

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080521\
 Data File : VN068030.D
 Acq On : 5 Aug 2021 21:00
 Operator : JC/MD
 Sample : M3291-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 06 01:26:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

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

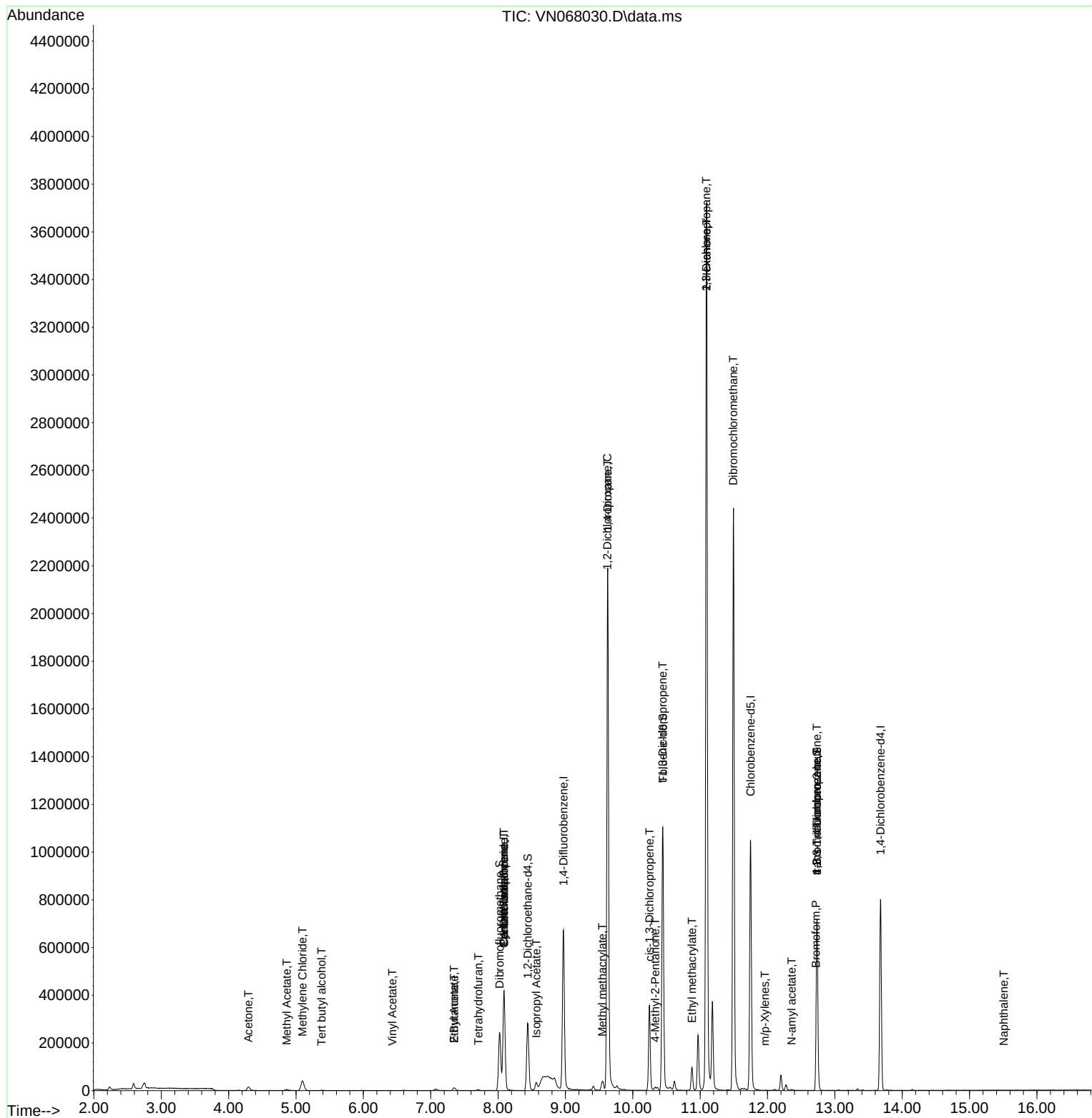
Internal Standards						
1) Pentafluorobenzene	8.088	168	298075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	584729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	621448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	212653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	234359	55.538	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.080%			
35) Dibromofluoromethane	8.021	113	179448	52.659	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.320%			
50) Toluene-d8	10.446	98	779895	49.622	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.733	95	258359	45.391	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.780%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.380	59	197	0.348	ug/l	97
16) Acetone	4.293	43	27804	18.058	ug/l #	89
18) Methyl Acetate	4.862	43	9167	2.379	ug/l #	75
20) Methylene Chloride	5.095	84	32509	8.910	ug/l	92
23) Vinyl Acetate	6.431	43	87	8.809	ug/l #	75
25) 2-Butanone	7.348	43	20657	9.248	ug/l #	89
29) Tetrahydrofuran	7.707	42	2834	1.981	ug/l #	73
31) Cyclohexane	8.086	56	8168	1.312	ug/l #	49
36) 1,1-Dichloropropene	8.088	75	26645	4.926	ug/l #	51
37) Ethyl Acetate	7.348	43	20657	4.058	ug/l #	69
38) Carbon Tetrachloride	8.088	117	33975	6.387	ug/l #	17
43) Isopropyl Acetate	8.568	43	41069	4.842	ug/l #	91
45) 1,2-Dichloropropane	9.622	63	2535	0.635	ug/l #	44
48) Methyl methacrylate	9.550	41	10160	4.596	ug/l #	12
49) 1,4-Dioxane	9.625	88	238	3.528	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	7372	13.700	ug/l #	86
53) t-1,3-Dichloropropene	10.443	75	50	2.840	ug/l #	56
54) cis-1,3-Dichloropropene	10.247	75	63331	10.695	ug/l #	61
56) Ethyl methacrylate	10.878	69	571	3.173	ug/l #	1
57) 1,3-Dichloropropane	11.092	76	39808	6.052	ug/l #	43
59) 2-Hexanone	11.095	43	587024	139.451	ug/l #	55
60) Dibromochloromethane	11.492	129	240	3.347	ug/l #	11
68) m/p-Xylenes	11.964	106	25	4.065	ug/l #	1
71) Bromoform	12.720	173	170	4.070	ug/l #	1
74) N-amyl acetate	12.358	43	4252	0.705	ug/l #	49
76) 1,2,3-Trichloropropane	12.733	75	139269	32.610	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	139269	87.563	ug/l #	6
95) Naphthalene	15.507	128	681	3.192	ug/l #	69

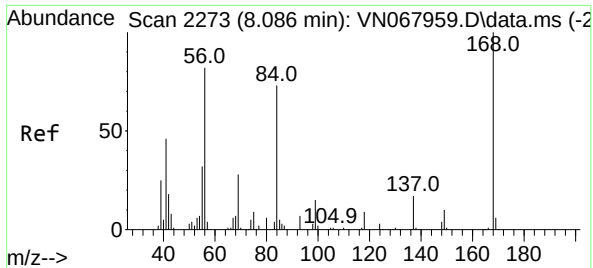
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080521\
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Acq On : 5 Aug 2021 21:00
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

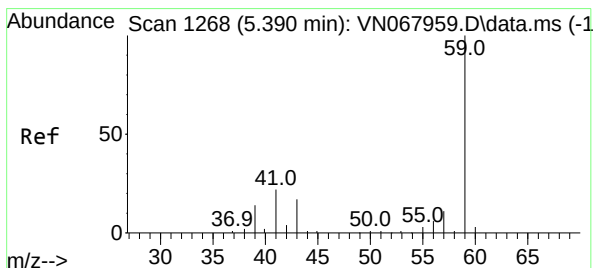
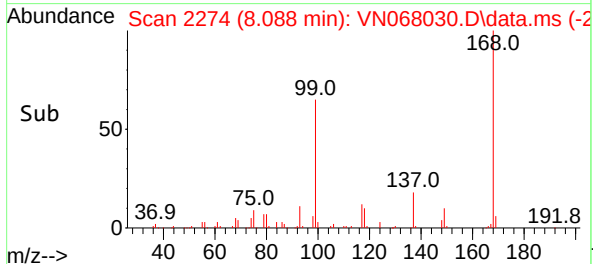
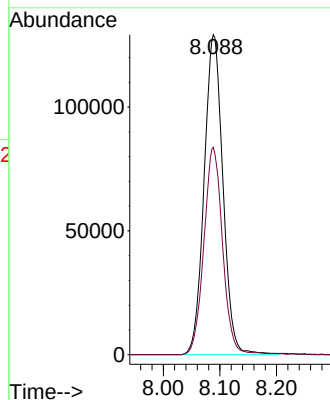
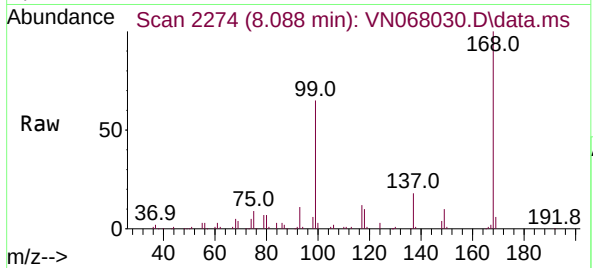




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

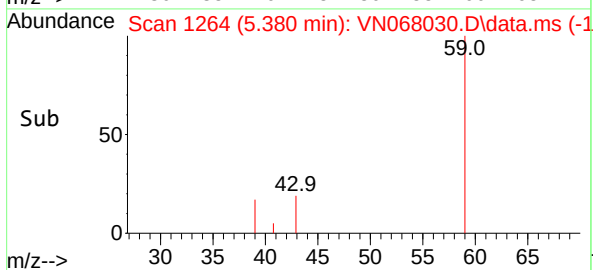
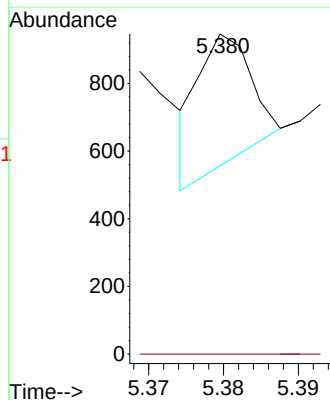
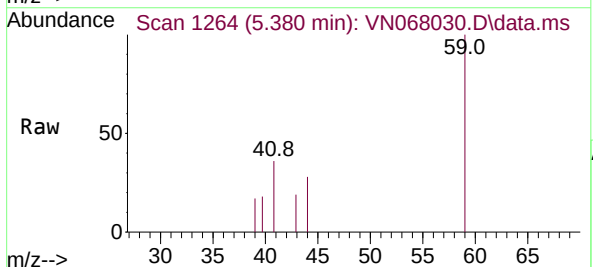
Instrument :
MSVOA_N
ClientSampled :

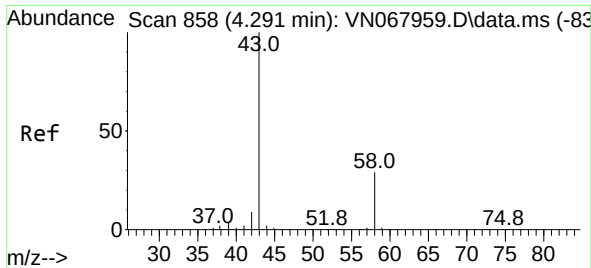
Tgt Ion:168 Resp: 298075
Ion Ratio Lower Upper
168 100
99 64.8 62.9 94.3



#11
Tert butyl alcohol
Concen: 0.348 ug/l
RT: 5.380 min Scan# 1264
Delta R.T. -0.010 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 12.2 8.7 13.1

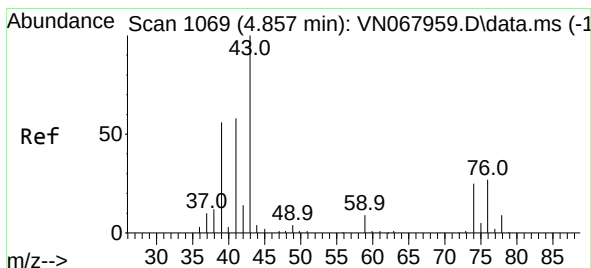
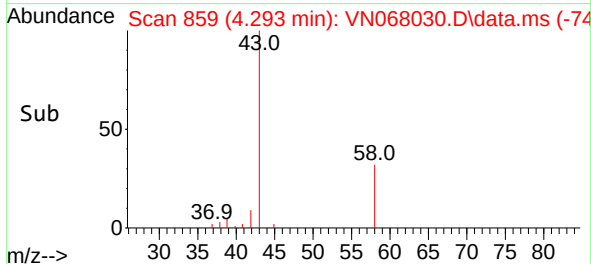
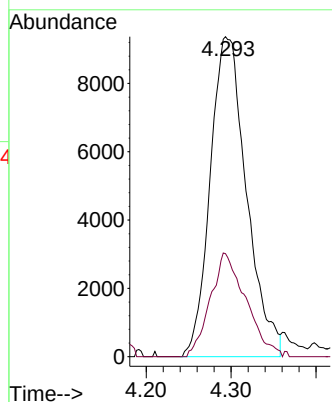
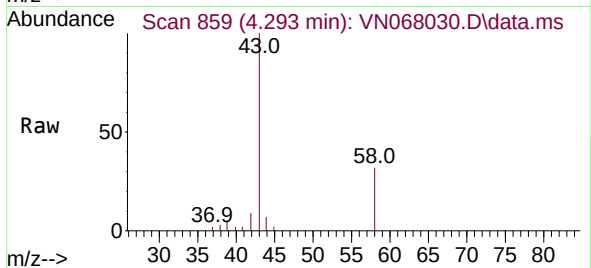




#16
Acetone
Concen: 18.058 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

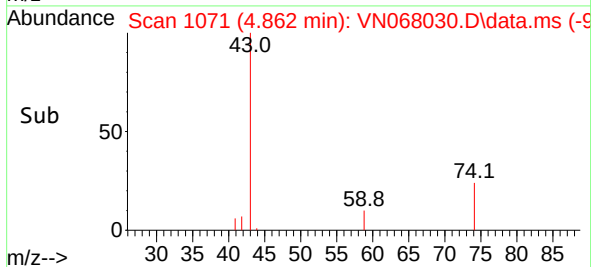
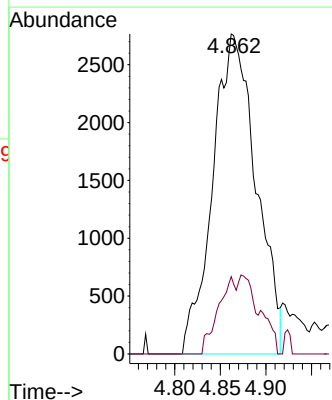
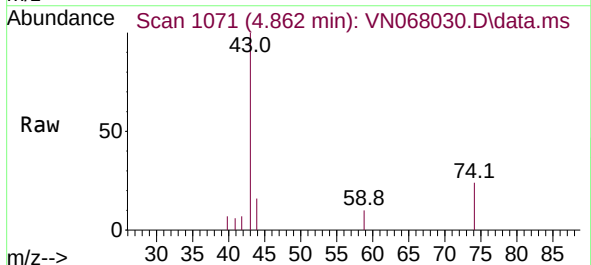
Instrument :
MSVOA_N
ClientSampled :

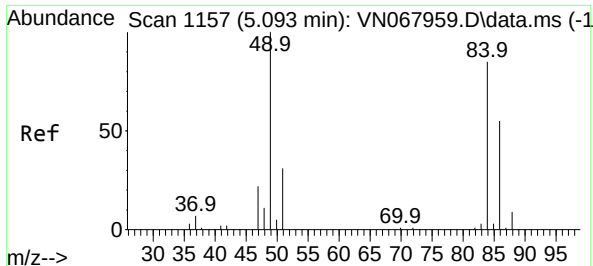
Tgt Ion: 43 Resp: 27804
Ion Ratio Lower Upper
43 100
58 32.2 21.2 31.8#



#18
Methyl Acetate
Concen: 2.379 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion: 43 Resp: 9167
Ion Ratio Lower Upper
43 100
74 10.0 17.4 26.0#





#20

Methylene Chloride

Concen: 8.910 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.002 min

Lab File: VN068030.D

Acq: 5 Aug 2021 21:00

Tgt Ion: 84 Resp: 32509

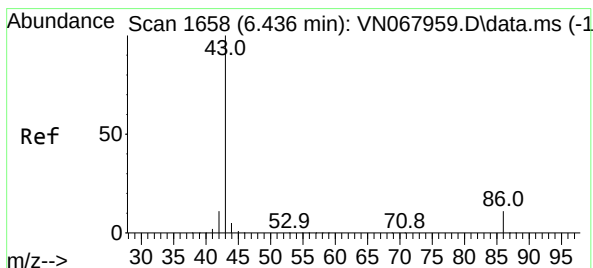
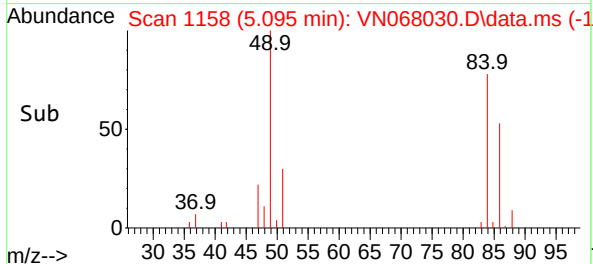
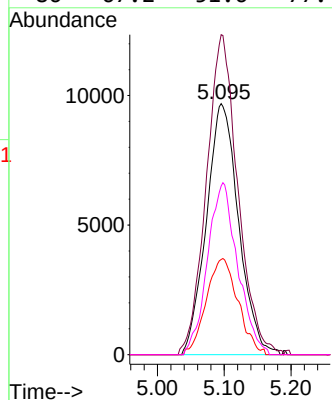
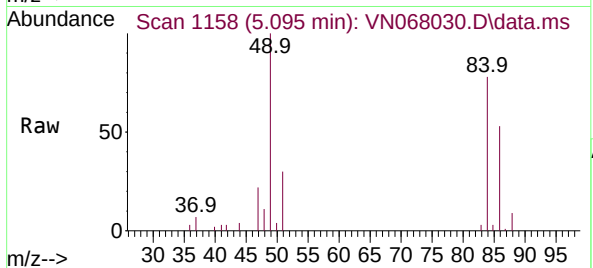
Ion Ratio Lower Upper

84 100

49 125.7 110.9 166.3

51 37.9 32.6 49.0

86 67.2 51.6 77.4



#23

Vinyl Acetate

Concen: 8.809 ug/l

RT: 6.431 min Scan# 1656

Delta R.T. -0.005 min

Lab File: VN068030.D

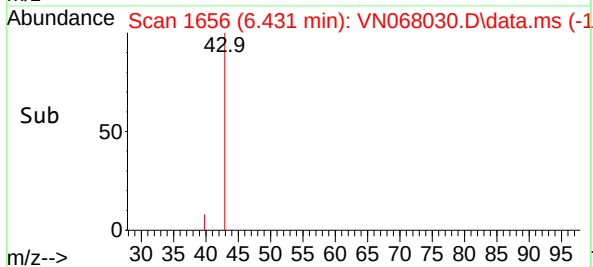
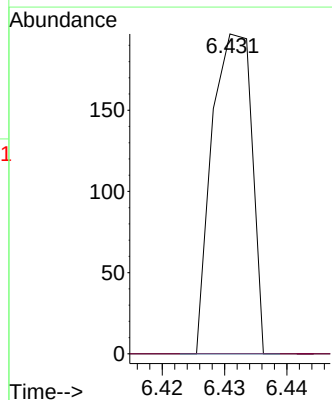
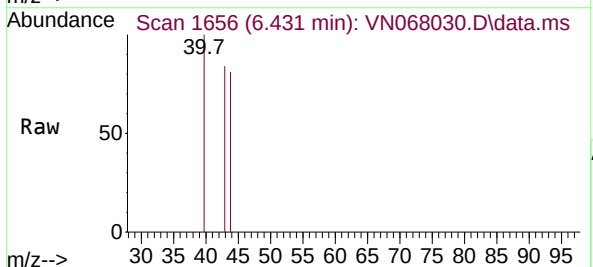
Acq: 5 Aug 2021 21:00

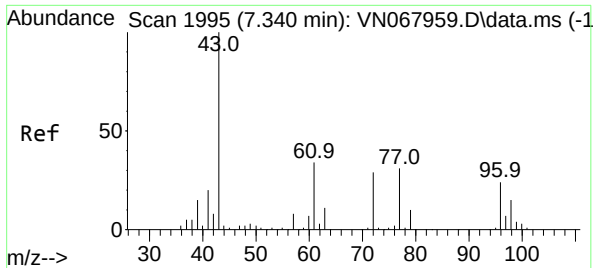
Tgt Ion: 43 Resp: 87

Ion Ratio Lower Upper

43 100

86 0.0 7.3 10.9#

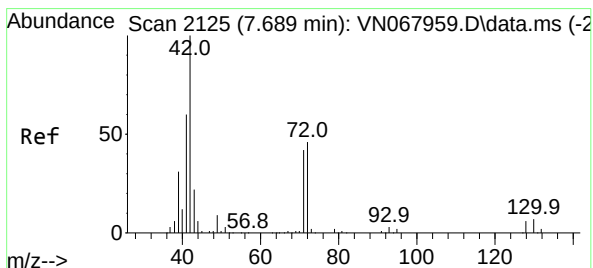
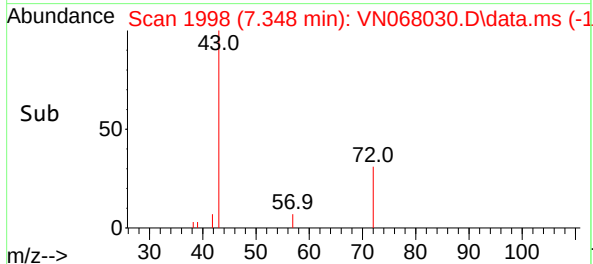
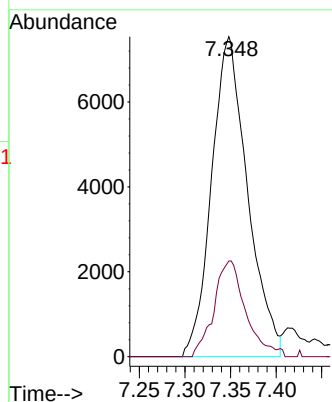
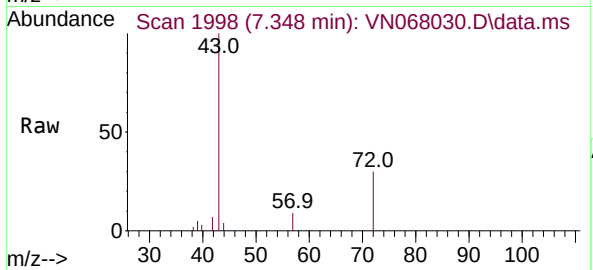




#25
2-Butanone
Concen: 9.248 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

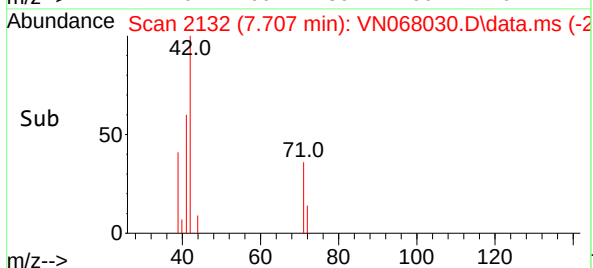
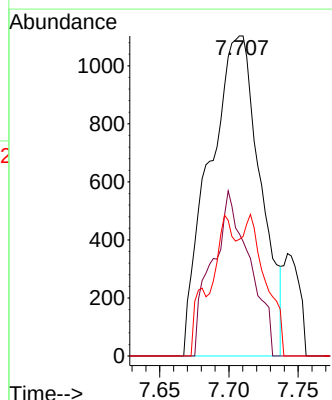
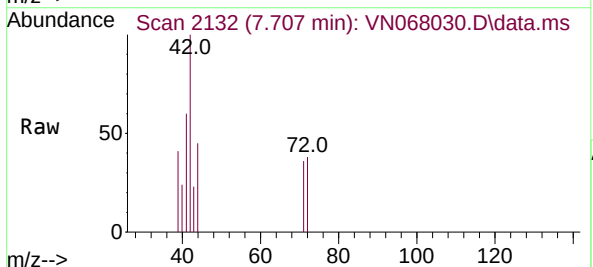
Instrument :
MSVOA_N
ClientSampled :

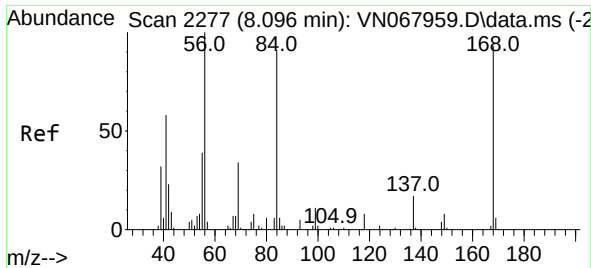
Tgt Ion: 43 Resp: 20657
Ion Ratio Lower Upper
43 100
72 29.9 19.7 29.5#



#29
Tetrahydrofuran
Concen: 1.981 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.018 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion: 42 Resp: 2834
Ion Ratio Lower Upper
42 100
72 37.7 32.8 49.2
71 8.8 31.2 46.8#

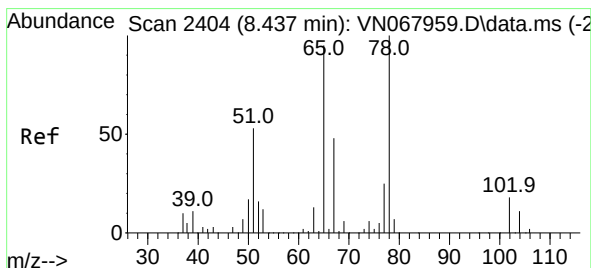
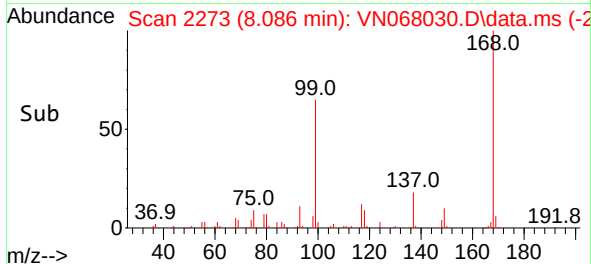
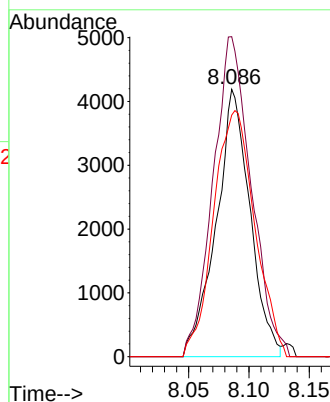
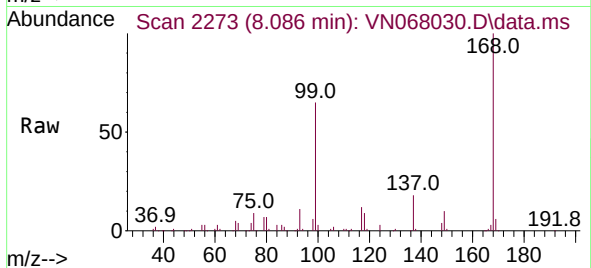




#31
Cyclohexane
Concen: 1.312 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

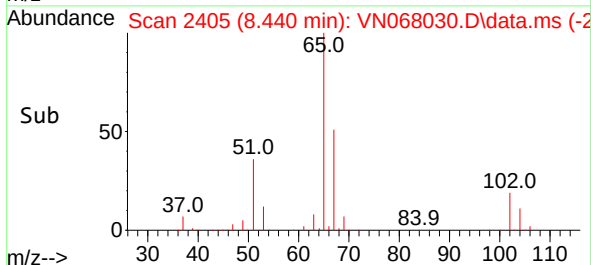
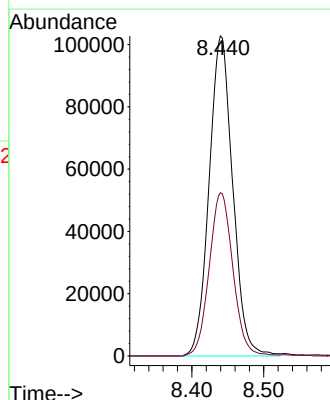
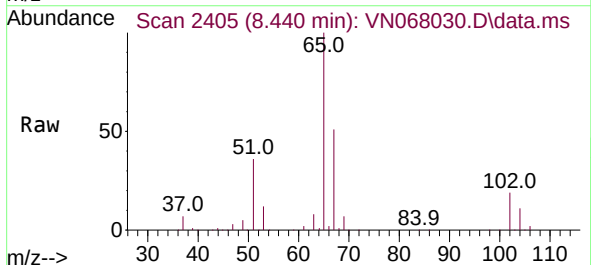
Instrument :
MSVOA_N
ClientSampled :

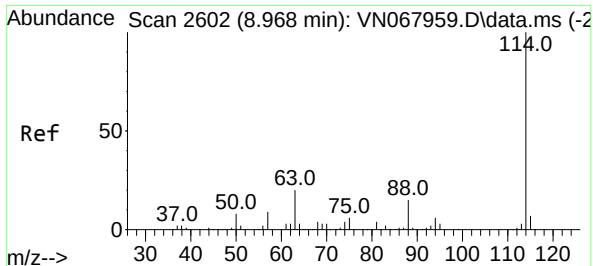
Tgt Ion: 56 Resp: 8168
Ion Ratio Lower Upper
56 100
69 119.7 27.3 40.9#
84 90.4 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 55.538 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion: 65 Resp: 234359
Ion Ratio Lower Upper
65 100
67 51.2 0.0 98.6

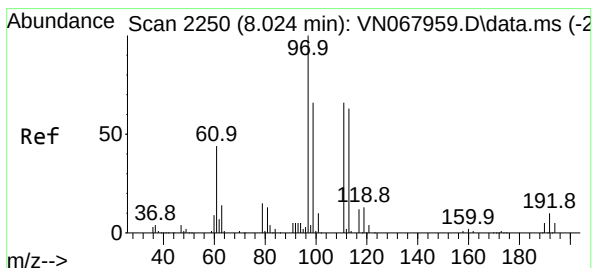
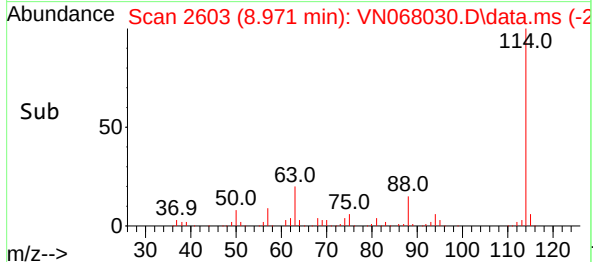
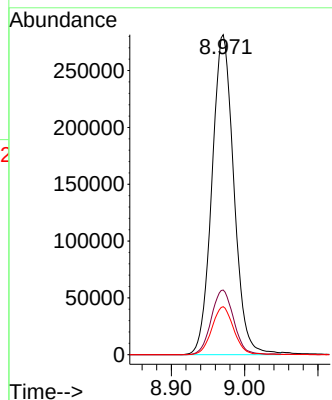
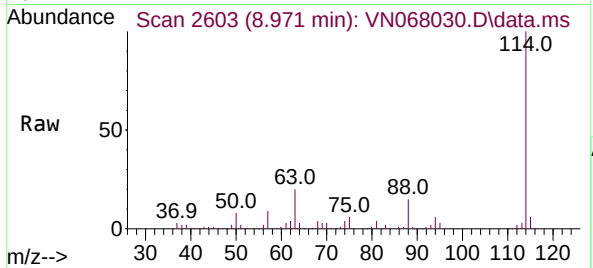




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

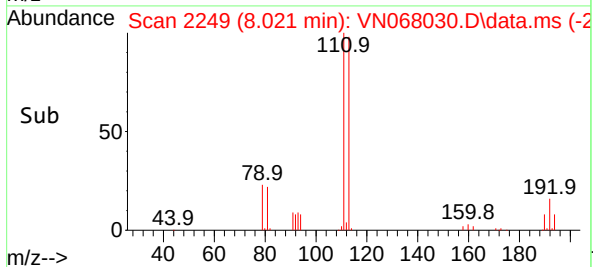
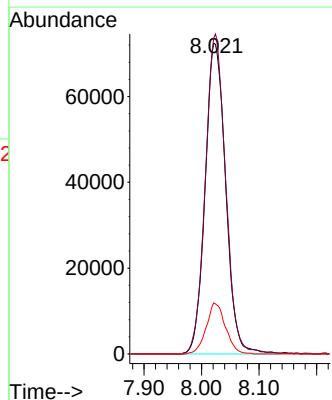
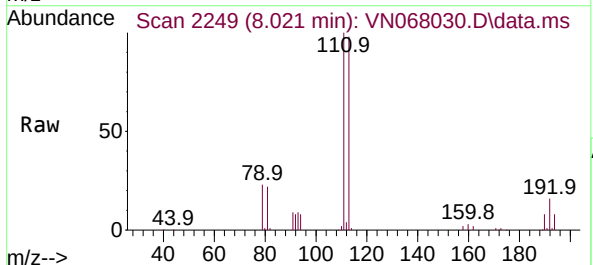
Instrument :
MSVOA_N
ClientSampled :

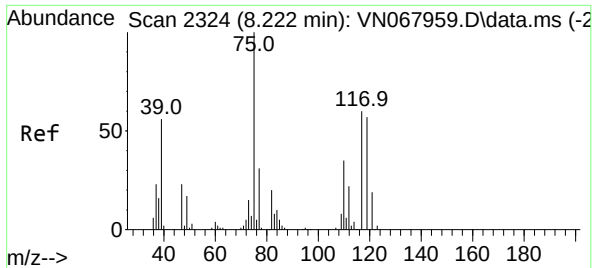
Tgt Ion:114 Resp: 584729
Ion Ratio Lower Upper
114 100
63 20.2 0.0 49.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.659 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion:113 Resp: 179448
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.8
192 15.4 13.4 20.0

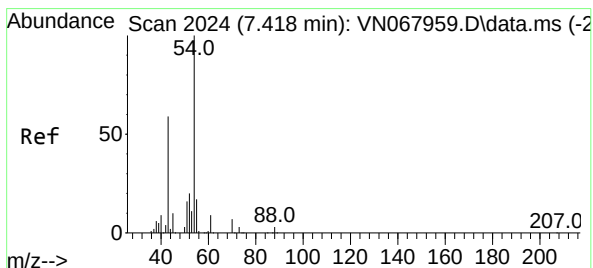
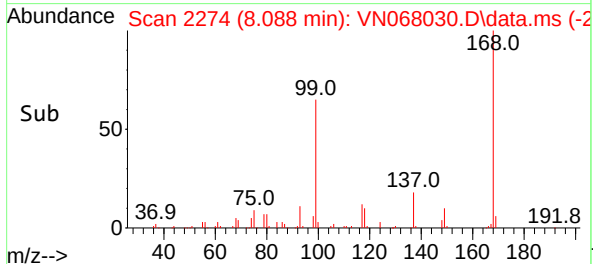
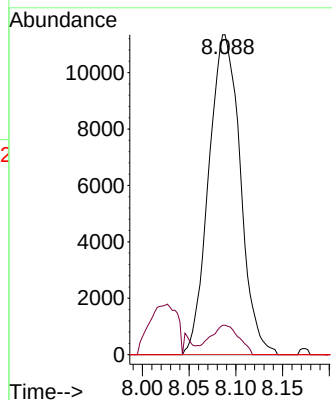
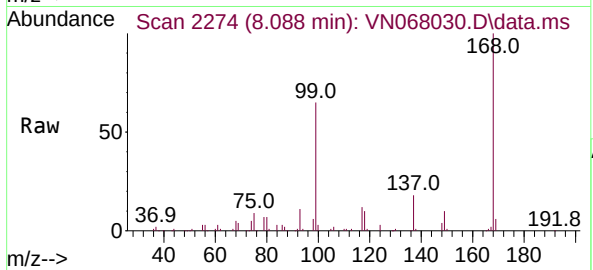




#36
 1,1-Dichloropropene
 Concen: 4.926 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.134 min
 Lab File: VN068030.D
 Acq: 5 Aug 2021 21:00

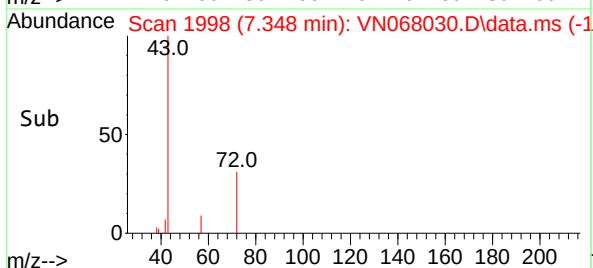
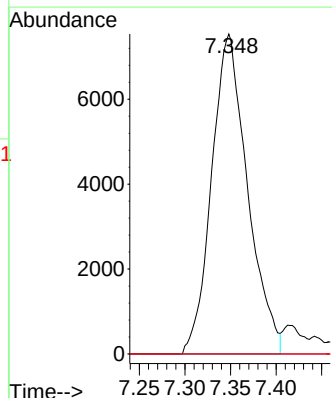
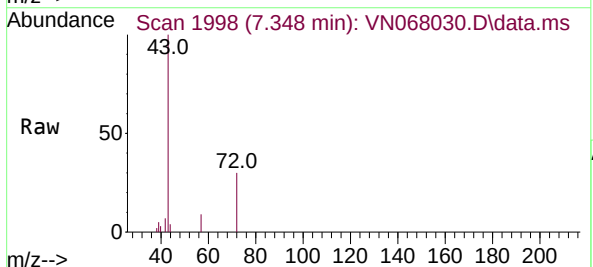
Instrument :
 MSVOA_N
 ClientSampled :

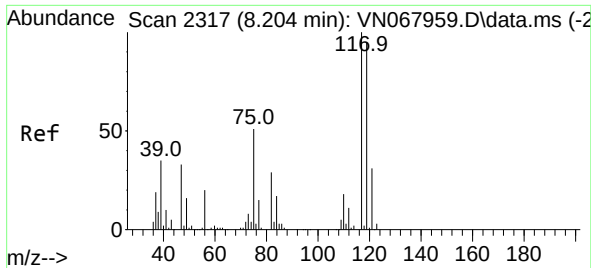
Tgt Ion: 75 Resp: 26645
 Ion Ratio Lower Upper
 75 100
 110 8.2 15.7 47.0#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 4.058 ug/l
 RT: 7.348 min Scan# 1998
 Delta R.T. -0.070 min
 Lab File: VN068030.D
 Acq: 5 Aug 2021 21:00

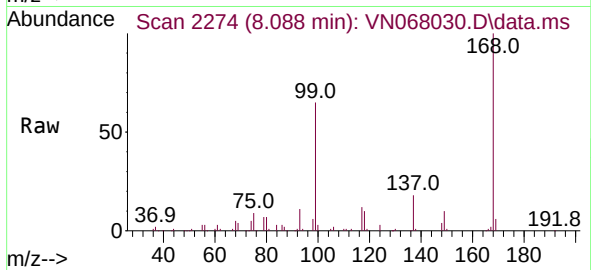
Tgt Ion: 43 Resp: 20657
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.1 12.1#



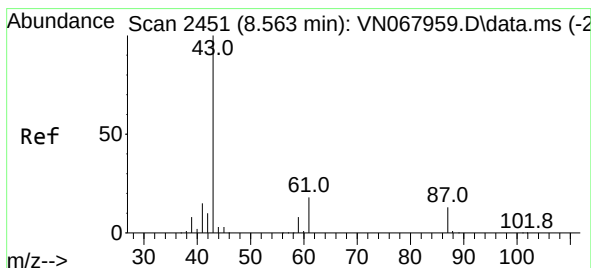
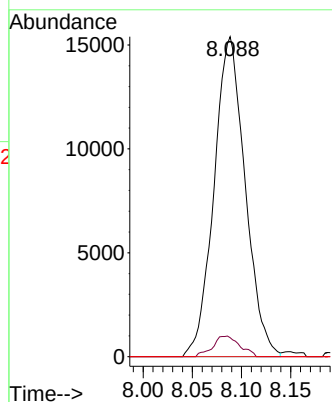
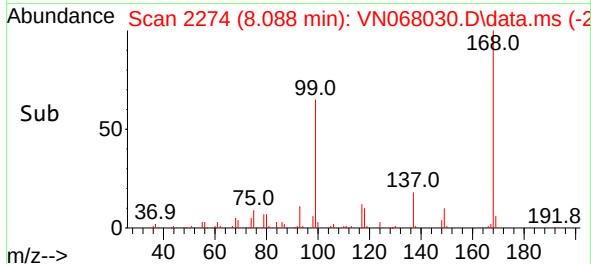


#38
Carbon Tetrachloride
Concen: 6.387 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

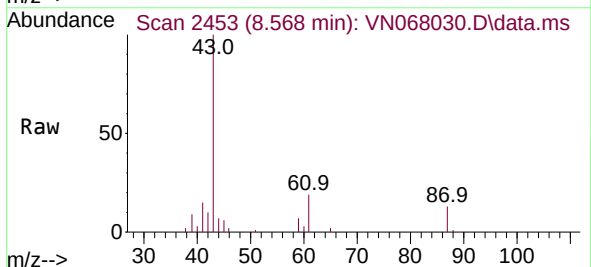
Instrument :
MSVOA_N
ClientSampled :



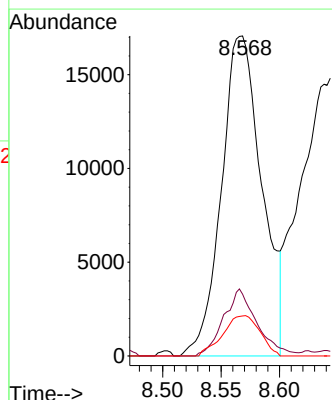
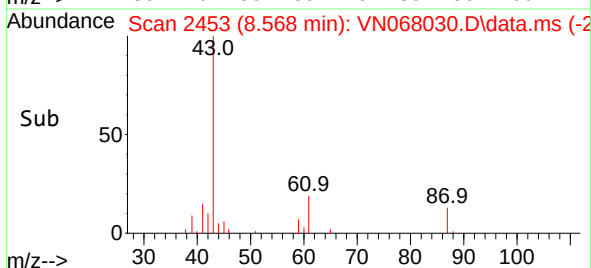
Tgt Ion:117 Resp: 33975
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 23.5 35.3#

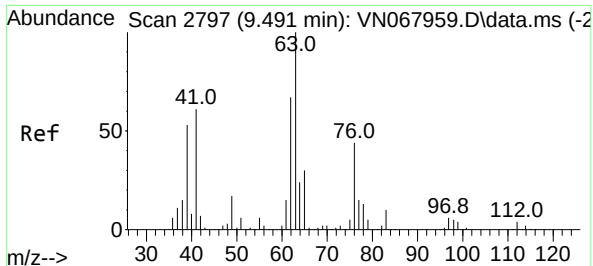


#43
Isopropyl Acetate
Concen: 4.842 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.005 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00



Tgt Ion: 43 Resp: 41069
Ion Ratio Lower Upper
43 100
61 17.4 19.0 28.4#
87 11.6 9.5 14.3



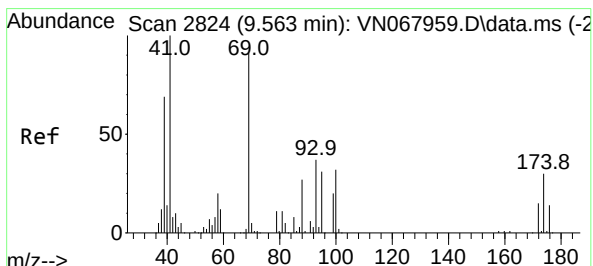
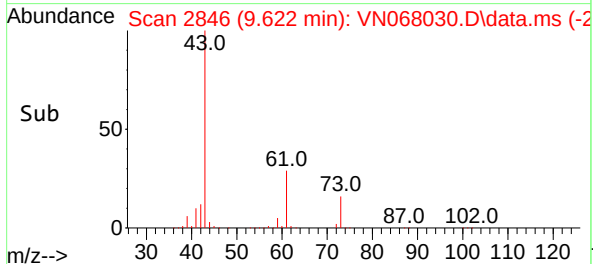
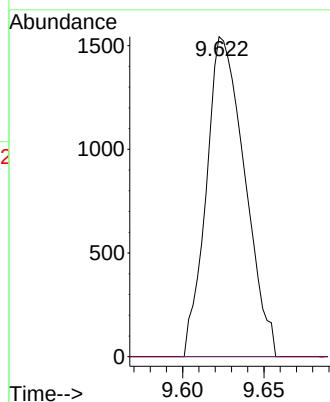
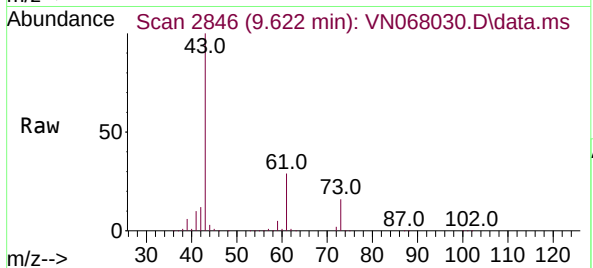


#45

1,2-Dichloropropane
Concen: 0.635 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Instrument :
MSVOA_N
ClientSampled :

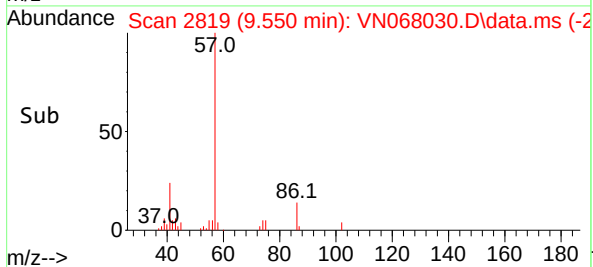
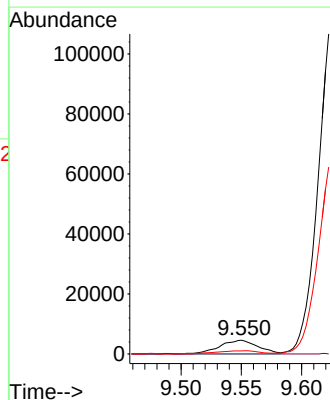
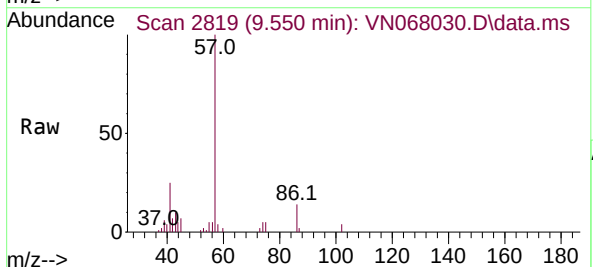
Tgt Ion: 63 Resp: 2535
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

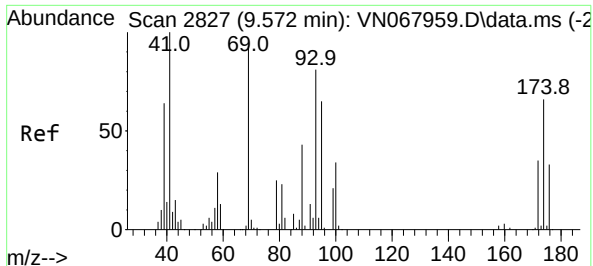


#48

Methyl methacrylate
Concen: 4.596 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.013 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion: 41 Resp: 10160
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#





#49

1,4-Dioxane

Concen: 3.528 ug/l

RT: 9.625 min Scan# 2847

Delta R.T. 0.053 min

Lab File: VN068030.D

Acq: 5 Aug 2021 21:00

Tgt Ion: 88 Resp: 238

Ion Ratio Lower Upper

88 100

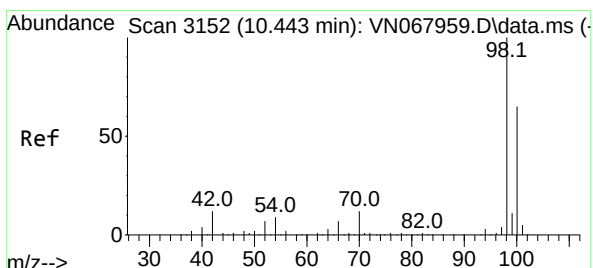
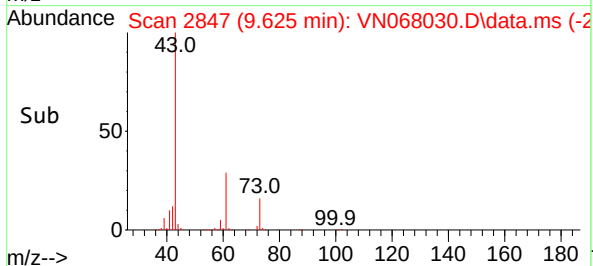
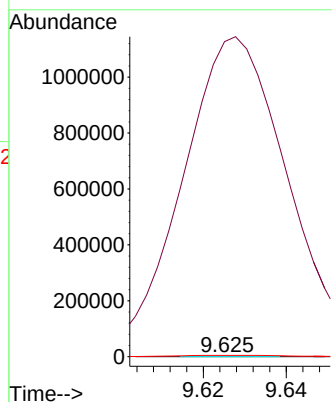
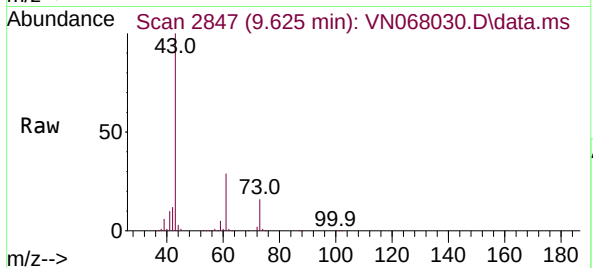
43 888525.2 28.8 43.2#

58 3887.8 60.4 90.6#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 49.622 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN068030.D

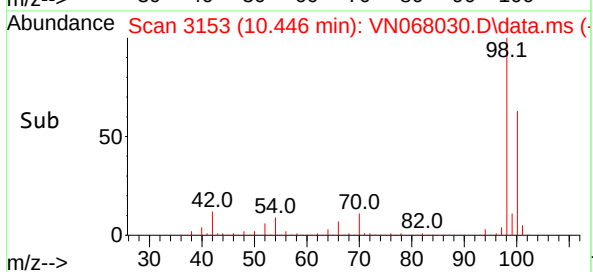
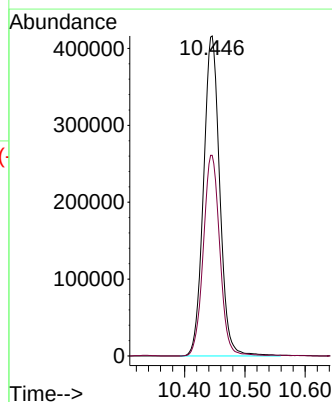
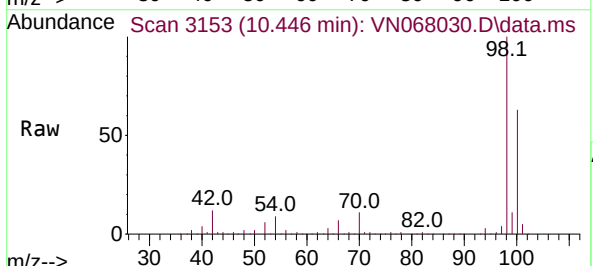
Acq: 5 Aug 2021 21:00

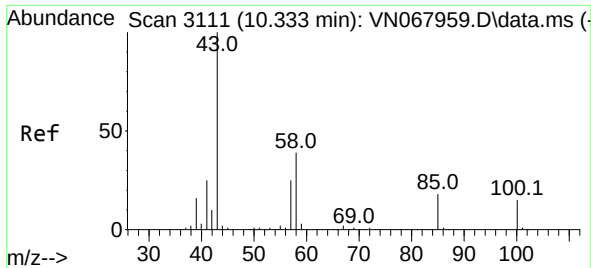
Tgt Ion: 98 Resp: 779895

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5

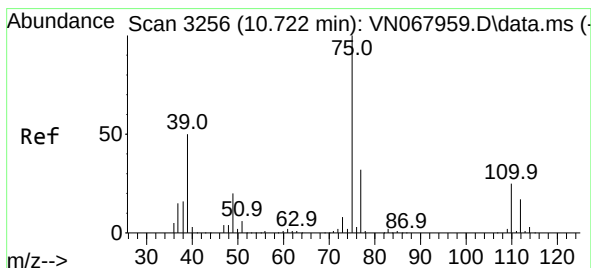
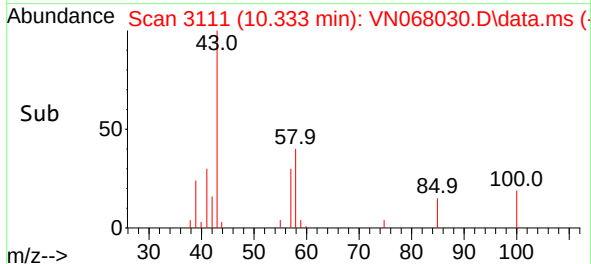
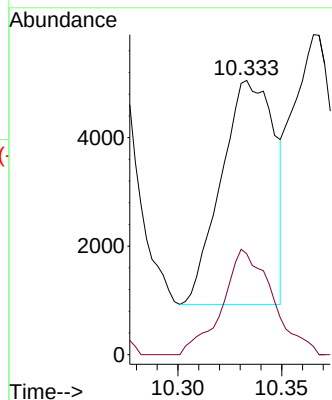
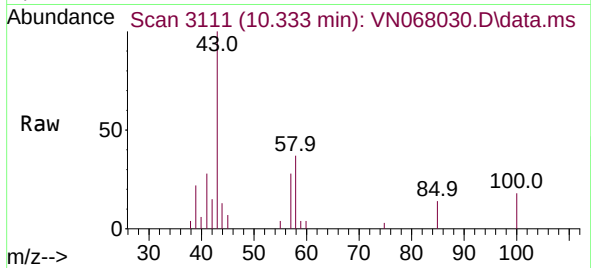




#51
4-Methyl-2-Pentanone
Concen: 13.700 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

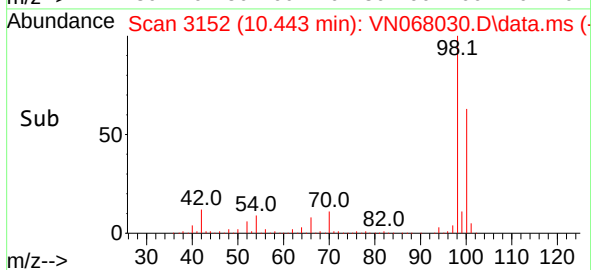
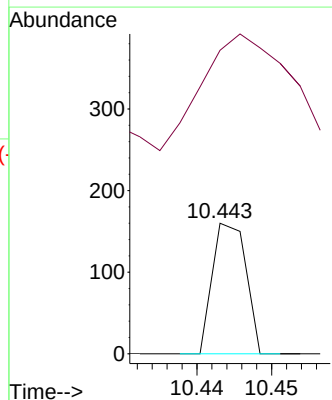
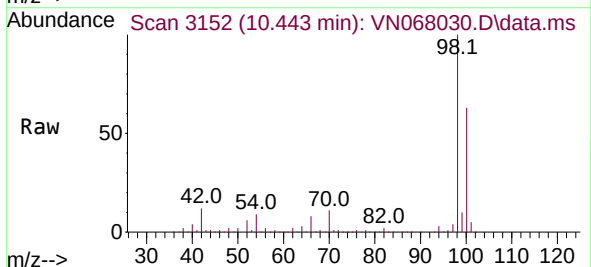
Instrument :
MSVOA_N
ClientSampled :

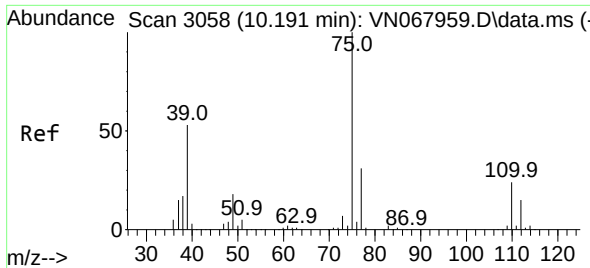
Tgt Ion: 43 Resp: 7372
Ion Ratio Lower Upper
43 100
58 44.2 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.840 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion: 75 Resp: 50
Ion Ratio Lower Upper
75 100
77 55.6 25.1 37.7#

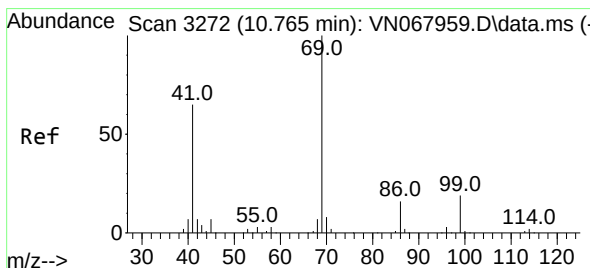
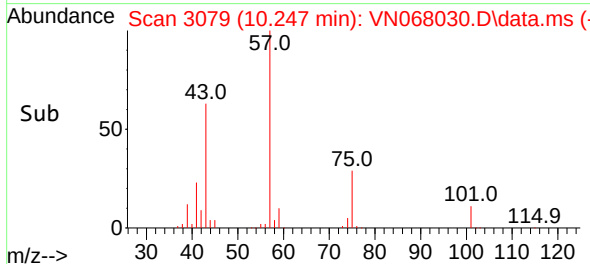
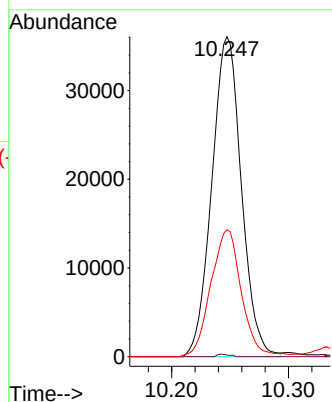
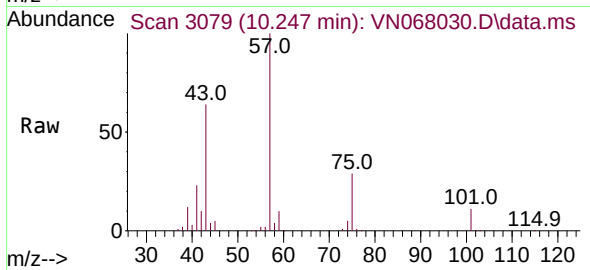




#54
 cis-1,3-Dichloropropene
 Concen: 10.695 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068030.D
 Acq: 5 Aug 2021 21:00

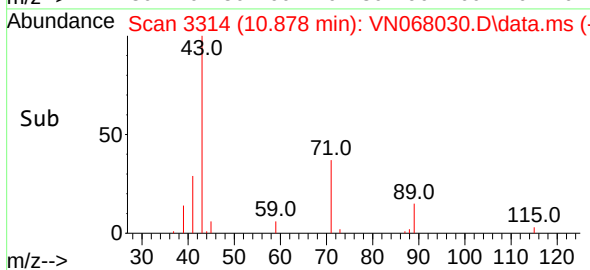
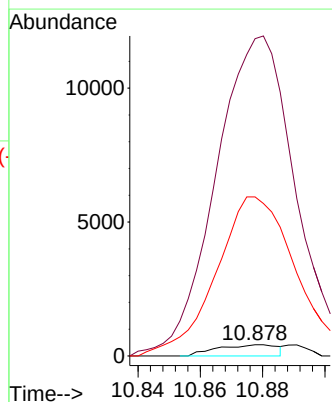
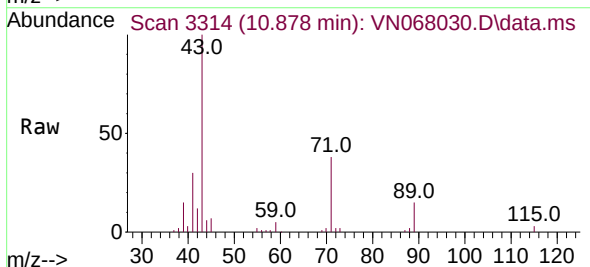
Instrument :
 MSVOA_N
 ClientSampled :

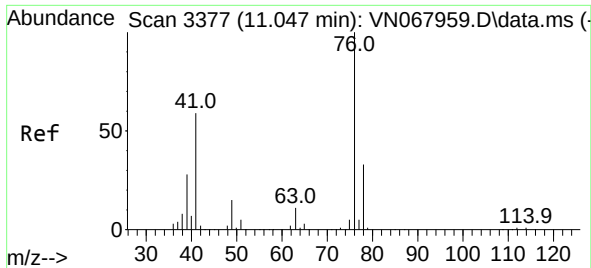
Tgt Ion: 75 Resp: 63331
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 39.7 50.7 76.1#



#56
 Ethyl methacrylate
 Concen: 3.173 ug/l
 RT: 10.878 min Scan# 3314
 Delta R.T. 0.113 min
 Lab File: VN068030.D
 Acq: 5 Aug 2021 21:00

Tgt Ion: 69 Resp: 571
 Ion Ratio Lower Upper
 69 100
 41 3739.4 58.6 88.0#
 39 1875.0 38.3 57.5#

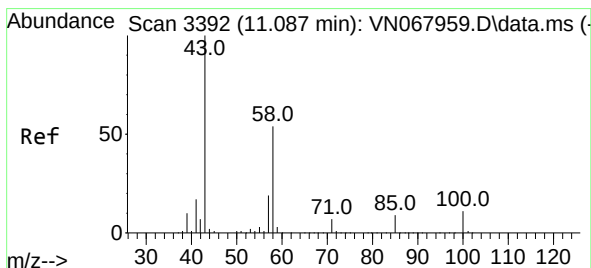
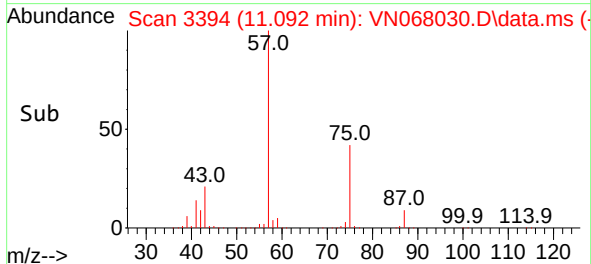
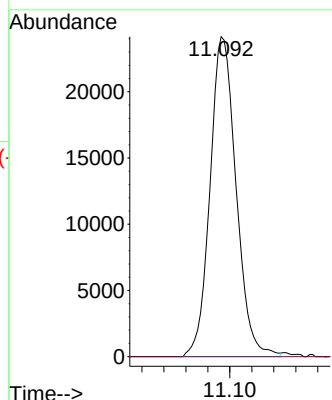
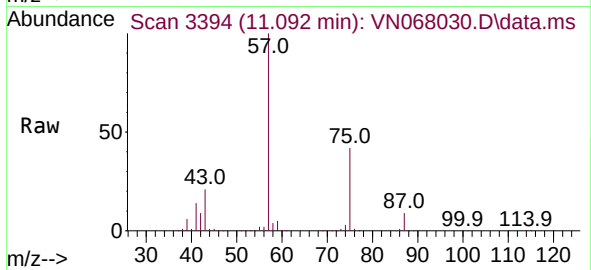




#57
1,3-Dichloropropane
Concen: 6.052 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

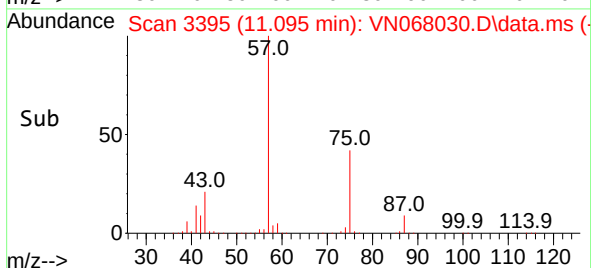
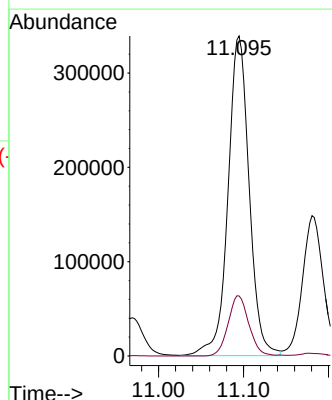
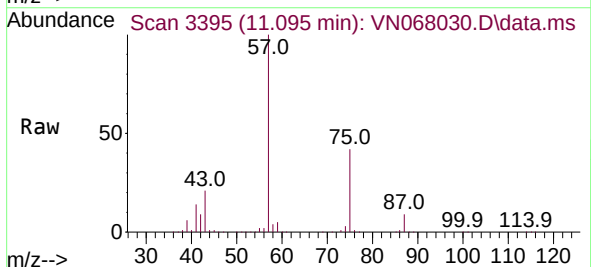
Instrument :
MSVOA_N
ClientSampled :

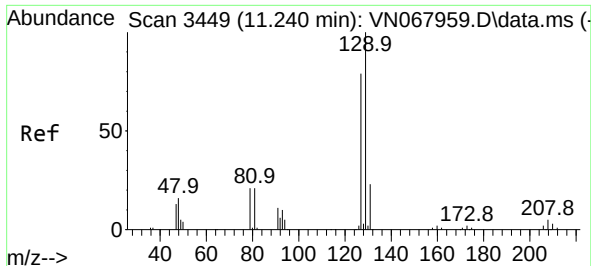
Tgt Ion: 76 Resp: 39808
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 139.451 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion: 43 Resp: 587024
Ion Ratio Lower Upper
43 100
58 18.5 24.7 74.1#

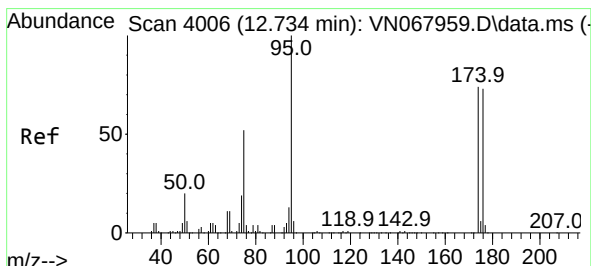
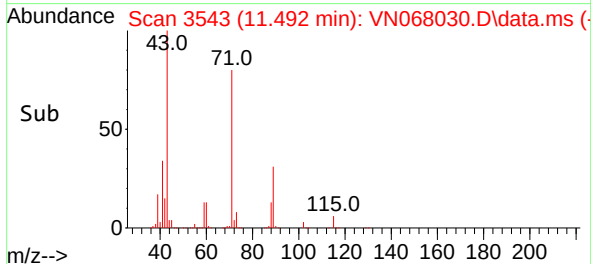
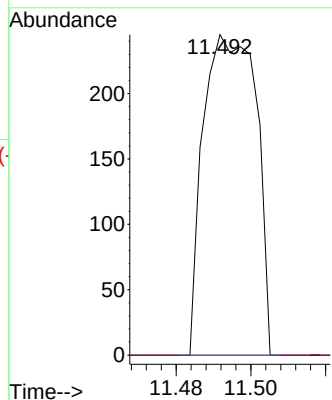
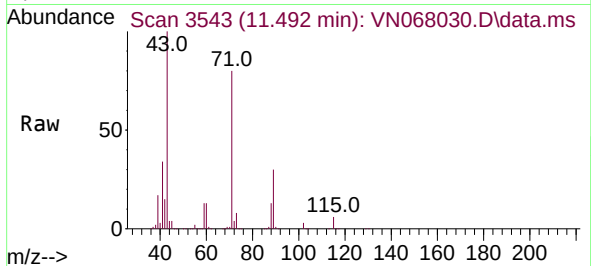




#60
Dibromochloromethane
Concen: 3.347 ug/l
RT: 11.492 min Scan# 3543
Delta R.T. 0.252 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

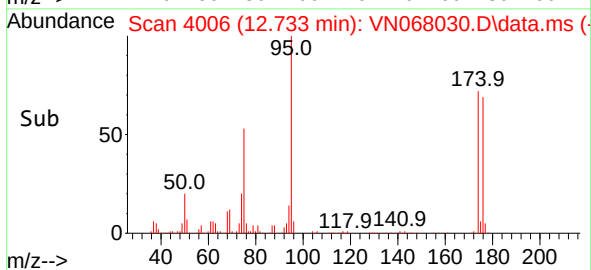
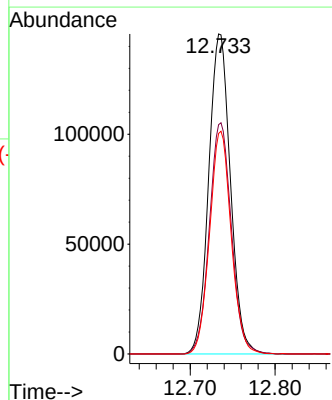
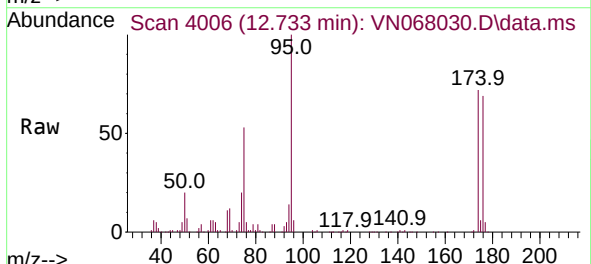
Instrument :
MSVOA_N
ClientSampled :

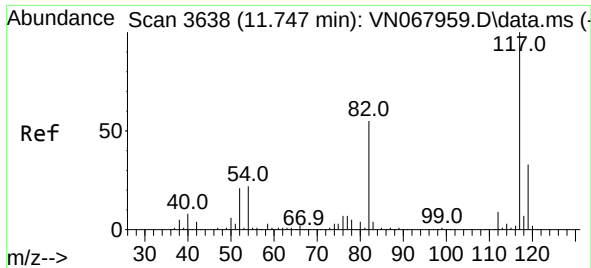
Tgt Ion:129 Resp: 240
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 45.391 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion: 95 Resp: 258359
Ion Ratio Lower Upper
95 100
174 73.4 0.0 122.0
176 69.3 0.0 117.6

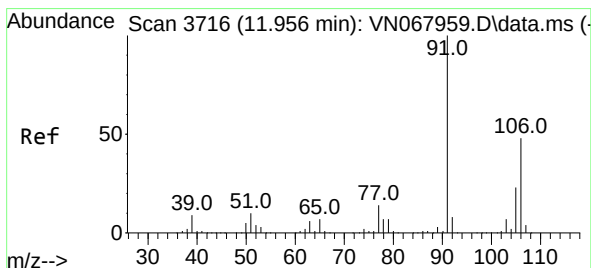
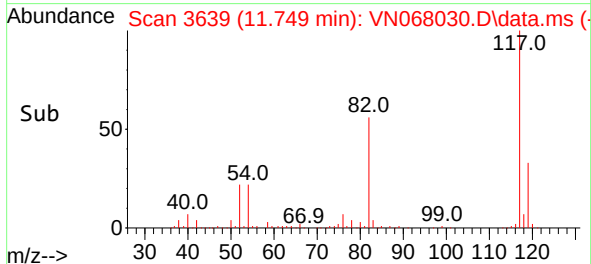
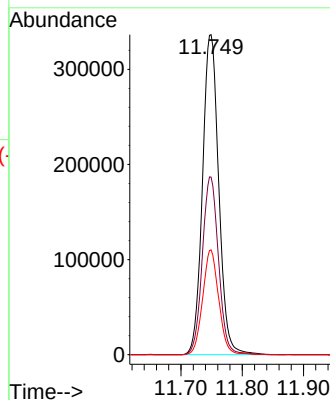
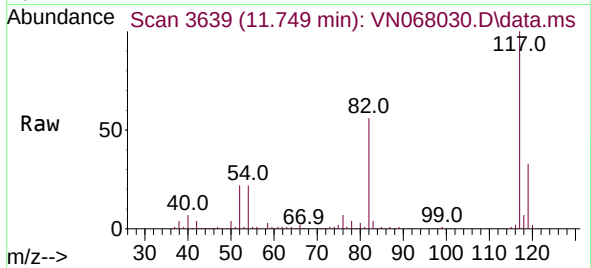




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

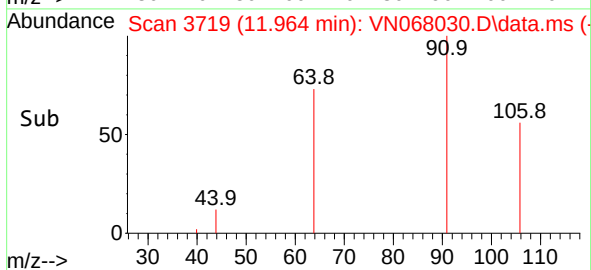
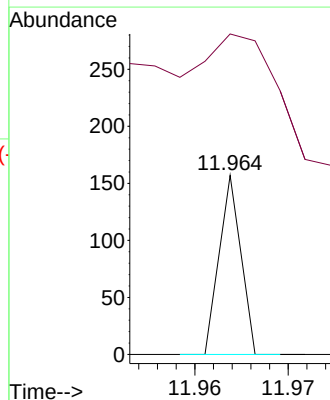
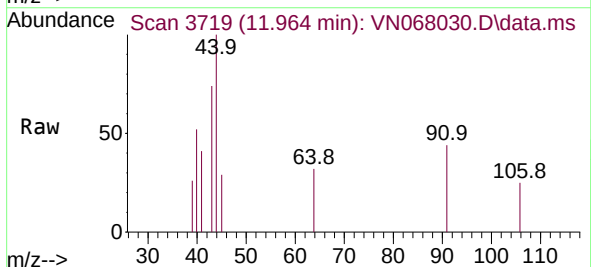
Instrument :
MSVOA_N
ClientSampled :

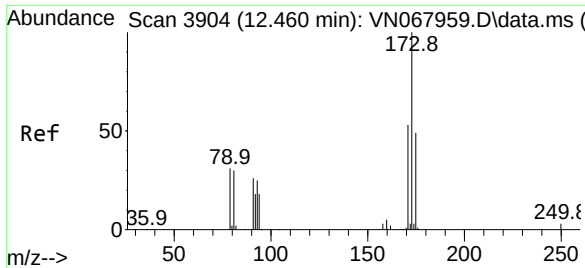
Tgt Ion:117 Resp: 621448
Ion Ratio Lower Upper
117 100
82 55.5 53.1 79.7
119 32.8 25.5 38.3



#68
m/p-Xylenes
Concen: 4.065 ug/l
RT: 11.964 min Scan# 3719
Delta R.T. 0.008 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion:106 Resp: 25
Ion Ratio Lower Upper
106 100
91 2012.0 180.6 270.8#

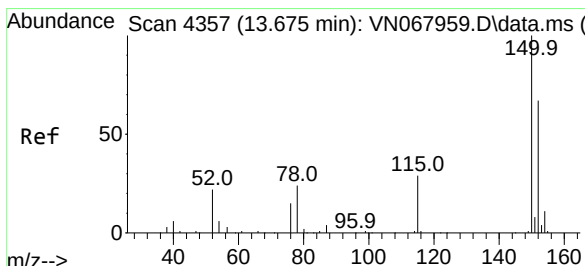
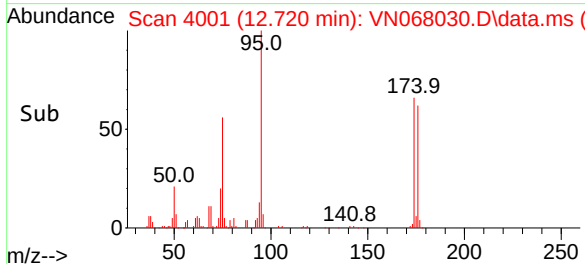
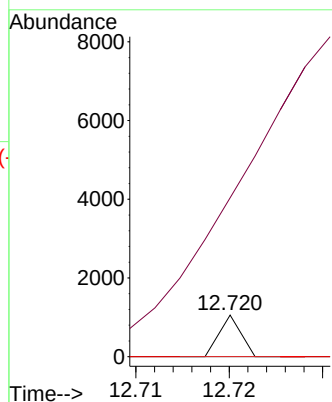
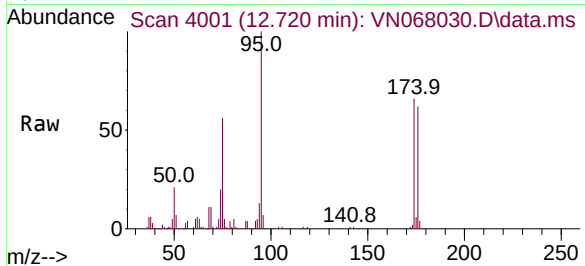




#71
Bromoform
Concen: 4.070 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

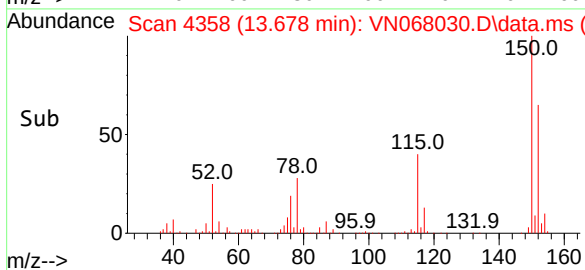
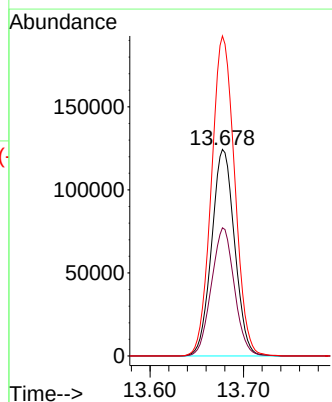
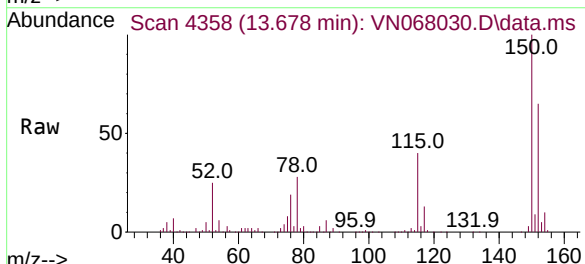
Instrument :
MSVOA_N
ClientSampled :

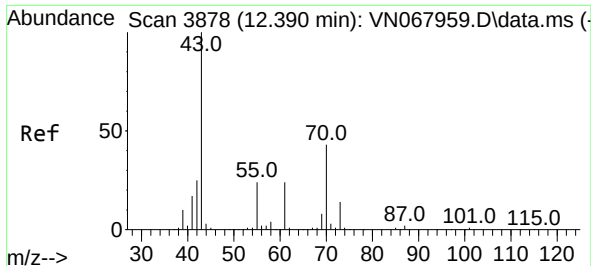
Tgt Ion:173 Resp: 170
Ion Ratio Lower Upper
173 100
175 8206.5 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion:152 Resp: 212653
Ion Ratio Lower Upper
152 100
115 62.1 36.1 108.5
150 157.0 0.0 351.8

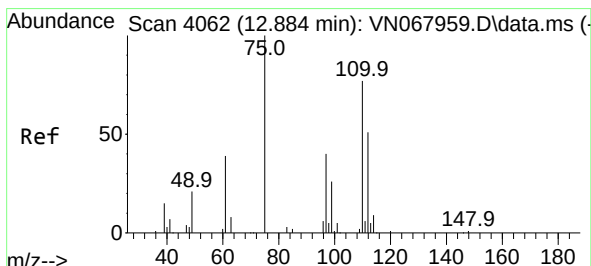
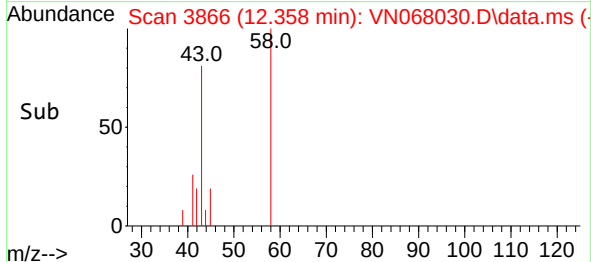
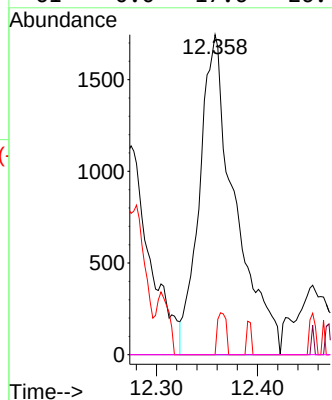
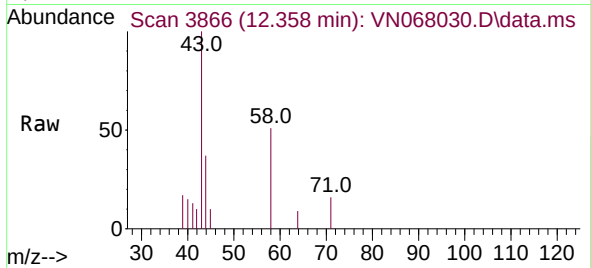




#74
N-amy1 acetate
Concen: 0.705 ug/l
RT: 12.358 min Scan# 3866
Delta R.T. -0.032 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

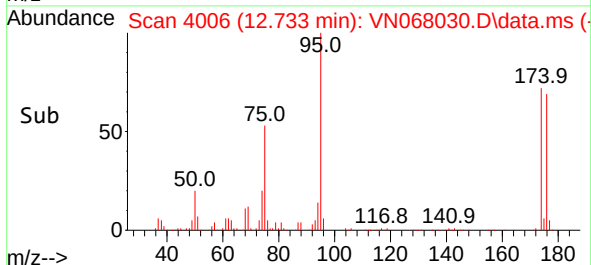
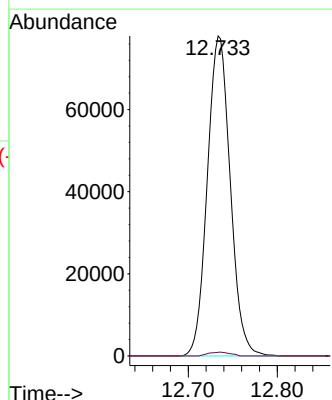
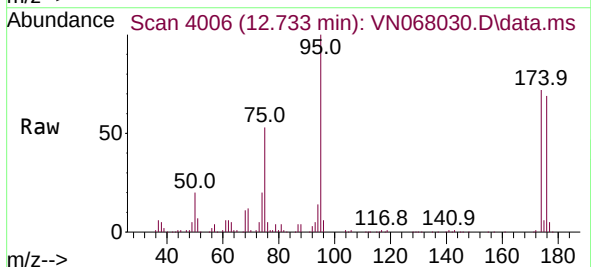
Instrument :
MSVOA_N
ClientSampled :

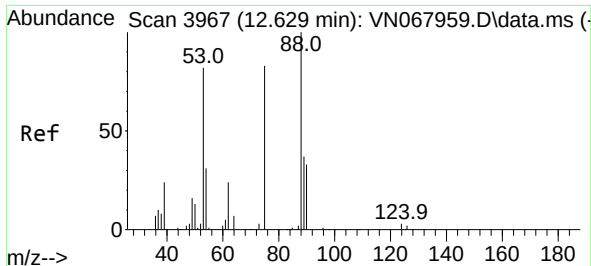
Tgt Ion: 43 Resp: 4252
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.2#
55 3.2 17.0 25.4#
61 0.0 17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 32.610 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion: 75 Resp: 139269
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

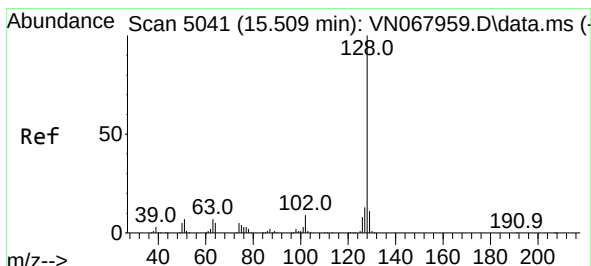
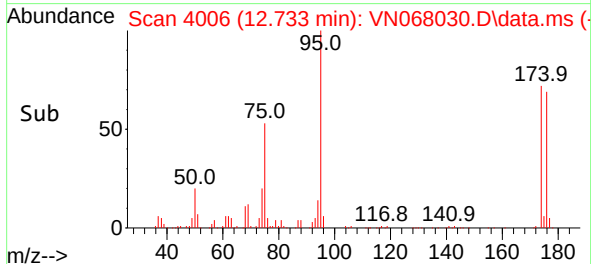
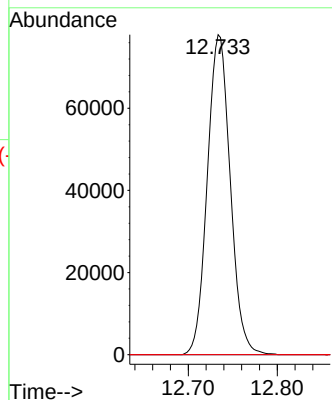
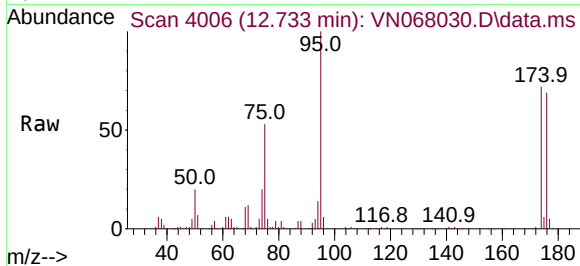




#81
trans-1,4-Dichloro-2-butene
Concen: 87.563 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 139269
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.192 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN068030.D
Acq: 5 Aug 2021 21:00

Tgt Ion:128 Resp: 681
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

