

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080321\
 Data File : VN067989.D
 Acq On : 3 Aug 2021 18:14
 Operator : JC/MD
 Sample : M3269-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 04 03:41:21 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)

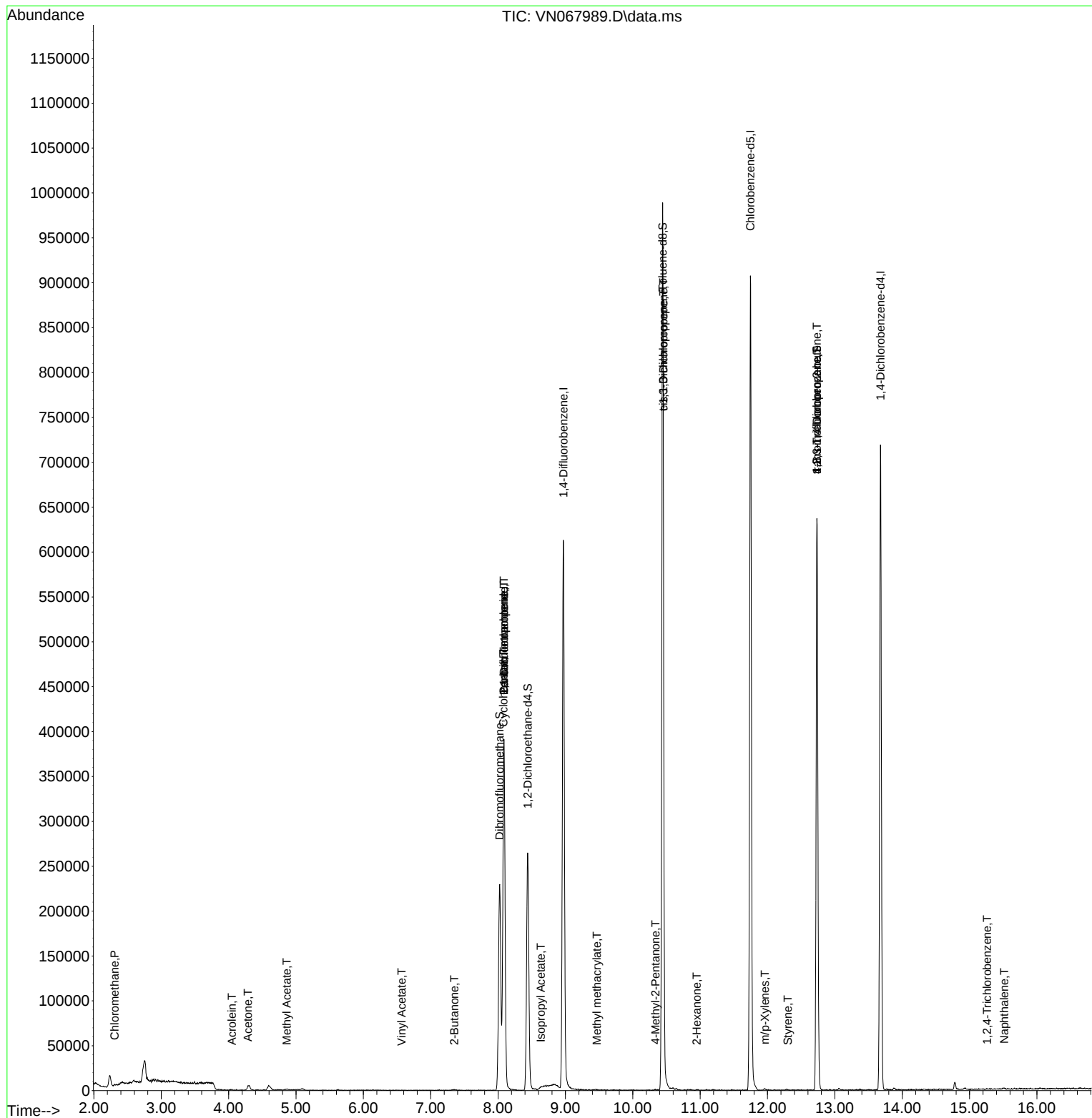
Internal Standards						
1) Pentafluorobenzene	8.088	168	278662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	539959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	526657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	186643	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227494	57.667	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.340%
35) Dibromofluoromethane	8.024	113	167089	53.098	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.200%
50) Toluene-d8	10.443	98	692683	47.874	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.740%
62) 4-Bromofluorobenzene	12.734	95	230669	44.051	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.100%
Target Compounds						
						Qvalue
3) Chloromethane	2.306	50	1151	0.325	ug/l	98
13) Acrolein	4.049	56	287	0.800	ug/l	98
16) Acetone	4.285	43	4136	2.873	ug/l	92
18) Methyl Acetate	4.865	43	1967	0.467	ug/l #	63
20) Methylene Chloride	5.095	84	123	Below Cal	#	8
23) Vinyl Acetate	6.570	43	26	8.803	ug/l #	75
25) 2-Butanone	7.351	43	964	0.462	ug/l #	51
31) Cyclohexane	8.080	56	7652	1.315	ug/l #	15
36) 1,1-Dichloropropene	8.088	75	24705	4.946	ug/l #	51
38) Carbon Tetrachloride	8.088	117	30598	6.229	ug/l #	18
43) Isopropyl Acetate	8.633	43	1761	0.225	ug/l #	58
48) Methyl methacrylate	9.467	41	137	2.338	ug/l #	36
51) 4-Methyl-2-Pentanone	10.336	43	906	12.718	ug/l #	39
53) t-1,3-Dichloropropene	10.454	75	55	2.841	ug/l #	1
54) cis-1,3-Dichloropropene	10.454	75	55	2.363	ug/l #	1
59) 2-Hexanone	10.950	43	182	13.331	ug/l	71
68) m/p-Xylenes	11.961	106	602	4.131	ug/l #	62
70) Styrene	12.302	104	55	2.635	ug/l #	53
76) 1,2,3-Trichloropropane	12.734	75	127790	34.092	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	127790	91.378	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.260	180	93	2.499	ug/l #	12
95) Naphthalene	15.517	128	1347	3.282	ug/l #	74

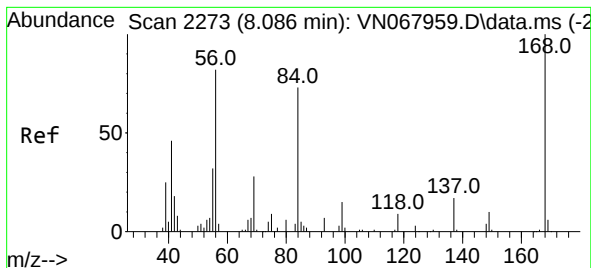
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN067989.D

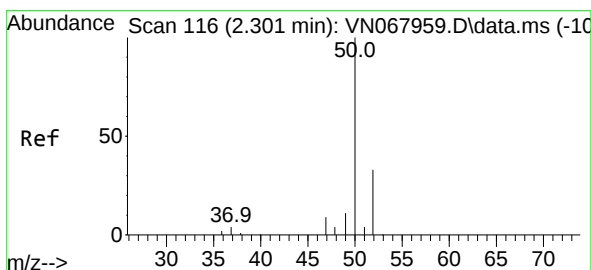
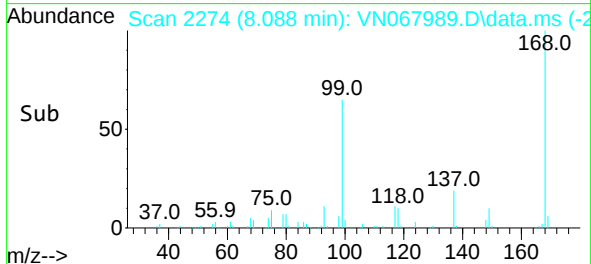
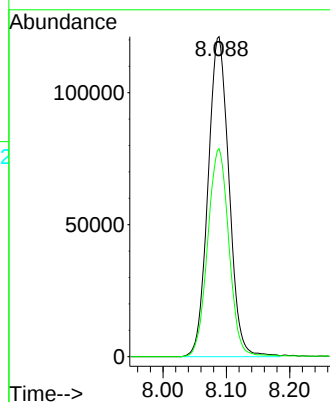
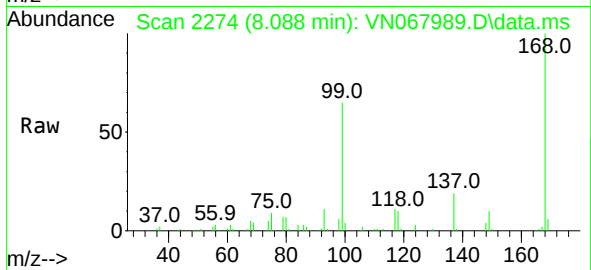
Acq: 3 Aug 2021 18:14

Tgt Ion:168 Resp: 278662

Ion Ratio Lower Upper

168 100

99 65.0 62.9 94.3



#3

Chloromethane

Concen: 0.325 ug/l

RT: 2.306 min Scan# 118

Delta R.T. 0.005 min

Lab File: VN067989.D

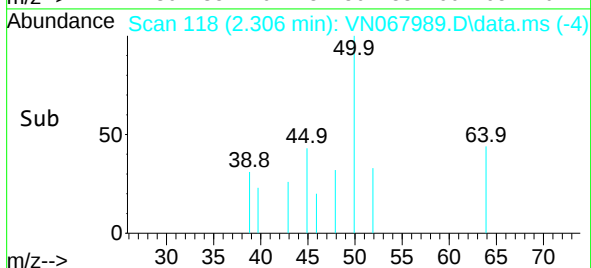
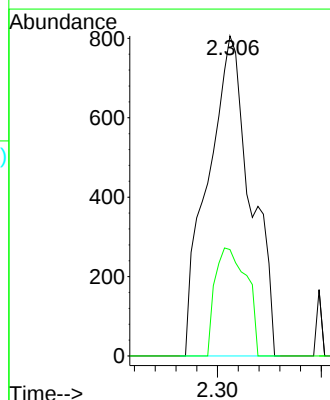
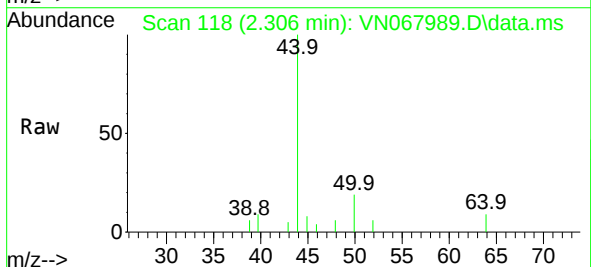
Acq: 3 Aug 2021 18:14

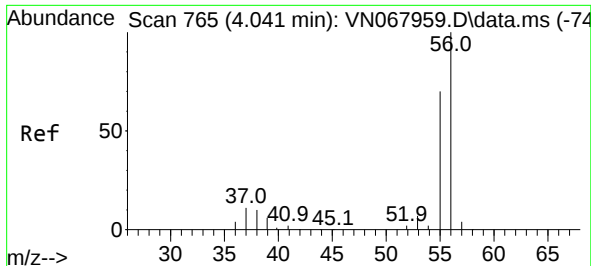
Tgt Ion: 50 Resp: 1151

Ion Ratio Lower Upper

50 100

52 33.3 25.6 38.4

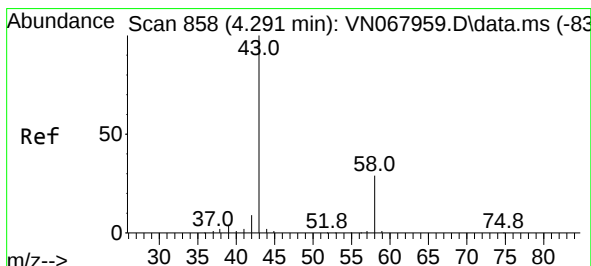
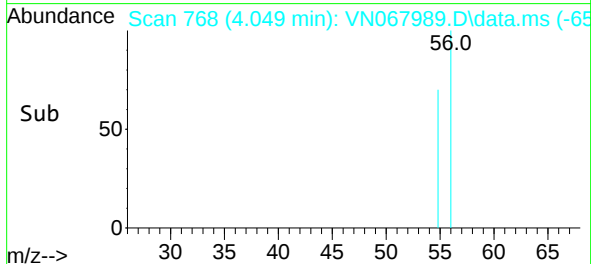
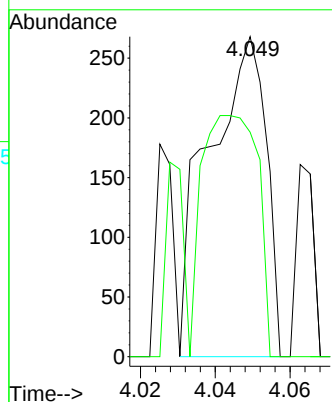
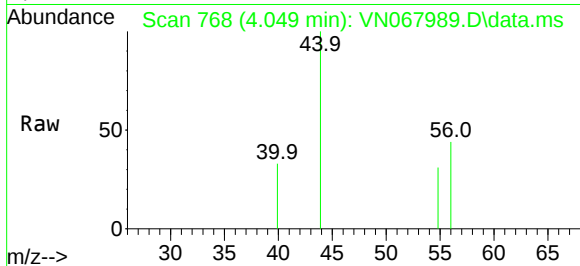




#13
Acrolein
Concen: 0.800 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.008 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

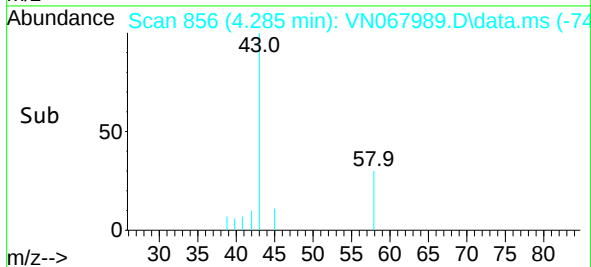
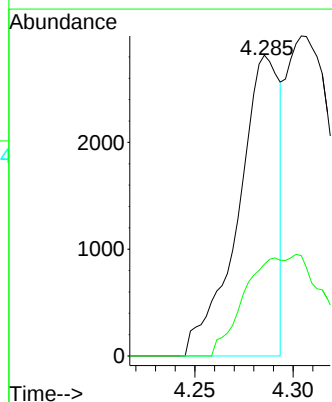
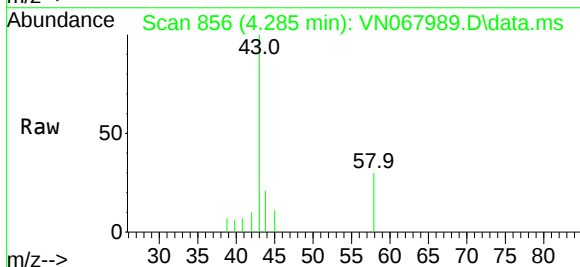
Instrument :
MSVOA_N
ClientSampled :

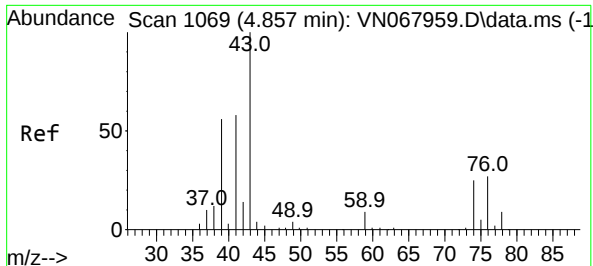
Tgt Ion: 56 Resp: 287
Ion Ratio Lower Upper
56 100
55 73.2 57.4 86.0



#16
Acetone
Concen: 2.873 ug/l
RT: 4.285 min Scan# 856
Delta R.T. -0.006 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

Tgt Ion: 43 Resp: 4136
Ion Ratio Lower Upper
43 100
58 30.5 21.2 31.8





#18

Methyl Acetate

Concen: 0.467 ug/l

RT: 4.865 min Scan# 1072

Delta R.T. 0.008 min

Lab File: VN067989.D

Acq: 3 Aug 2021 18:14

Tgt Ion: 43 Resp: 1967

Ion Ratio Lower Upper

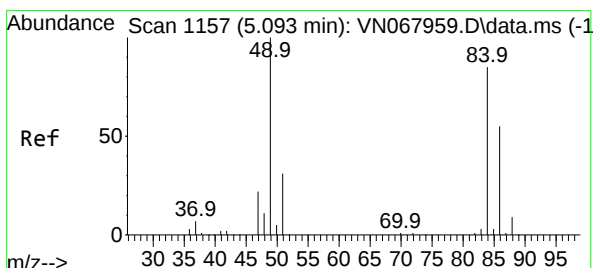
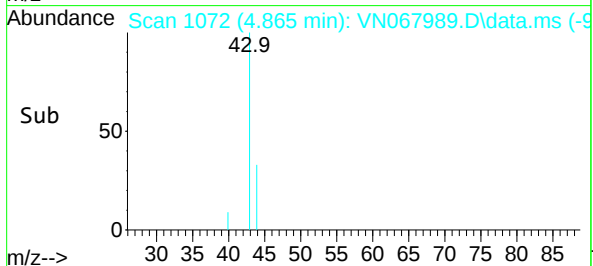
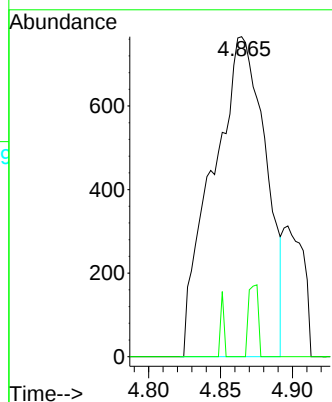
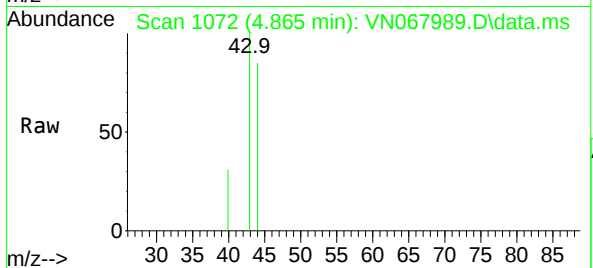
43 100

74 4.1 17.4 26.0#

Instrument :

MSVOA_N

ClientSampleId :



#20

Methylene Chloride

Concen: Below Cal

RT: 5.095 min Scan# 1158

Delta R.T. 0.002 min

Lab File: VN067989.D

Acq: 3 Aug 2021 18:14

Tgt Ion: 84 Resp: 123

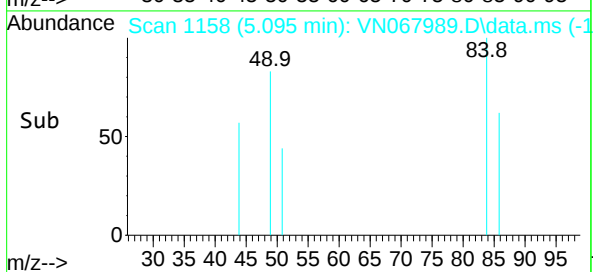
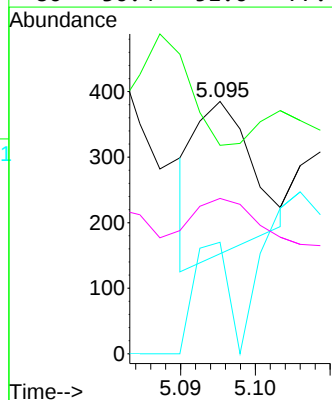
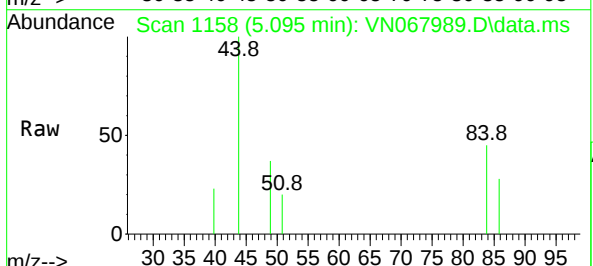
Ion Ratio Lower Upper

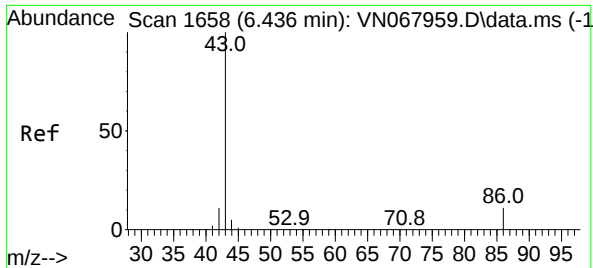
84 100

49 0.0 110.9 166.3#

51 104.9 32.6 49.0#

86 36.4 51.6 77.4#

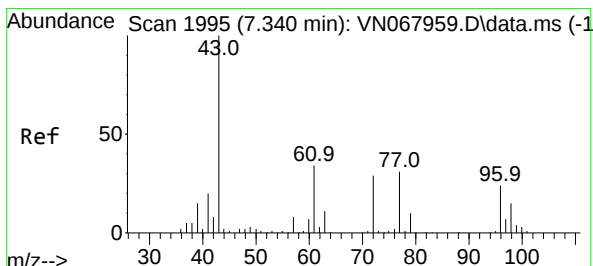
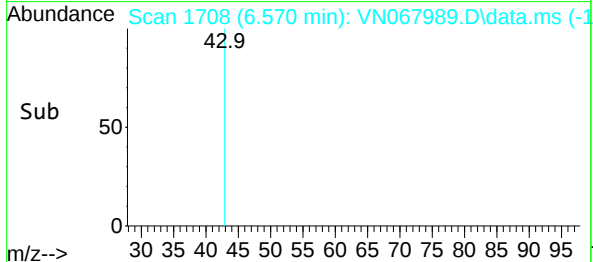
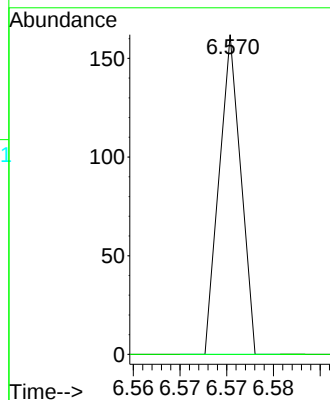
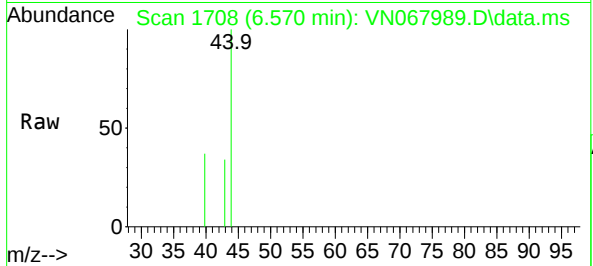




#23
 Vinyl Acetate
 Concen: 8.803 ug/l
 RT: 6.570 min Scan# 1708
 Delta R.T. 0.134 min
 Lab File: VN067989.D
 Acq: 3 Aug 2021 18:14

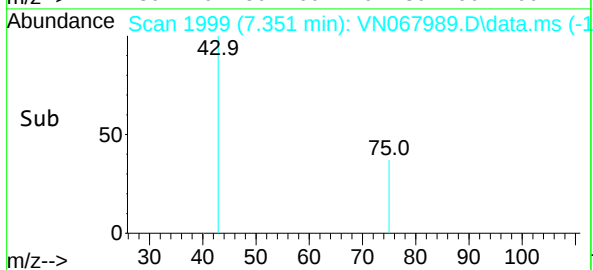
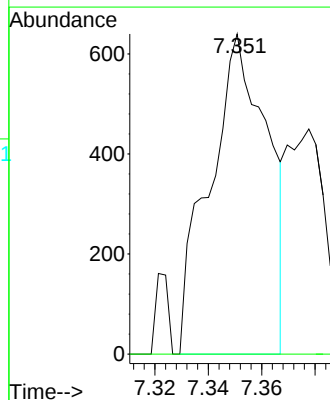
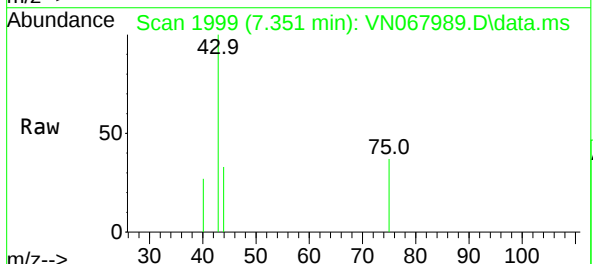
Instrument :
 MSVOA_N
 ClientSampled :

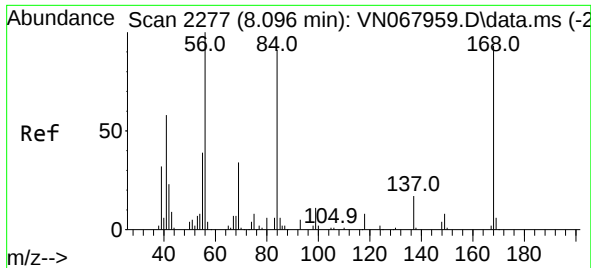
Tgt Ion: 43 Resp: 26
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.3 10.9#



#25
 2-Butanone
 Concen: 0.462 ug/l
 RT: 7.351 min Scan# 1999
 Delta R.T. 0.011 min
 Lab File: VN067989.D
 Acq: 3 Aug 2021 18:14

Tgt Ion: 43 Resp: 964
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.7 29.5#

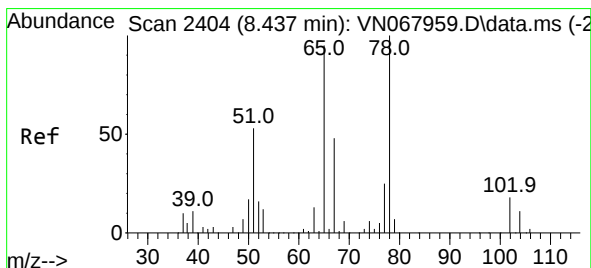
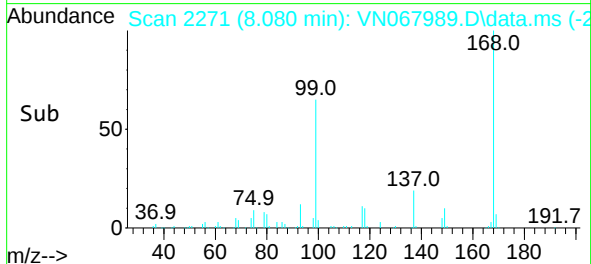
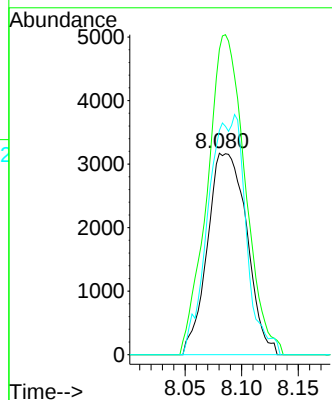
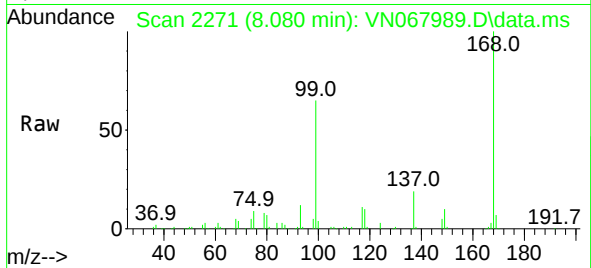




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.016 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

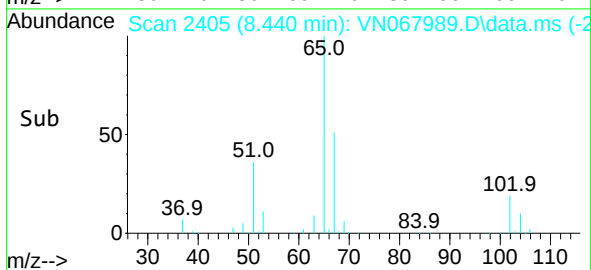
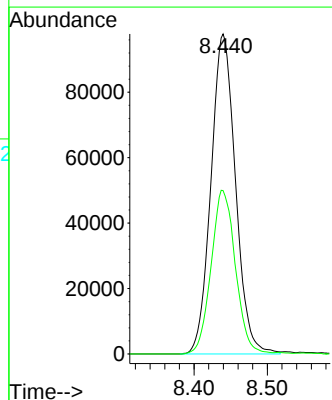
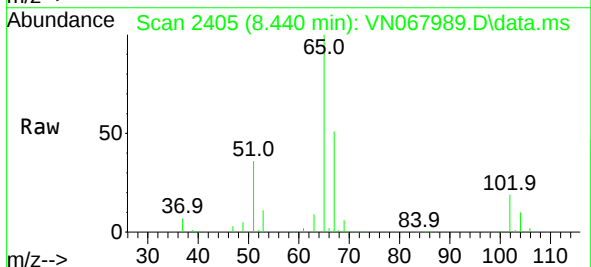
Instrument :
MSVOA_N
ClientSampled :

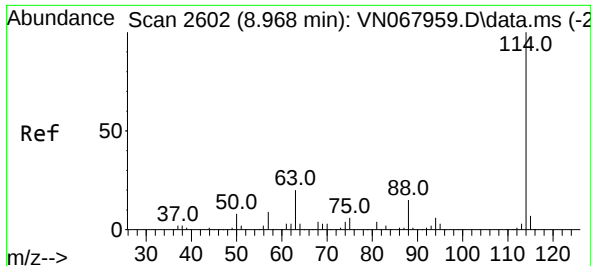
Tgt Ion: 56 Resp: 7652
Ion Ratio Lower Upper
56 100
69 151.6 27.3 40.9#
84 111.4 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 57.667 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

Tgt Ion: 65 Resp: 227494
Ion Ratio Lower Upper
65 100
67 50.6 0.0 98.6

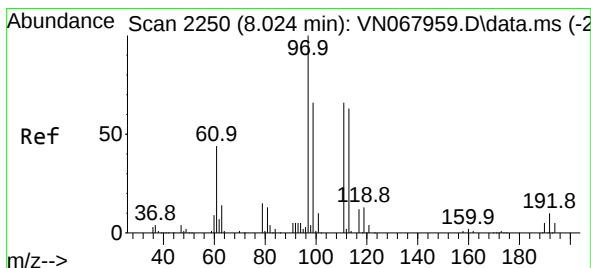
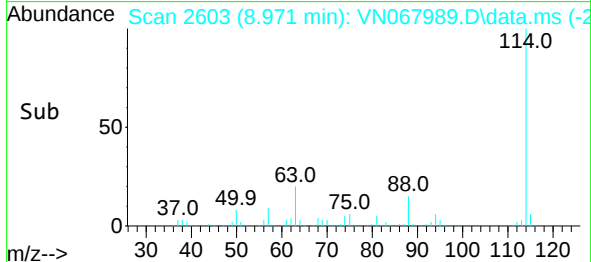
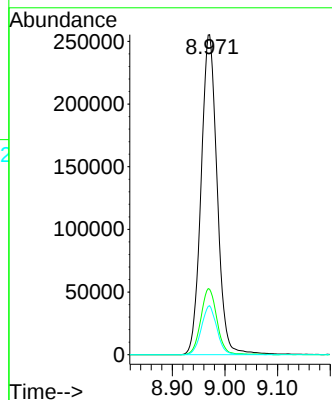
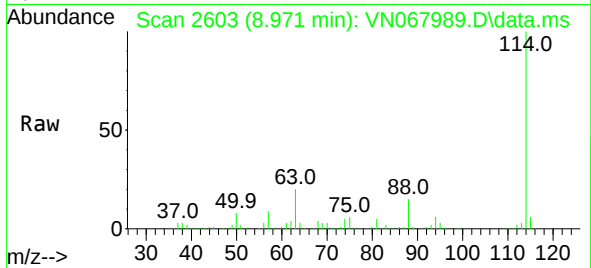




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

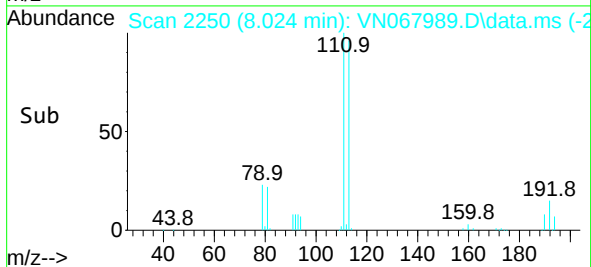
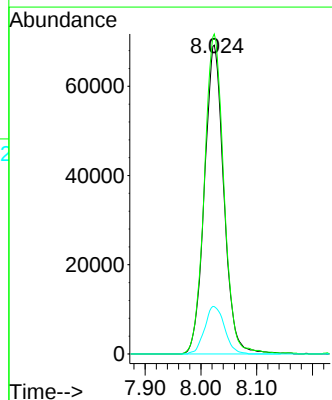
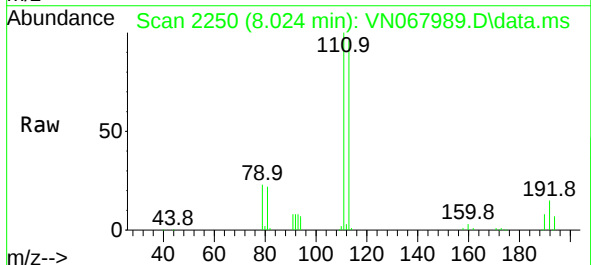
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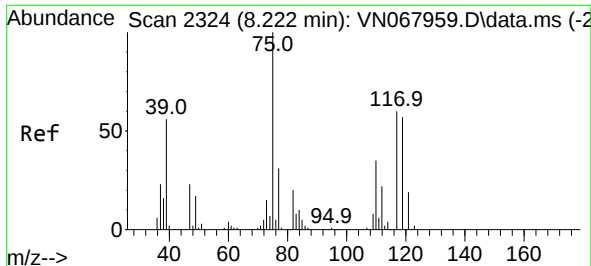
Tgt Ion:114 Resp: 539959
Ion Ratio Lower Upper
114 100
63 20.4 0.0 49.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.098 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

Tgt Ion:113 Resp: 167089
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.8
192 15.8 13.4 20.0

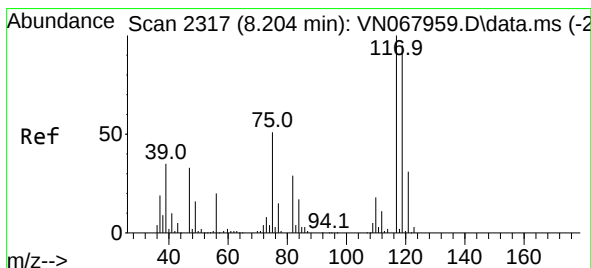
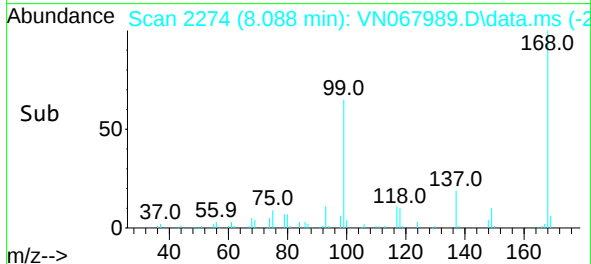
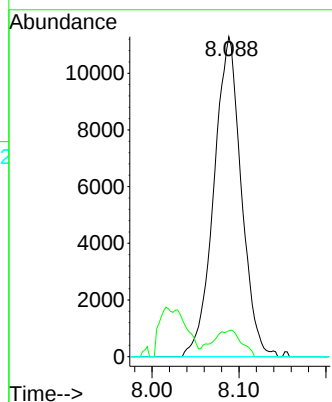
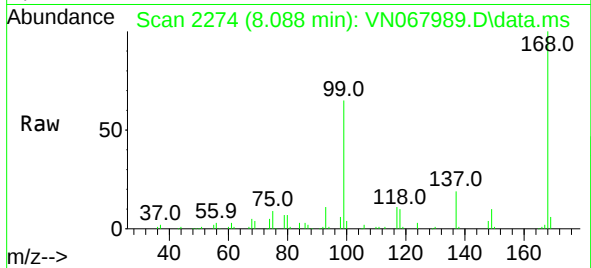




#36
1,1-Dichloropropene
Concen: 4.946 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

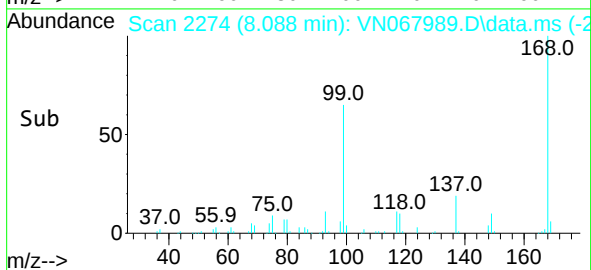
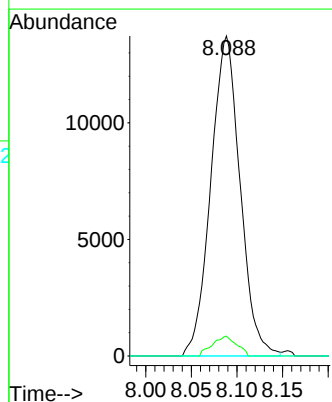
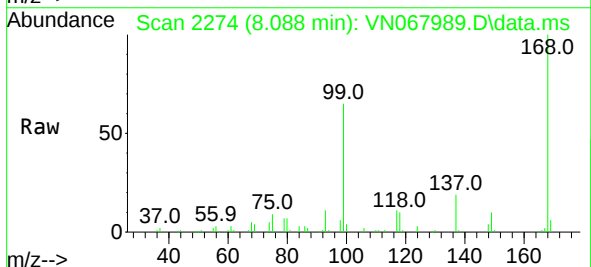
Instrument :
MSVOA_N
ClientSampled :

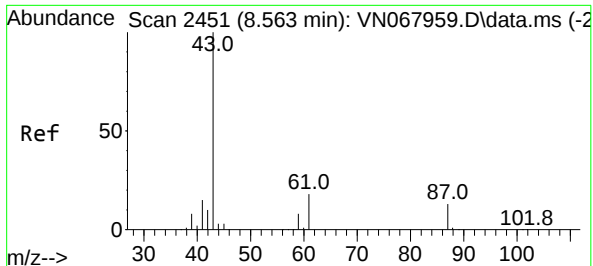
Tgt Ion: 75 Resp: 24705
Ion Ratio Lower Upper
75 100
110 8.7 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.229 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

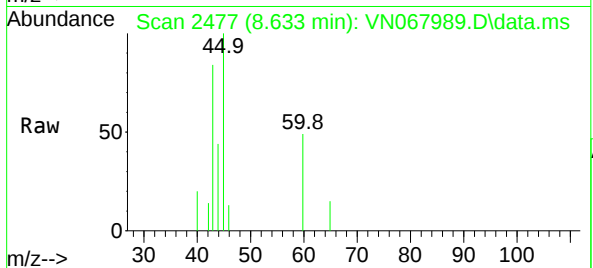
Tgt Ion: 117 Resp: 30598
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.2#
121 0.0 23.5 35.3#



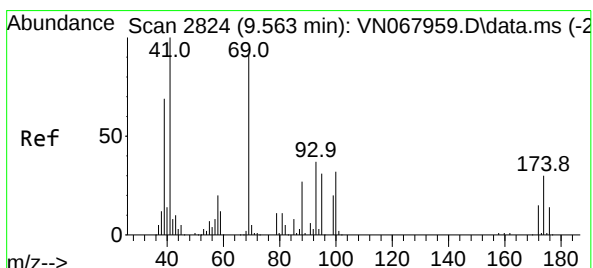
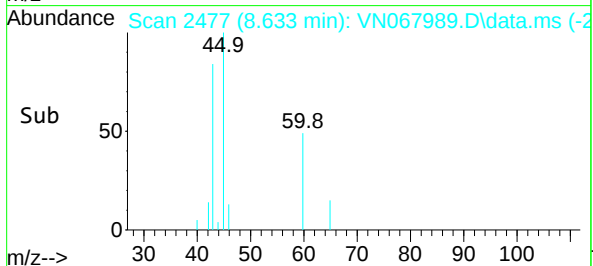
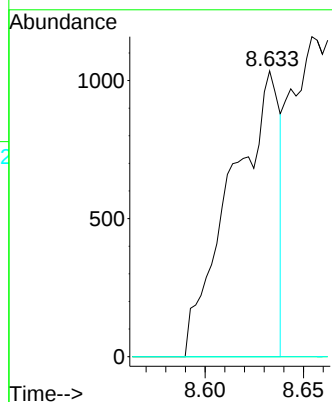


#43
Isopropyl Acetate
Concen: 0.225 ug/l
RT: 8.633 min Scan# 2477
Delta R.T. 0.070 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

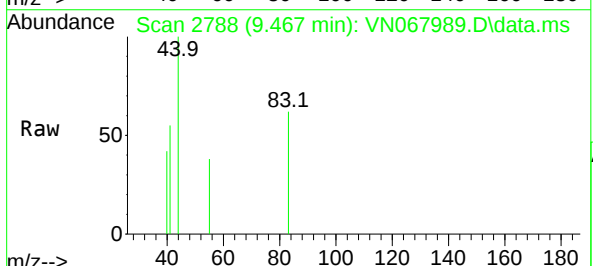
Instrument :
MSVOA_N
ClientSampled :



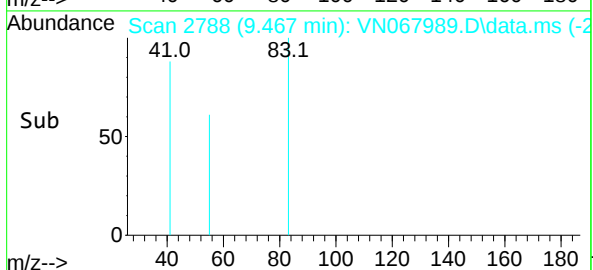
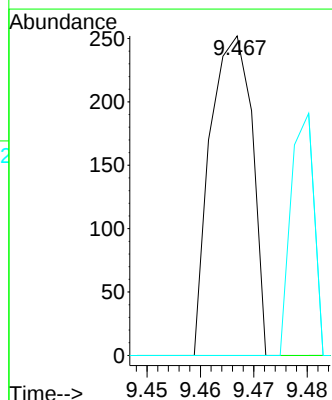
Tgt Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

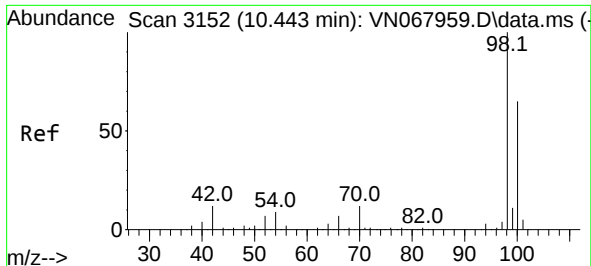


#48
Methyl methacrylate
Concen: 2.338 ug/l
RT: 9.467 min Scan# 2788
Delta R.T. -0.096 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14



Tgt Ion: 41 Resp: 137
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 41.6 53.3 79.9#

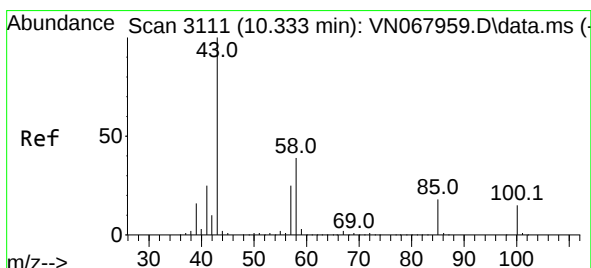
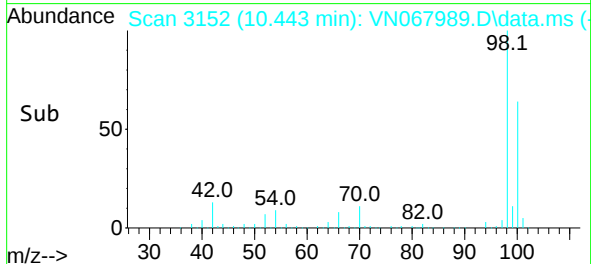
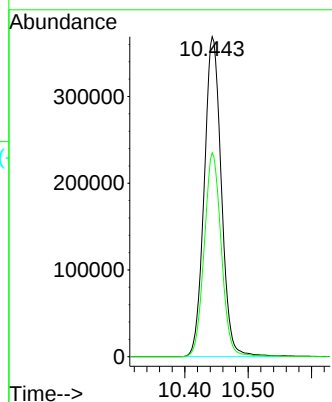
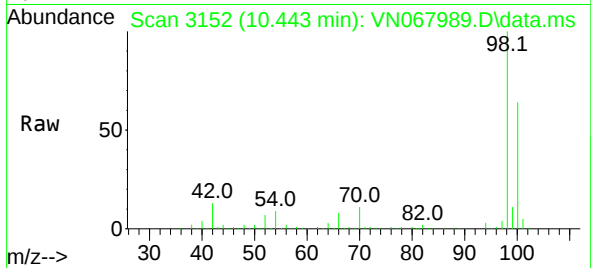




#50
Toluene-d8
Concen: 47.874 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

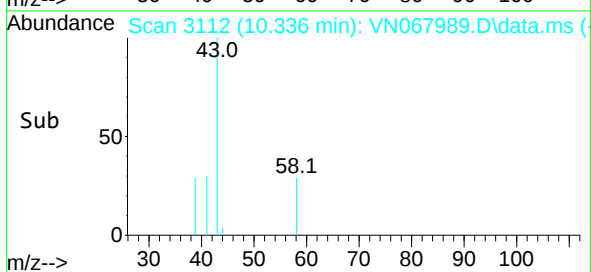
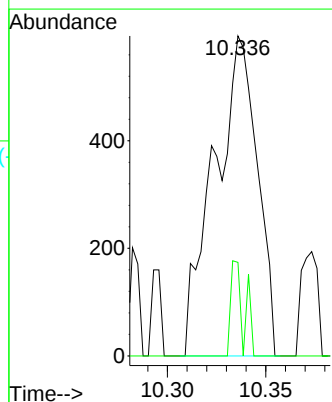
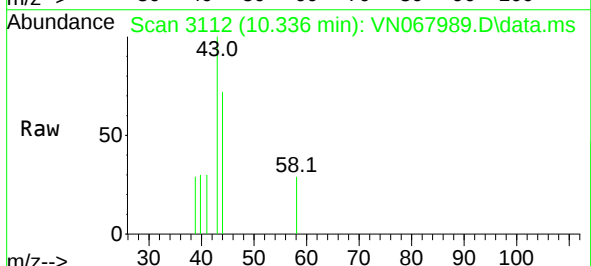
Instrument :
MSVOA_N
ClientSampled :

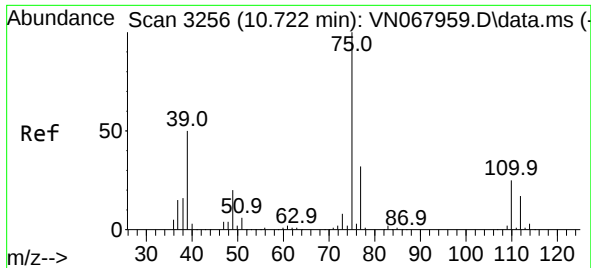
Tgt Ion: 98 Resp: 692683
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.718 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

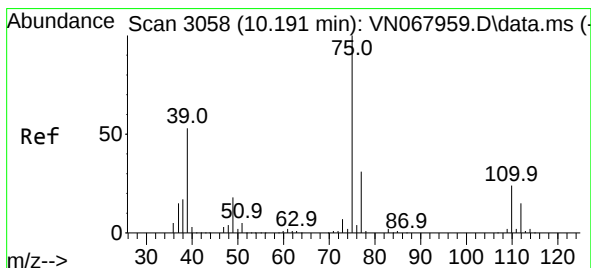
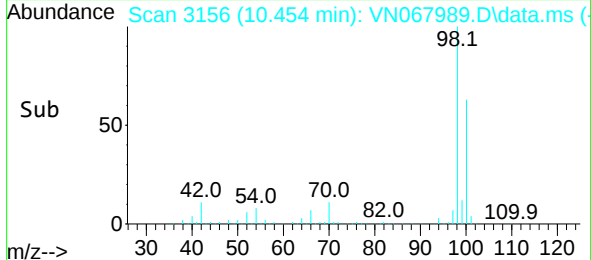
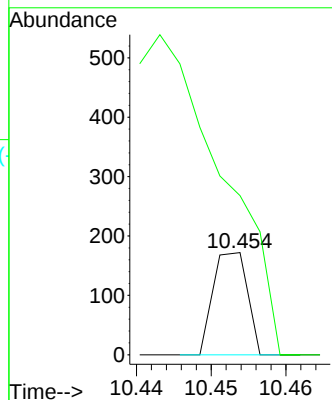
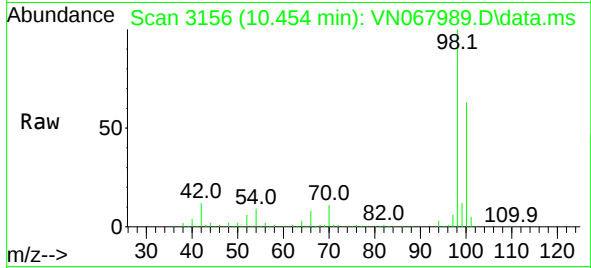




#53
t-1,3-Dichloropropene
Concen: 2.841 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.268 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

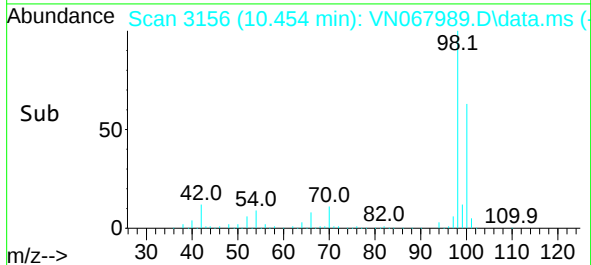
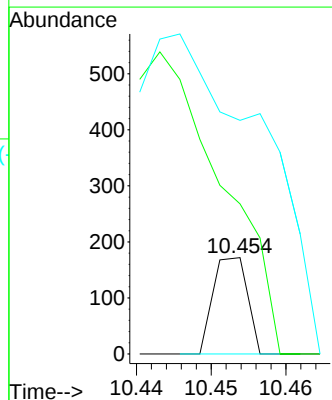
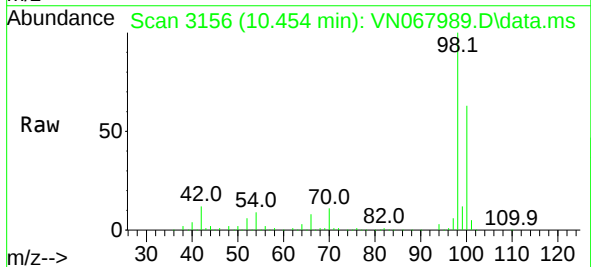
Instrument :
MSVOA_N
ClientSampled :

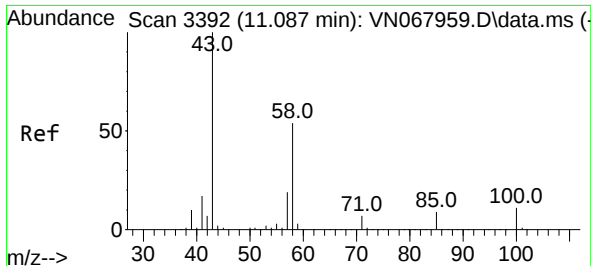
Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
77 155.8 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.363 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. 0.263 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
77 155.8 24.6 37.0#
39 33.1 50.7 76.1#

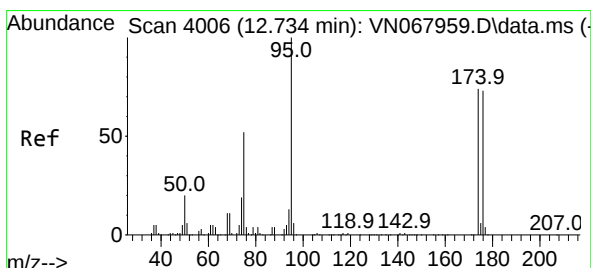
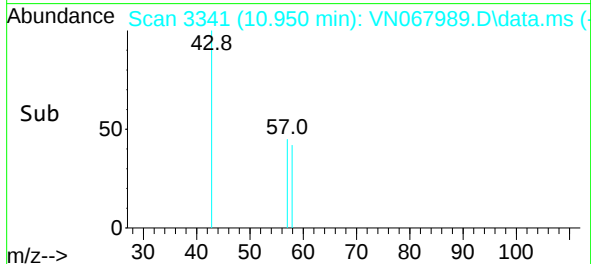
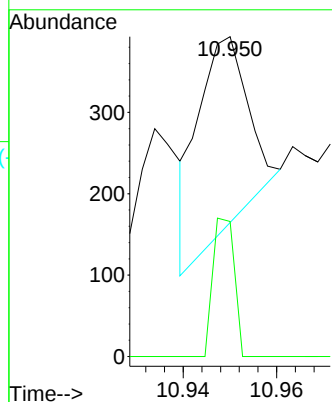
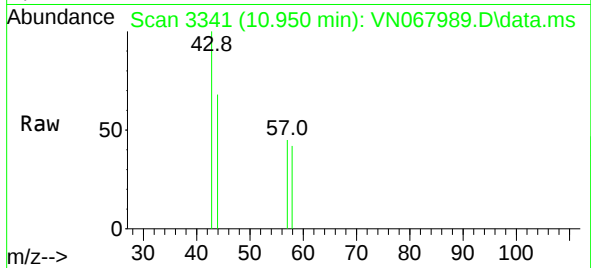




#59
2-Hexanone
Concen: 13.331 ug/l
RT: 10.950 min Scan# 3341
Delta R.T. -0.137 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

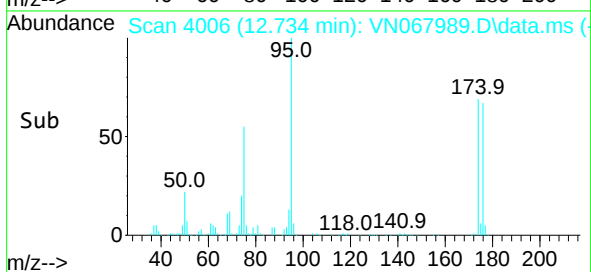
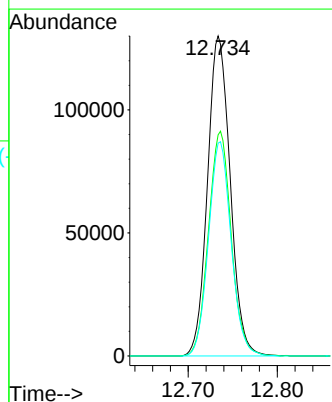
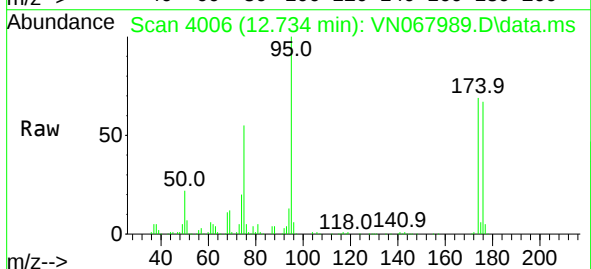
Instrument :
MSVOA_N
ClientSampled :

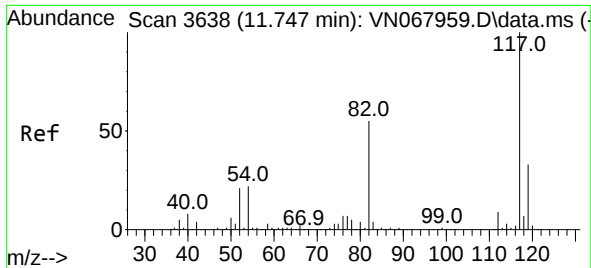
Tgt Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
58 29.7 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 44.051 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

Tgt Ion: 95 Resp: 230669
Ion Ratio Lower Upper
95 100
174 70.5 0.0 122.0
176 66.7 0.0 117.6

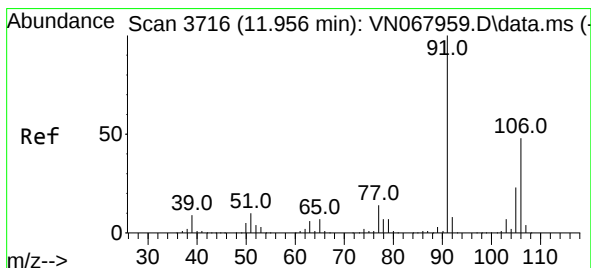
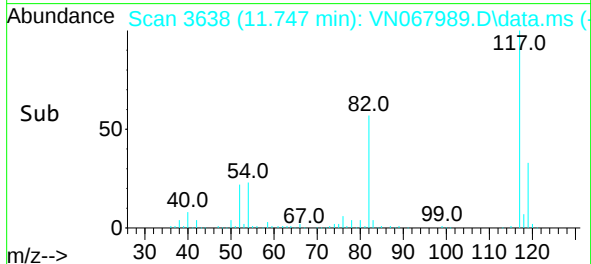
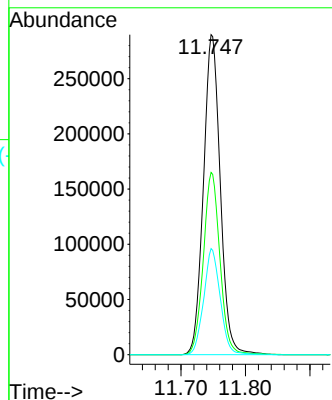
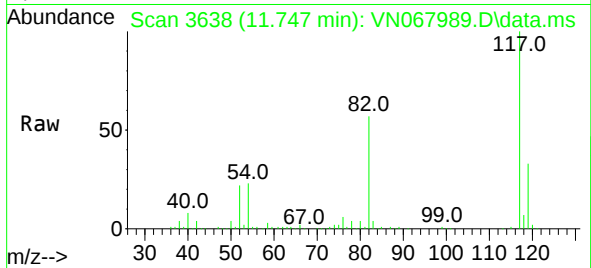




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

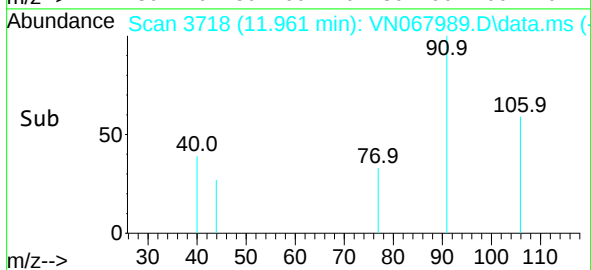
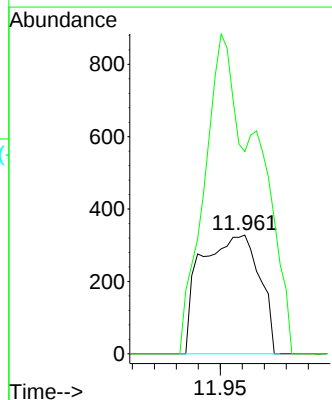
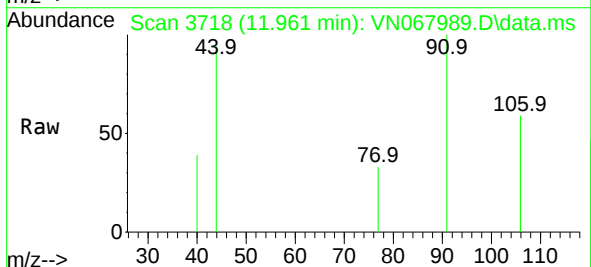
Instrument :
MSVOA_N
ClientSampled :

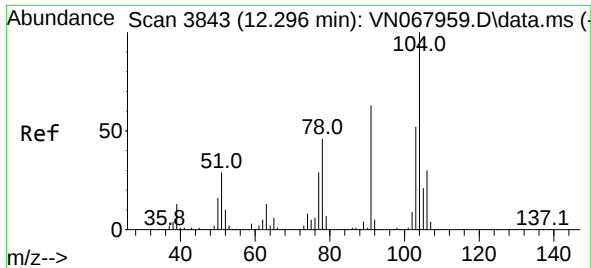
Tgt Ion:117 Resp: 526657
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 33.2 25.5 38.3



#68
m/p-Xylenes
Concen: 4.131 ug/l
RT: 11.961 min Scan# 3718
Delta R.T. 0.005 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

Tgt Ion:106 Resp: 602
Ion Ratio Lower Upper
106 100
91 163.6 180.6 270.8#

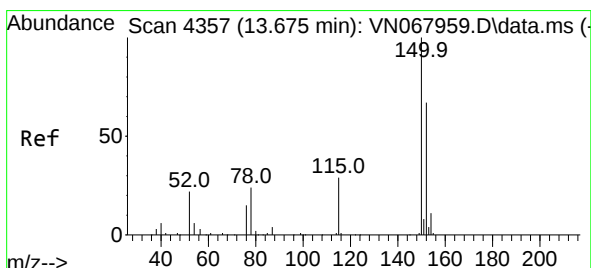
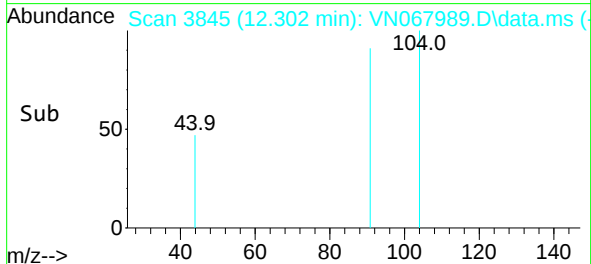
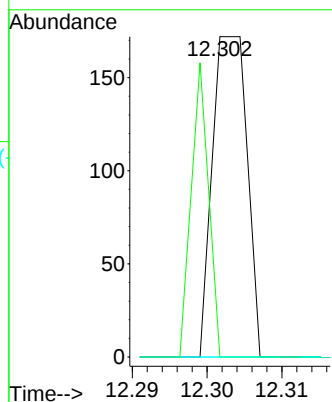
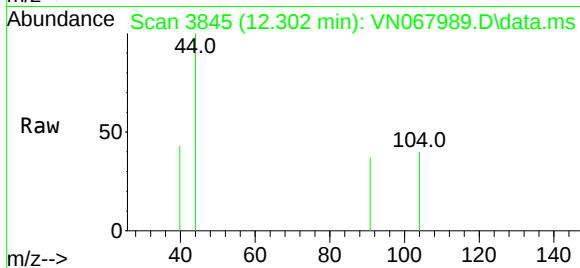




#70
Styrene
Concen: 2.635 ug/l
RT: 12.302 min Scan# 3845
Delta R.T. 0.006 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

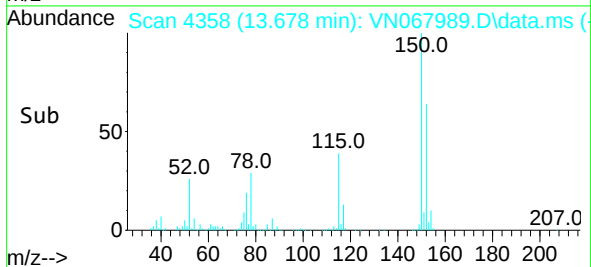
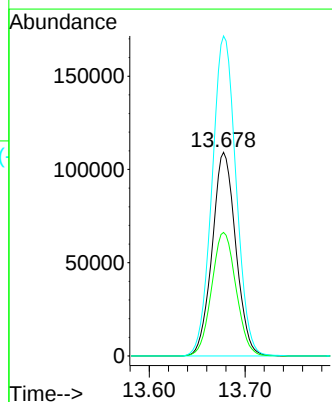
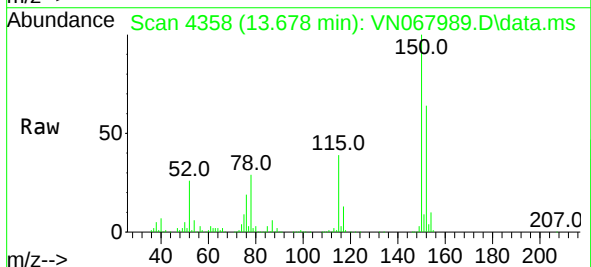
Instrument :
MSVOA_N
ClientSampled :

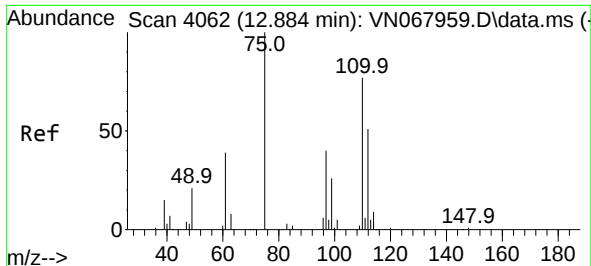
Tgt Ion:104 Resp: 55
Ion Ratio Lower Upper
104 100
78 45.5 48.2 72.2#
103 0.0 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

Tgt Ion:152 Resp: 186643
Ion Ratio Lower Upper
152 100
115 62.9 36.1 108.5
150 160.2 0.0 351.8

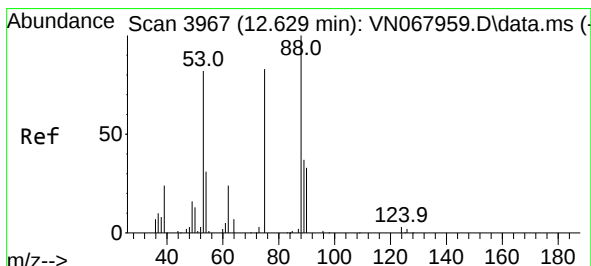
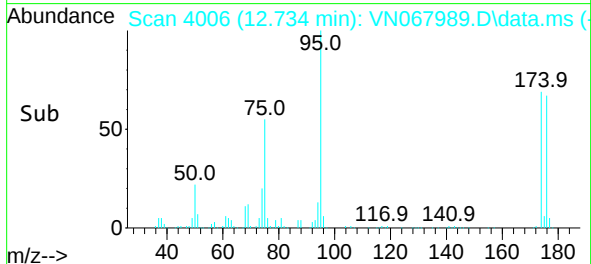
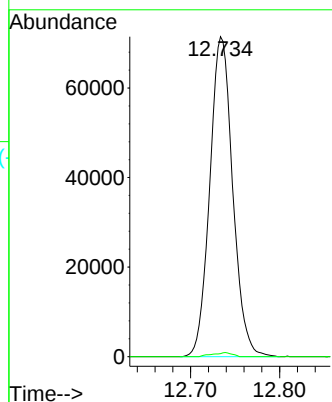
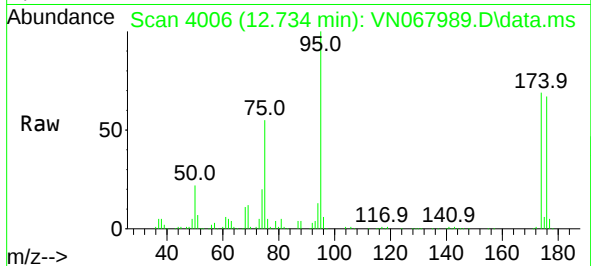




#76
1,2,3-Trichloropropane
Concen: 34.092 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

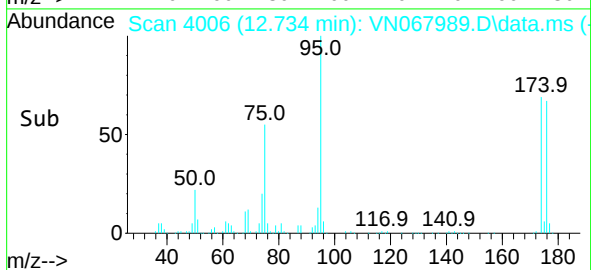
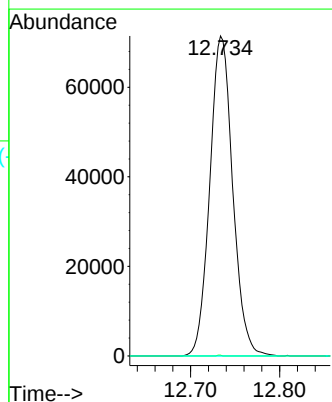
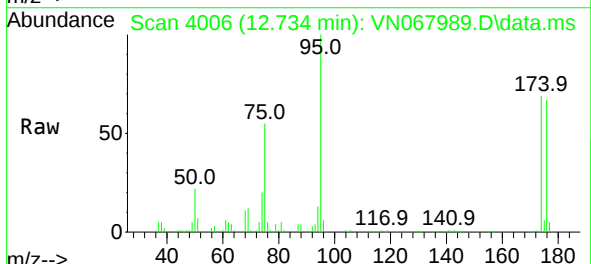
Instrument :
MSVOA_N
ClientSampled :

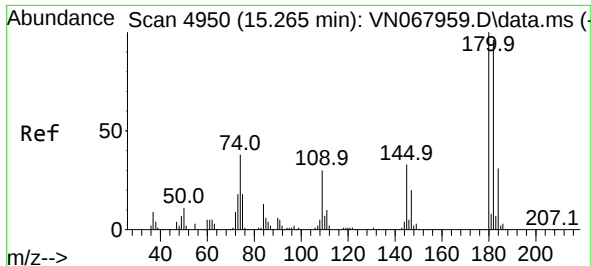
Tgt Ion: 75 Resp: 127790
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.378 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

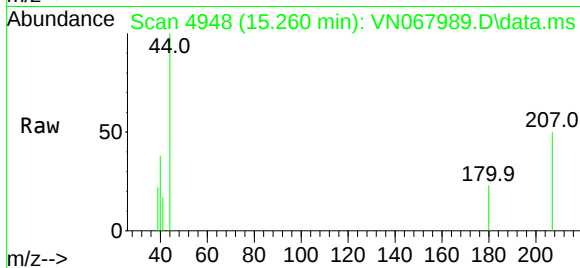
Tgt Ion: 75 Resp: 127790
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



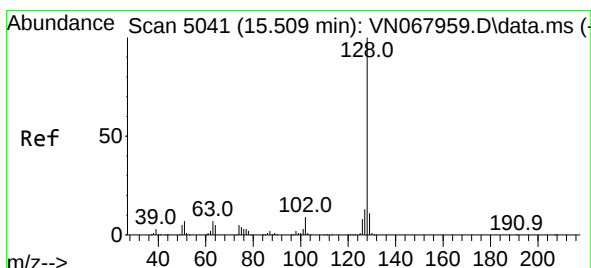
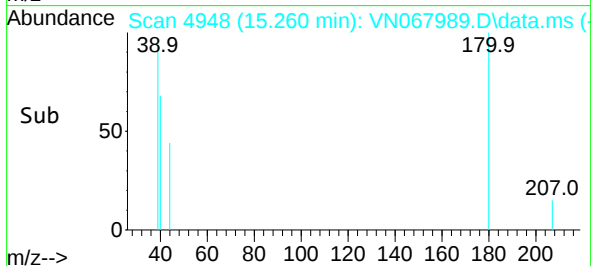
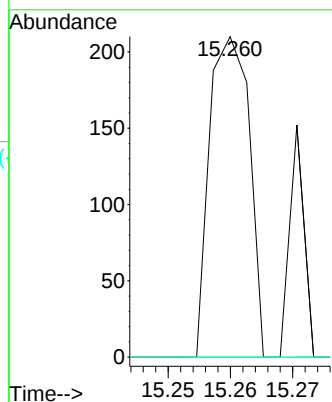


#93
1,2,4-Trichlorobenzene
Concen: 2.499 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14

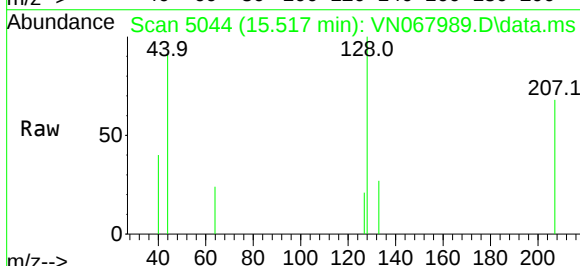
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:180 Resp: 93
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.282 ug/l
RT: 15.517 min Scan# 5044
Delta R.T. 0.008 min
Lab File: VN067989.D
Acq: 3 Aug 2021 18:14



Tgt Ion:128 Resp: 1347
Ion Ratio Lower Upper
128 100
127 3.6 10.6 15.8#
129 0.0 8.6 12.8#

