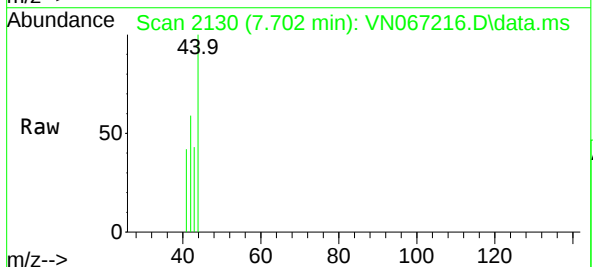
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

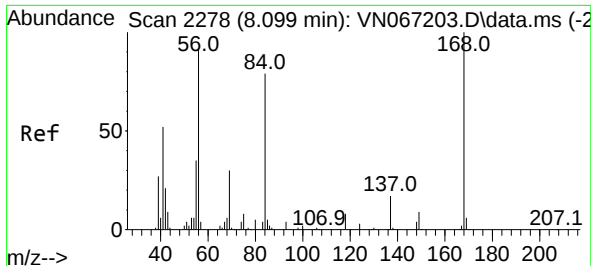
Tgt Ion: 43 Resp: 3938
Ion Ratio Lower Upper
43 100
72 25.1 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.475 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.011 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

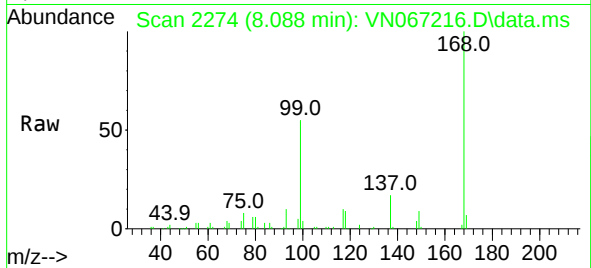
Tgt Ion: 42 Resp: 292
Ion Ratio Lower Upper
42 100
72 0.0 40.1 60.1#
71 0.0 37.9 56.9#



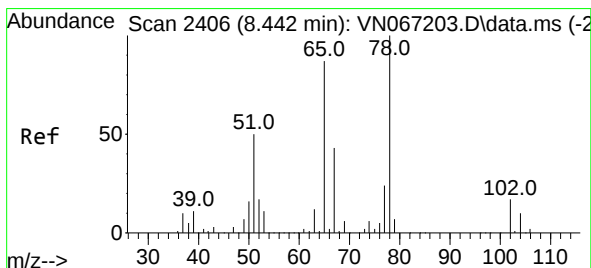
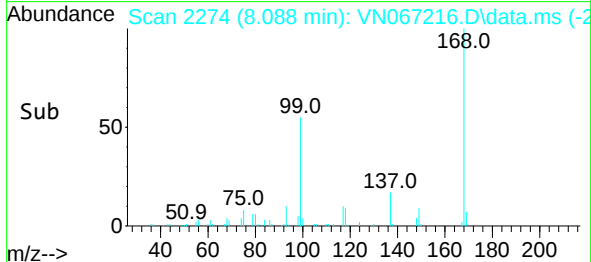
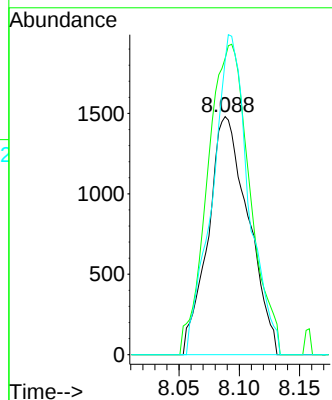


#31
Cyclohexane
Concen: 1.367 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

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

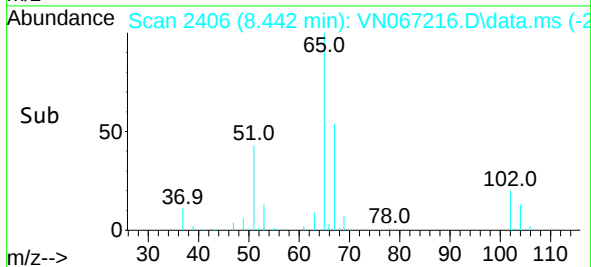
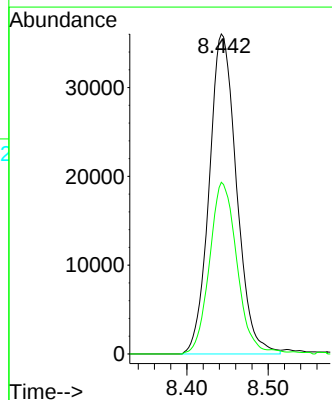
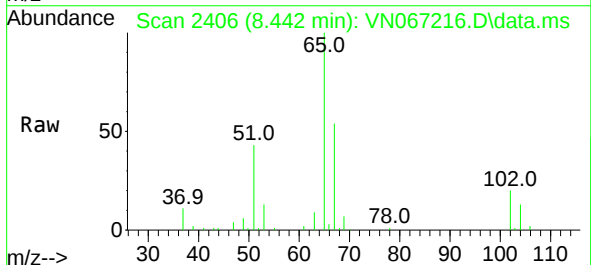


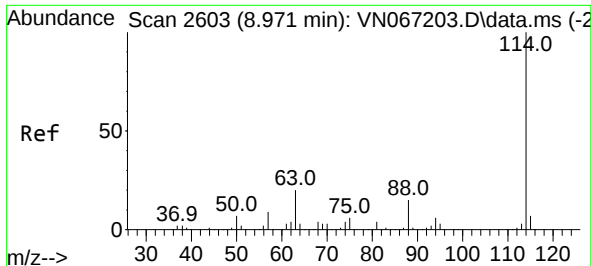
Tgt Ion: 56 Resp: 3432
Ion Ratio Lower Upper
56 100
69 124.4 28.0 42.0#
84 123.5 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 45.069 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

Tgt Ion: 65 Resp: 84272
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.4

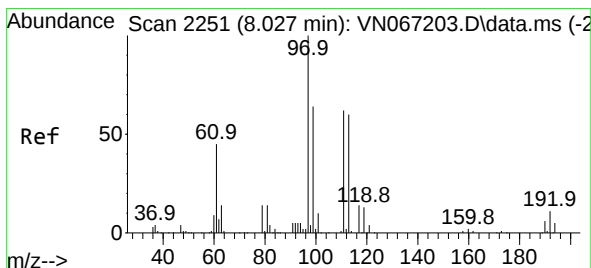
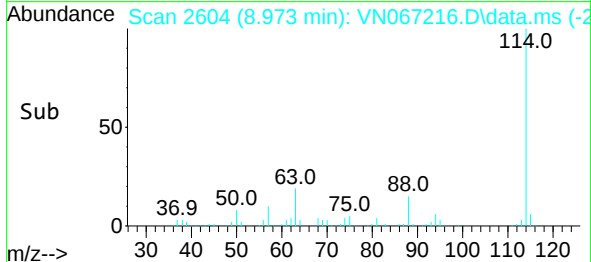
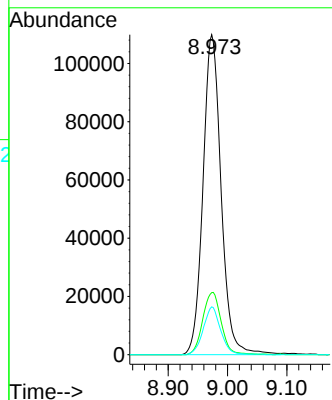
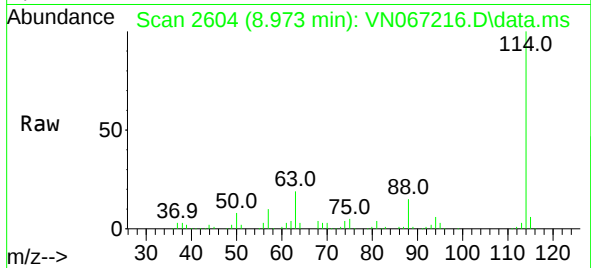




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.973 min Scan# 2604
Delta R.T. 0.003 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

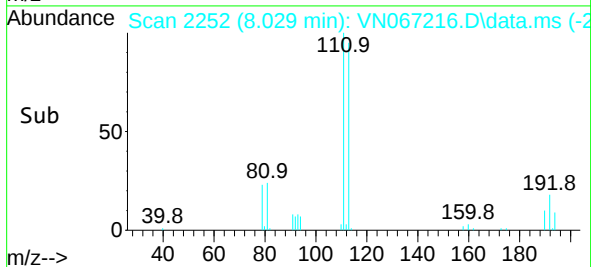
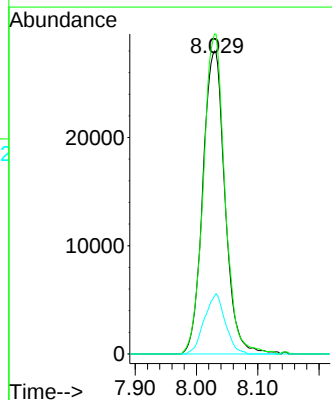
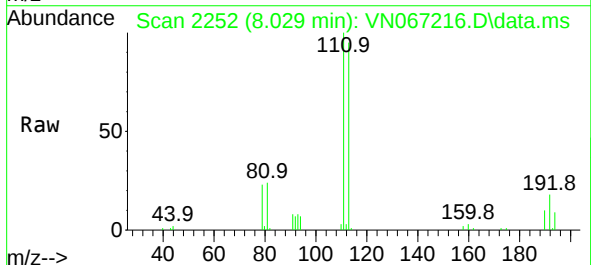
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

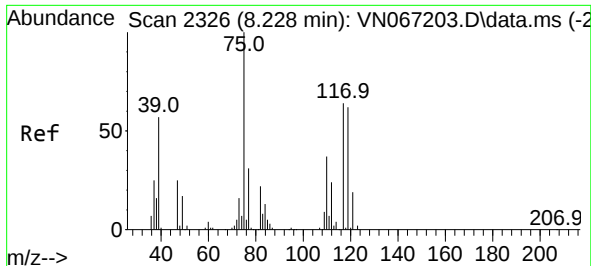
Tgt Ion:114 Resp: 233284
Ion Ratio Lower Upper
114 100
63 19.4 0.0 35.8
88 14.9 0.0 30.4



#35
Dibromofluoromethane
Concen: 48.631 ug/l
RT: 8.029 min Scan# 2252
Delta R.T. 0.003 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

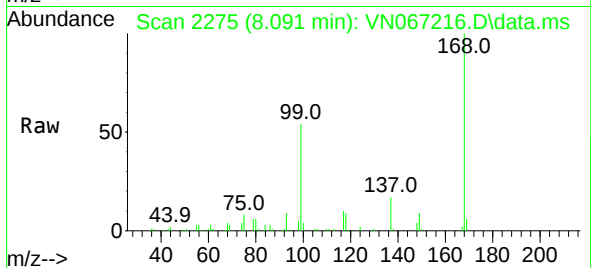
Tgt Ion:113 Resp: 70330
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 18.7 18.2 27.4



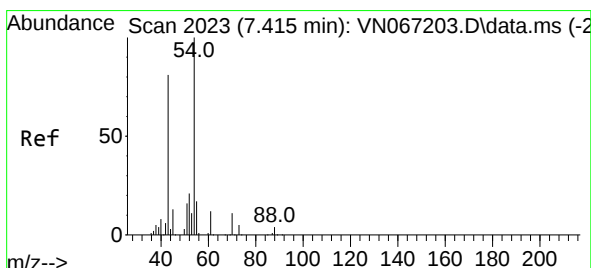
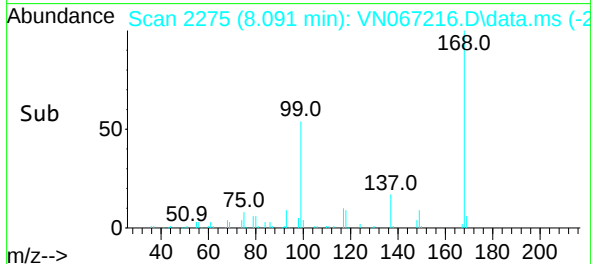
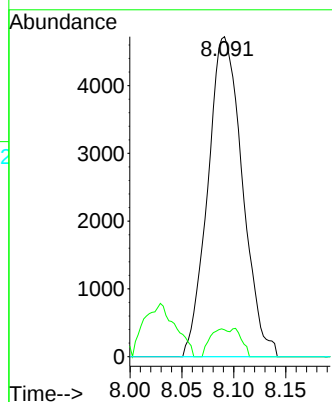


#36
 1,1-Dichloropropene
 Concen: 5.081 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.137 min
 Lab File: VN067216.D
 Acq: 4 Jun 2021 23:34

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

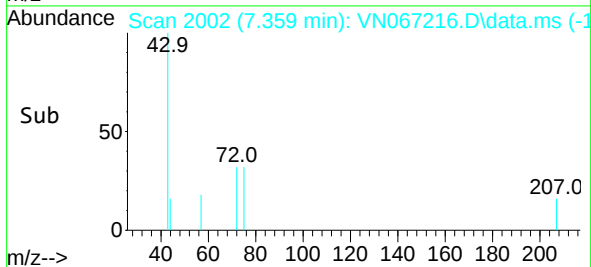
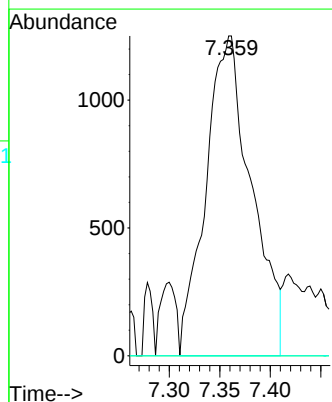
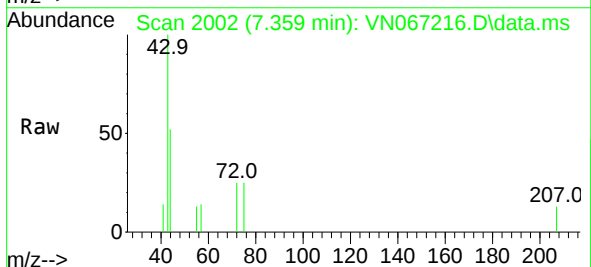


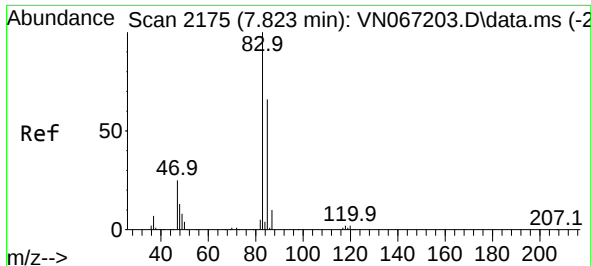
Tgt Ion: 75 Resp: 10948
 Ion Ratio Lower Upper
 75 100
 110 4.9 19.1 57.3#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 1.896 ug/l
 RT: 7.359 min Scan# 2002
 Delta R.T. -0.056 min
 Lab File: VN067216.D
 Acq: 4 Jun 2021 23:34

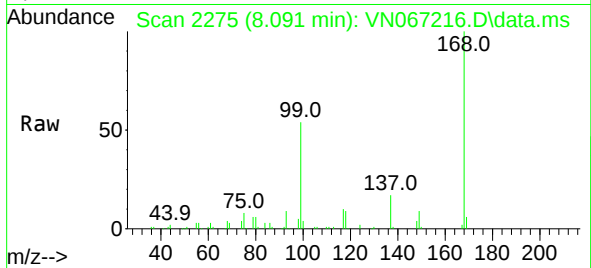
Tgt Ion: 43 Resp: 3938
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.0 19.4#
 70 0.0 9.2 13.8#



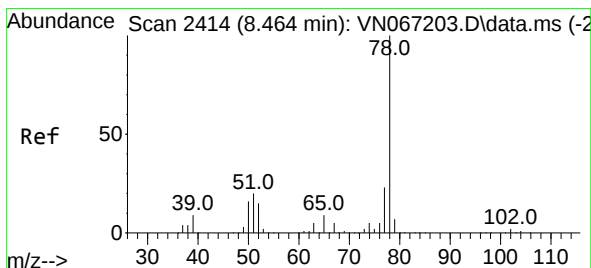
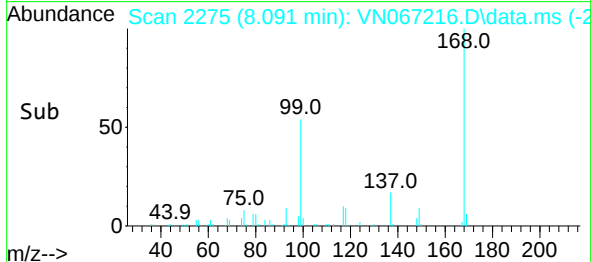
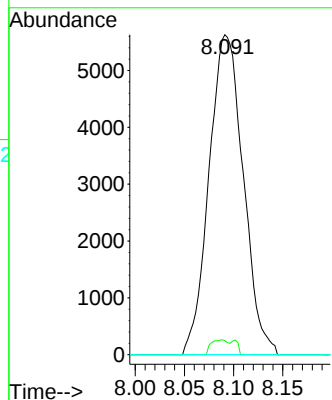


#38
Carbon Tetrachloride
Concen: 5.800 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.121 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

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

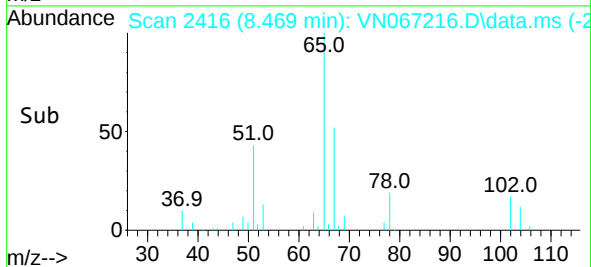
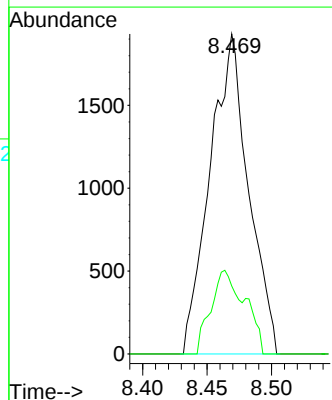
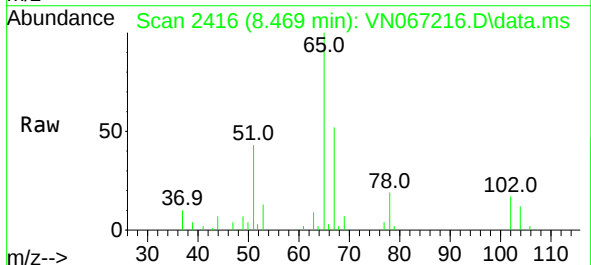


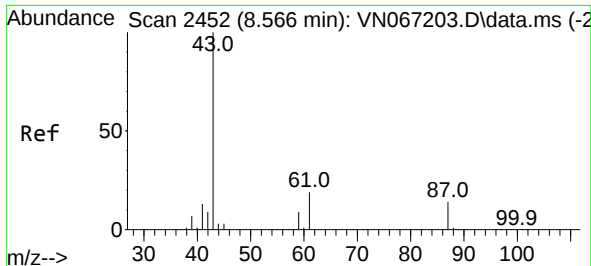
Tgt Ion:117 Resp: 13647
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 0.600 ug/l
RT: 8.469 min Scan# 2416
Delta R.T. 0.005 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

Tgt Ion: 78 Resp: 4010
Ion Ratio Lower Upper
78 100
77 21.2 18.4 27.6

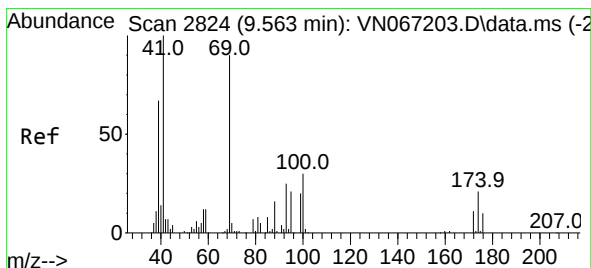
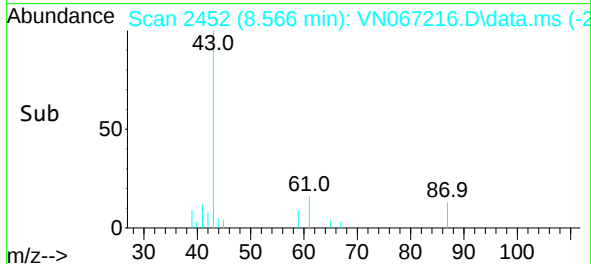
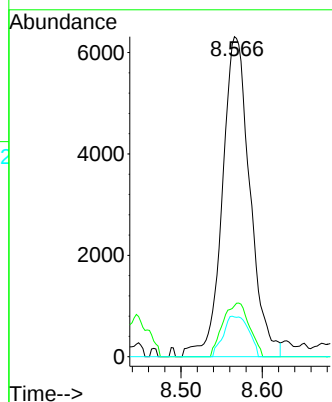
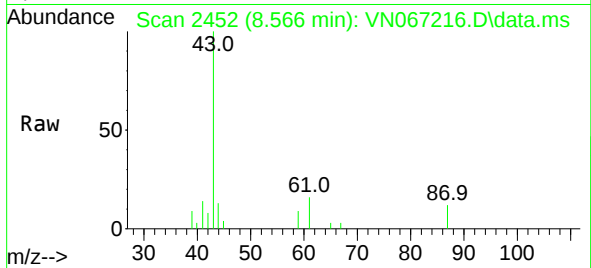




#43
Isopropyl Acetate
Concen: 3.766 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.000 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

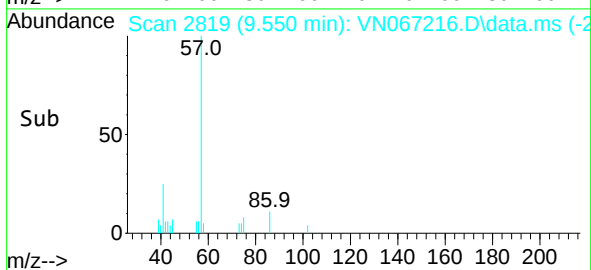
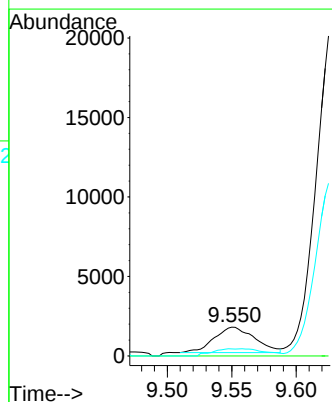
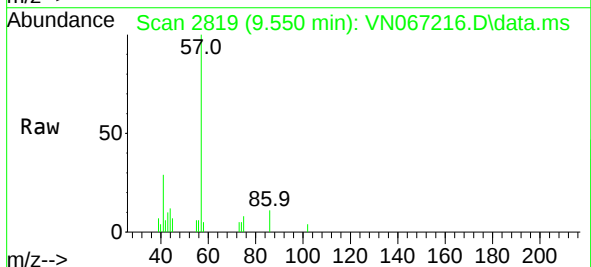
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

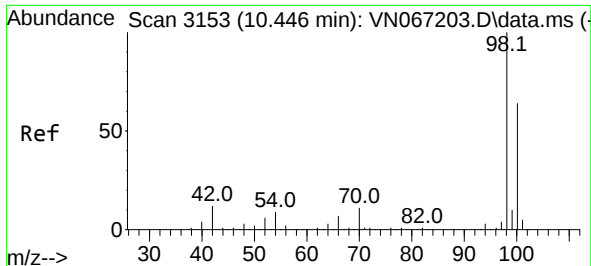
Tgt Ion: 43 Resp: 14874
Ion Ratio Lower Upper
43 100
61 16.2 23.4 35.0#
87 11.6 12.2 18.2#



#48
Methyl methacrylate
Concen: 2.050 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.013 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

Tgt Ion: 41 Resp: 3509
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#

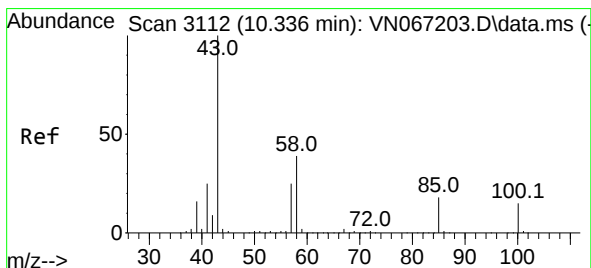
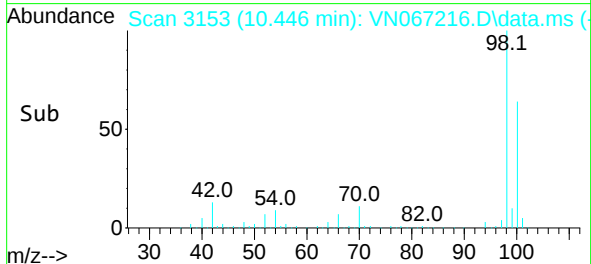
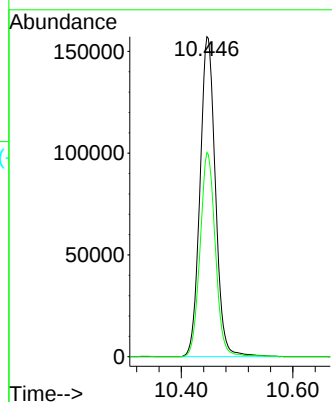
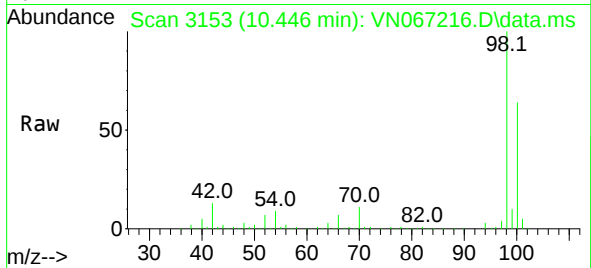




#50
Toluene-d8
Concen: 51.215 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

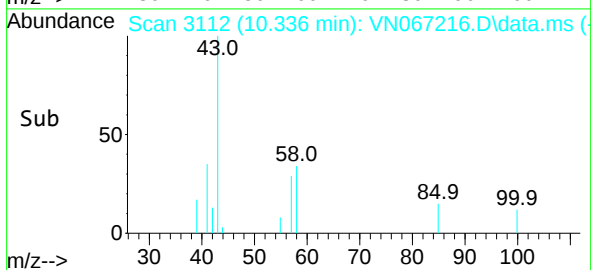
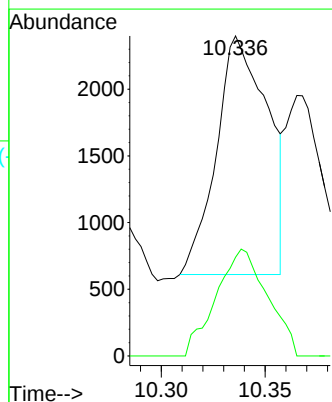
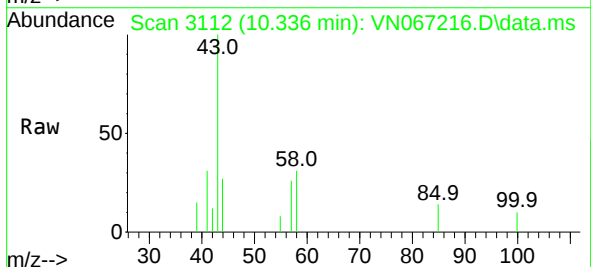
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

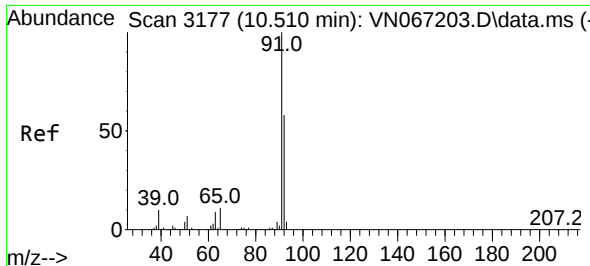
Tgt Ion: 98 Resp: 301657
Ion Ratio Lower Upper
98 100
100 62.9 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.330 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. -0.000 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

Tgt Ion: 43 Resp: 3078
Ion Ratio Lower Upper
43 100
58 44.7 34.5 51.7

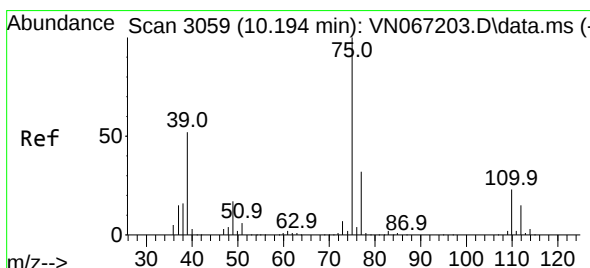
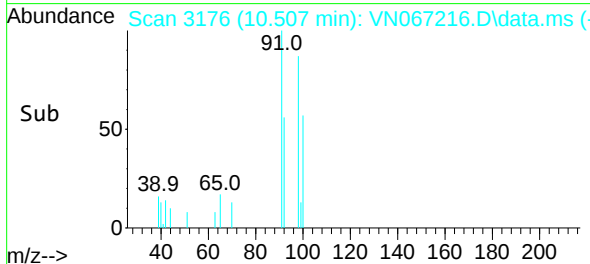
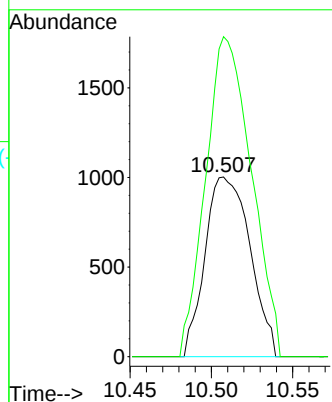
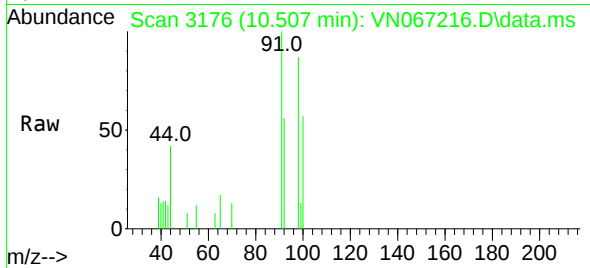




#52
Toluene
Concen: 0.438 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

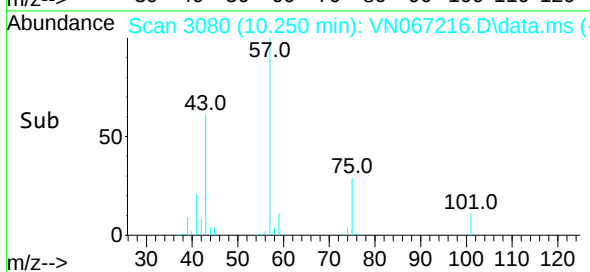
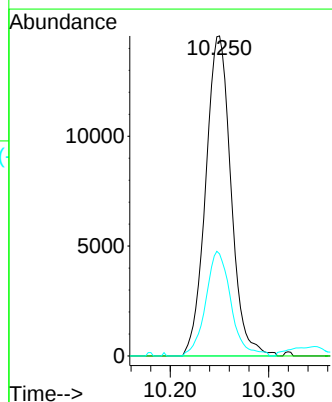
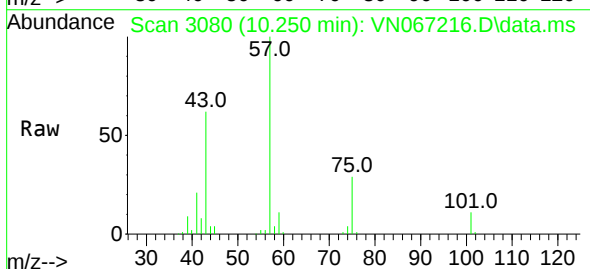
Instrument :
MSVOA_N
ClientSampled :
18-B11(0-2)

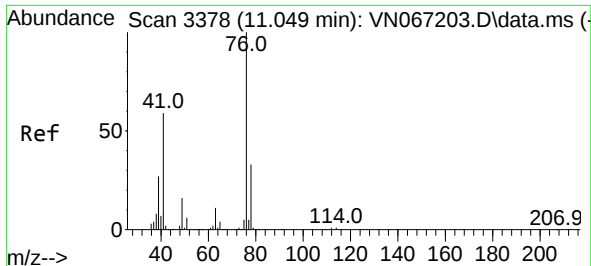
Tgt Ion: 92 Resp: 1933
Ion Ratio Lower Upper
92 100
91 180.7 138.7 208.1



#54
cis-1,3-Dichloropropene
Concen: 9.128 ug/l
RT: 10.250 min Scan# 3080
Delta R.T. 0.056 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

Tgt Ion: 75 Resp: 26044
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 31.9 30.9 46.3

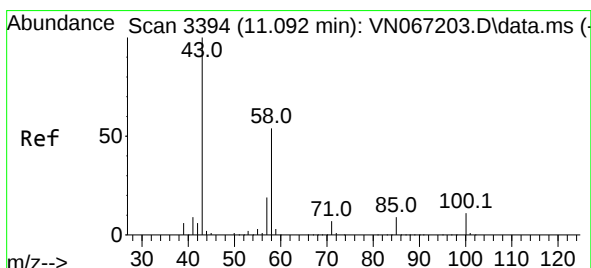
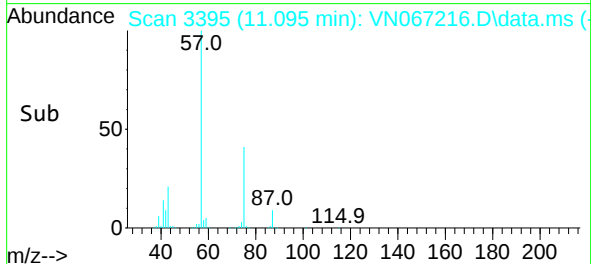
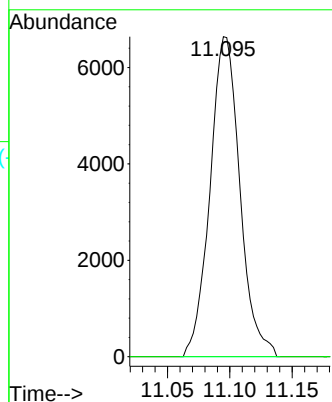
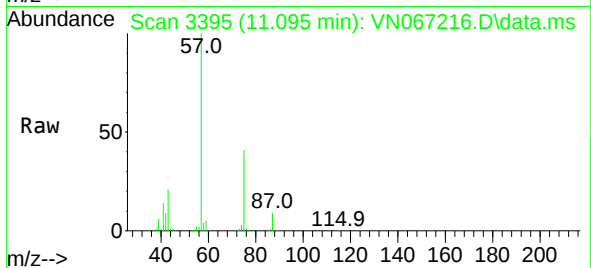




#57
1,3-Dichloropropane
Concen: 4.017 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.046 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

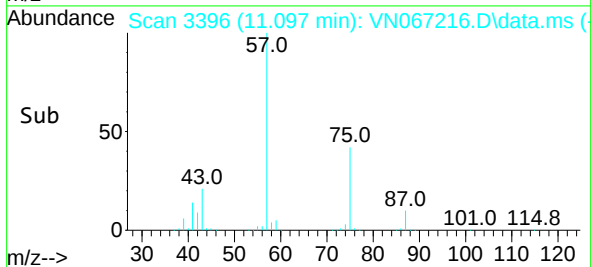
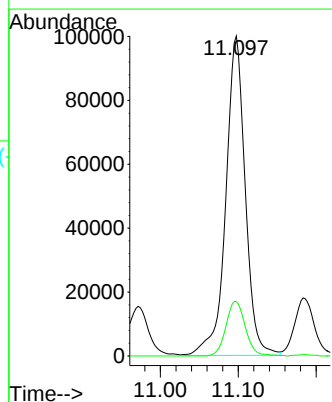
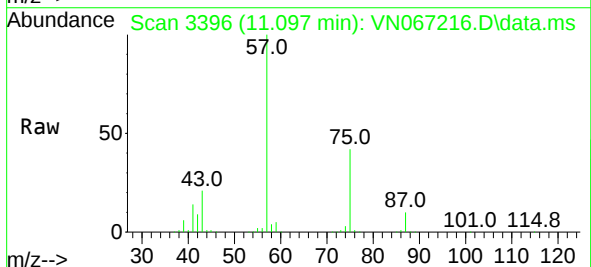
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

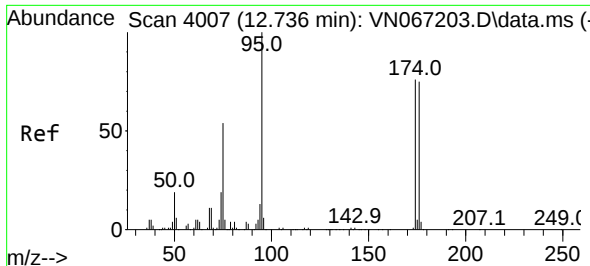
Tgt Ion: 76 Resp: 11080
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#



#59
2-Hexanone
Concen: 103.206 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.005 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

Tgt Ion: 43 Resp: 173596
Ion Ratio Lower Upper
43 100
58 17.1 29.8 89.5#

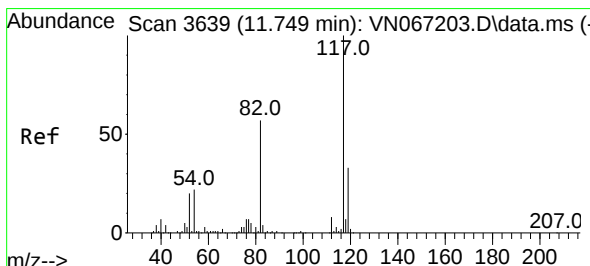
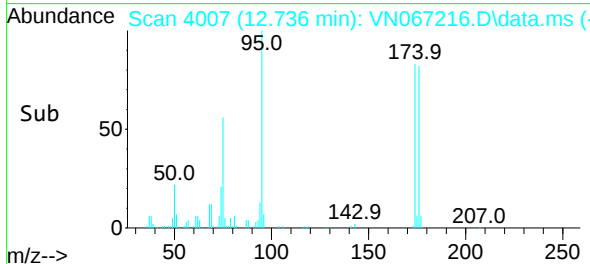
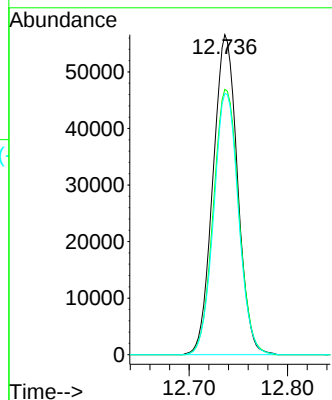
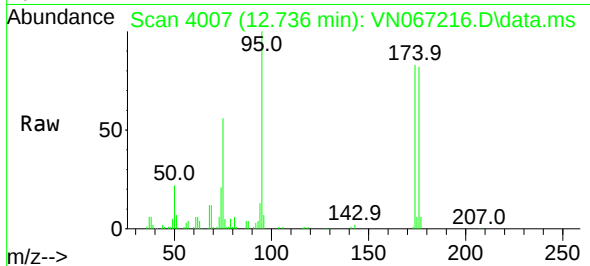




#62
4-Bromofluorobenzene
Concen: 43.245 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.000 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

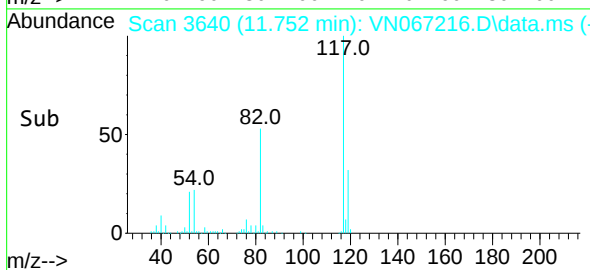
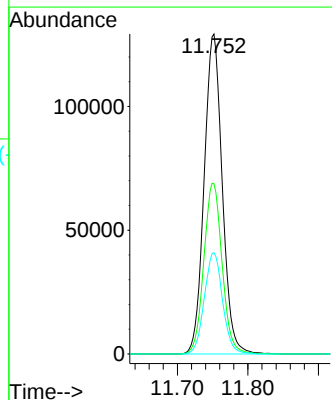
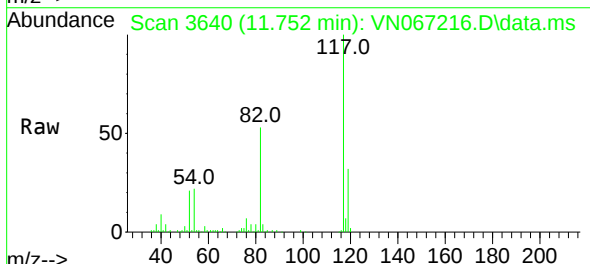
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

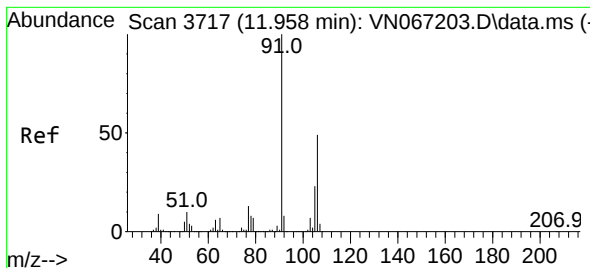
Tgt Ion:	95	Resp:	98100
Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	182.8
176	82.7	0.0	176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.752 min Scan# 3640
Delta R.T. 0.003 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

Tgt Ion:	117	Resp:	230648
Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.2
119	31.7	25.8	38.6

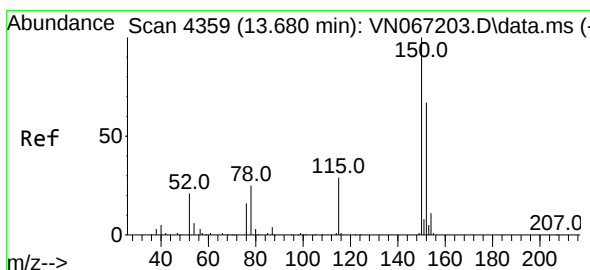
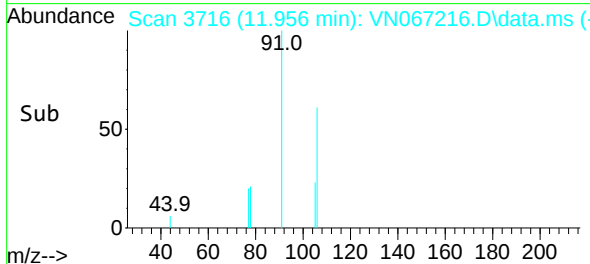
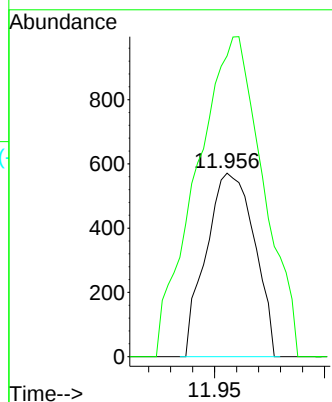
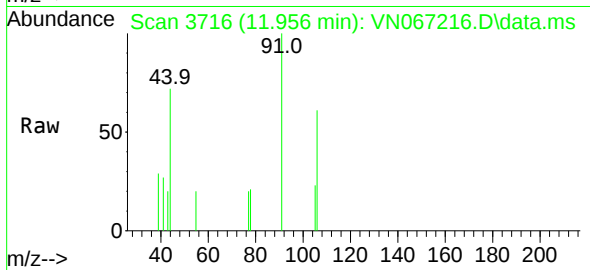




#68
m/p-Xylenes
Concen: 0.245 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.002 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

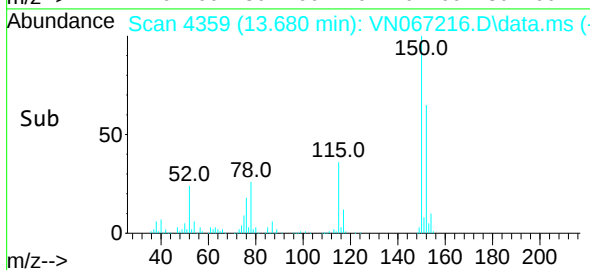
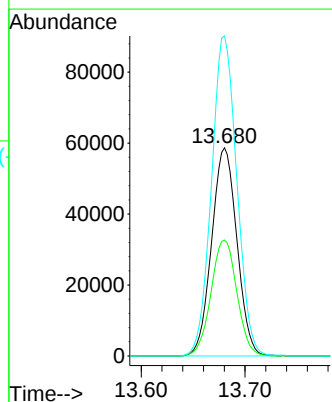
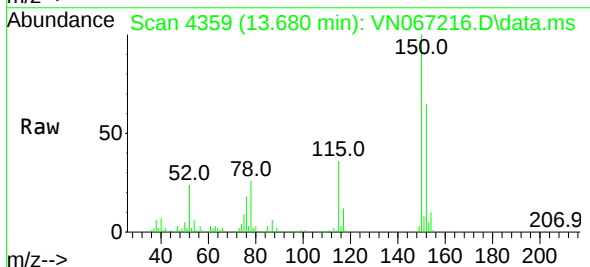
Instrument :
MSVOA_N
ClientSampleId :
18-B11(0-2)

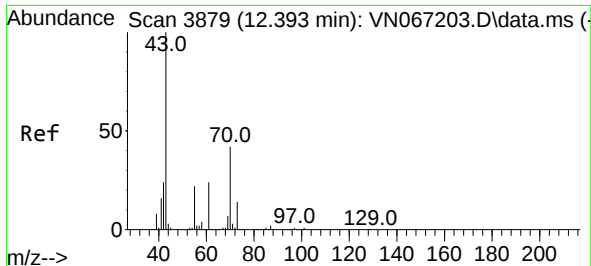
Tgt Ion:106 Resp: 871
Ion Ratio Lower Upper
106 100
91 240.8 155.2 232.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.000 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

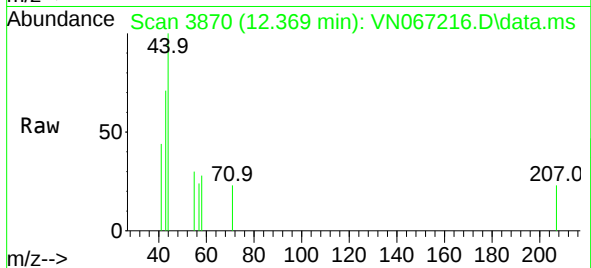
Tgt Ion:152 Resp: 99339
Ion Ratio Lower Upper
152 100
115 56.9 27.0 80.8
150 153.8 0.0 350.2



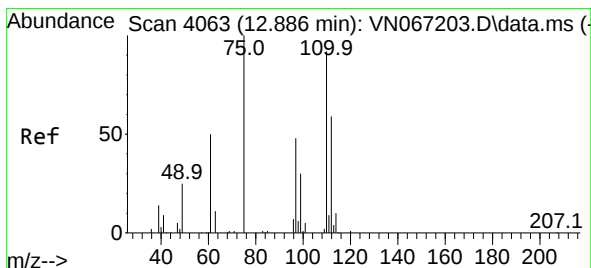
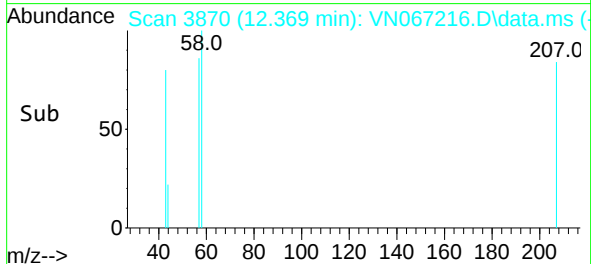
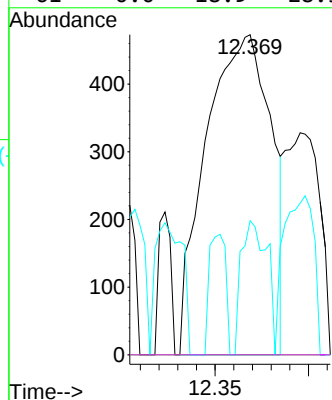


#74
N-amy1 acetate
Concen: 0.376 ug/l
RT: 12.369 min Scan# 3870
Delta R.T. -0.024 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

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

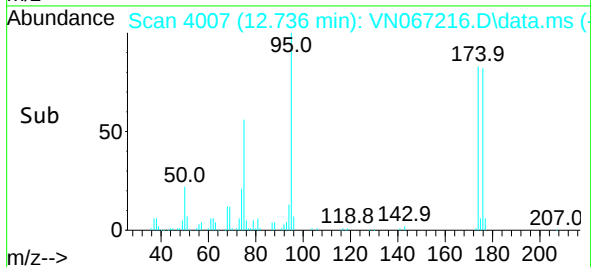
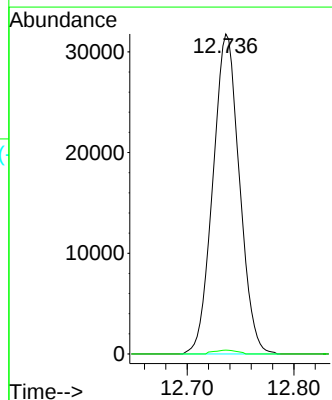
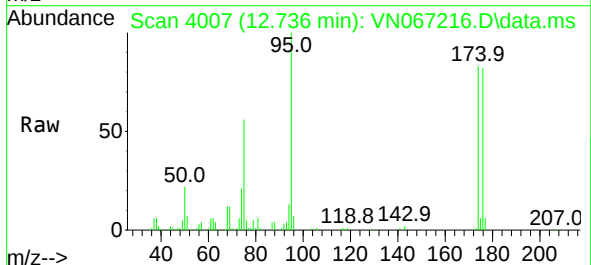


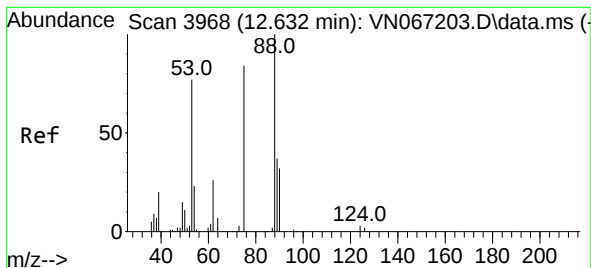
Tgt Ion:	43	Resp:	1145
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.7	55.1#
55	16.5	17.6	26.4#
61	0.0	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 28.703 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.150 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

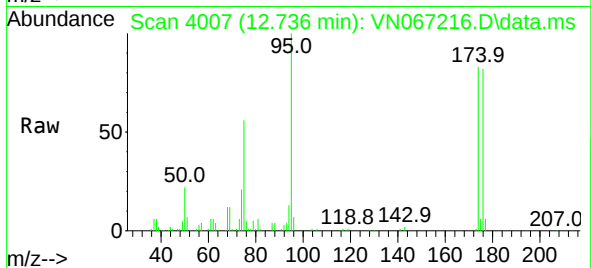
Tgt Ion:	75	Resp:	54833
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#



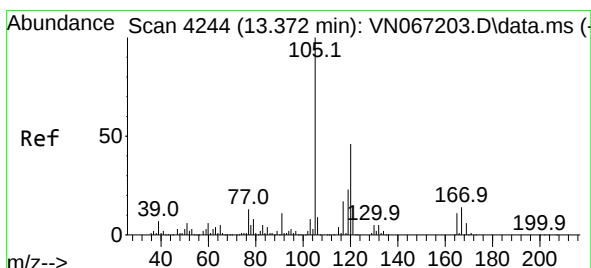
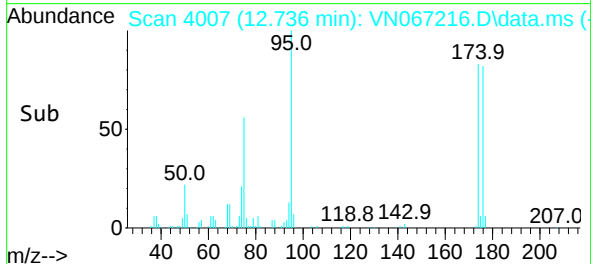
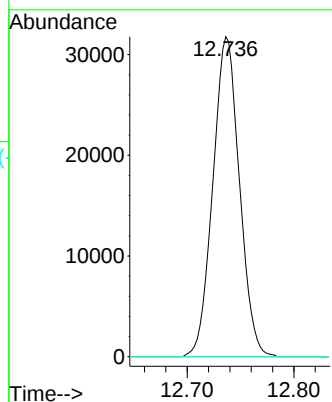


#81
trans-1,4-Dichloro-2-butene
Concen: 70.228 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.105 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

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

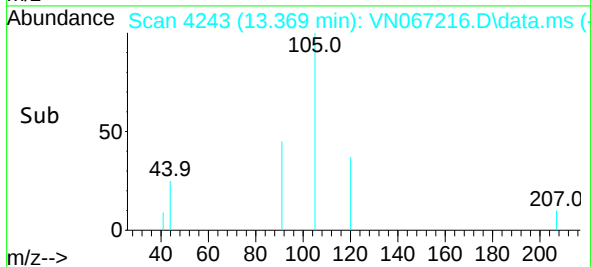
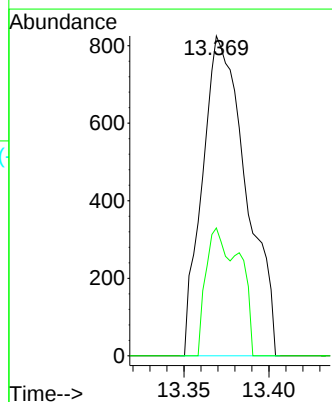
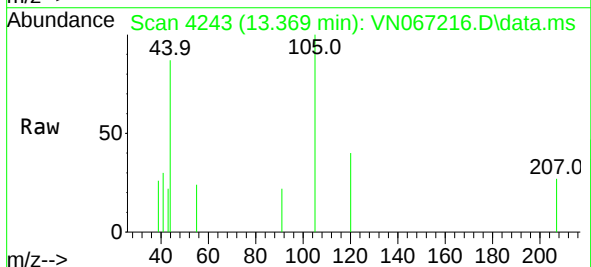


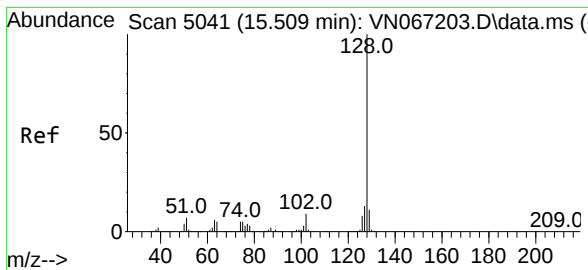
Tgt Ion: 75 Resp: 54833
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.226 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. -0.003 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

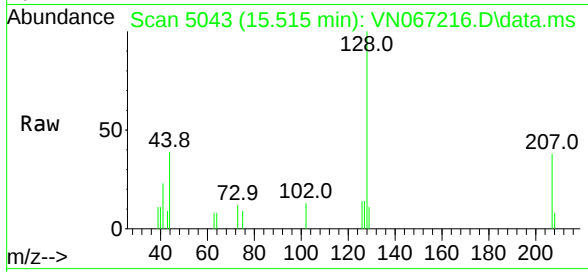
Tgt Ion: 105 Resp: 1474
Ion Ratio Lower Upper
105 100
120 20.1 23.8 71.2#





#95
Naphthalene
Concen: 5.244 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.006 min
Lab File: VN067216.D
Acq: 4 Jun 2021 23:34

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



Tgt Ion:128 Resp: 3971
Ion Ratio Lower Upper
128 100
127 11.7 10.2 15.2
129 3.2 8.6 13.0#

