

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080321\
 Data File : VN067988.D
 Acq On : 3 Aug 2021 17:49
 Operator : JC/MD
 Sample : M3269-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 04 03:41:01 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)

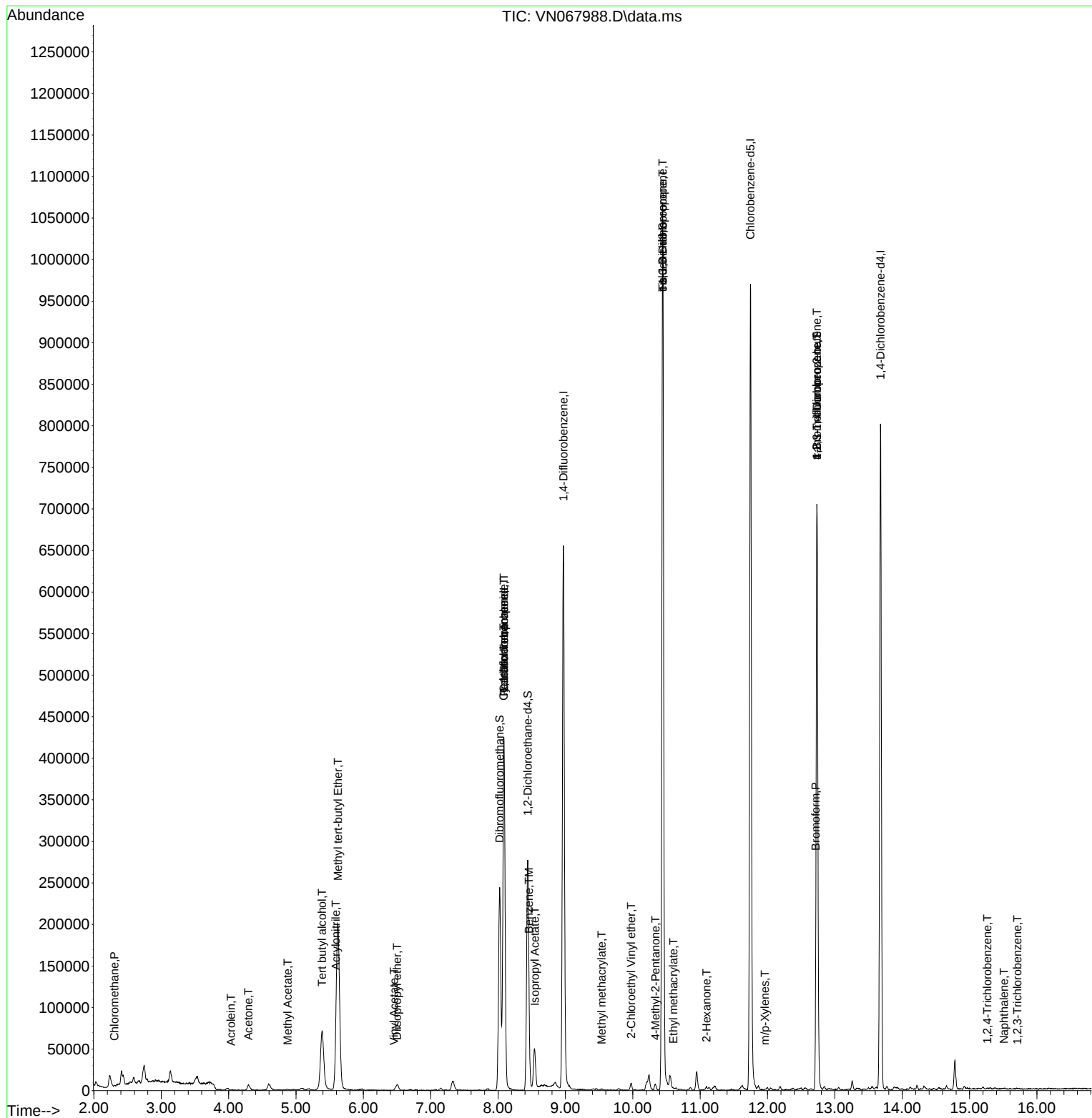
Internal Standards						
1) Pentafluorobenzene	8.088	168	301090	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	577945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	556431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	209543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	236671	55.525	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.040%			
35) Dibromofluoromethane	8.024	113	180519	53.595	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.200%			
50) Toluene-d8	10.443	98	739953	47.788	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.580%			
62) 4-Bromofluorobenzene	12.733	95	248001	44.226	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.460%			
Target Compounds						
						Qvalue
3) Chloromethane	2.303	50	1072	0.280	ug/l	90
11) Tert butyl alcohol	5.388	59	123520	216.285	ug/l	# 88
13) Acrolein	4.033	56	123	0.317	ug/l	# 14
15) Acrylonitrile	5.591	53	862	0.539	ug/l	# 17
16) Acetone	4.293	43	10903	7.010	ug/l	93
18) Methyl Acetate	4.875	43	1731	0.361	ug/l	# 65
19) Methyl tert-butyl Ether	5.624	73	333643	31.131	ug/l	100
22) Diisopropyl ether	6.501	45	7359	0.684	ug/l	# 96
23) Vinyl Acetate	6.455	43	242	8.823	ug/l	# 75
31) Cyclohexane	8.083	56	9474	1.507	ug/l	# 16
36) 1,1-Dichloropropene	8.086	75	27535	5.151	ug/l	# 51
38) Carbon Tetrachloride	8.086	117	34244	6.513	ug/l	# 17
40) Benzene	8.458	78	3312	0.209	ug/l	# 86
43) Isopropyl Acetate	8.544	43	11647	1.389	ug/l	# 58
48) Methyl methacrylate	9.539	41	404	2.397	ug/l	# 37
51) 4-Methyl-2-Pentanone	10.336	43	3479	13.108	ug/l	# 86
53) t-1,3-Dichloropropene	10.443	75	262	2.869	ug/l	# 75
54) cis-1,3-Dichloropropene	10.443	75	262	2.390	ug/l	# 1
56) Ethyl methacrylate	10.601	69	120	3.114	ug/l	# 35
58) 2-Chloroethyl Vinyl ether	9.976	63	24	23.448	ug/l	# 50
59) 2-Hexanone	11.095	43	1015	13.509	ug/l	69
68) m/p-Xylenes	11.961	106	86	4.072	ug/l	# 1
71) Bromoform	12.717	173	75	4.050	ug/l	# 29
76) 1,2,3-Trichloropropane	12.733	75	136569	32.453	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	136569	87.158	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.265	180	76	2.490	ug/l	# 1
95) Naphthalene	15.509	128	1457	3.276	ug/l	# 77
96) 1,2,3-Trichlorobenzene	15.708	180	161	2.420	ug/l	# 34

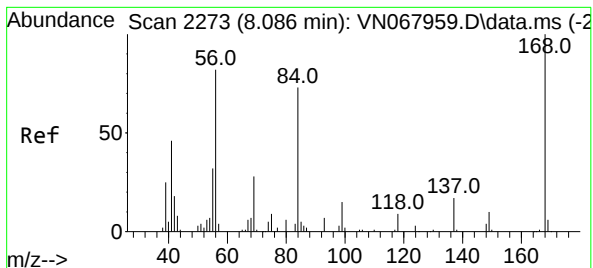
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 04 03:41:01 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067988.D

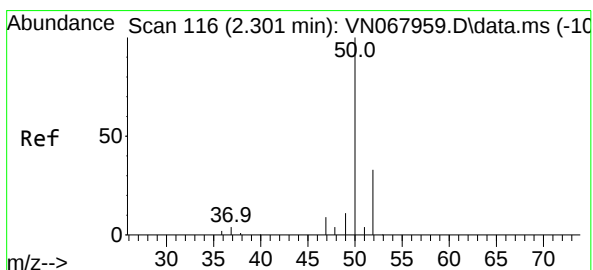
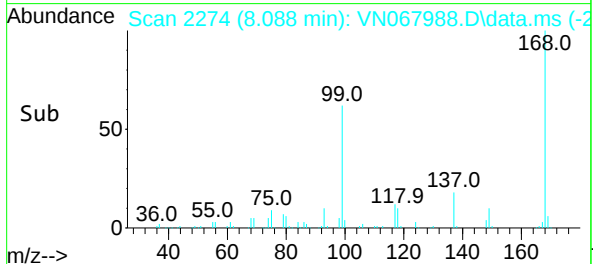
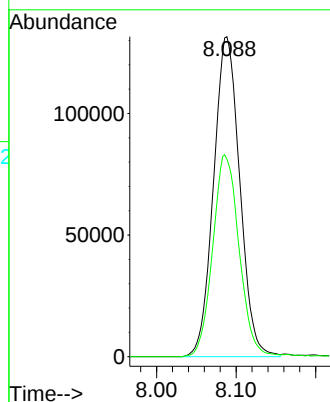
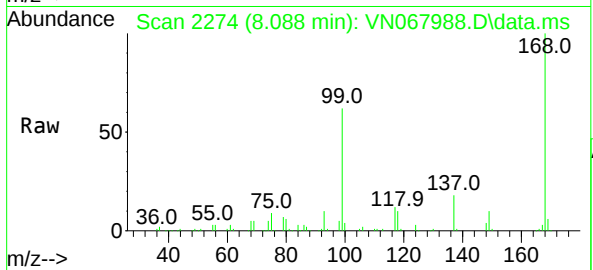
Acq: 3 Aug 2021 17:49

Tgt Ion:168 Resp: 301090

Ion Ratio Lower Upper

168 100

99 61.7 62.9 94.3#



#3

Chloromethane

Concen: 0.280 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

Lab File: VN067988.D

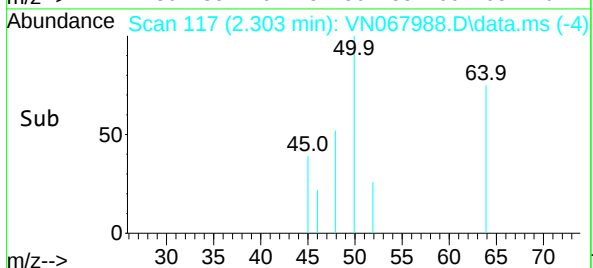
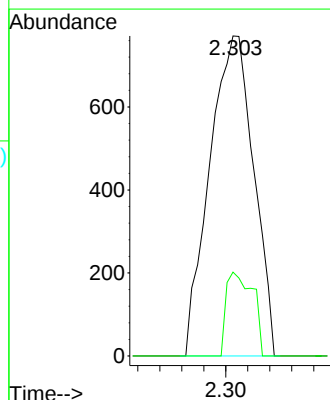
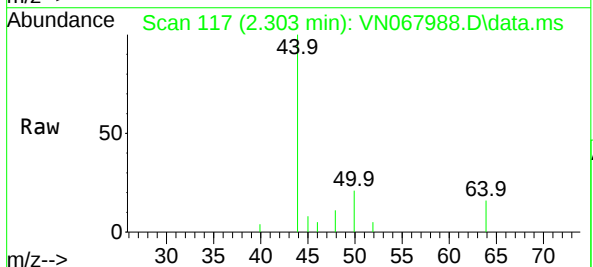
Acq: 3 Aug 2021 17:49

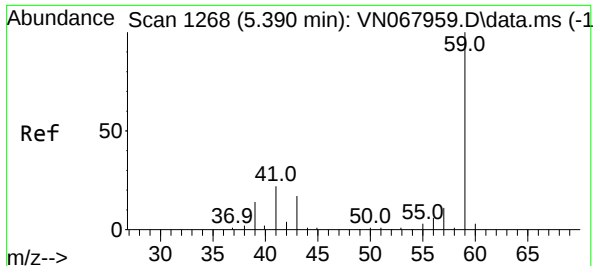
Tgt Ion: 50 Resp: 1072

Ion Ratio Lower Upper

50 100

52 26.2 25.6 38.4



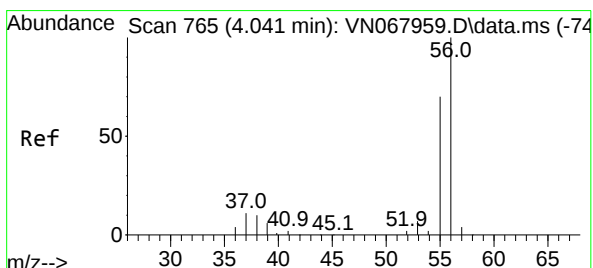
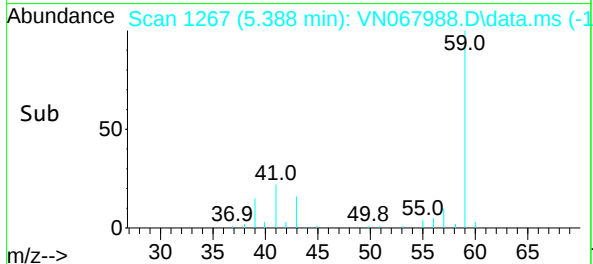
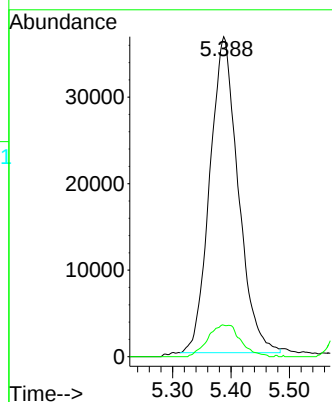
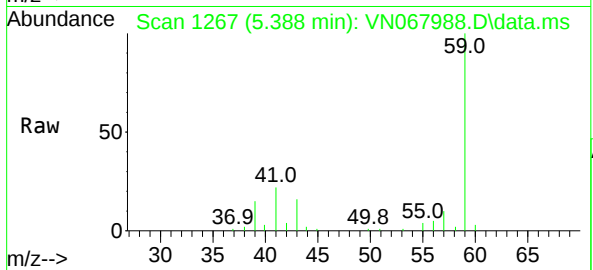


#11

Tert butyl alcohol
Concen: 216.285 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Instrument :
MSVOA_N
ClientSampled :

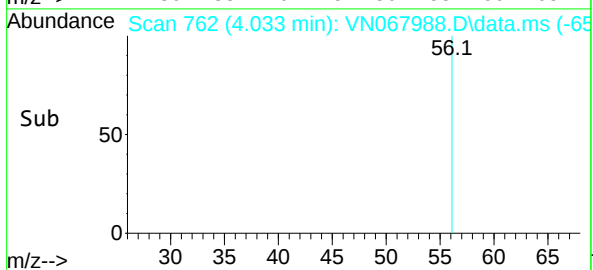
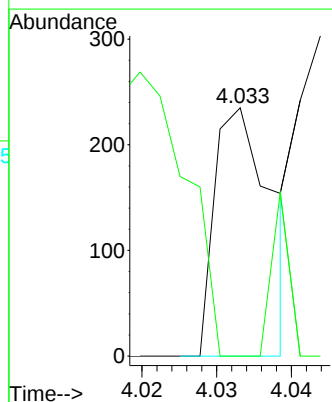
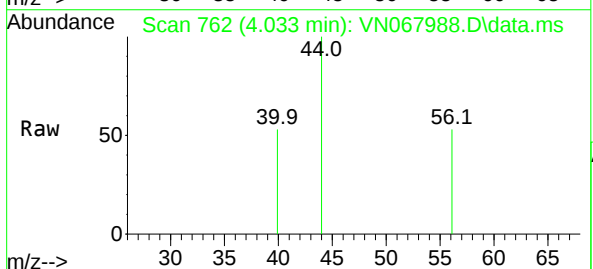
Tgt Ion: 59 Resp: 123520
Ion Ratio Lower Upper
59 100
57 6.3 8.7 13.1#

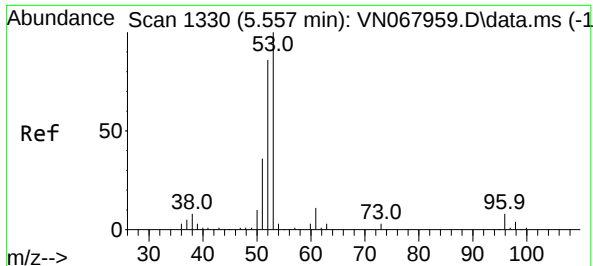


#13

Acrolein
Concen: 0.317 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.008 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

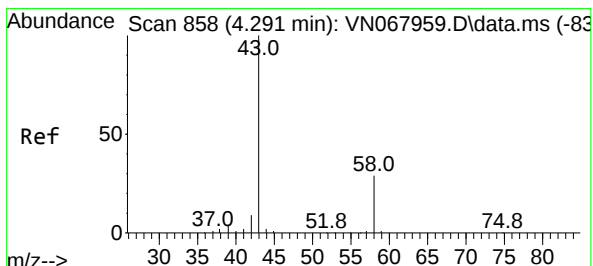
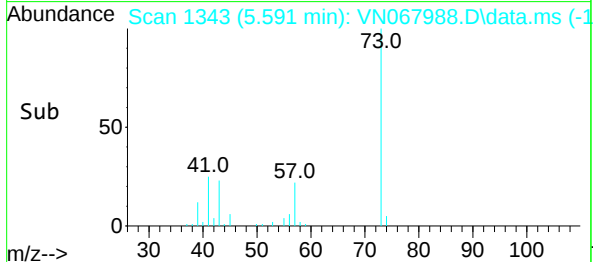
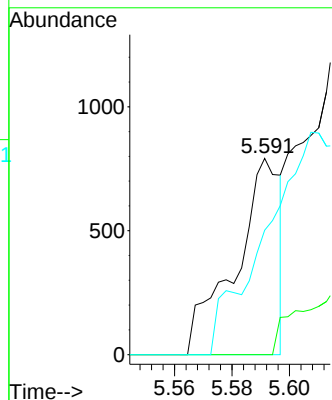
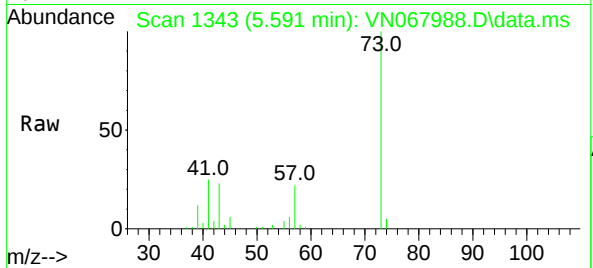




#15
Acrylonitrile
Concen: 0.539 ug/l
RT: 5.591 min Scan# 1343
Delta R.T. 0.034 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

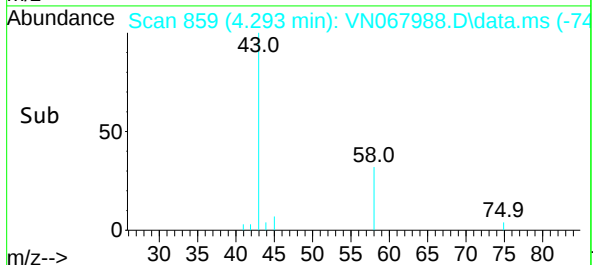
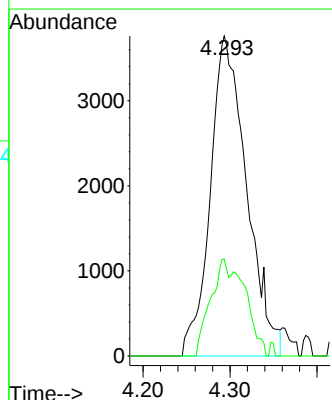
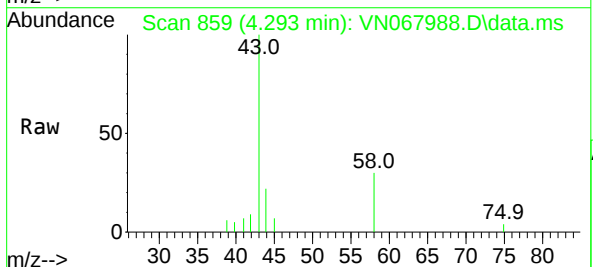
Instrument :
MSVOA_N
ClientSampled :

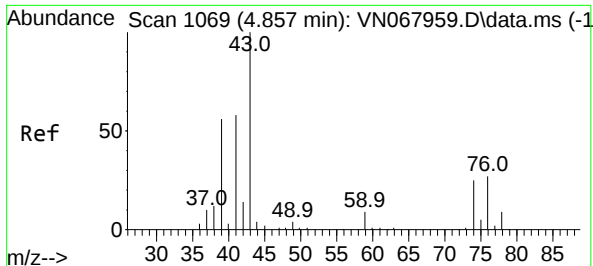
Tgt Ion: 53 Resp: 862
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 0.0 30.2 45.4#



#16
Acetone
Concen: 7.010 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion: 43 Resp: 10903
Ion Ratio Lower Upper
43 100
58 30.3 21.2 31.8





#18

Methyl Acetate

Concen: 0.361 ug/l

RT: 4.875 min Scan# 1076

Delta R.T. 0.018 min

Lab File: VN067988.D

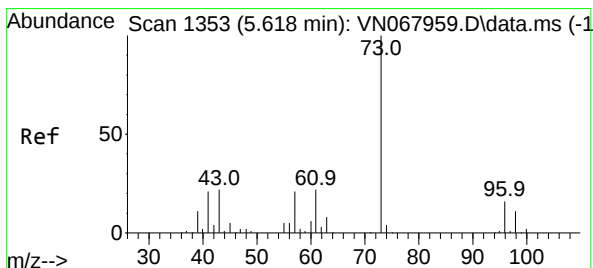
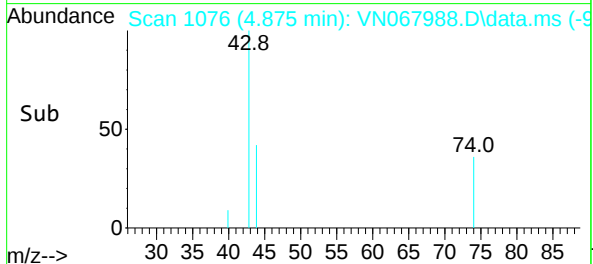
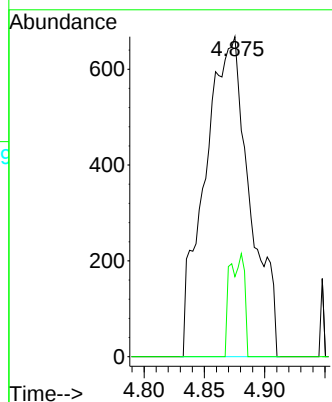
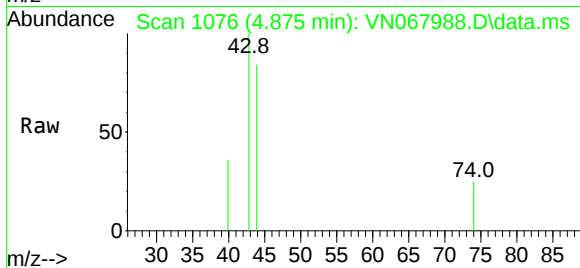
Acq: 3 Aug 2021 17:49

Tgt Ion: 43 Resp: 1731

Ion Ratio Lower Upper

43 100

74 5.1 17.4 26.0#



#19

Methyl tert-butyl Ether

Concen: 31.131 ug/l

RT: 5.624 min Scan# 1355

Delta R.T. 0.006 min

Lab File: VN067988.D

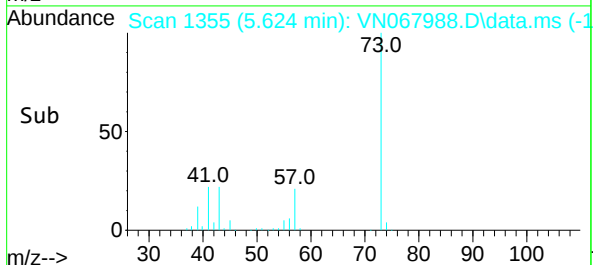
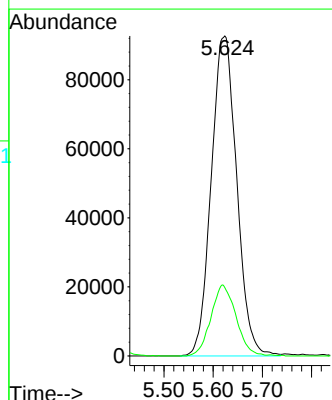
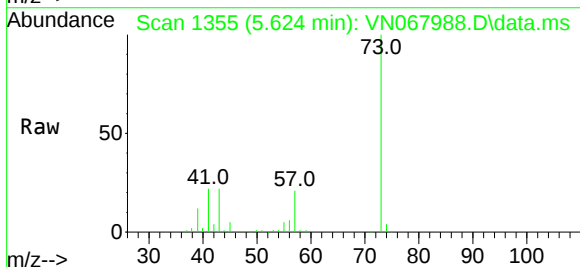
Acq: 3 Aug 2021 17:49

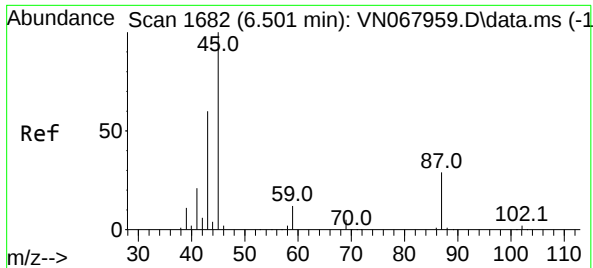
Tgt Ion: 73 Resp: 333643

Ion Ratio Lower Upper

73 100

57 21.4 17.0 25.6

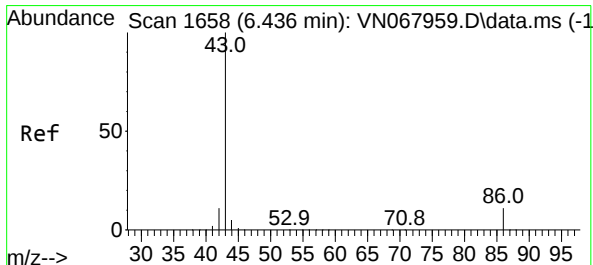
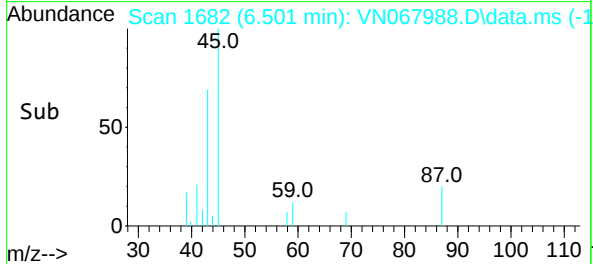
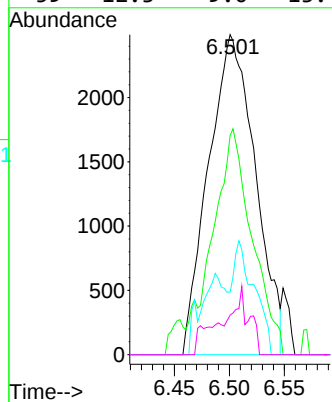
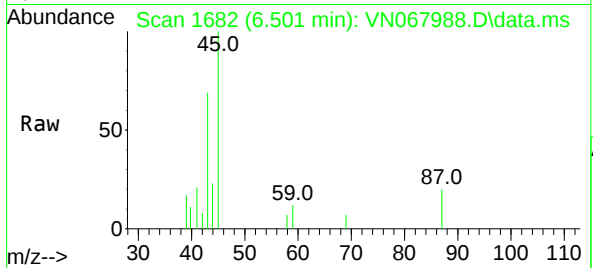




#22
Diisopropyl ether
Concen: 0.684 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

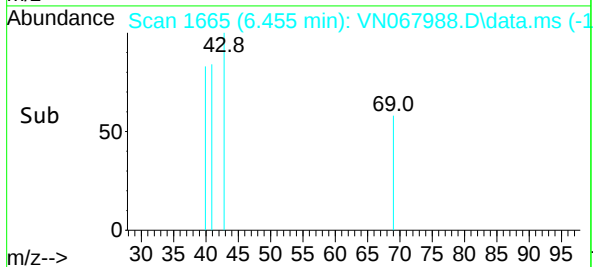
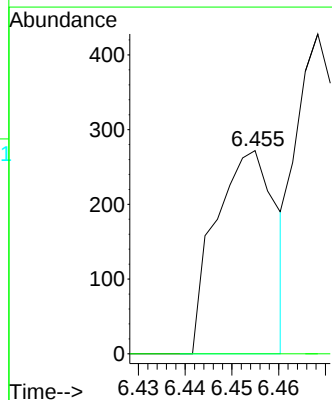
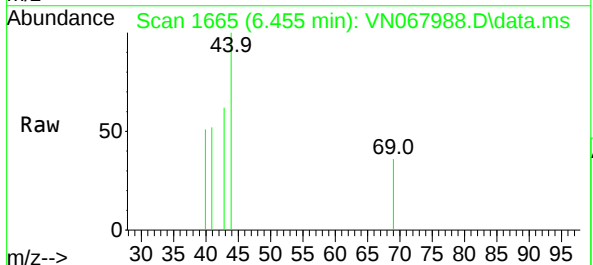
Instrument :
MSVOA_N
ClientSampled :

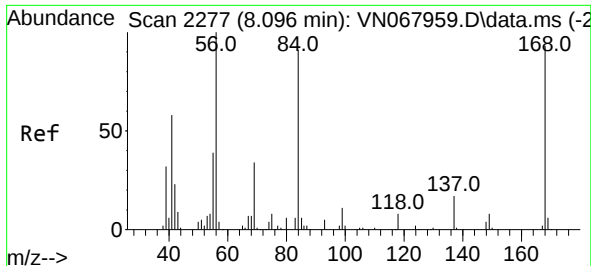
Tgt Ion:	45	Resp:	7359
Ion	Ratio	Lower	Upper
45	100		
43	61.0	49.4	74.2
87	19.6	20.9	31.3#
59	12.3	9.0	13.4



#23
Vinyl Acetate
Concen: 8.823 ug/l
RT: 6.455 min Scan# 1665
Delta R.T. 0.019 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion:	43	Resp:	242
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.3	10.9#

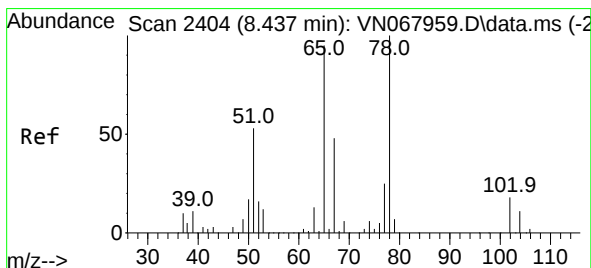
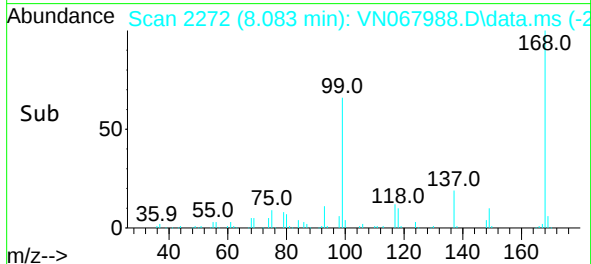
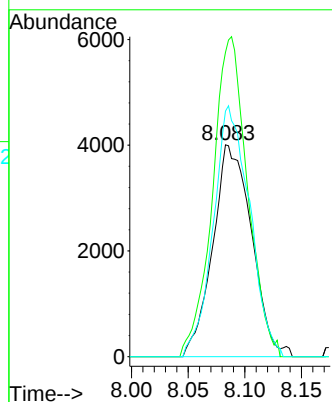
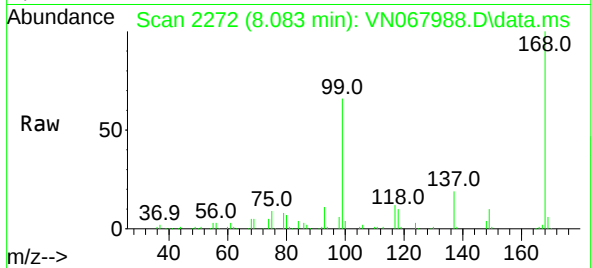




#31
Cyclohexane
Concen: 1.507 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.013 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

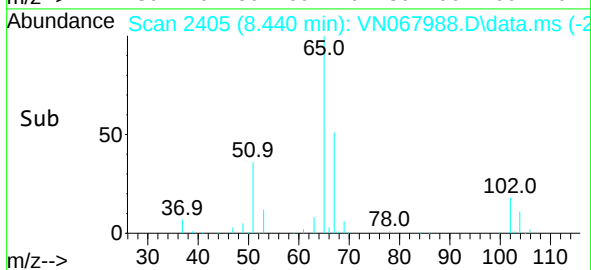
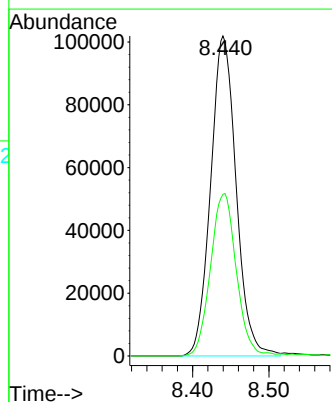
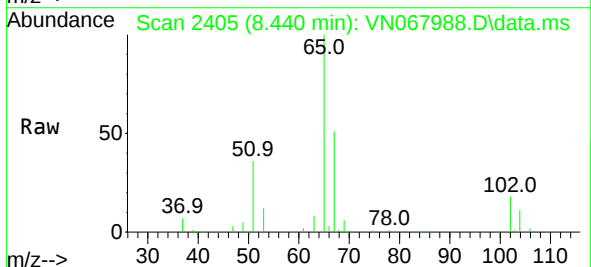
Instrument :
MSVOA_N
ClientSampled :

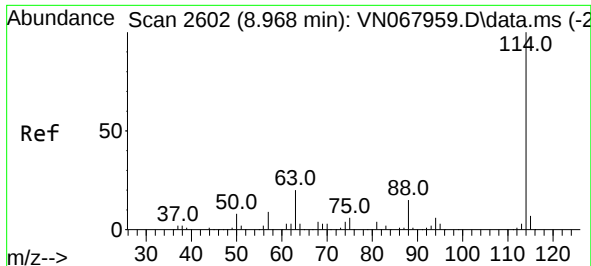
Tgt Ion: 56 Resp: 9474
Ion Ratio Lower Upper
56 100
69 143.6 27.3 40.9#
84 115.9 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 55.525 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion: 65 Resp: 236671
Ion Ratio Lower Upper
65 100
67 51.3 0.0 98.6

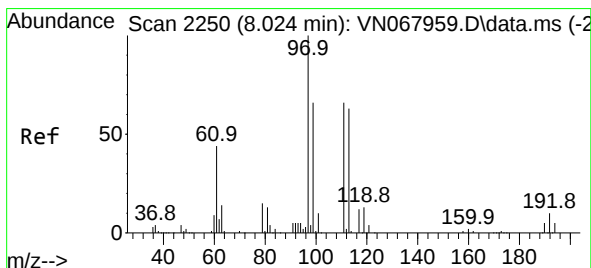
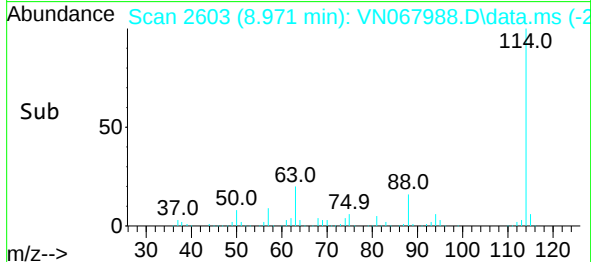
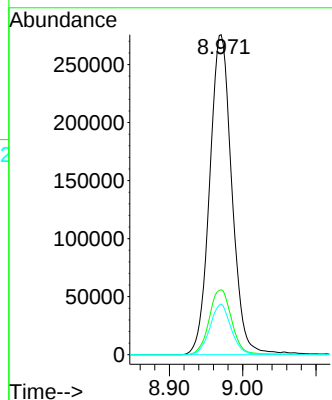
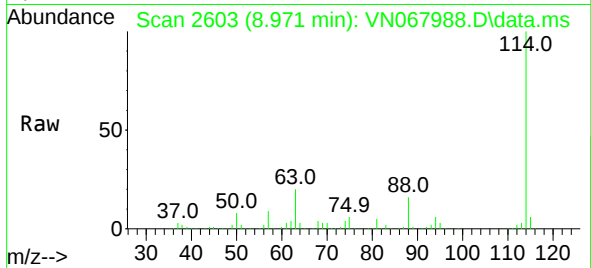




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

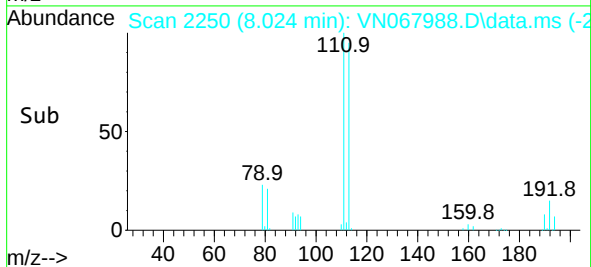
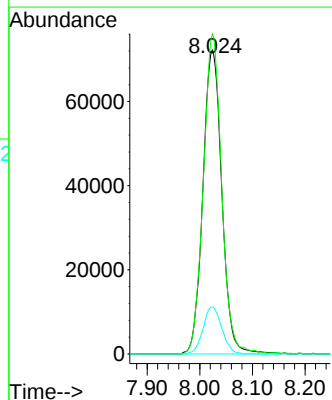
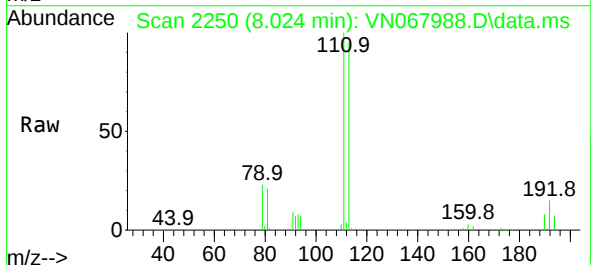
Instrument :
MSVOA_N
ClientSampled :

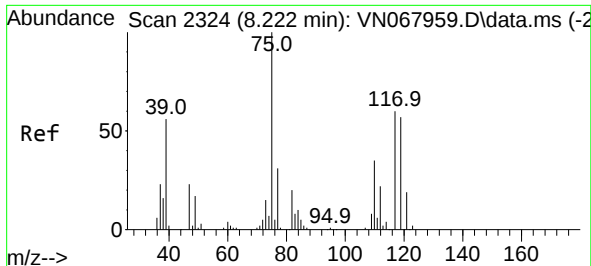
Tgt Ion:114 Resp: 577945
Ion Ratio Lower Upper
114 100
63 20.3 0.0 49.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.595 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion:113 Resp: 180519
Ion Ratio Lower Upper
113 100
111 102.0 83.8 125.8
192 15.2 13.4 20.0

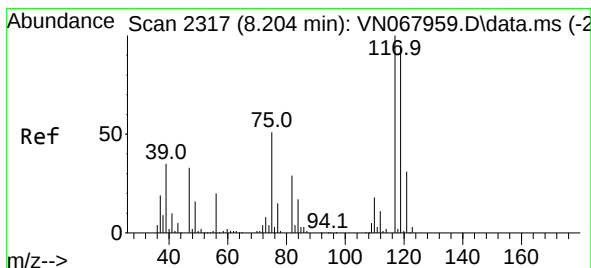
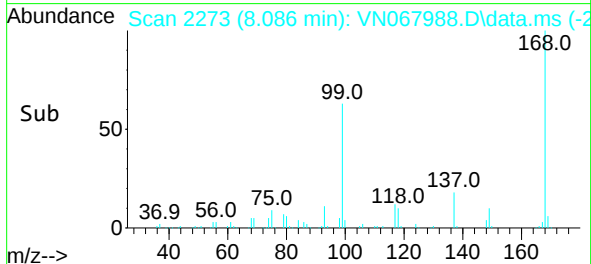
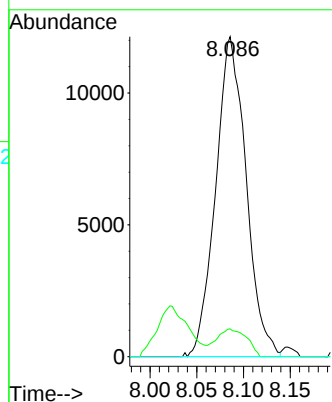
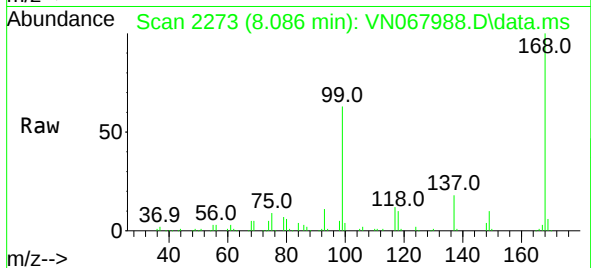




#36
1,1-Dichloropropene
Concen: 5.151 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

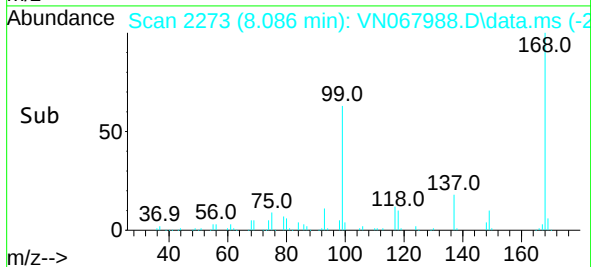
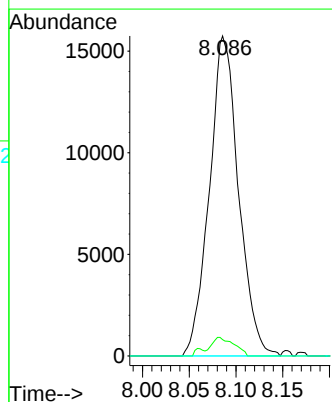
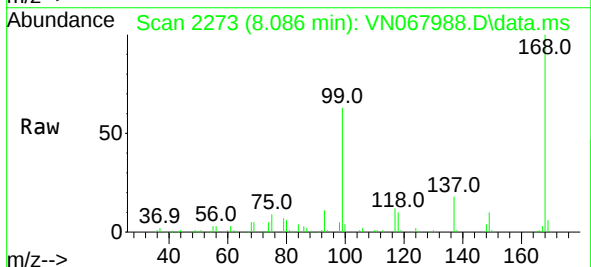
Instrument :
MSVOA_N
ClientSampled :

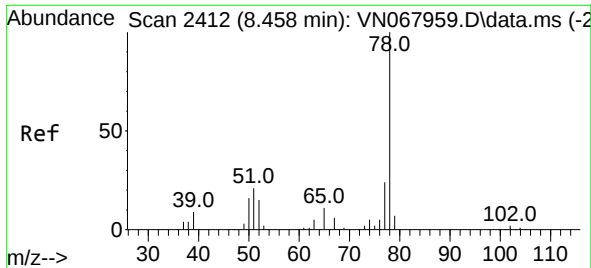
Tgt Ion: 75 Resp: 27535
Ion Ratio Lower Upper
75 100
110 8.6 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.513 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion: 117 Resp: 34244
Ion Ratio Lower Upper
117 100
119 5.1 75.4 113.2#
121 0.0 23.5 35.3#

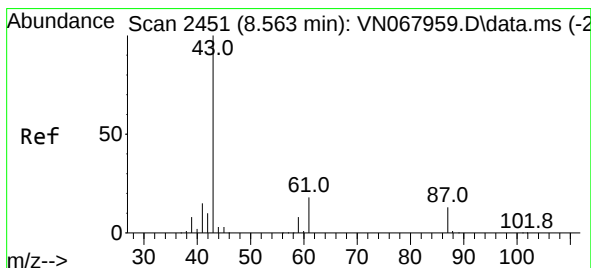
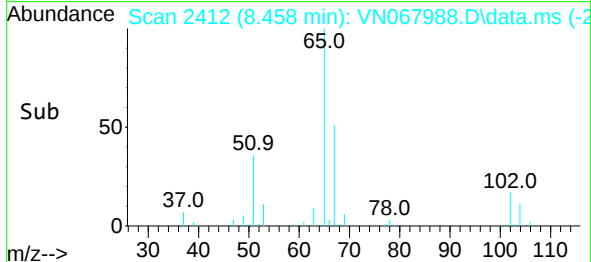
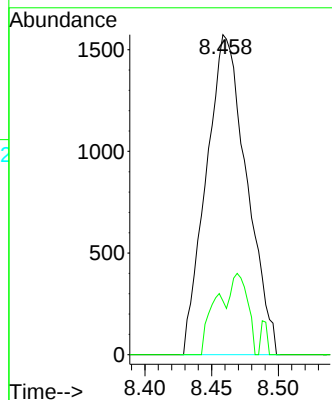
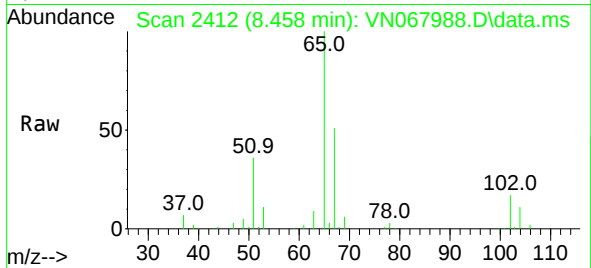




#40
Benzene
Concen: 0.209 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. 0.000 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

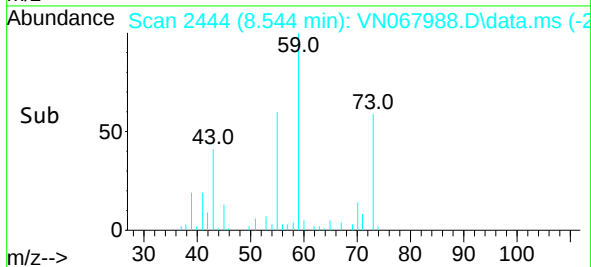
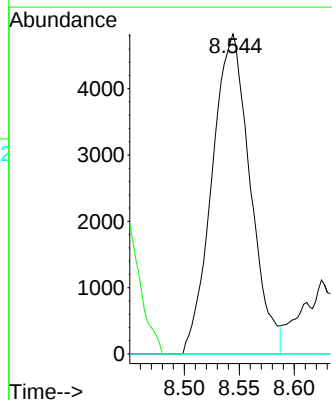
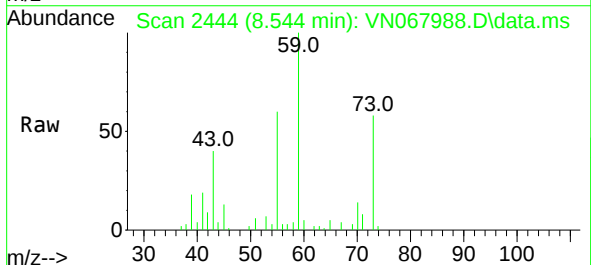
Instrument :
MSVOA_N
ClientSampled :

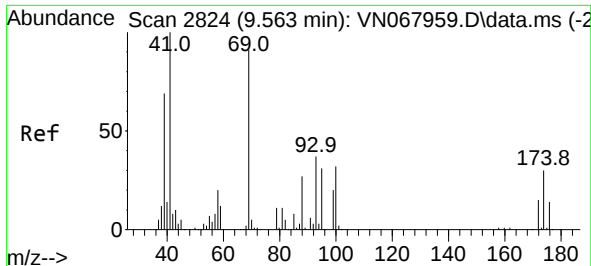
Tgt Ion: 78 Resp: 3312
Ion Ratio Lower Upper
78 100
77 16.8 18.9 28.3#



#43
Isopropyl Acetate
Concen: 1.389 ug/l
RT: 8.544 min Scan# 2444
Delta R.T. -0.019 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion: 43 Resp: 11647
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#





#48

Methyl methacrylate

Concen: 2.397 ug/l

RT: 9.539 min Scan# 2815

Delta R.T. -0.024 min

Lab File: VN067988.D

Acq: 3 Aug 2021 17:49

Tgt Ion: 41 Resp: 404

Ion Ratio Lower Upper

41 100

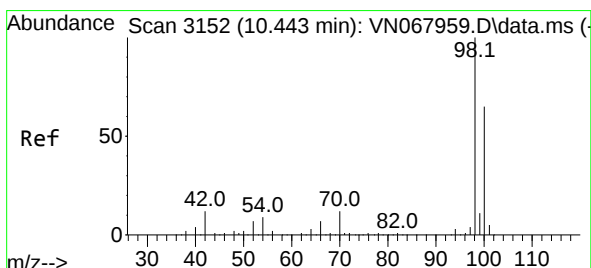
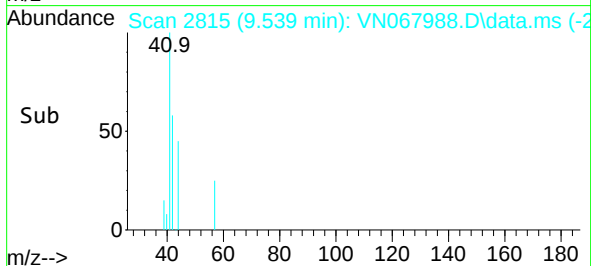
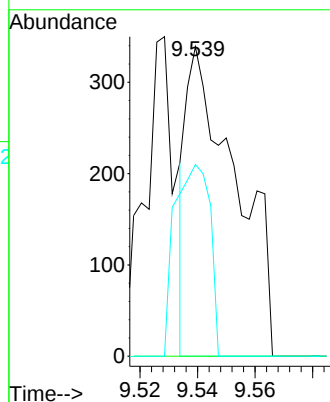
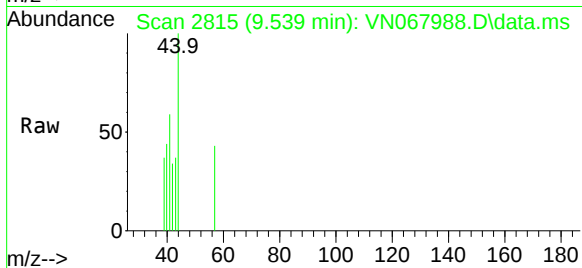
69 0.0 64.6 96.8#

39 44.1 53.3 79.9#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 47.788 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN067988.D

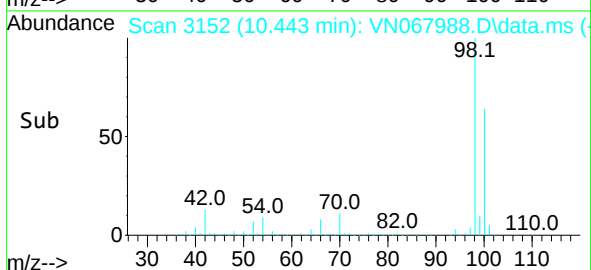
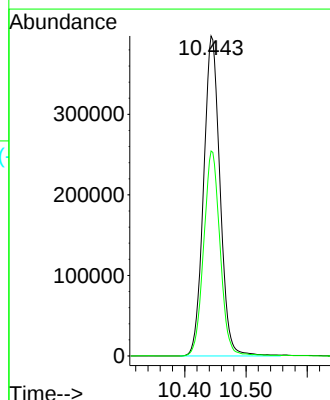
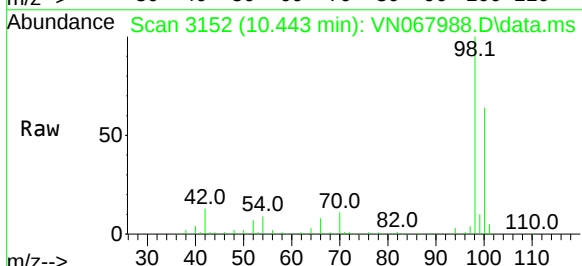
Acq: 3 Aug 2021 17:49

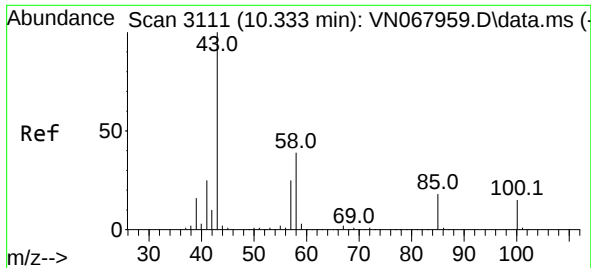
Tgt Ion: 98 Resp: 739953

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5

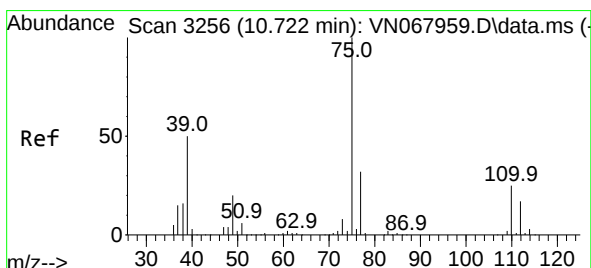
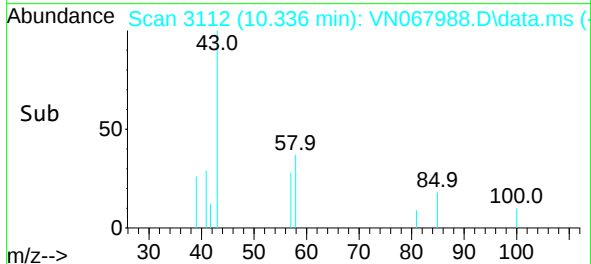
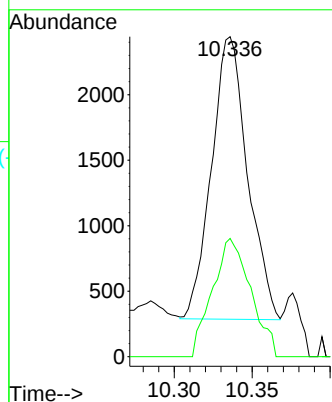
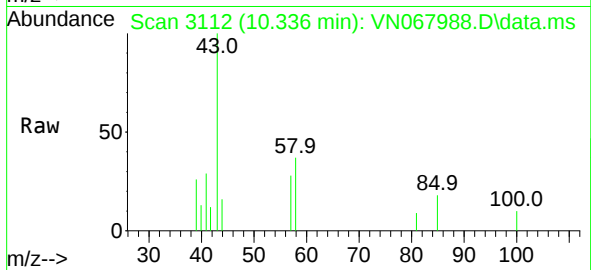




#51
4-Methyl-2-Pentanone
Concen: 13.108 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

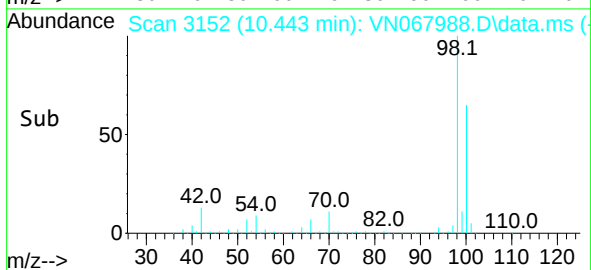
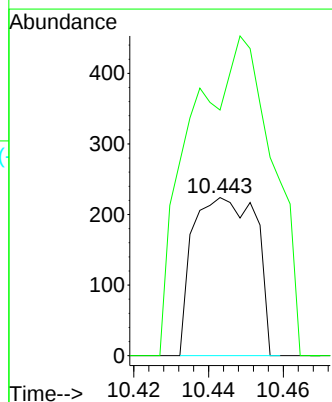
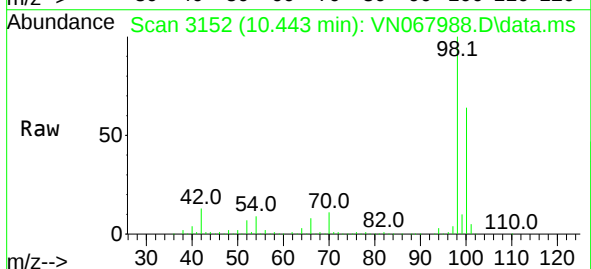
Instrument :
MSVOA_N
ClientSampled :

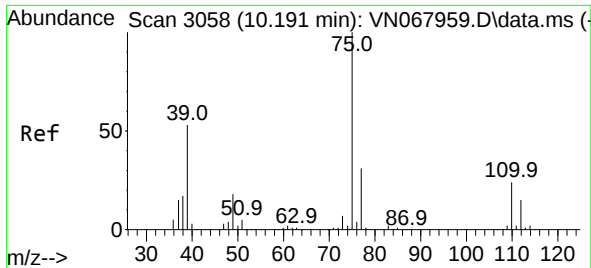
Tgt Ion: 43 Resp: 3479
Ion Ratio Lower Upper
43 100
58 44.3 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.869 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion: 75 Resp: 262
Ion Ratio Lower Upper
75 100
77 45.1 25.1 37.7#

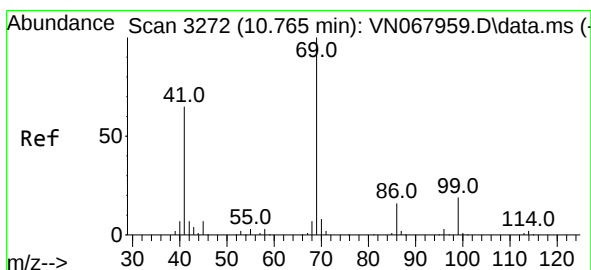
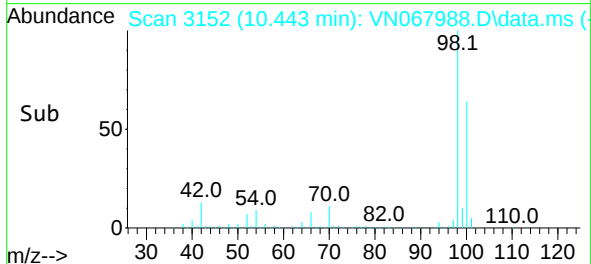
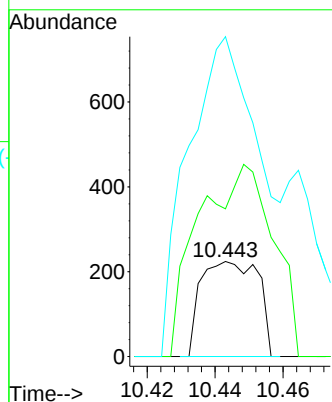
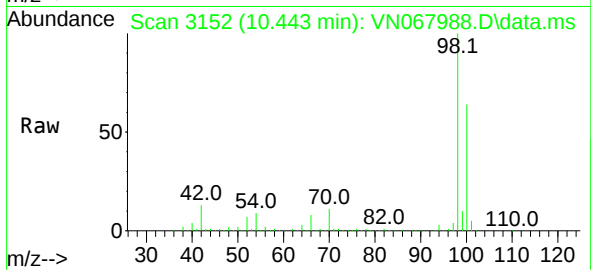




#54
cis-1,3-Dichloropropene
Concen: 2.390 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.252 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

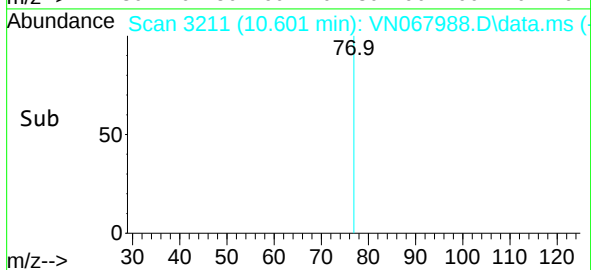
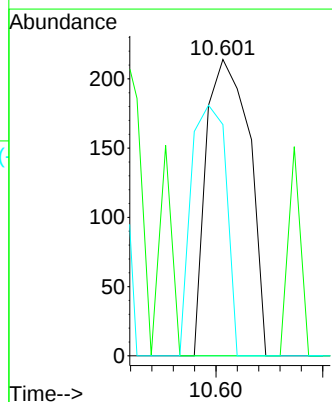
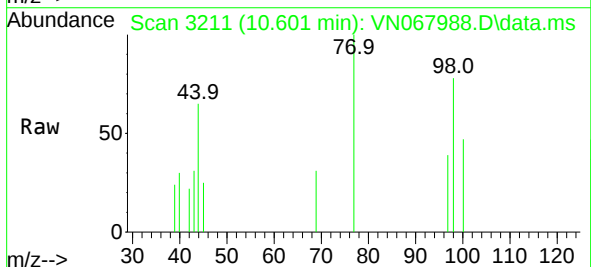
Instrument :
MSVOA_N
ClientSampled :

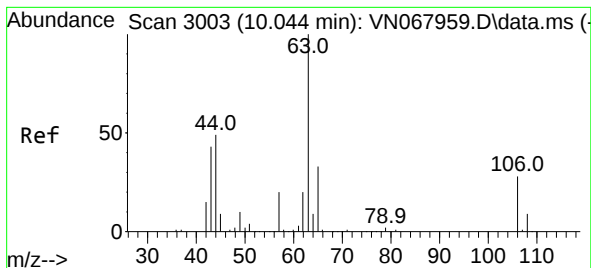
Tgt Ion: 75 Resp: 262
Ion Ratio Lower Upper
75 100
77 60.3 24.6 37.0#
39 174.6 50.7 76.1#



#56
Ethyl methacrylate
Concen: 3.114 ug/l
RT: 10.601 min Scan# 3211
Delta R.T. -0.164 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion: 69 Resp: 120
Ion Ratio Lower Upper
69 100
41 0.0 58.6 88.0#
39 68.3 38.3 57.5#

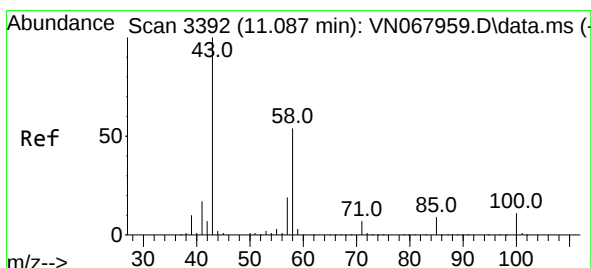
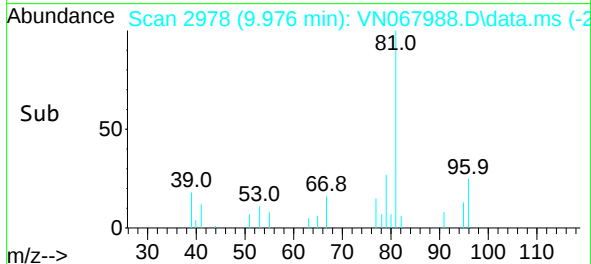
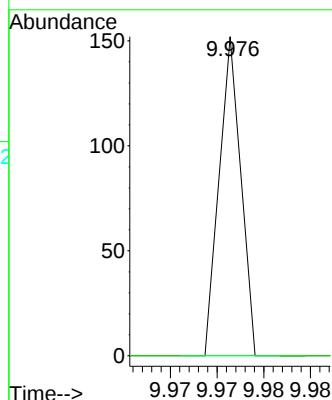
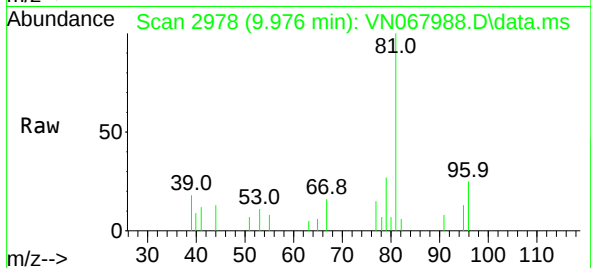




#58
2-Chloroethyl Vinyl ether
Concen: 23.448 ug/l
RT: 9.976 min Scan# 2978
Delta R.T. -0.068 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

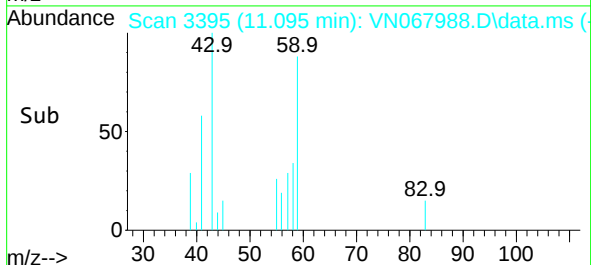
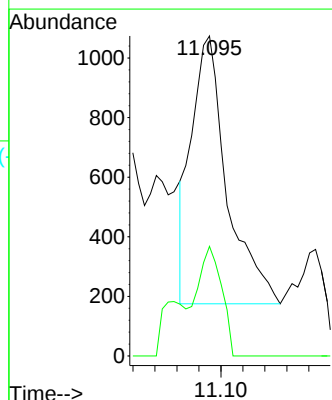
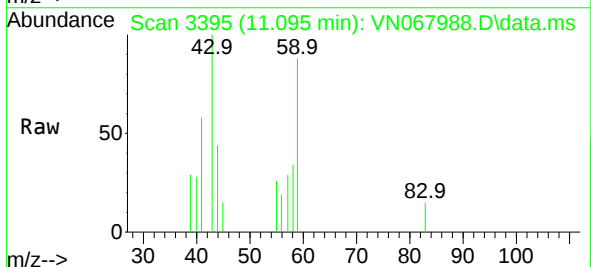
Instrument :
MSVOA_N
ClientSampled :

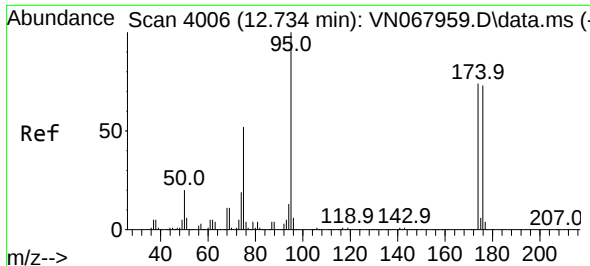
Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 0.0 19.8 29.8#



#59
2-Hexanone
Concen: 13.509 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion: 43 Resp: 1015
Ion Ratio Lower Upper
43 100
58 28.3 24.7 74.1

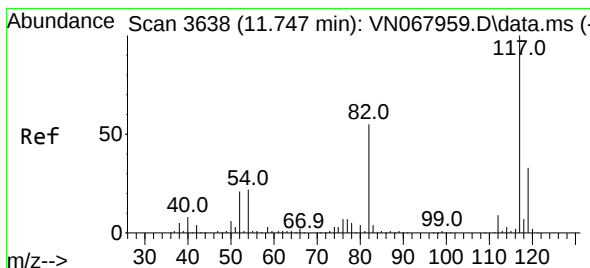
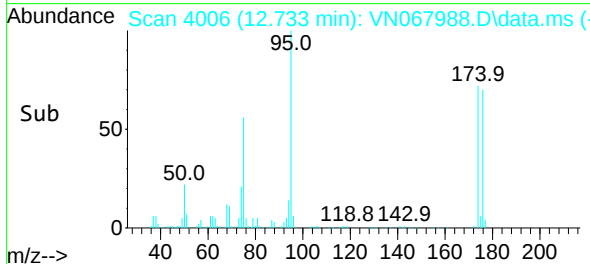
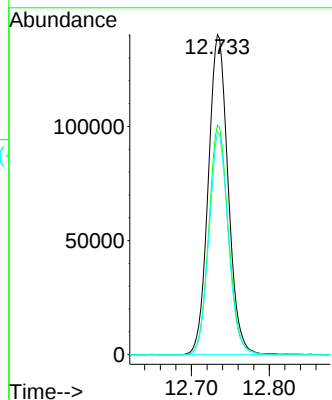
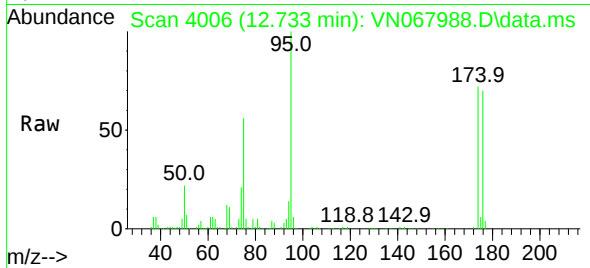




#62
4-Bromofluorobenzene
Concen: 44.226 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

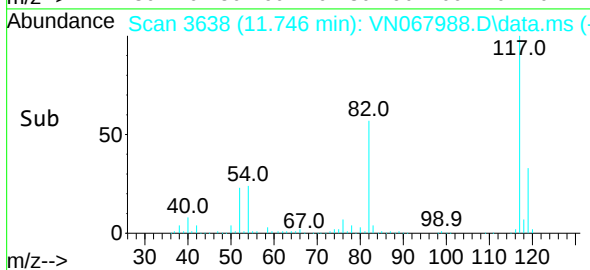
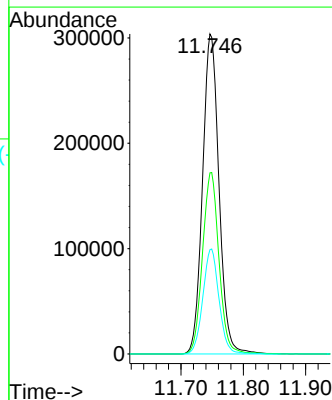
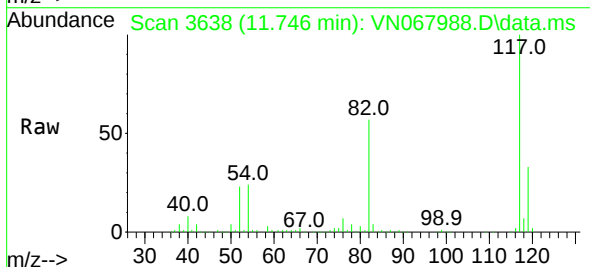
Instrument :
MSVOA_N
ClientSampleId :

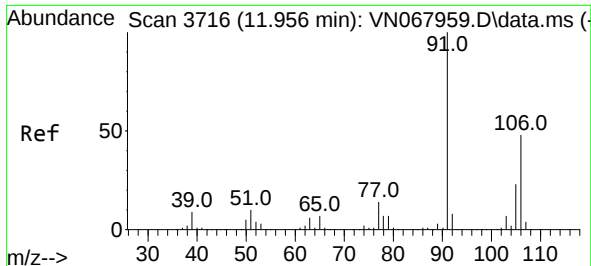
Tgt Ion: 95 Resp: 248001
Ion Ratio Lower Upper
95 100
174 71.2 0.0 122.0
176 67.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion: 117 Resp: 556431
Ion Ratio Lower Upper
117 100
82 56.6 53.1 79.7
119 32.6 25.5 38.3

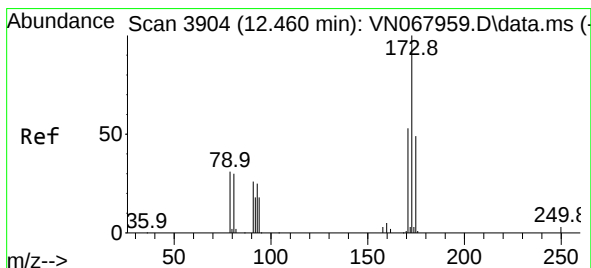
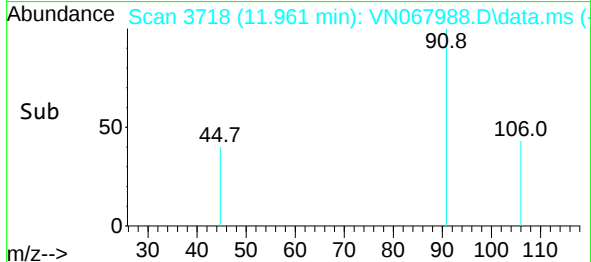
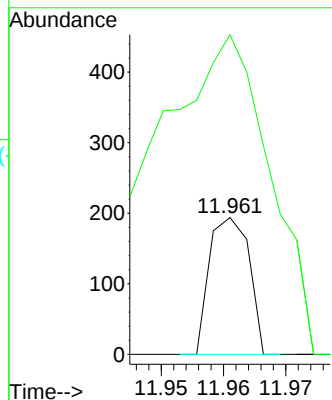
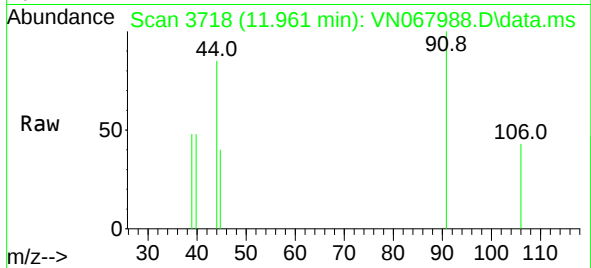




#68
m/p-Xylenes
Concen: 4.072 ug/l
RT: 11.961 min Scan# 3718
Delta R.T. 0.005 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

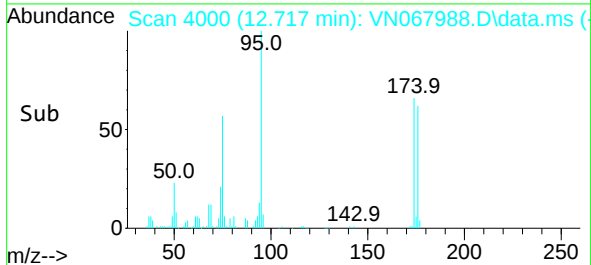
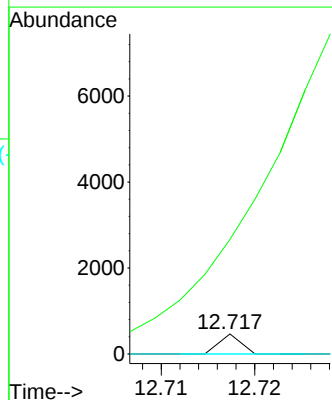
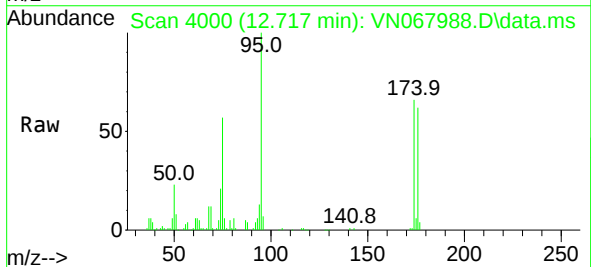
Instrument :
MSVOA_N
ClientSampled :

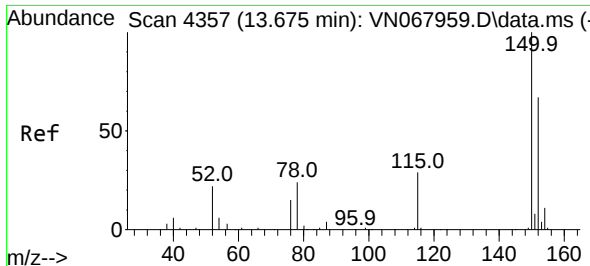
Tgt Ion:106 Resp: 86
Ion Ratio Lower Upper
106 100
91 717.4 180.6 270.8#



#71
Bromoform
Concen: 4.050 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

Tgt Ion:173 Resp: 75
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

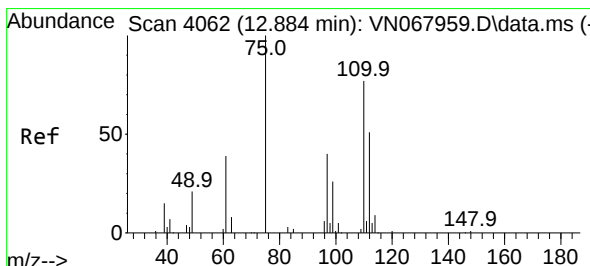
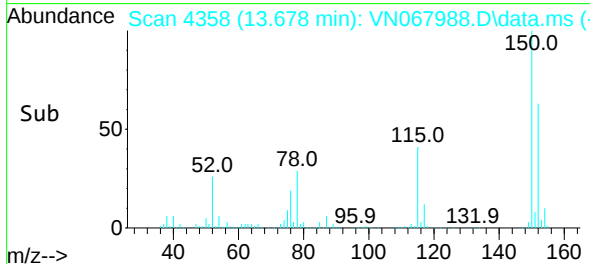
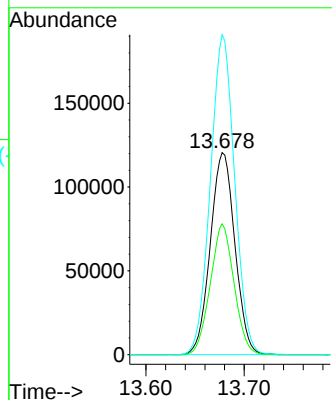
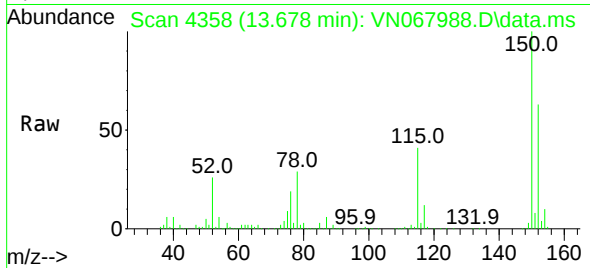




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.002 min
 Lab File: VN067988.D
 Acq: 3 Aug 2021 17:49

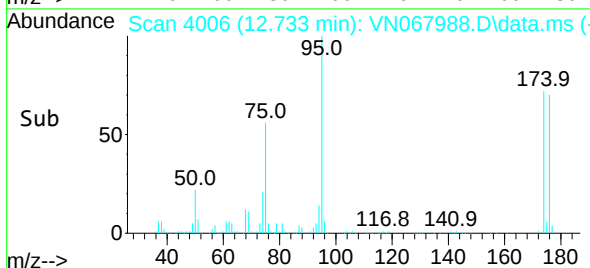
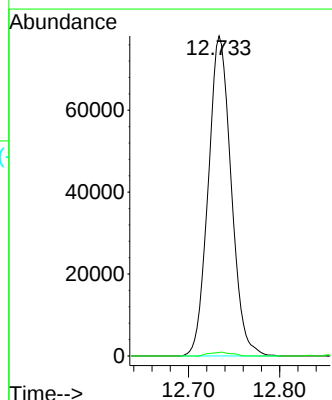
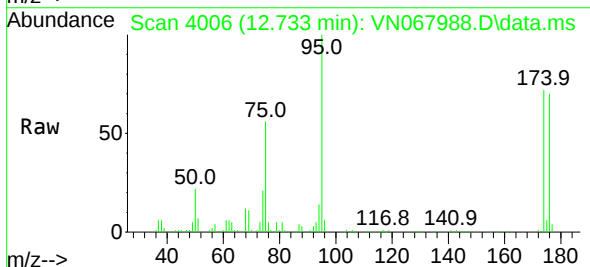
Instrument :
 MSVOA_N
 ClientSampled :

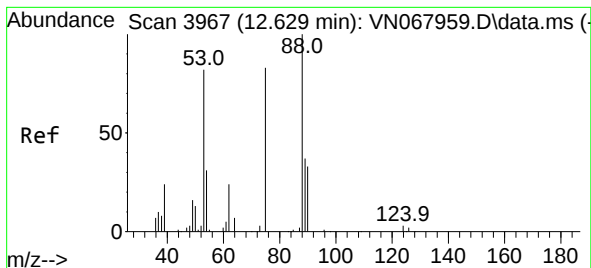
Tgt Ion:152 Resp: 209543
 Ion Ratio Lower Upper
 152 100
 115 62.5 36.1 108.5
 150 156.1 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 32.453 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.151 min
 Lab File: VN067988.D
 Acq: 3 Aug 2021 17:49

Tgt Ion: 75 Resp: 136569
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

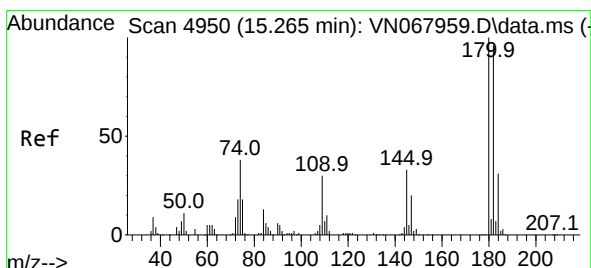
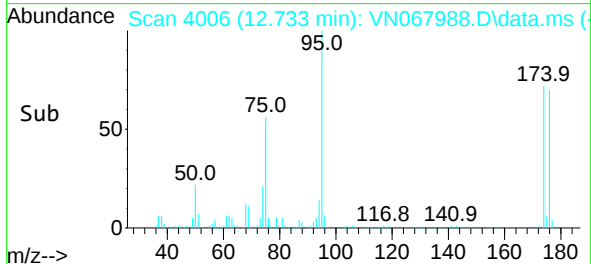
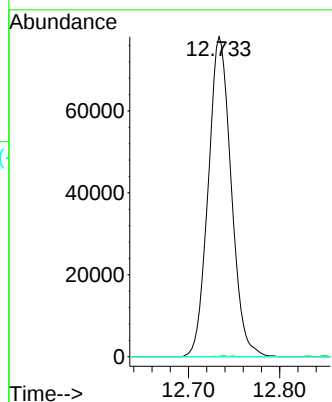
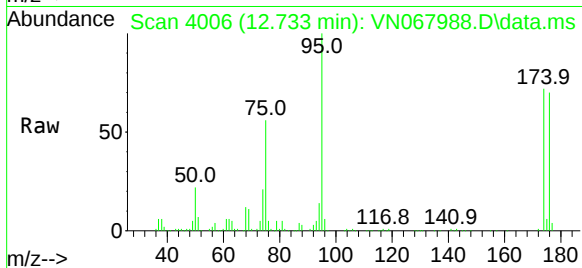




#81
trans-1,4-Dichloro-2-butene
Concen: 87.158 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

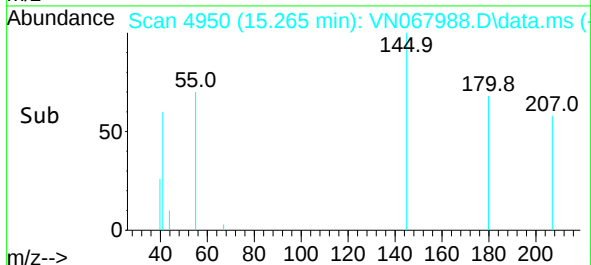
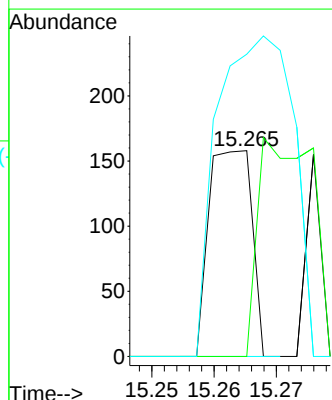
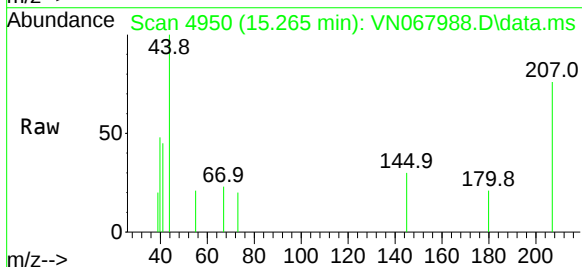
Instrument :
MSVOA_N
ClientSampleId :

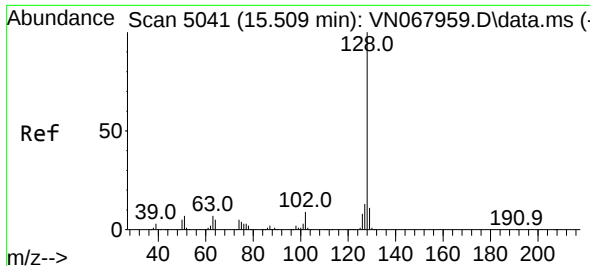
Tgt Ion: 75 Resp: 136569
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.490 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

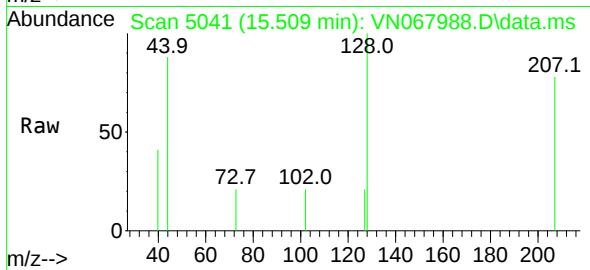
Tgt Ion:180 Resp: 76
Ion Ratio Lower Upper
180 100
182 134.2 47.5 142.5
145 273.7 17.2 51.6#



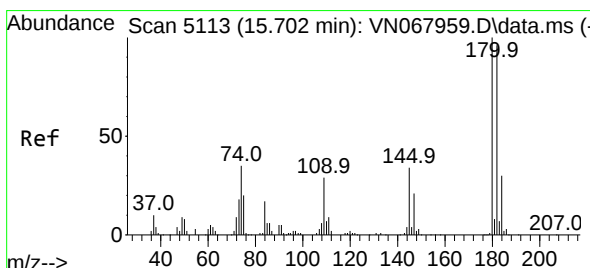
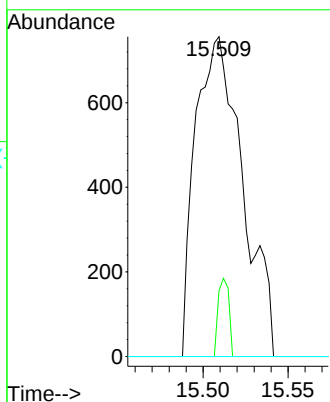
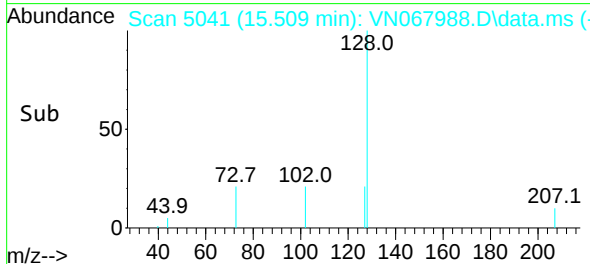


#95
Naphthalene
Concen: 3.276 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49

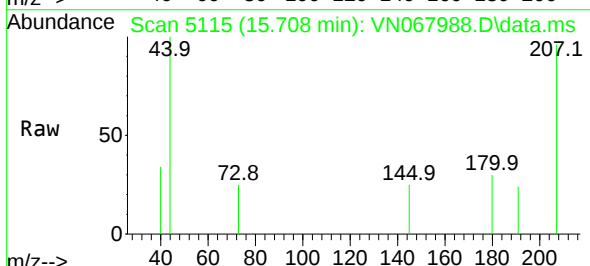
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:128 Resp: 1457
Ion Ratio Lower Upper
128 100
127 5.6 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.420 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN067988.D
Acq: 3 Aug 2021 17:49



Tgt Ion:180 Resp: 161
Ion Ratio Lower Upper
180 100
182 16.1 47.8 143.3#
145 52.2 18.2 54.6

