

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068103.D
 Acq On : 12 Aug 2021 20:46
 Operator : JC/MD
 Sample : M3361-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 05:47:44 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

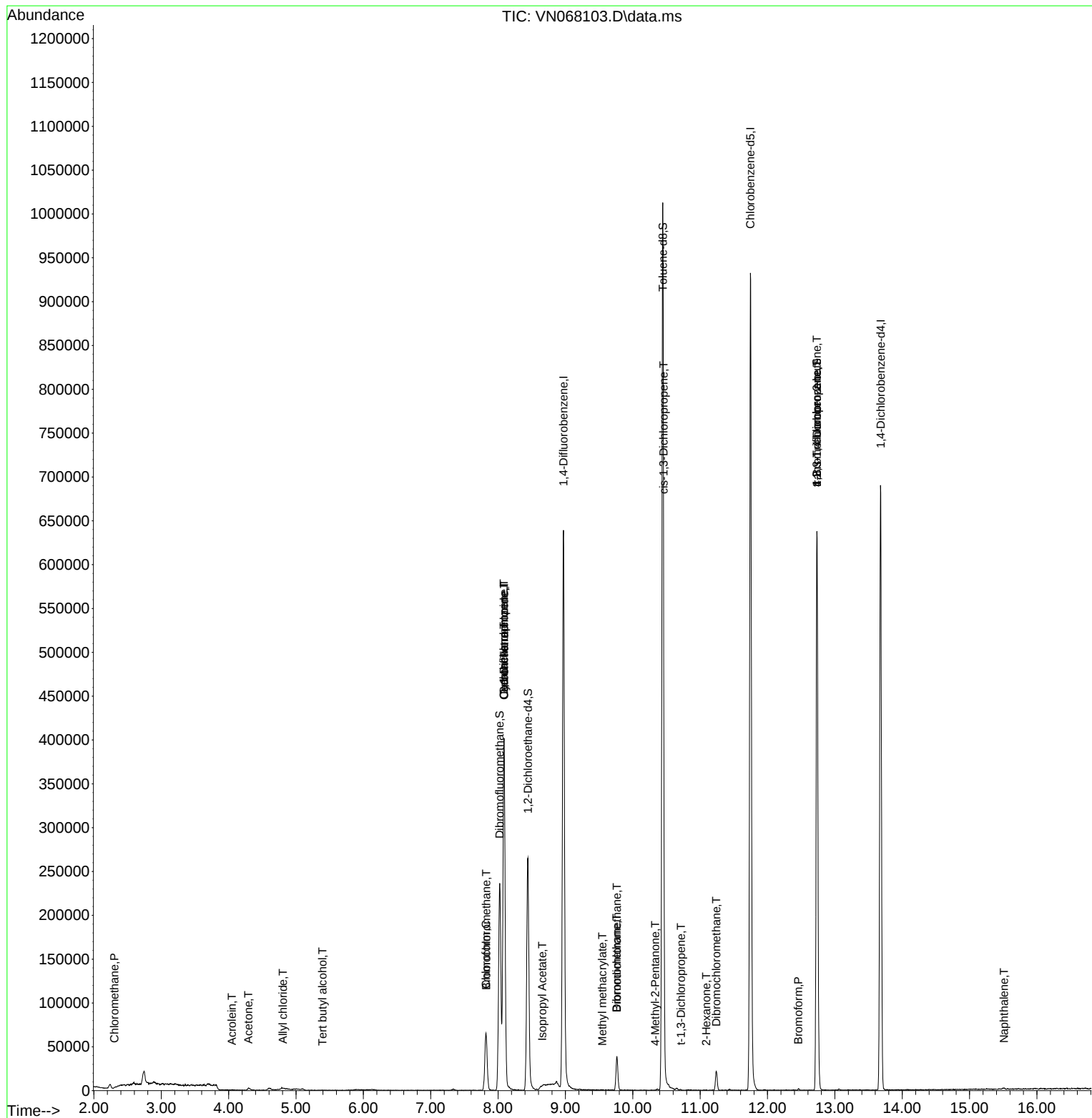
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	287941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	561977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	548718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	186506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	226409	55.543	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 111.080%		
35) Dibromofluoromethane	8.024	113	173473	52.967	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 105.940%		
50) Toluene-d8	10.446	98	713188	47.402	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 94.800%		
62) 4-Bromofluorobenzene	12.734	95	232917	42.886	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 85.780%		
Target Compounds						Qvalue
3) Chloromethane	2.303	50	756	0.206	ug/l #	77
11) Tert butyl alcohol	5.393	59	272	0.498	ug/l #	71
13) Acrolein	4.047	56	150	0.405	ug/l #	14
14) Allyl chloride	4.806	41	1609	0.347	ug/l #	30
16) Acetone	4.293	43	4125	2.773	ug/l	93
20) Methylene Chloride	5.087	84	556	Below Cal	#	18
28) Bromochloromethane	7.823	49	5480	1.930	ug/l #	22
30) Chloroform	7.820	83	64332	9.758	ug/l	99
31) Cyclohexane	8.086	56	7437	1.237	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	25777	4.959	ug/l #	52
38) Carbon Tetrachloride	8.091	117	32241	6.307	ug/l #	16
43) Isopropyl Acetate	8.657	43	4363	0.535	ug/l #	58
46) Dibromomethane	9.762	93	760	0.274	ug/l #	10
47) Bromodichloromethane	9.765	83	26353	4.988	ug/l	98
48) Methyl methacrylate	9.547	41	115	2.332	ug/l #	12
51) 4-Methyl-2-Pentanone	10.333	43	135	12.588	ug/l #	39
53) t-1,3-Dichloropropene	10.714	75	51	2.840	ug/l #	43
54) cis-1,3-Dichloropropene	10.457	75	57	2.363	ug/l #	41
59) 2-Hexanone	11.089	43	234	13.341	ug/l #	28
60) Dibromochloromethane	11.240	129	12715	5.755	ug/l	94
71) Bromoform	12.457	173	802	4.241	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	125282	33.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	125282	89.719	ug/l #	6
95) Naphthalene	15.512	128	1268	3.273	ug/l #	87

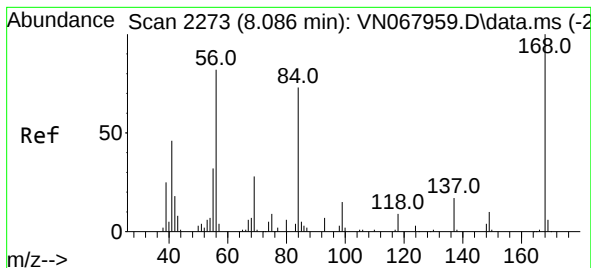
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068103.D

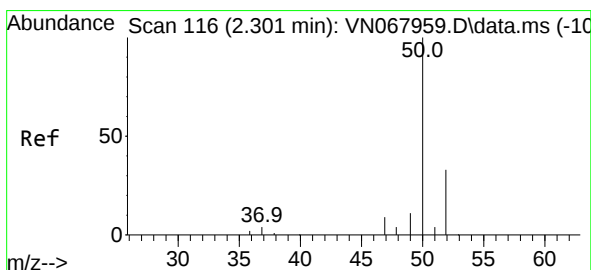
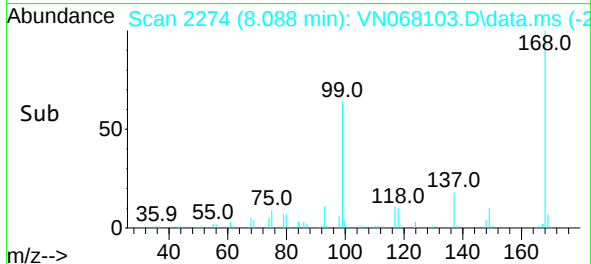
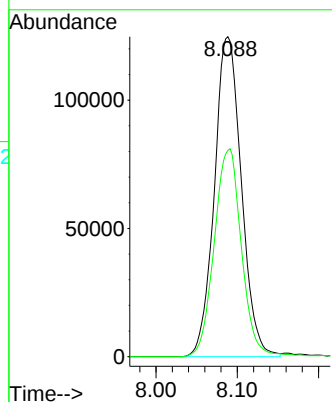
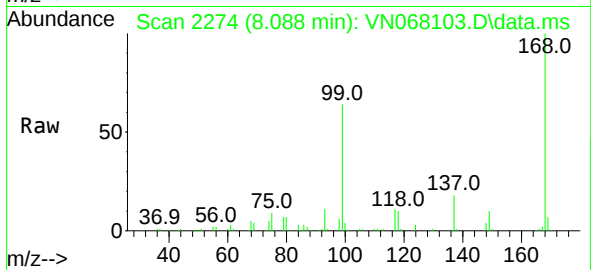
Acq: 12 Aug 2021 20:46

Tgt Ion:168 Resp: 287941

Ion Ratio Lower Upper

168 100

99 64.5 62.9 94.3



#3

Chloromethane

Concen: 0.206 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

Lab File: VN068103.D

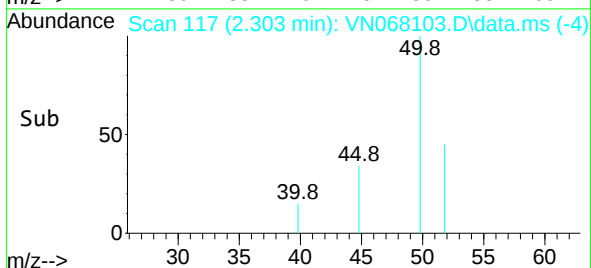
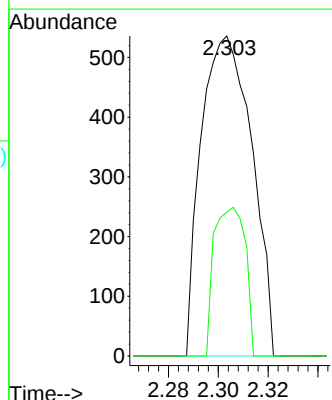
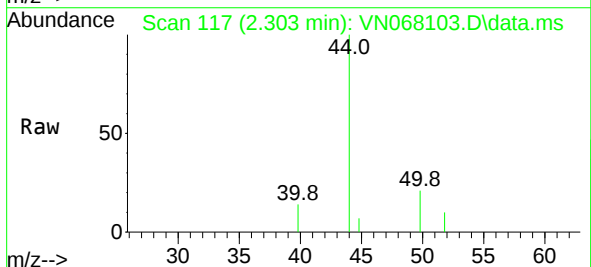
Acq: 12 Aug 2021 20:46

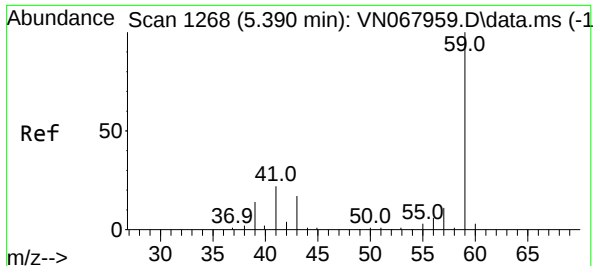
Tgt Ion: 50 Resp: 756

Ion Ratio Lower Upper

50 100

52 45.0 25.6 38.4#



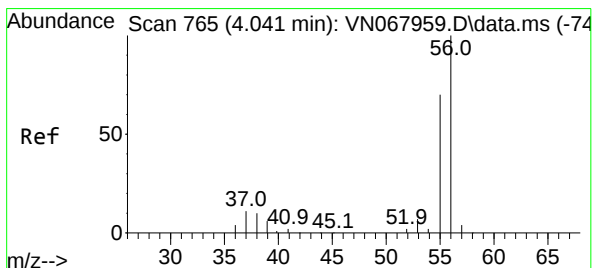
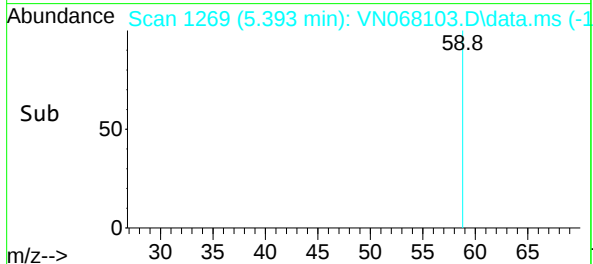
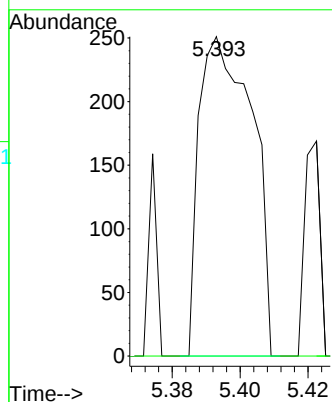
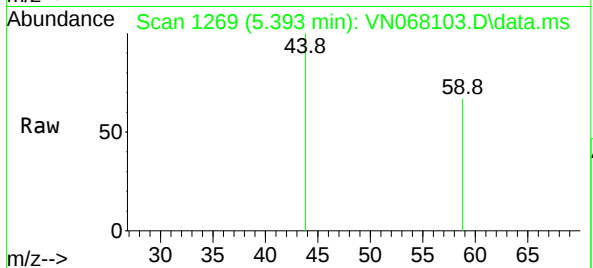


#11

Tert butyl alcohol
Concen: 0.498 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Instrument :
MSVOA_N
ClientSampled :

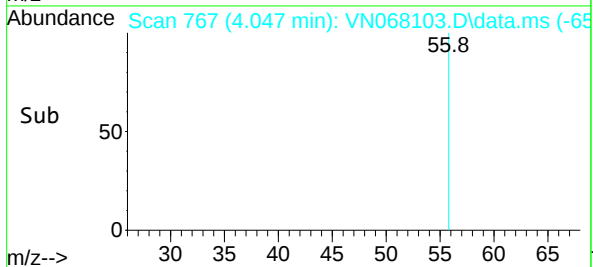
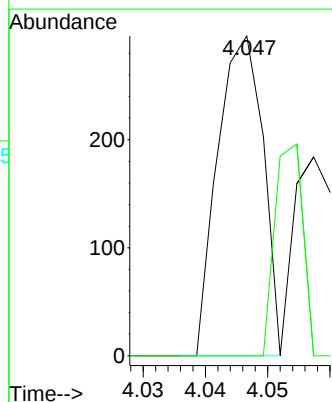
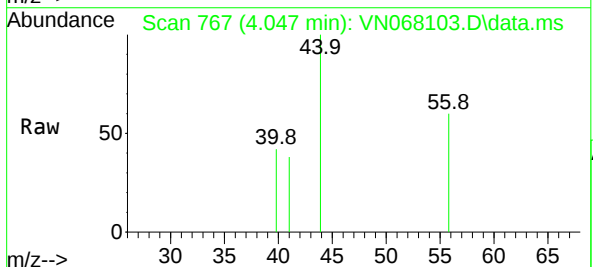
Tgt Ion: 59 Resp: 272
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

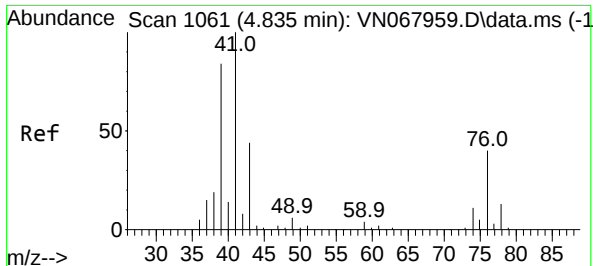


#13

Acrolein
Concen: 0.405 ug/l
RT: 4.047 min Scan# 767
Delta R.T. 0.006 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Tgt Ion: 56 Resp: 150
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

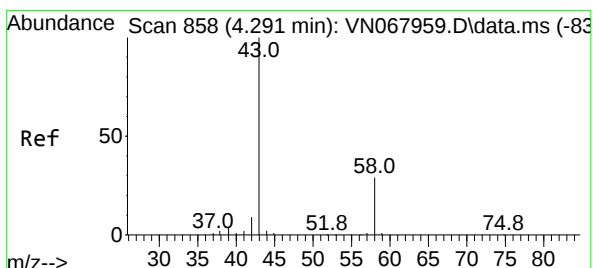
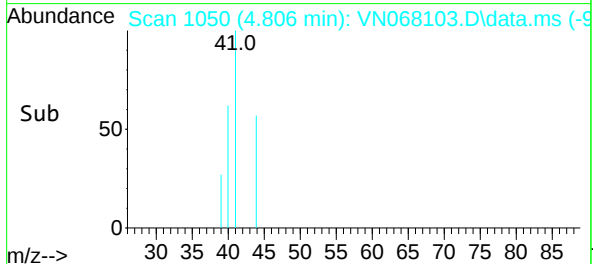
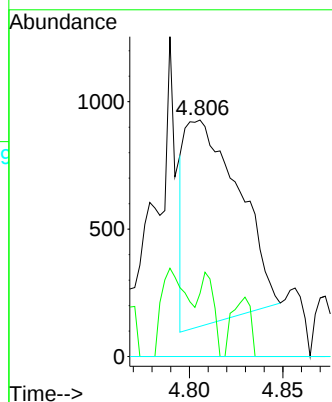
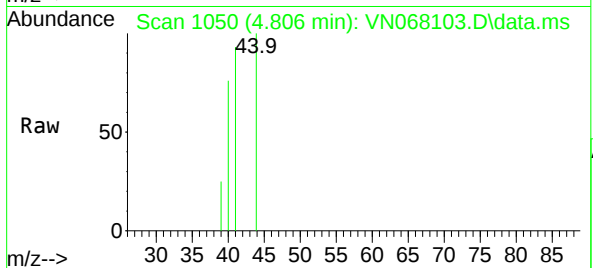




#14
Allyl chloride
Concen: 0.347 ug/l
RT: 4.806 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

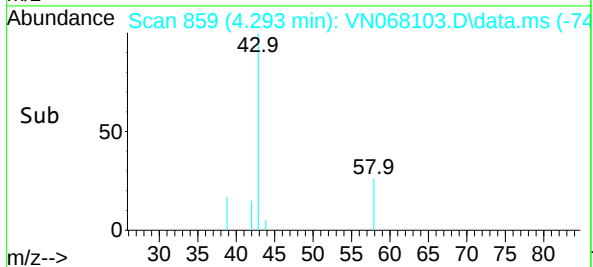
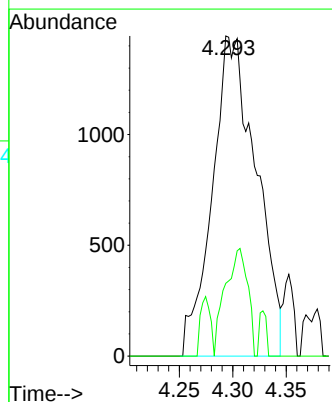
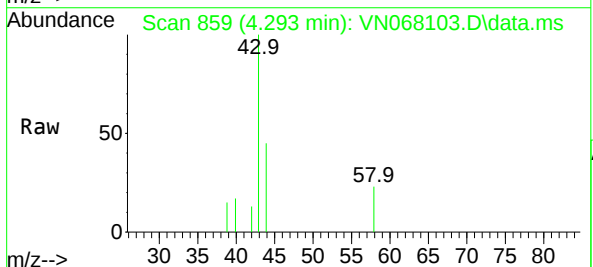
Instrument :
MSVOA_N
ClientSampled :

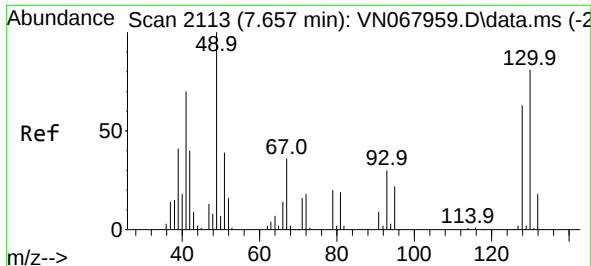
Tgt Ion: 41 Resp: 1609
Ion Ratio Lower Upper
41 100
39 10.8 60.9 91.3#
76 0.0 24.3 36.5#



#16
Acetone
Concen: 2.773 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Tgt Ion: 43 Resp: 4125
Ion Ratio Lower Upper
43 100
58 22.7 21.2 31.8

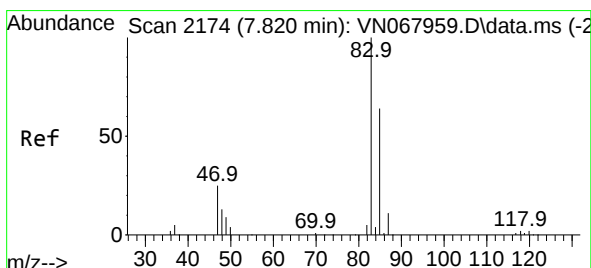
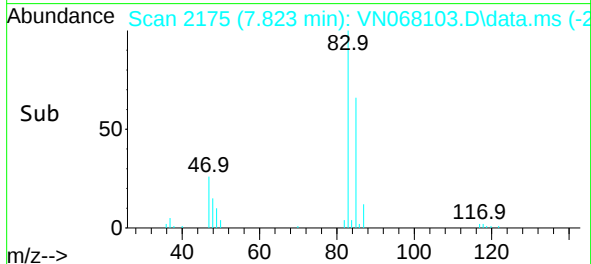
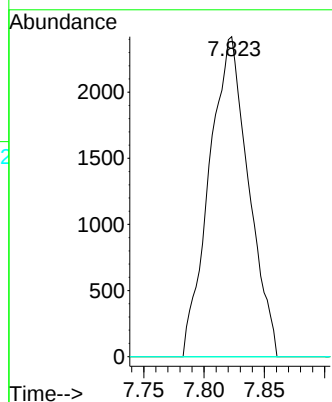
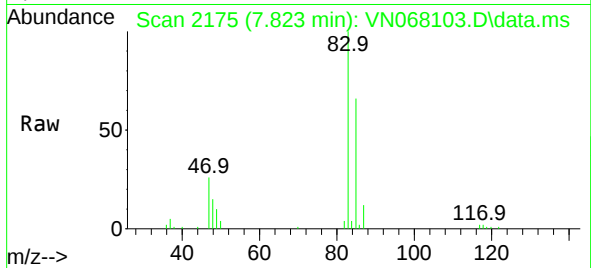




#28
Bromochloromethane
Concen: 1.930 ug/l
RT: 7.823 min Scan# 2175
Delta R.T. 0.166 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

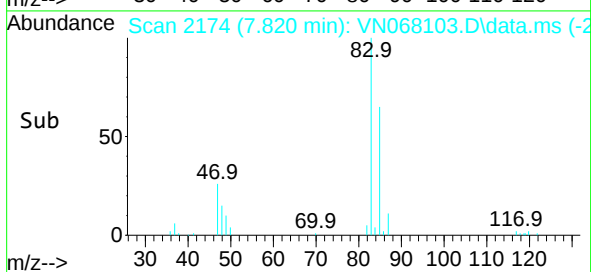
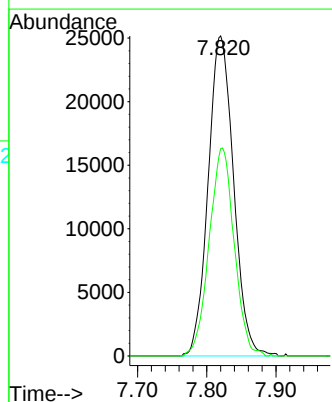
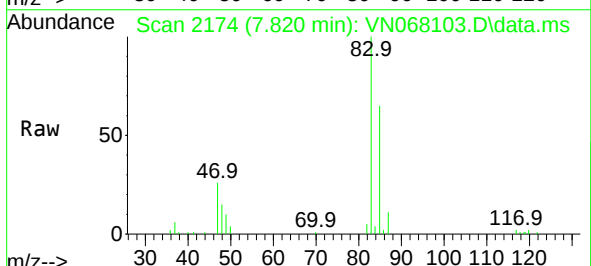
Instrument :
MSVOA_N
ClientSampled :

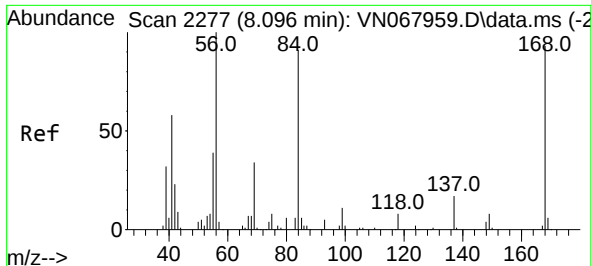
Tgt Ion: 49 Resp: 5480
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 49.7 74.5#



#30
Chloroform
Concen: 9.758 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

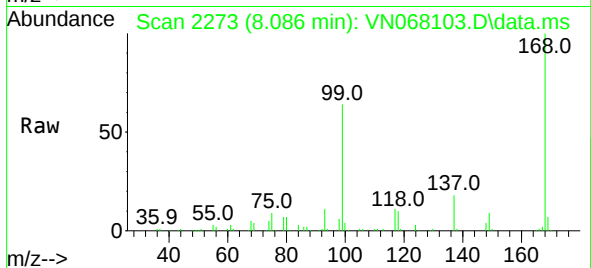
Tgt Ion: 83 Resp: 64332
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3



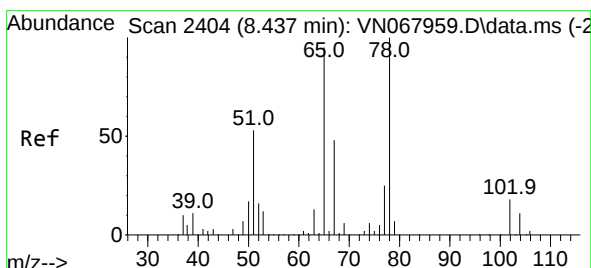
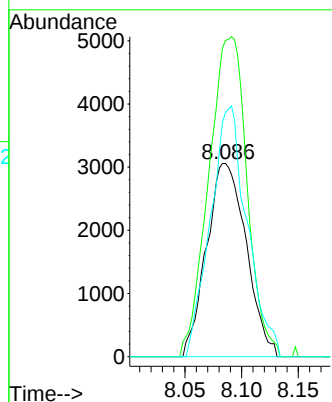
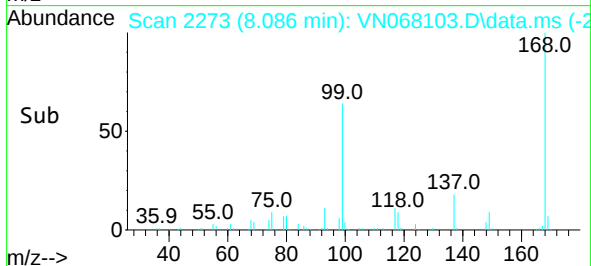


#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

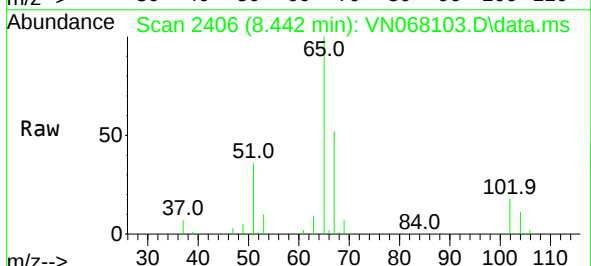
Instrument :
MSVOA_N
ClientSampled :



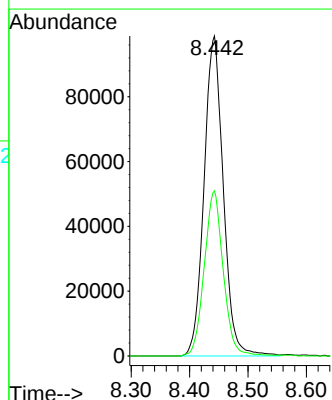
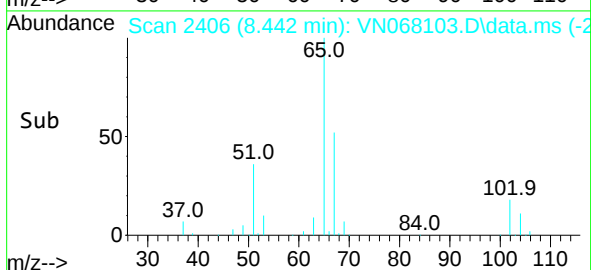
Tgt Ion: 56 Resp: 7437
Ion Ratio Lower Upper
56 100
69 163.6 27.3 40.9#
84 126.3 64.9 97.3#

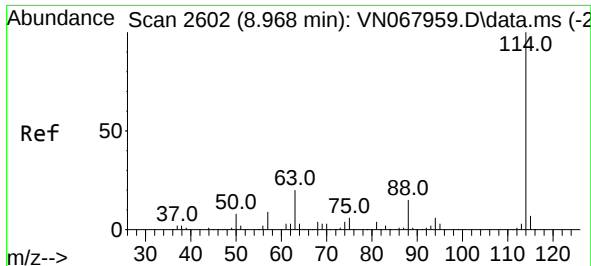


#33
1,2-Dichloroethane-d4
Concen: 55.543 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.005 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46



Tgt Ion: 65 Resp: 226409
Ion Ratio Lower Upper
65 100
67 50.9 0.0 98.6

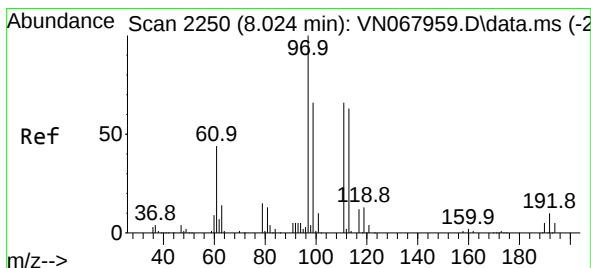
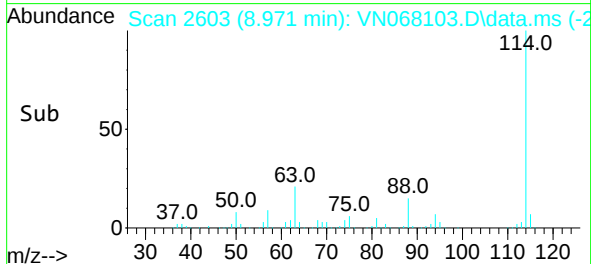
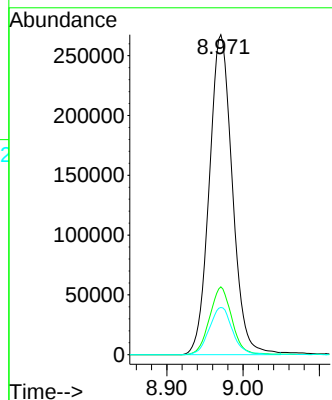
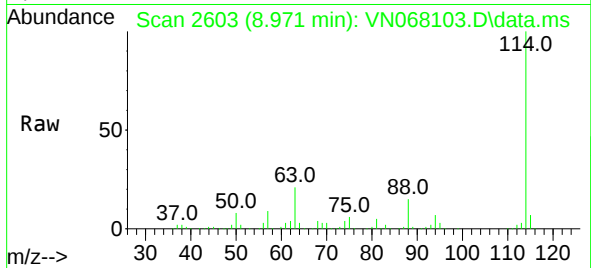




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

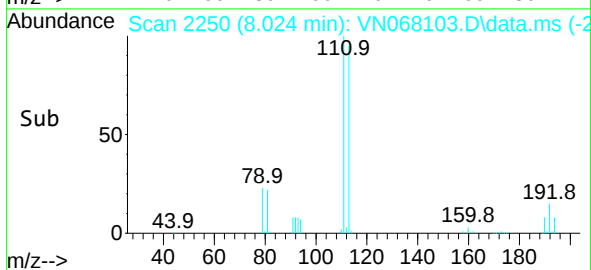
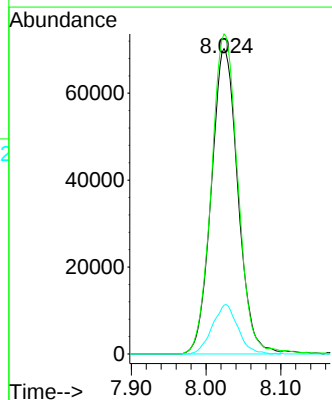
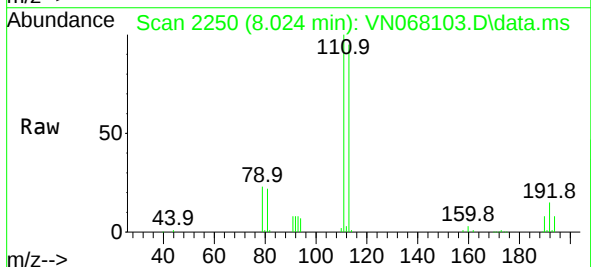
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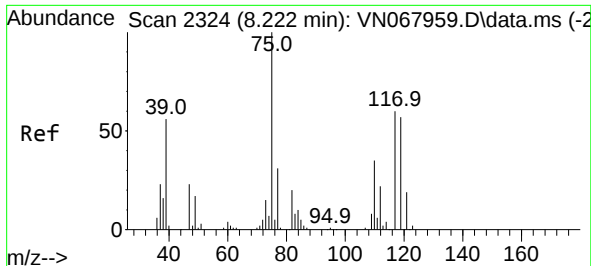
Tgt Ion:114 Resp: 561977
Ion Ratio Lower Upper
114 100
63 21.2 0.0 49.0
88 14.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.967 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Tgt Ion:113 Resp: 173473
Ion Ratio Lower Upper
113 100
111 103.9 83.8 125.8
192 15.5 13.4 20.0





#36

1,1-Dichloropropene

Concen: 4.959 ug/l

RT: 8.088 min Scan# 2274

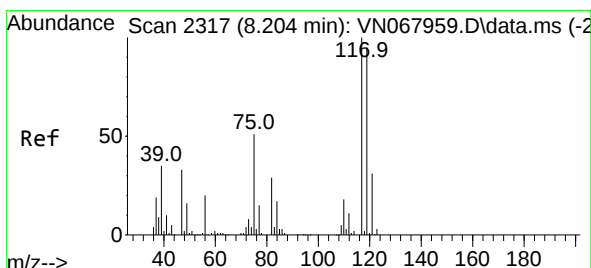
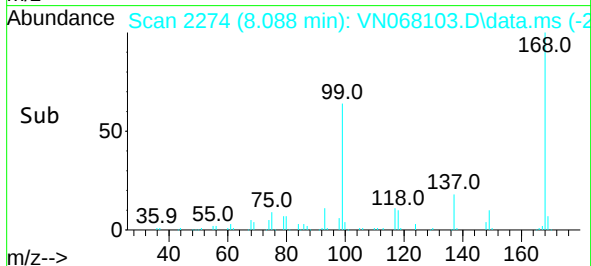
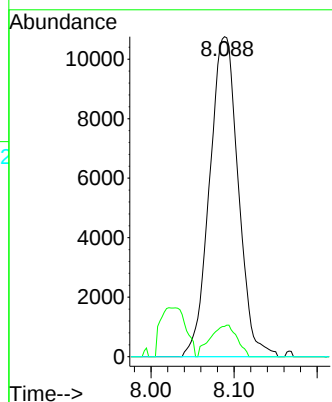
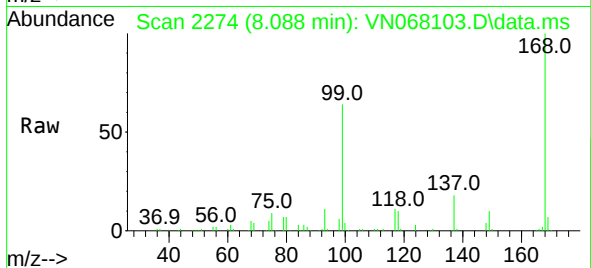
Delta R.T. -0.134 min

Lab File: VN068103.D

Acq: 12 Aug 2021 20:46

Tgt Ion:	75	Resp:	25777
Ion	Ratio	Lower	Upper
75	100		
110	9.2	15.7	47.0#
77	0.0	24.6	37.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.307 ug/l

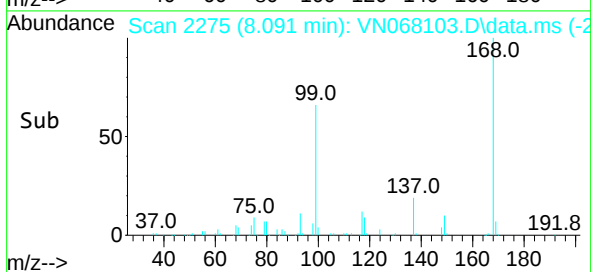
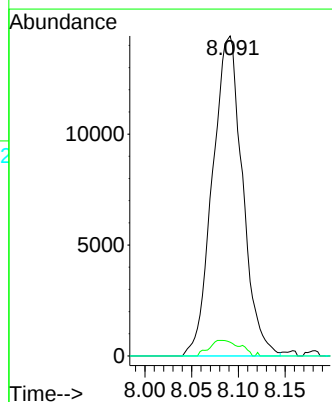
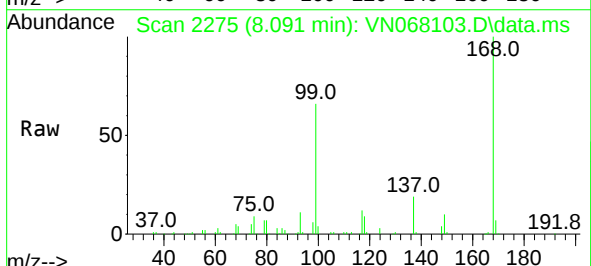
RT: 8.091 min Scan# 2275

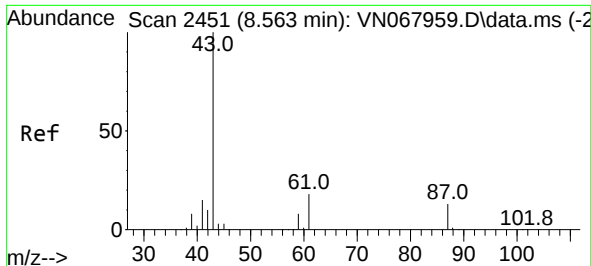
Delta R.T. -0.113 min

Lab File: VN068103.D

Acq: 12 Aug 2021 20:46

Tgt Ion:	117	Resp:	32241
Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.4	113.2#
121	0.0	23.5	35.3#

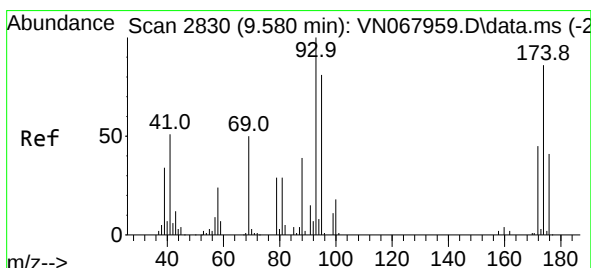
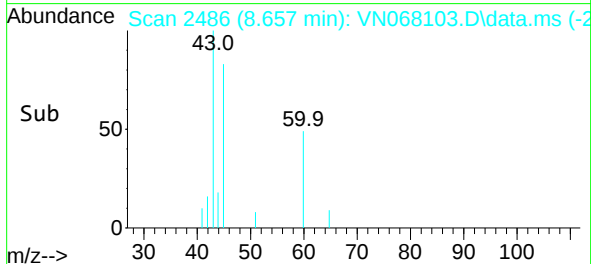
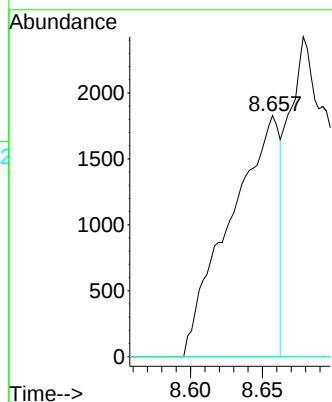
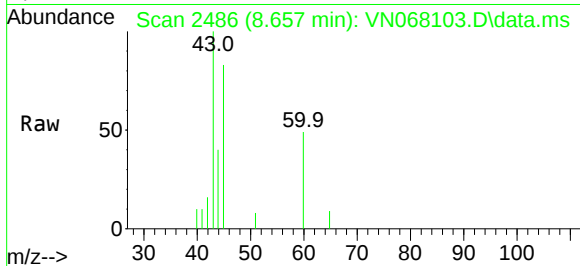




#43
Isopropyl Acetate
Concen: 0.535 ug/l
RT: 8.657 min Scan# 2486
Delta R.T. 0.094 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

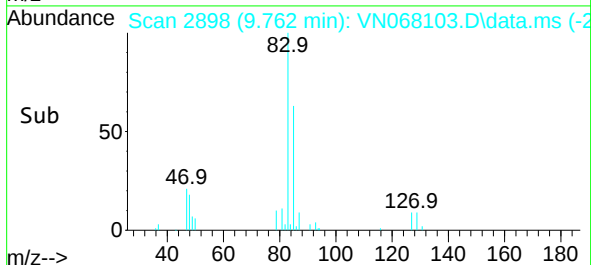
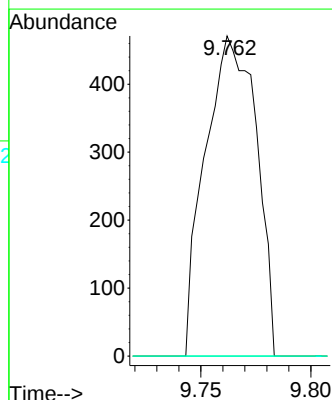
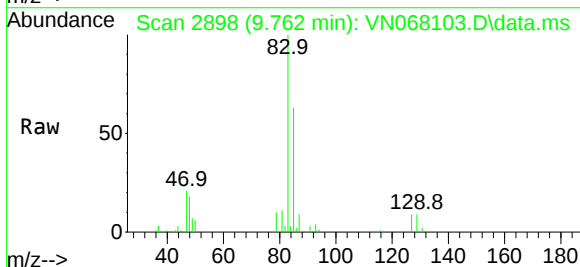
Instrument :
MSVOA_N
ClientSampled :

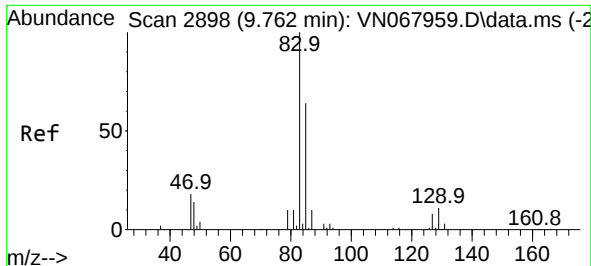
Tgt Ion: 43 Resp: 4363
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#46
Dibromomethane
Concen: 0.274 ug/l
RT: 9.762 min Scan# 2898
Delta R.T. 0.182 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Tgt Ion: 93 Resp: 760
Ion Ratio Lower Upper
93 100
95 0.0 66.1 99.1#
174 0.0 61.0 91.4#

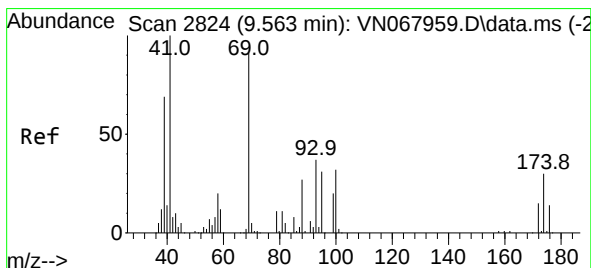
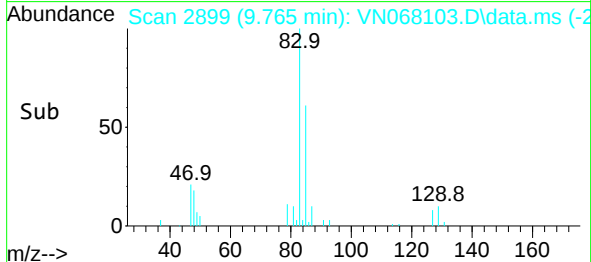
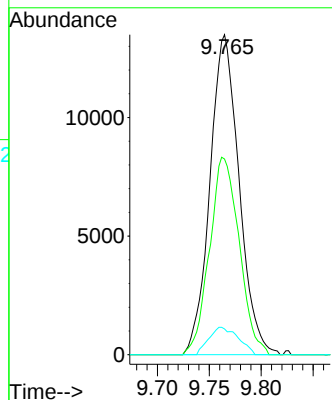
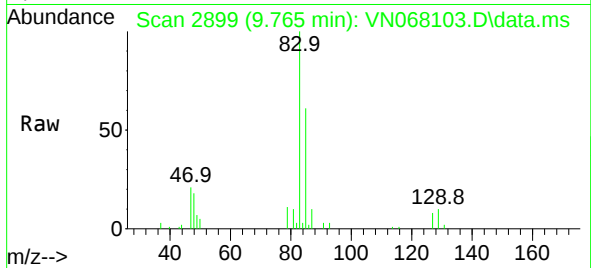




#47
Bromodichloromethane
Concen: 4.988 ug/l
RT: 9.765 min Scan# 2899
Delta R.T. 0.003 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

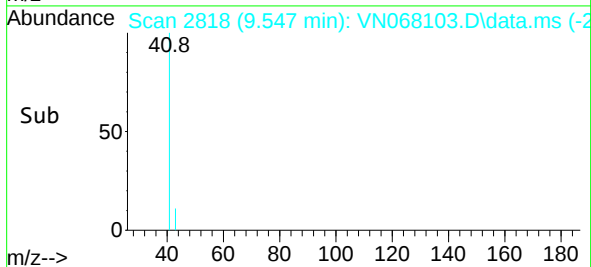
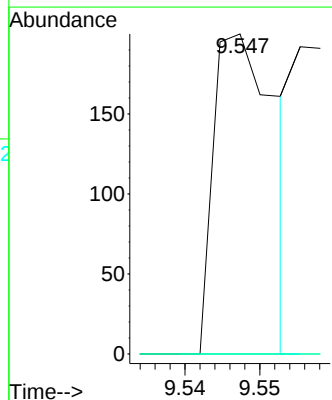
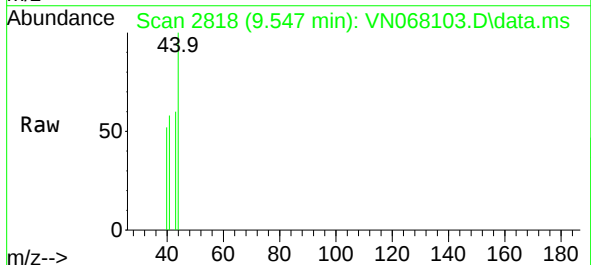
Instrument :
MSVOA_N
ClientSampled :

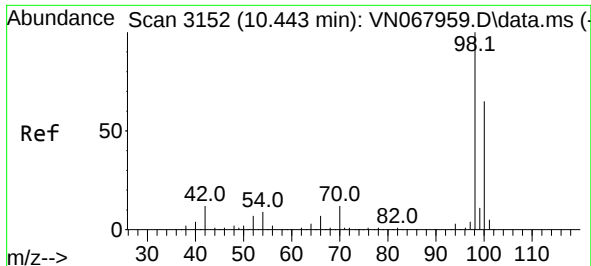
Tgt Ion: 83 Resp: 26353
Ion Ratio Lower Upper
83 100
85 61.2 49.9 74.9
127 8.0 6.1 9.1



#48
Methyl methacrylate
Concen: 2.332 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Tgt Ion: 41 Resp: 115
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

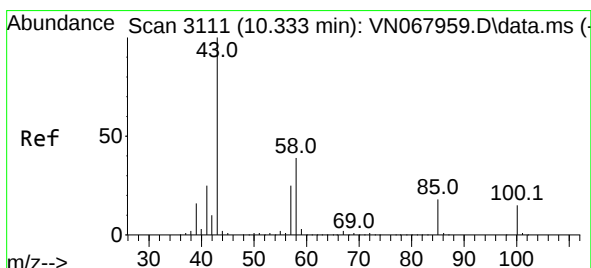
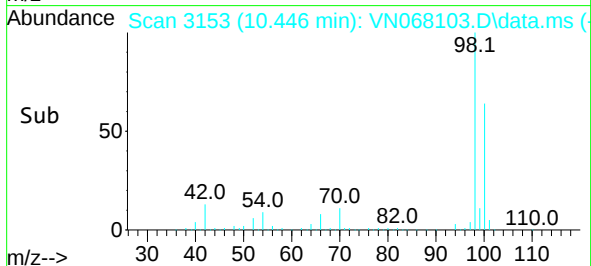
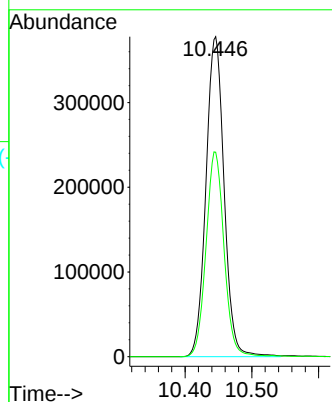
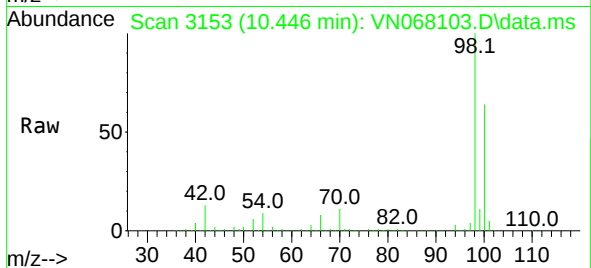




#50
Toluene-d8
Concen: 47.402 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

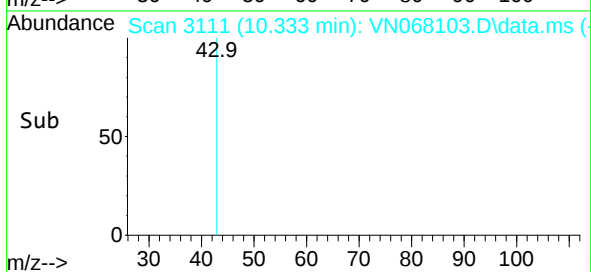
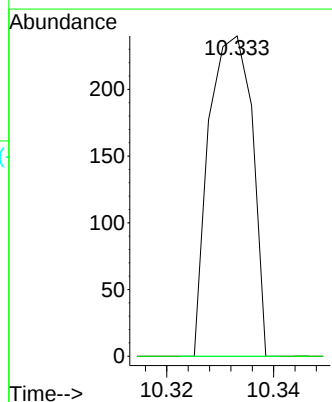
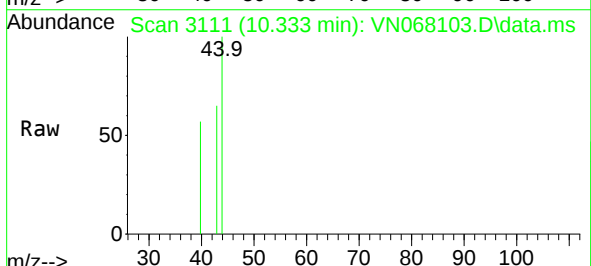
Instrument :
MSVOA_N
ClientSampleId :

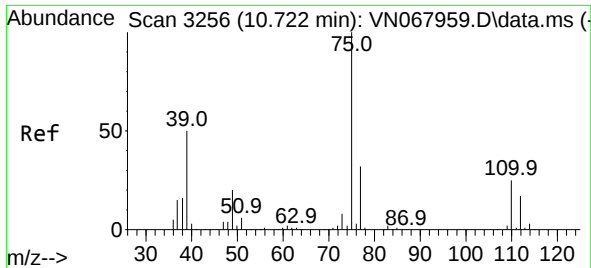
Tgt Ion: 98 Resp: 713188
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.588 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

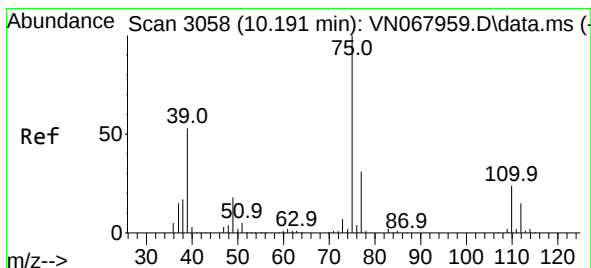
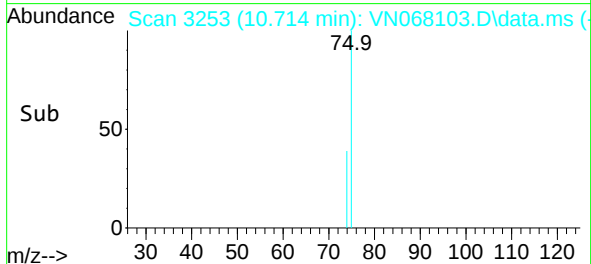
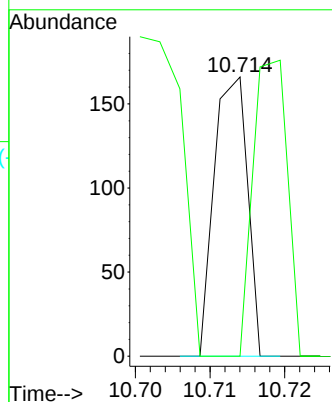
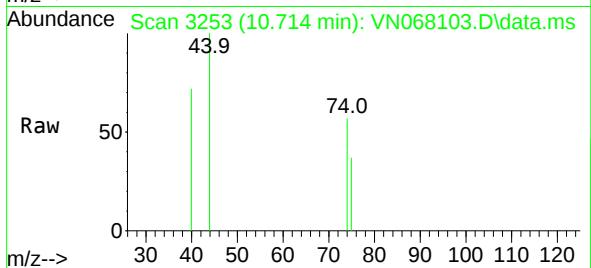




#53
t-1,3-Dichloropropene
Concen: 2.840 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.008 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

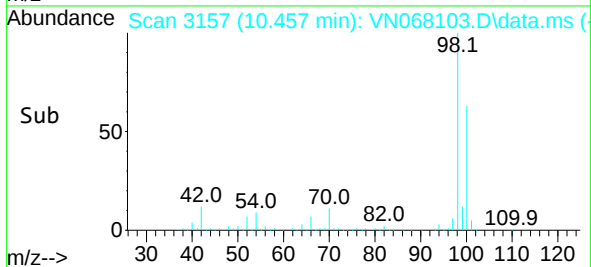
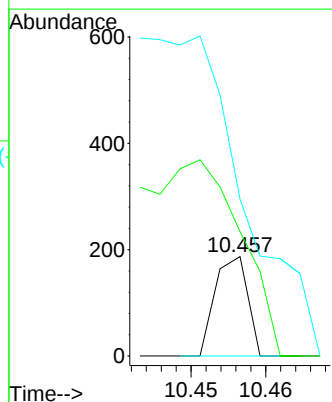
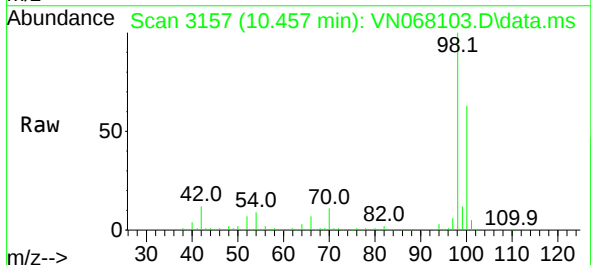
Instrument :
MSVOA_N
ClientSampled :

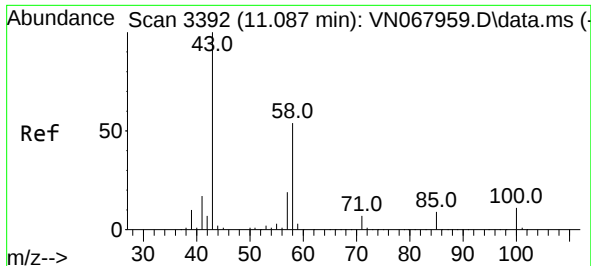
Tgt Ion: 75 Resp: 51
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.363 ug/l
RT: 10.457 min Scan# 3157
Delta R.T. 0.266 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Tgt Ion: 75 Resp: 57
Ion Ratio Lower Upper
75 100
77 125.1 24.6 37.0#
39 59.9 50.7 76.1

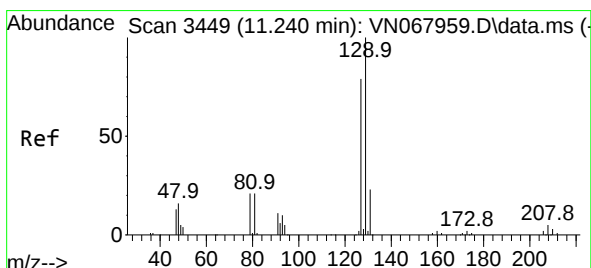
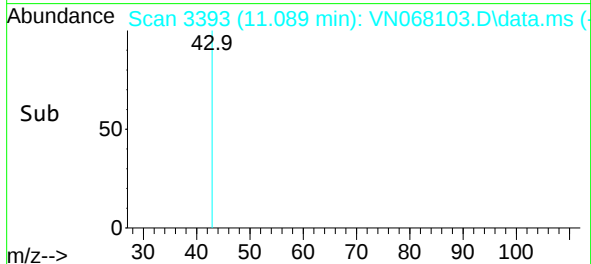
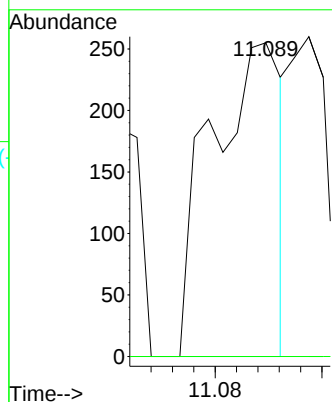
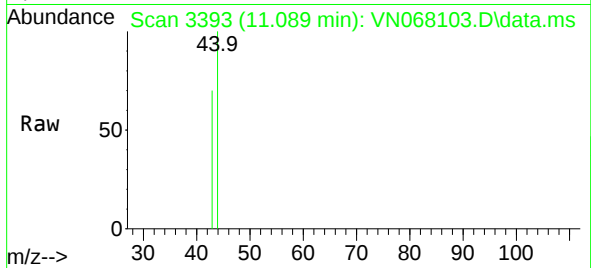




#59
2-Hexanone
Concen: 13.341 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

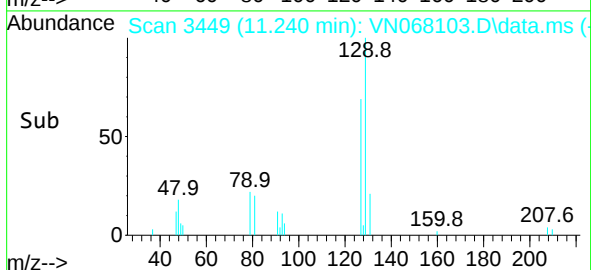
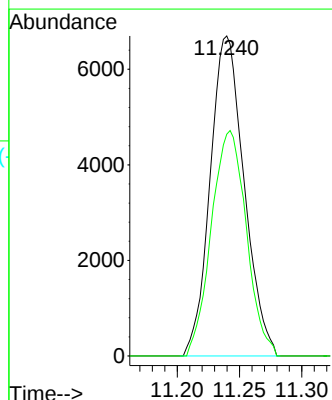
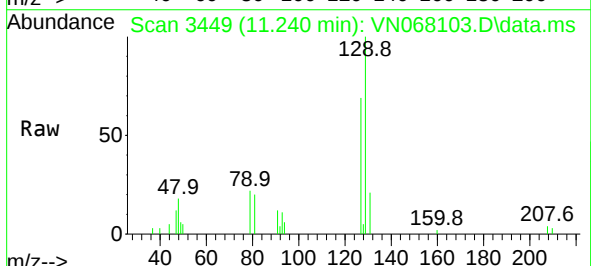
Instrument :
MSVOA_N
ClientSampled :

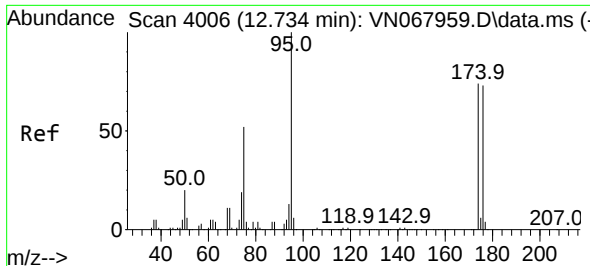
Tgt Ion: 43 Resp: 234
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#60
Dibromochloromethane
Concen: 5.755 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. -0.000 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Tgt Ion: 129 Resp: 12715
Ion Ratio Lower Upper
129 100
127 72.4 38.6 115.8

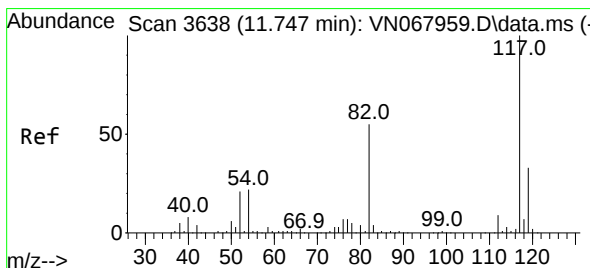
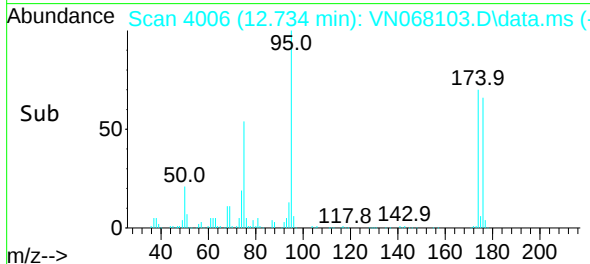
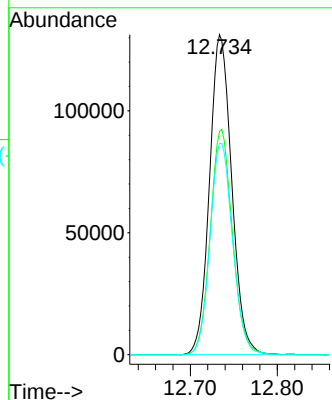
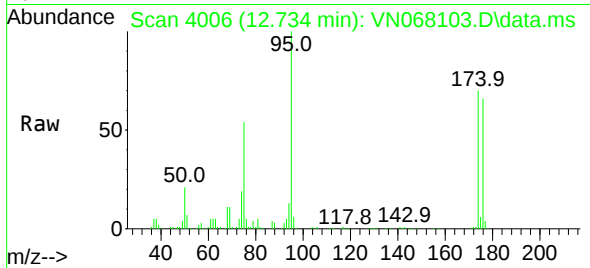




#62
4-Bromofluorobenzene
Concen: 42.886 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

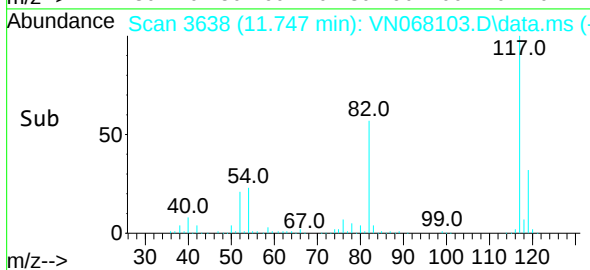
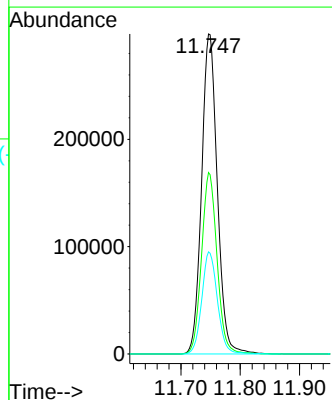
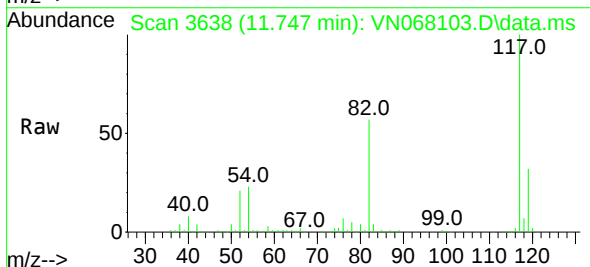
Instrument :
MSVOA_N
ClientSampleId :

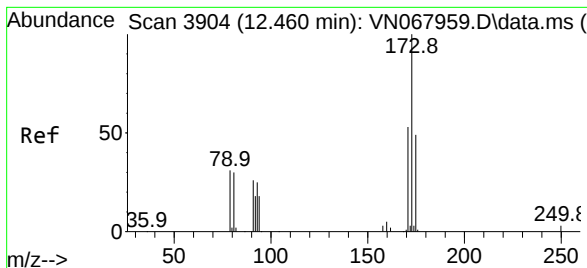
Tgt Ion: 95 Resp: 232917
Ion Ratio Lower Upper
95 100
174 70.4 0.0 122.0
176 67.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Tgt Ion: 117 Resp: 548718
Ion Ratio Lower Upper
117 100
82 56.7 53.1 79.7
119 31.9 25.5 38.3





#71

Bromoform

Concen: 4.241 ug/l

RT: 12.457 min Scan# 3903

Delta R.T. -0.003 min

Lab File: VN068103.D

Acq: 12 Aug 2021 20:46

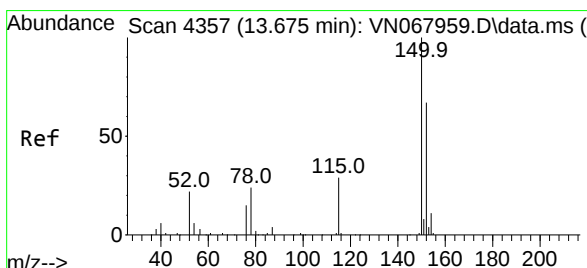
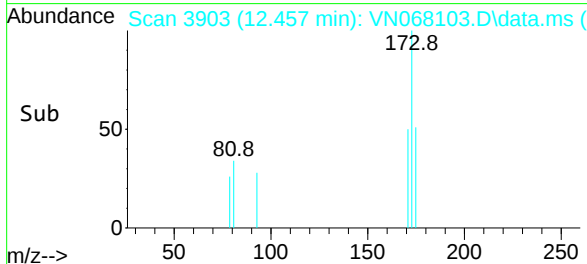
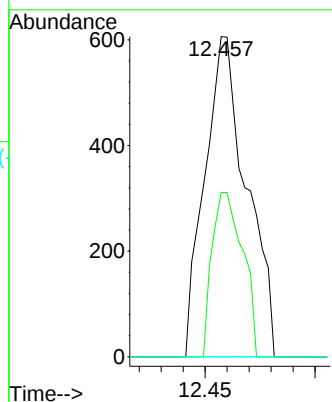
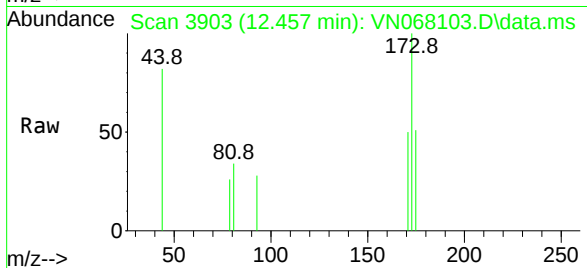
Tgt Ion:173 Resp: 802

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: 13.680 min Scan# 4359

Delta R.T. 0.005 min

Lab File: VN068103.D

Acq: 12 Aug 2021 20:46

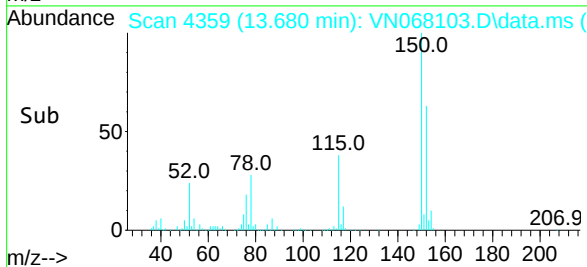
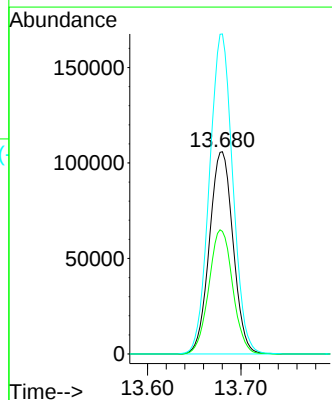
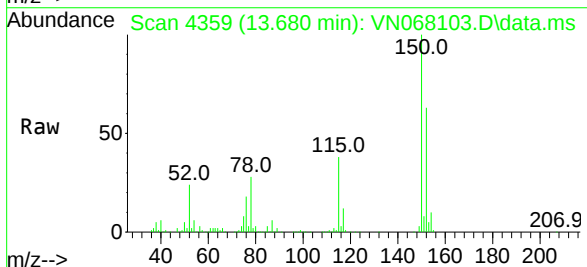
Tgt Ion:152 Resp: 186506

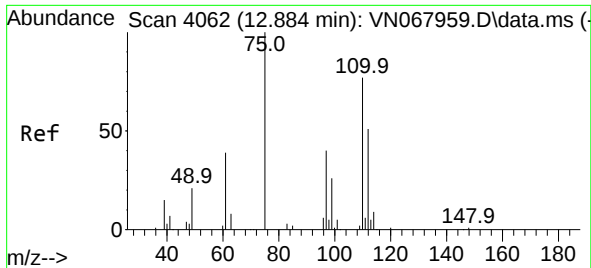
Ion Ratio Lower Upper

152 100

115 61.9 36.1 108.5

150 156.4 0.0 351.8

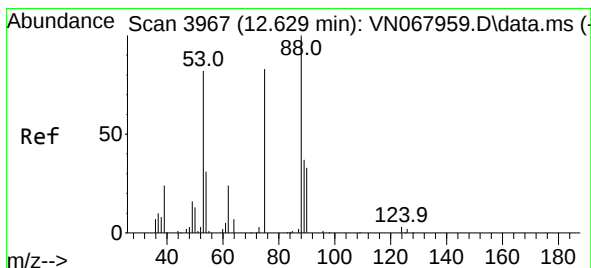
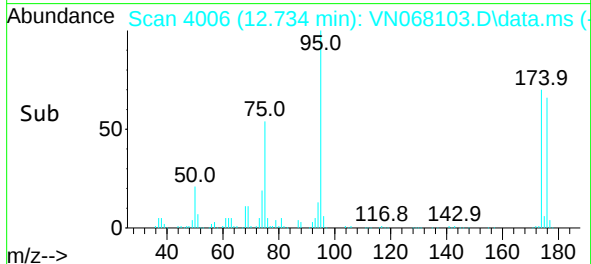
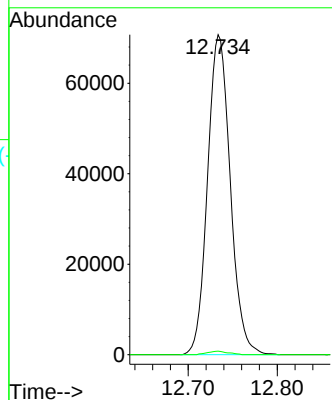
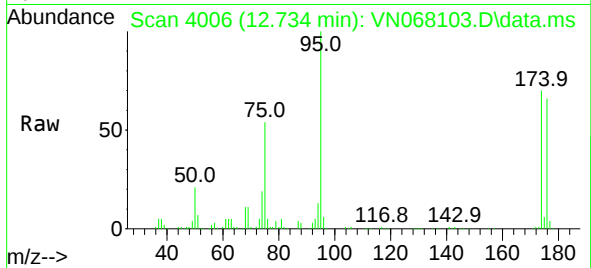




#76
1,2,3-Trichloropropane
Concen: 33.448 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

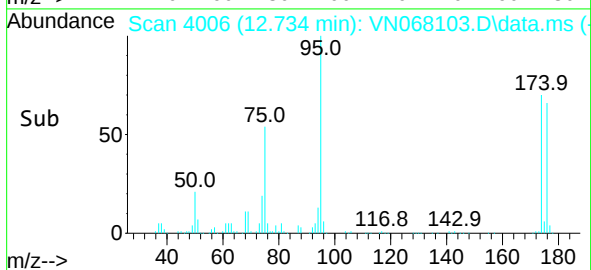
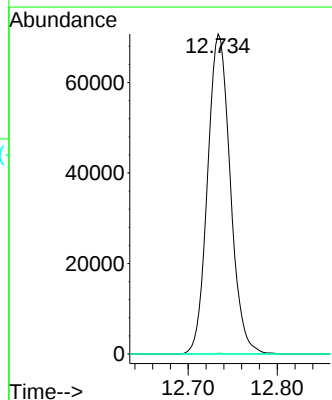
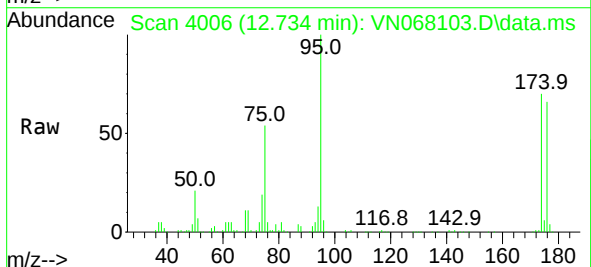
Instrument :
MSVOA_N
ClientSampled :

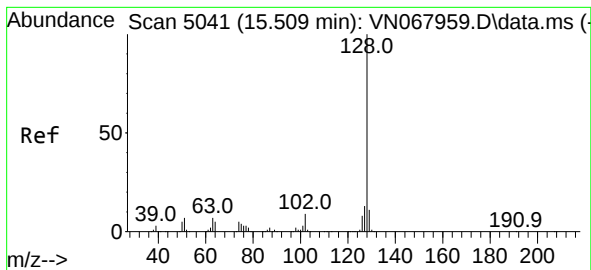
Tgt Ion: 75 Resp: 125282
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.719 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

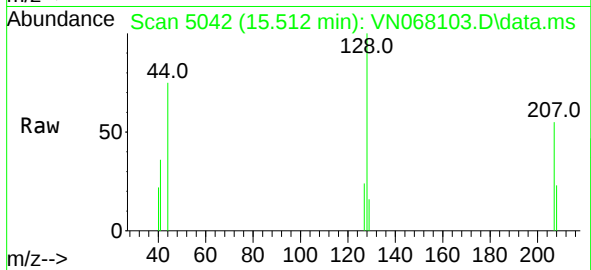
Tgt Ion: 75 Resp: 125282
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.273 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.003 min
Lab File: VN068103.D
Acq: 12 Aug 2021 20:46

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1268
Ion	Ratio	Lower	Upper
128	100		
127	9.9	10.6	15.8#
129	3.9	8.6	12.8#

