

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081221\
 Data File : VN068089.D
 Acq On : 12 Aug 2021 15:01
 Operator : JC/MD
 Sample : M3360-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 13 05:42:54 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)

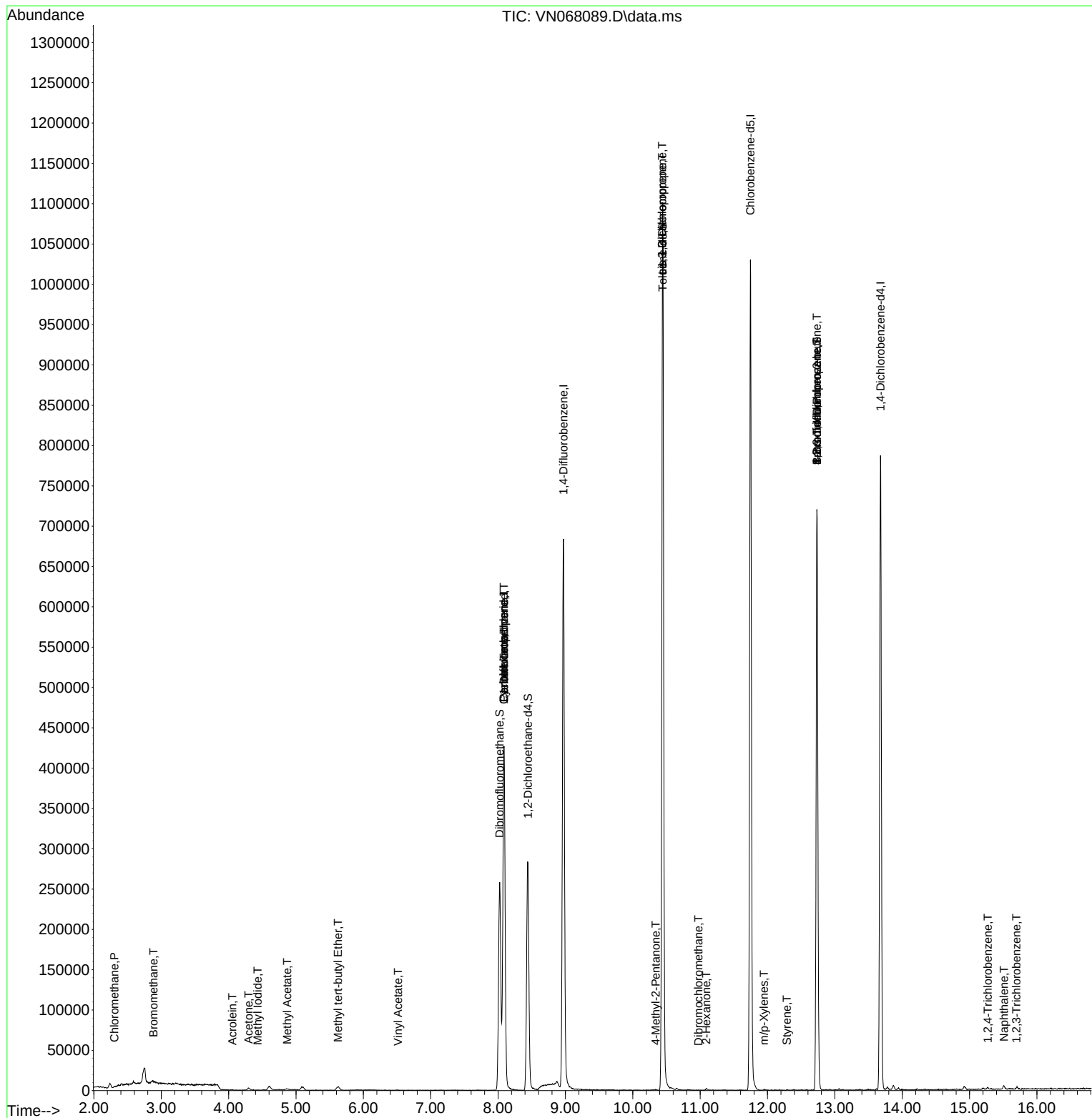
Internal Standards						
1) Pentafluorobenzene	8.088	168	318836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	614565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	606473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	207794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	242609	53.750	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.500%	
35) Dibromofluoromethane	8.024	113	189800	52.993	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.980%	
50) Toluene-d8	10.443	98	784311	47.647	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.300%	
62) 4-Bromofluorobenzene	12.734	95	259906	43.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 87.320%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1082	0.267	ug/l	97
5) Bromomethane	2.883	94	1902	0.337	ug/l	82
10) Methyl Iodide	4.430	142	129	3.150	ug/l #	33
13) Acrolein	4.055	56	84	0.205	ug/l #	1
16) Acetone	4.296	43	4704	2.856	ug/l	91
18) Methyl Acetate	4.870	43	2178	0.449	ug/l #	75
19) Methyl tert-butyl Ether	5.624	73	7305	0.644	ug/l #	85
23) Vinyl Acetate	6.517	43	59	8.806	ug/l #	75
31) Cyclohexane	8.086	56	8034	1.207	ug/l #	25
36) 1,1-Dichloropropene	8.086	75	27970	4.920	ug/l #	51
38) Carbon Tetrachloride	8.088	117	34806	6.226	ug/l #	17
51) 4-Methyl-2-Pentanone	10.341	43	649	12.662	ug/l #	39
53) t-1,3-Dichloropropene	10.438	75	143	2.852	ug/l #	83
54) cis-1,3-Dichloropropene	10.438	75	143	2.373	ug/l #	1
59) 2-Hexanone	11.092	43	1638	13.623	ug/l	85
60) Dibromochloromethane	10.974	129	140	3.327	ug/l #	11
68) m/p-Xylenes	11.948	106	115	4.074	ug/l #	1
70) Styrene	12.288	104	259	2.647	ug/l #	36
71) Bromoform	12.734	173	1975	4.499	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	140829	33.747	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	140829	90.489	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.271	180	803	2.719	ug/l	75
95) Naphthalene	15.509	128	4921	3.653	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.697	180	515	2.538	ug/l #	3

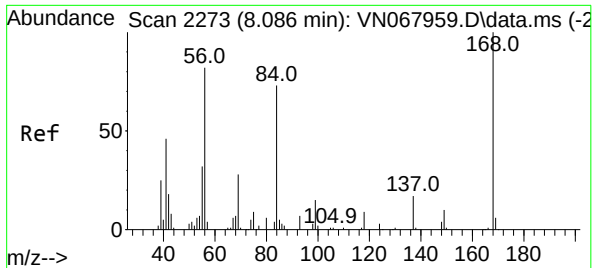
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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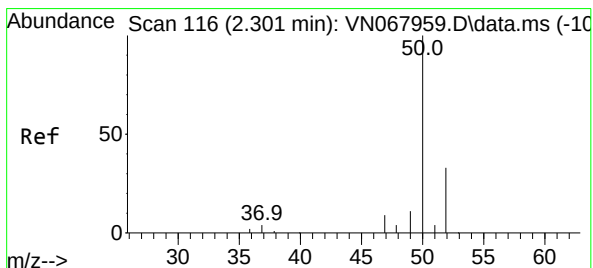
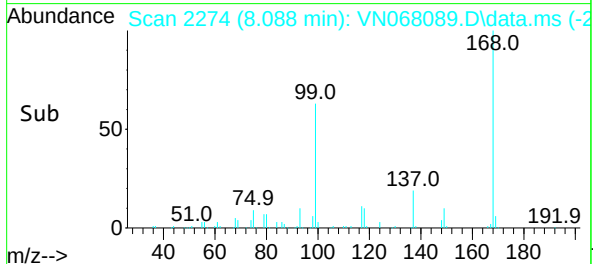
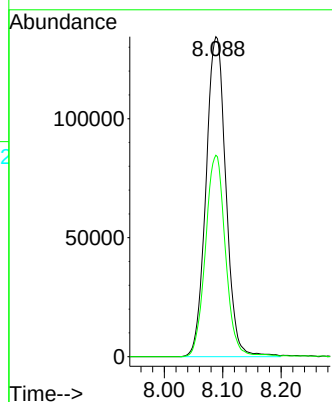
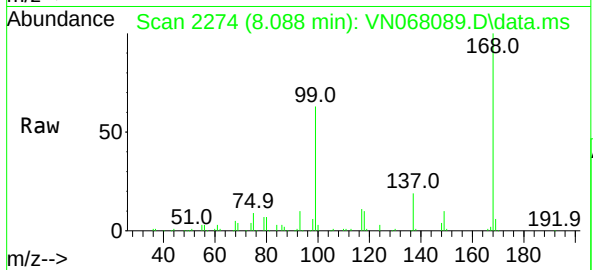




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

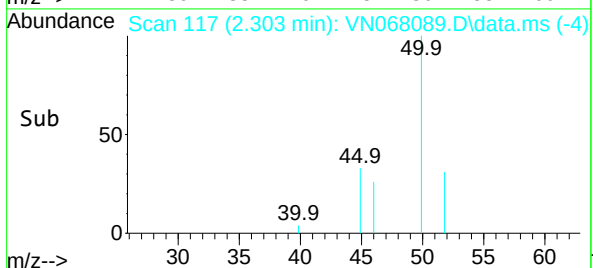
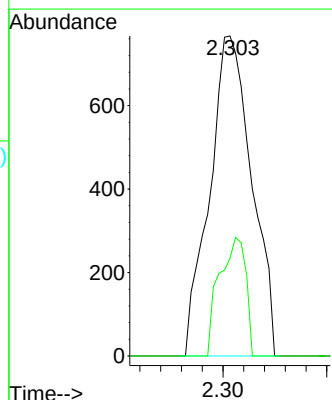
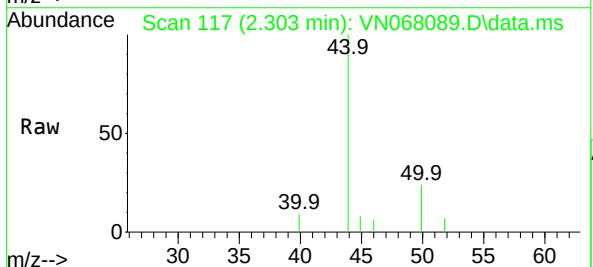
Instrument :
MSVOA_N
ClientSampled :

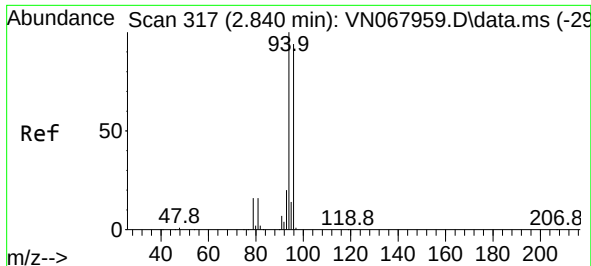
Tgt Ion:168 Resp: 318836
Ion Ratio Lower Upper
168 100
99 63.0 62.9 94.3



#3
Chloromethane
Concen: 0.267 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

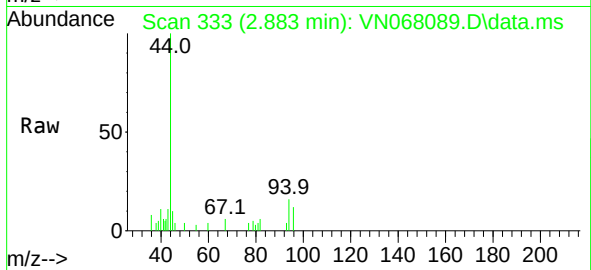
Tgt Ion: 50 Resp: 1082
Ion Ratio Lower Upper
50 100
52 30.5 25.6 38.4



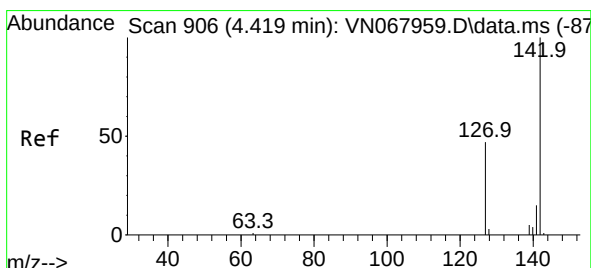
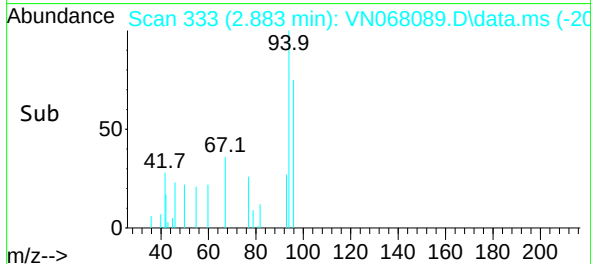
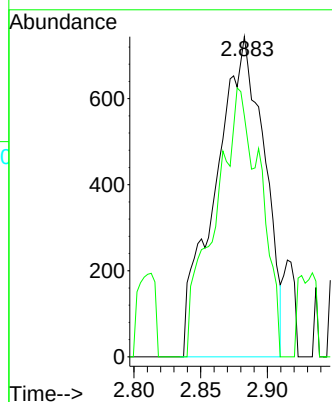


#5
Bromomethane
Concen: 0.337 ug/l
RT: 2.883 min Scan# 333
Delta R.T. 0.043 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

Instrument :
MSVOA_N
ClientSampled :

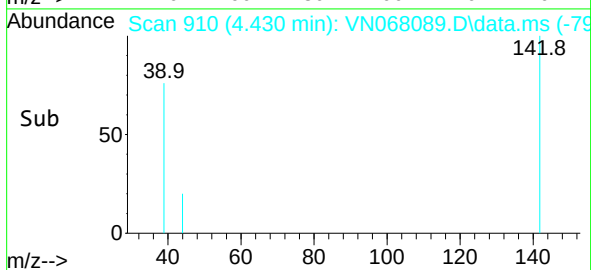
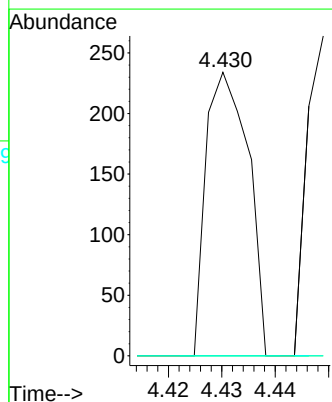
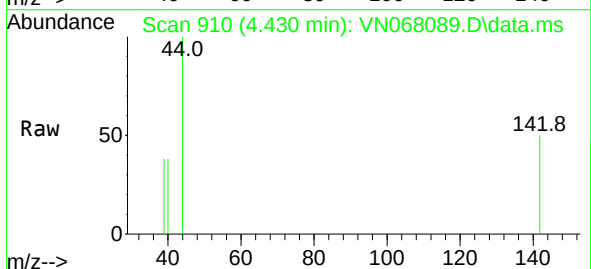


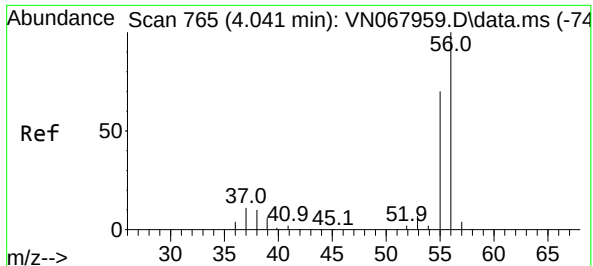
Tgt Ion: 94 Resp: 1902
Ion Ratio Lower Upper
94 100
96 75.3 73.7 110.5



#10
Methyl Iodide
Concen: 3.150 ug/l
RT: 4.430 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

Tgt Ion: 142 Resp: 129
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

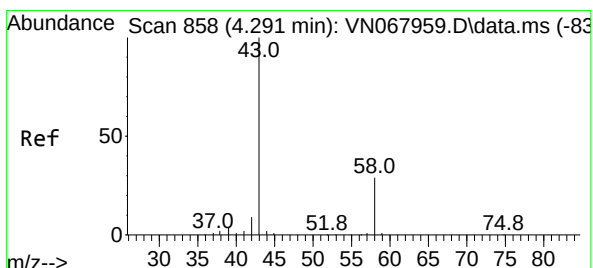
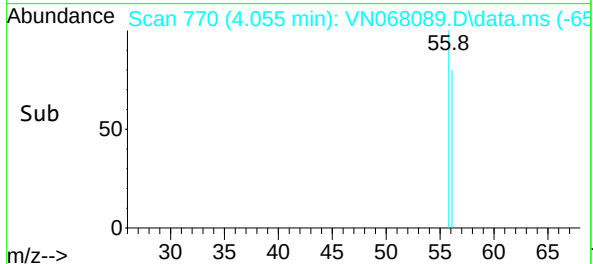
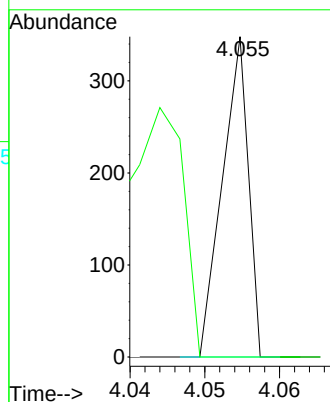
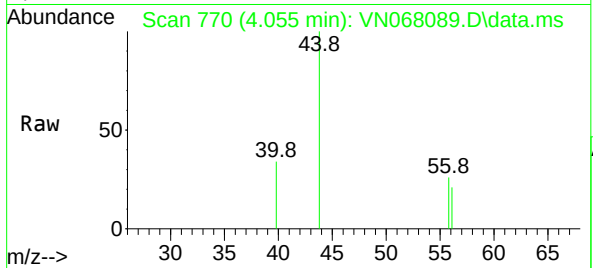




#13
Acrolein
Concen: 0.205 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.014 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

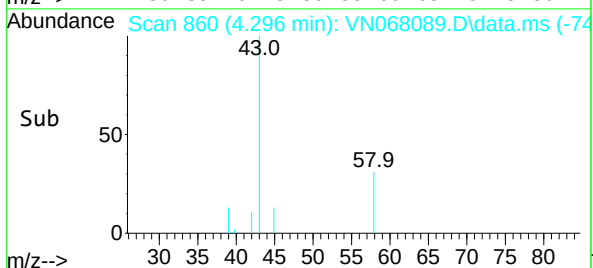
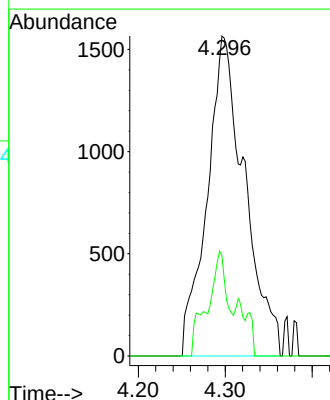
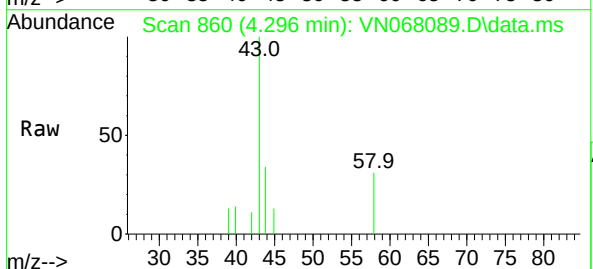
Instrument :
MSVOA_N
ClientSampled :

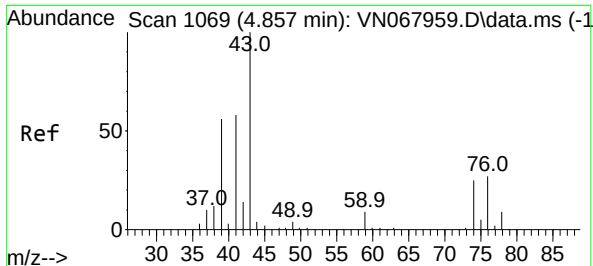
Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 250.0 57.4 86.0#



#16
Acetone
Concen: 2.856 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

Tgt Ion: 43 Resp: 4704
Ion Ratio Lower Upper
43 100
58 31.3 21.2 31.8





#18

Methyl Acetate

Concen: 0.449 ug/l

RT: 4.870 min Scan# 1074

Delta R.T. 0.013 min

Lab File: VN068089.D

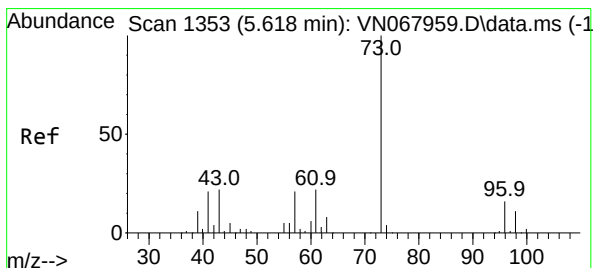
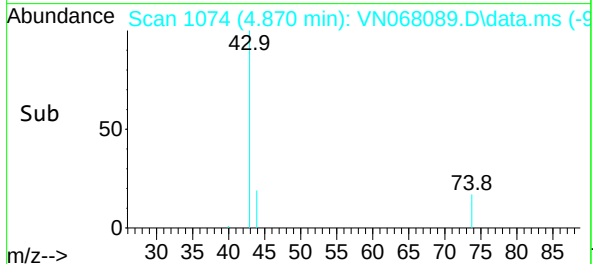
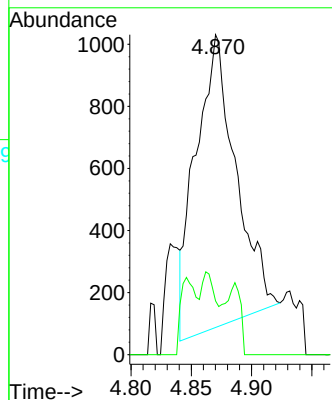
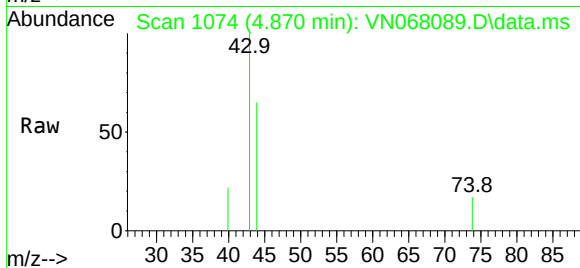
Acq: 12 Aug 2021 15:01

Tgt Ion: 43 Resp: 2178

Ion Ratio Lower Upper

43 100

74 9.6 17.4 26.0#



#19

Methyl tert-butyl Ether

Concen: 0.644 ug/l

RT: 5.624 min Scan# 1355

Delta R.T. 0.006 min

Lab File: VN068089.D

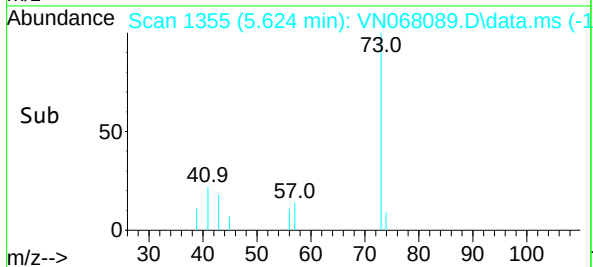
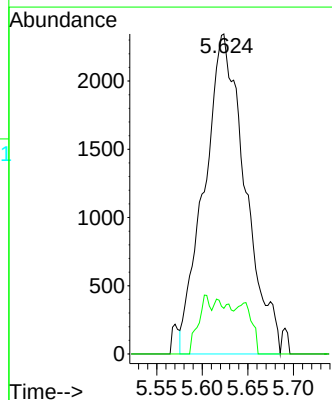
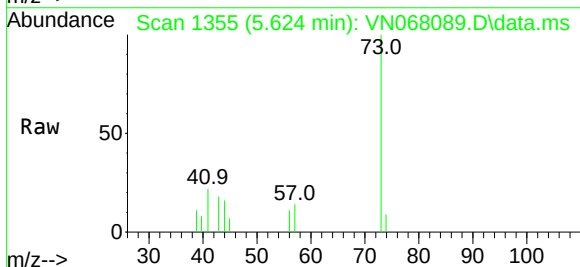
Acq: 12 Aug 2021 15:01

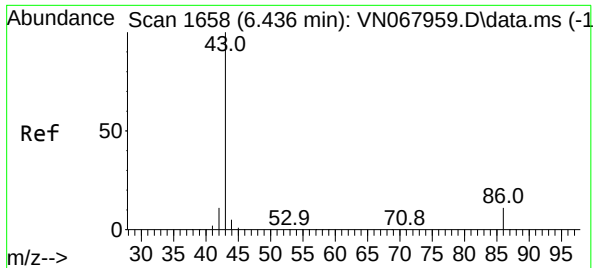
Tgt Ion: 73 Resp: 7305

Ion Ratio Lower Upper

73 100

57 14.3 17.0 25.6#

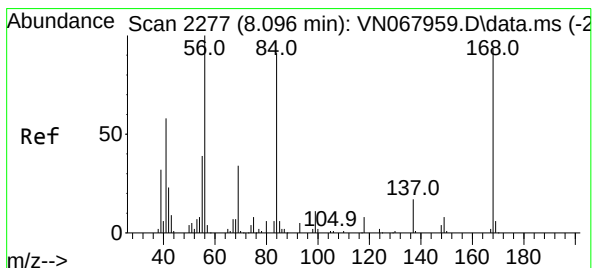
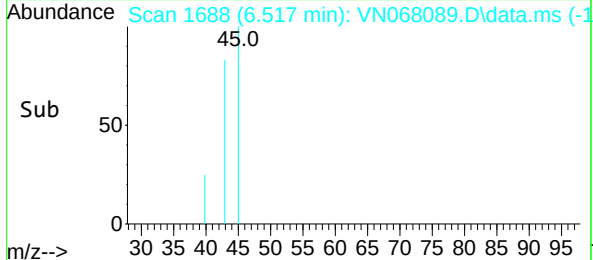
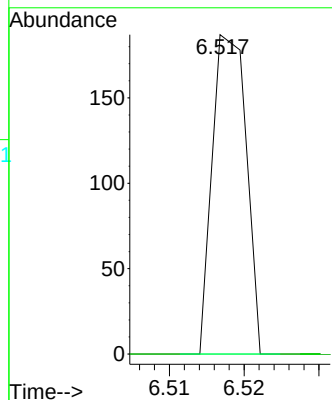
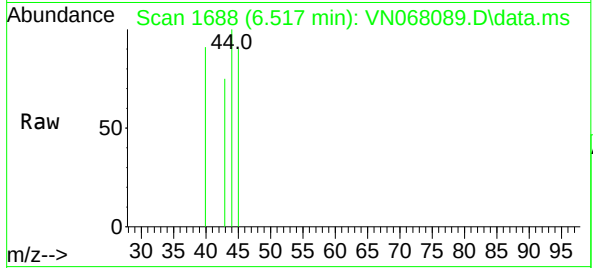




#23
 Vinyl Acetate
 Concen: 8.806 ug/l
 RT: 6.517 min Scan# 1688
 Delta R.T. 0.081 min
 Lab File: VN068089.D
 Acq: 12 Aug 2021 15:01

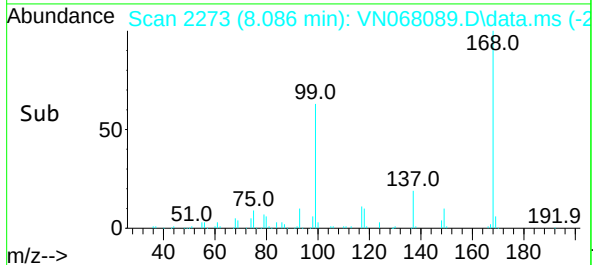
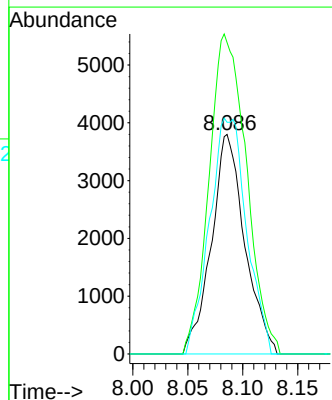
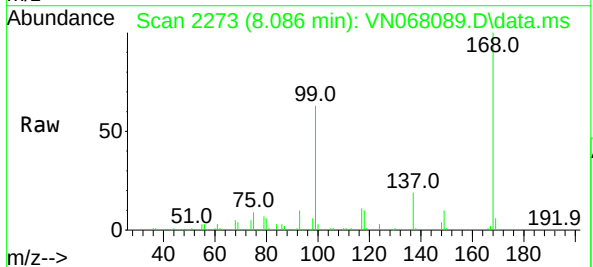
Instrument :
 MSVOA_N
 ClientSampled :

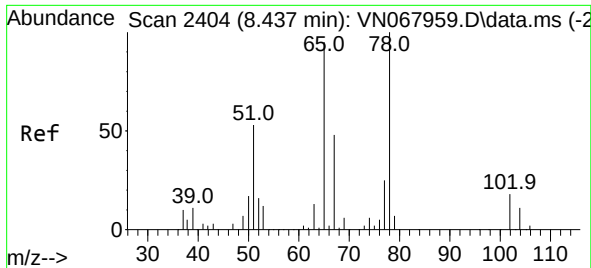
Tgt Ion: 43 Resp: 59
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.3 10.9#



#31
 Cyclohexane
 Concen: 1.207 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.010 min
 Lab File: VN068089.D
 Acq: 12 Aug 2021 15:01

Tgt Ion: 56 Resp: 8034
 Ion Ratio Lower Upper
 56 100
 69 141.9 27.3 40.9#
 84 105.6 64.9 97.3#

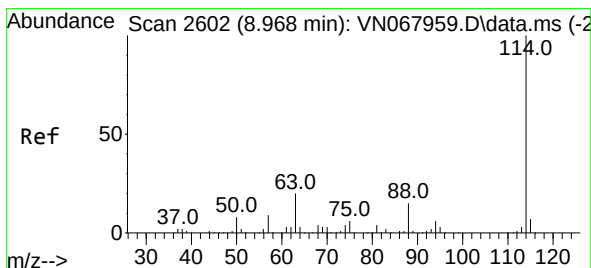
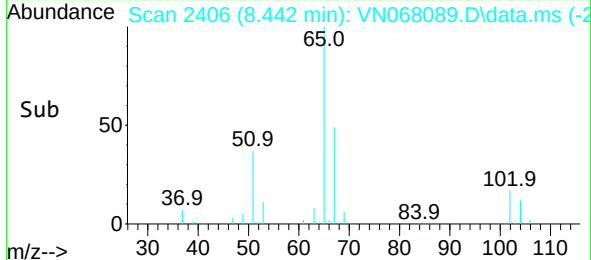
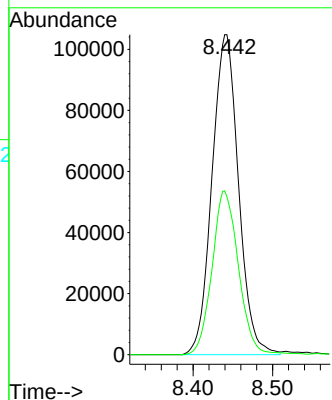
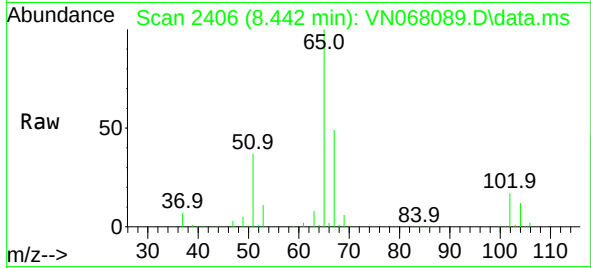




#33
 1,2-Dichloroethane-d4
 Concen: 53.750 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.005 min
 Lab File: VN068089.D
 Acq: 12 Aug 2021 15:01

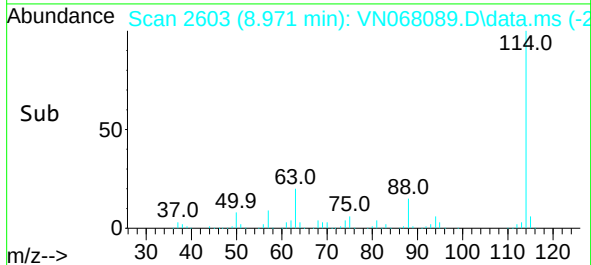
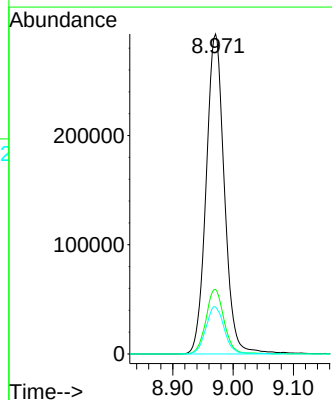
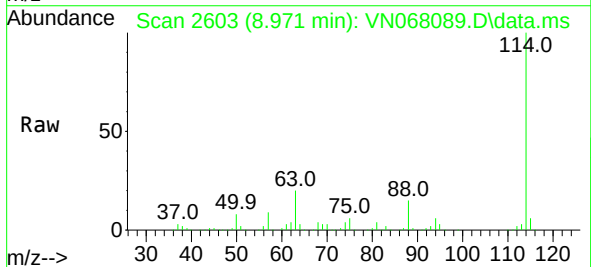
Instrument :
 MSVOA_N
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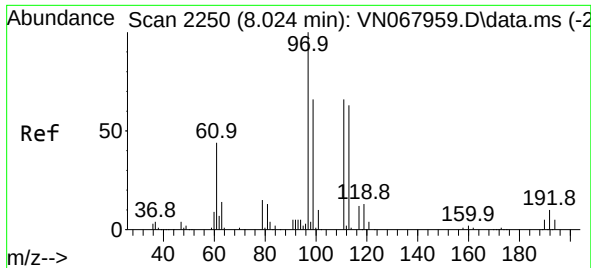
Tgt Ion: 65 Resp: 242609
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068089.D
 Acq: 12 Aug 2021 15:01

Tgt Ion: 114 Resp: 614565
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 49.0
 88 14.7 0.0 36.6

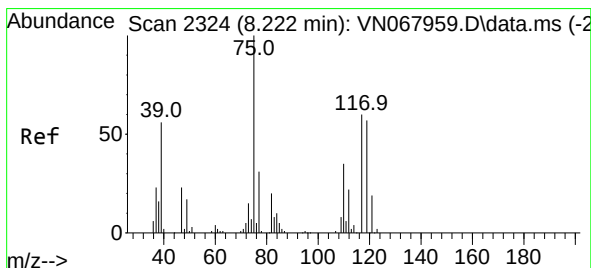
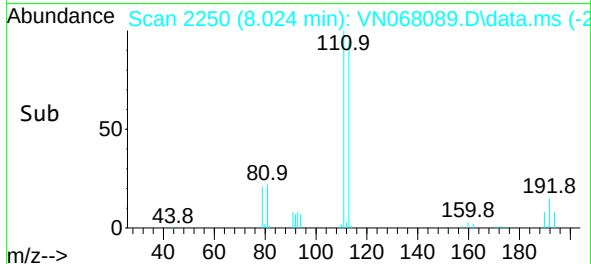
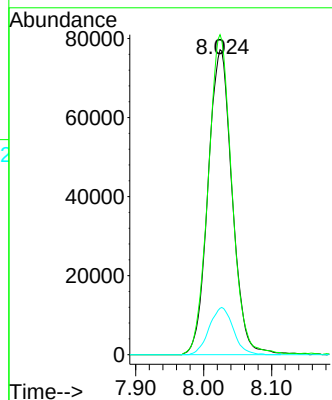
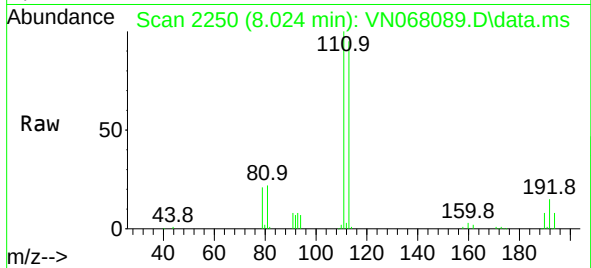




#35
Dibromofluoromethane
Concen: 52.993 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

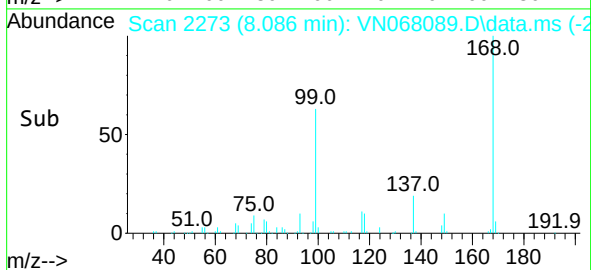
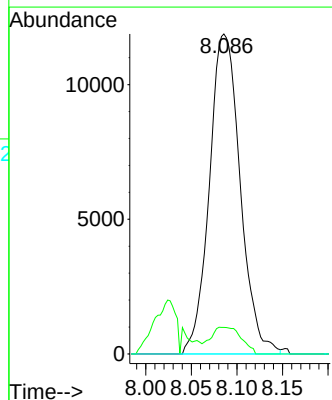
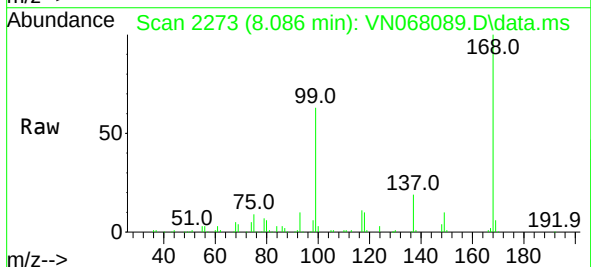
Instrument :
MSVOA_N
ClientSampled :

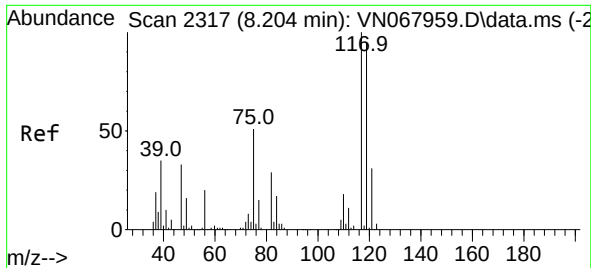
Tgt Ion:113 Resp: 189800
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.8
192 15.5 13.4 20.0



#36
1,1-Dichloropropene
Concen: 4.920 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

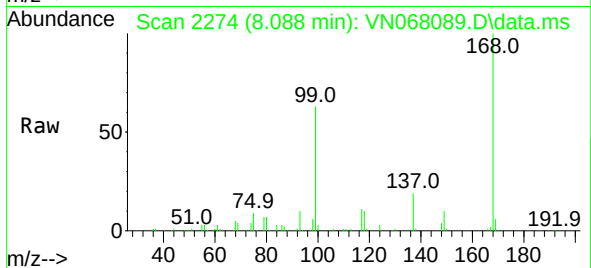
Tgt Ion: 75 Resp: 27970
Ion Ratio Lower Upper
75 100
110 8.0 15.7 47.0#
77 0.0 24.6 37.0#



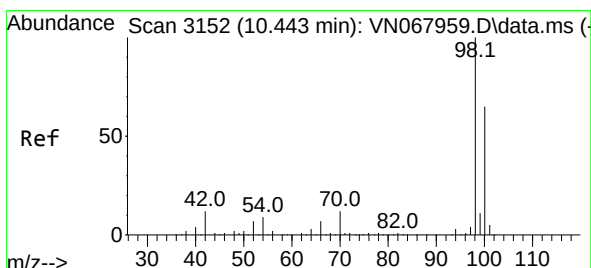
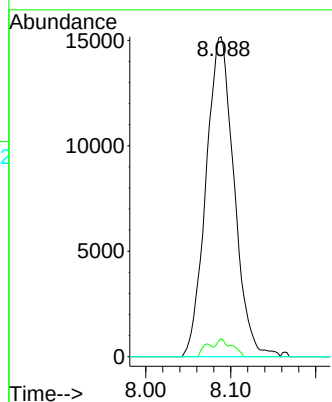
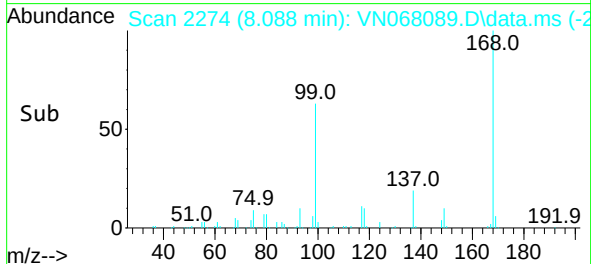


#38
Carbon Tetrachloride
Concen: 6.226 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

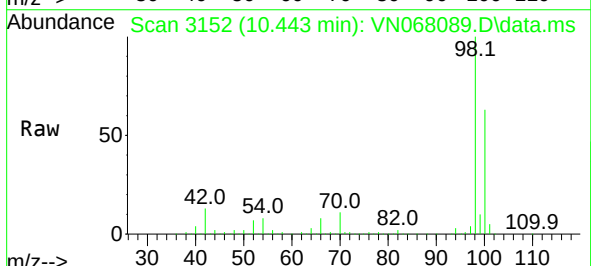
Instrument :
MSVOA_N
ClientSampleId :



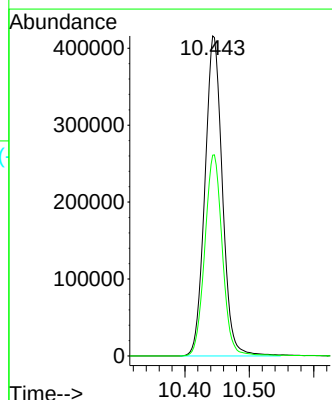
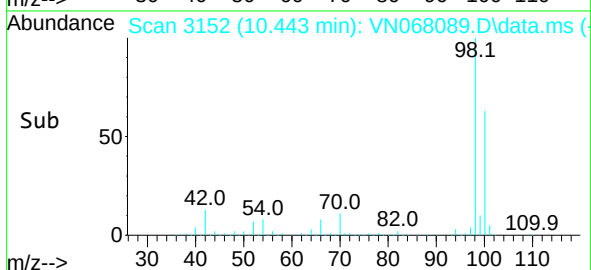
Tgt Ion:117 Resp: 34806
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 23.5 35.3#

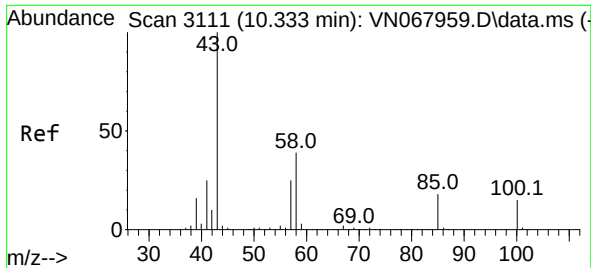


#50
Toluene-d8
Concen: 47.647 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01



Tgt Ion: 98 Resp: 784311
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5

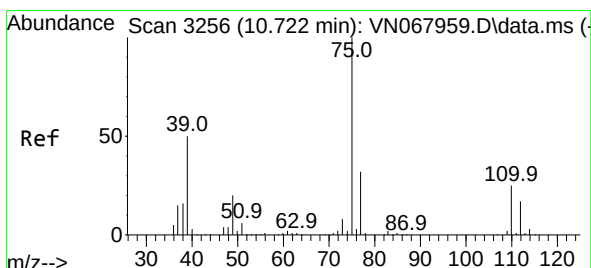
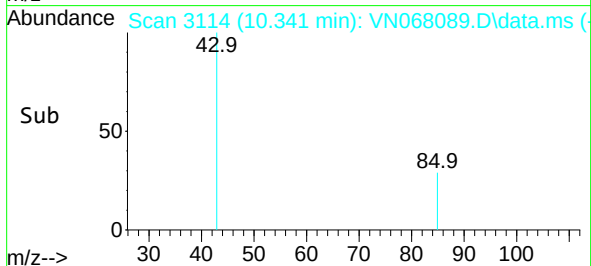
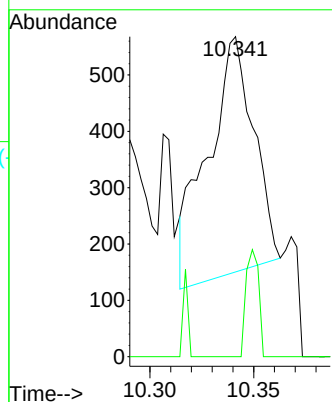
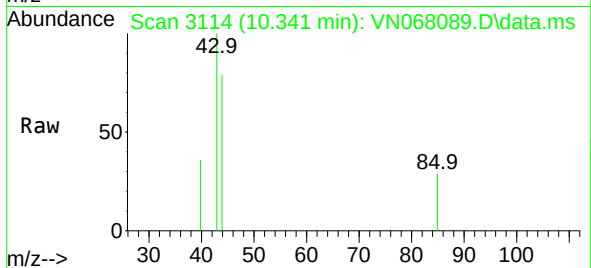




#51
4-Methyl-2-Pentanone
Concen: 12.662 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.008 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

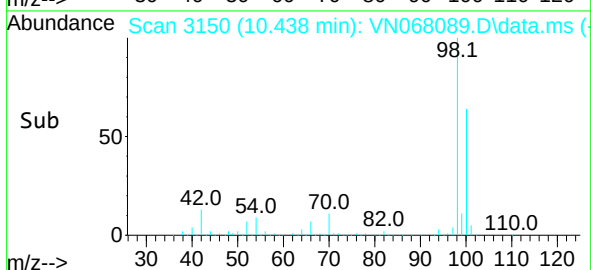
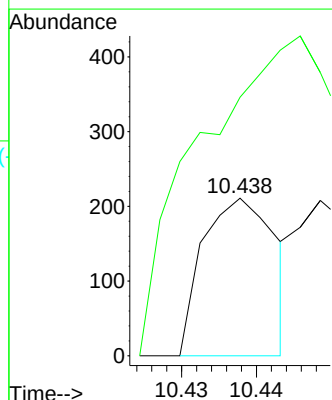
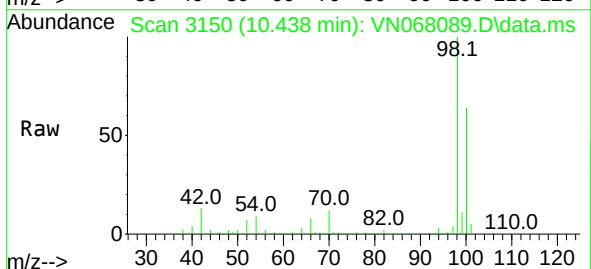
Instrument :
MSVOA_N
ClientSampled :

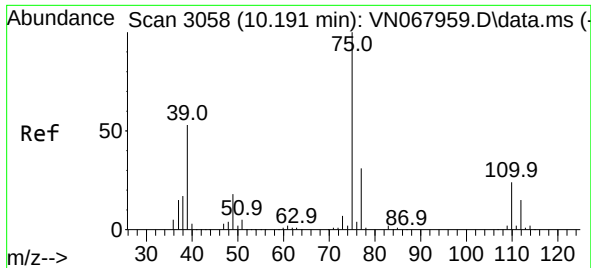
Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.852 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.284 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

Tgt Ion: 75 Resp: 143
Ion Ratio Lower Upper
75 100
77 40.8 25.1 37.7#

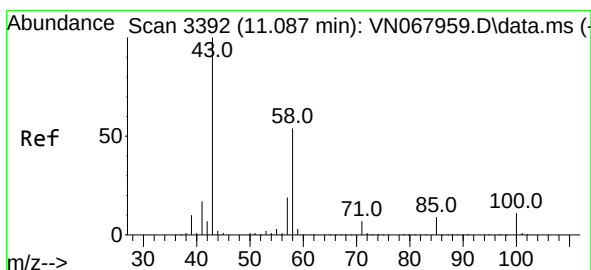
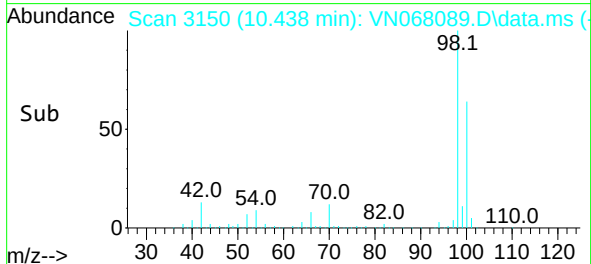
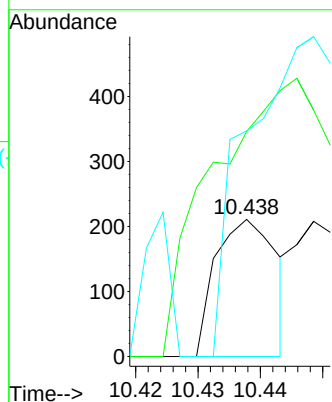
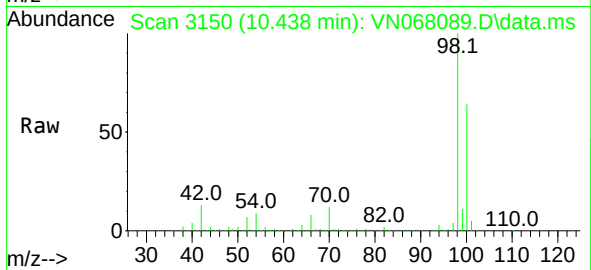




#54
 cis-1,3-Dichloropropene
 Concen: 2.373 ug/l
 RT: 10.438 min Scan# 3150
 Delta R.T. 0.247 min
 Lab File: VN068089.D
 Acq: 12 Aug 2021 15:01

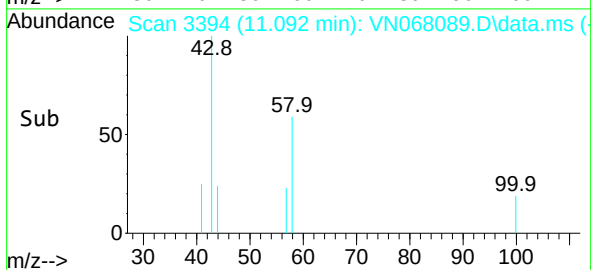
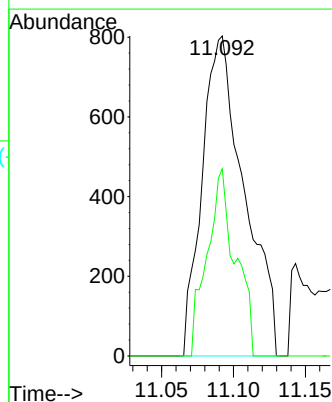
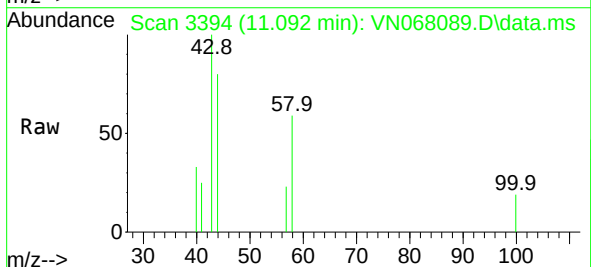
Instrument :
 MSVOA_N
 ClientSampled :

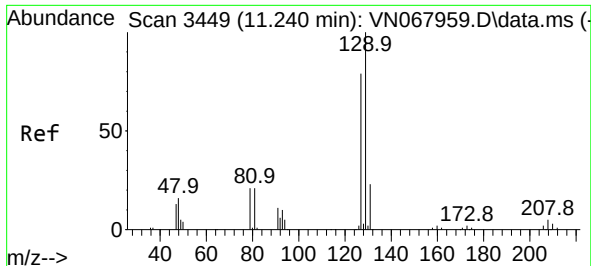
Tgt Ion: 75 Resp: 143
 Ion Ratio Lower Upper
 75 100
 77 77.7 24.6 37.0#
 39 164.5 50.7 76.1#



#59
 2-Hexanone
 Concen: 13.623 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.005 min
 Lab File: VN068089.D
 Acq: 12 Aug 2021 15:01

Tgt Ion: 43 Resp: 1638
 Ion Ratio Lower Upper
 43 100
 58 39.4 24.7 74.1

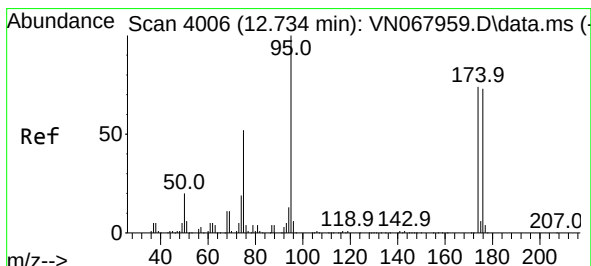
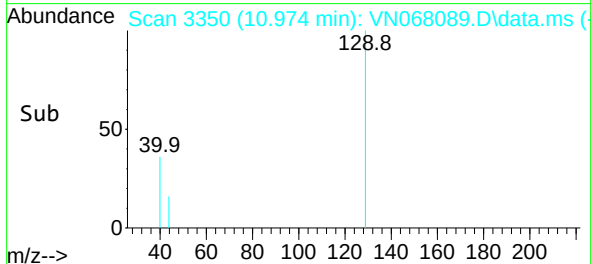
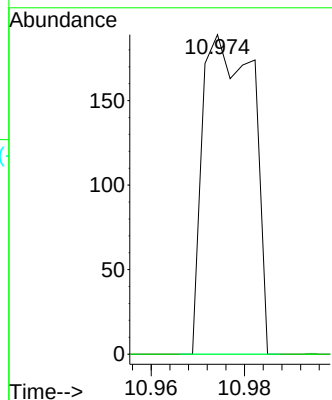
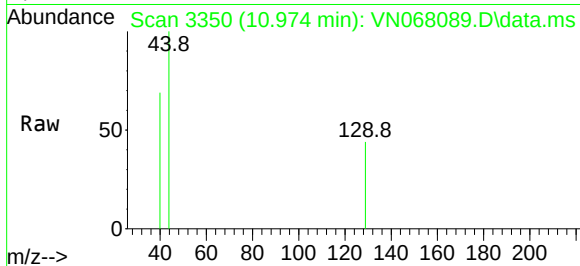




#60
Dibromochloromethane
Concen: 3.327 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.266 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

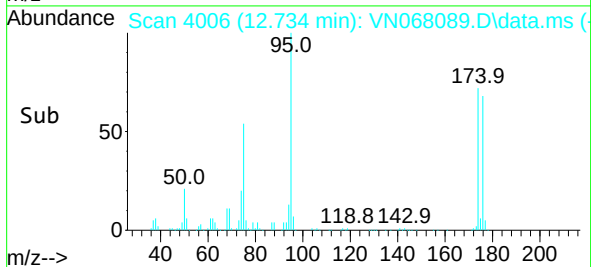
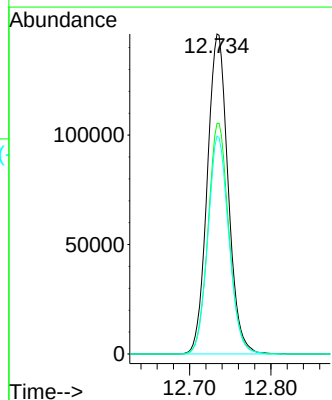
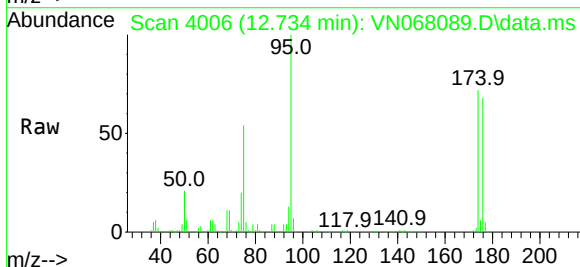
Instrument :
MSVOA_N
ClientSampled :

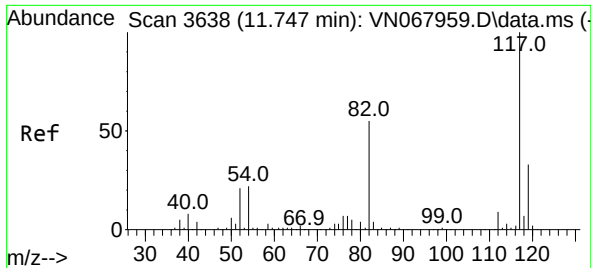
Tgt Ion:129 Resp: 140
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 43.659 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

Tgt Ion: 95 Resp: 259906
Ion Ratio Lower Upper
95 100
174 72.2 0.0 122.0
176 68.6 0.0 117.6

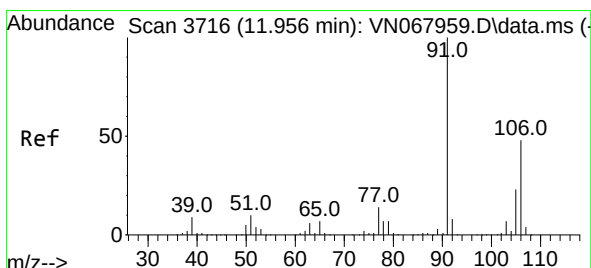
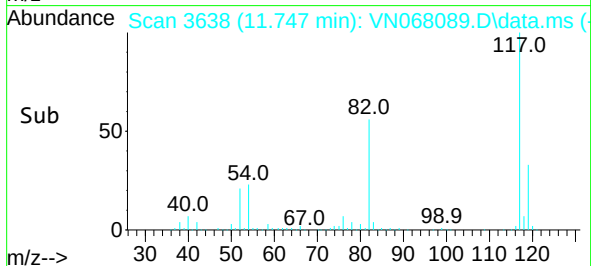
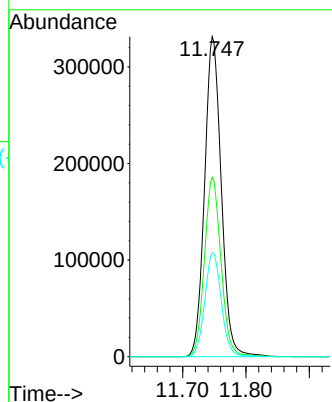
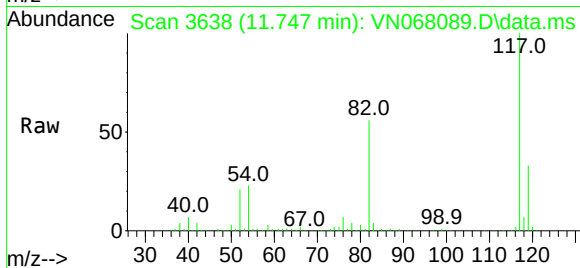




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

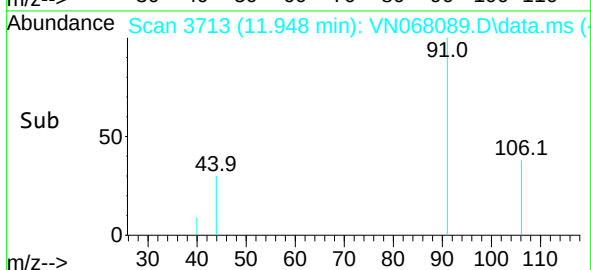
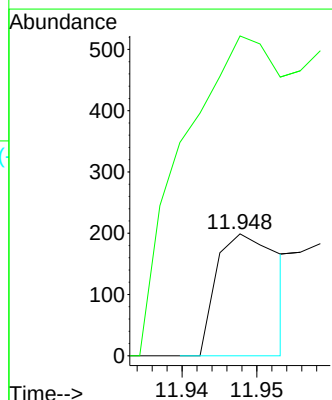
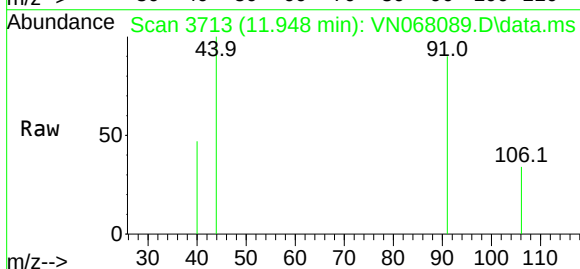
Instrument :
MSVOA_N
ClientSampled :

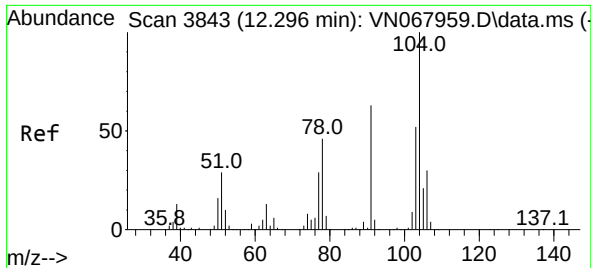
Tgt Ion:117 Resp: 606473
Ion Ratio Lower Upper
117 100
82 56.1 53.1 79.7
119 32.5 25.5 38.3



#68
m/p-Xylenes
Concen: 4.074 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.008 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

Tgt Ion:106 Resp: 115
Ion Ratio Lower Upper
106 100
91 730.4 180.6 270.8#

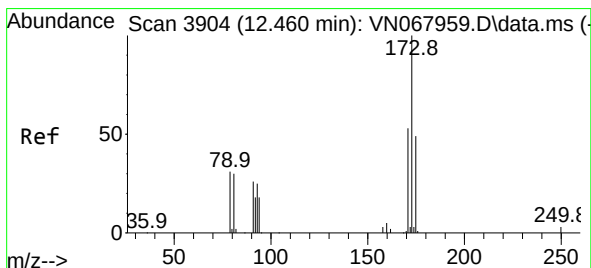
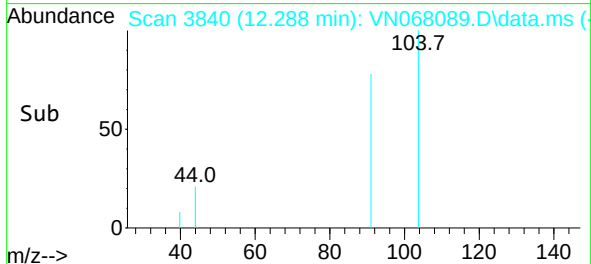
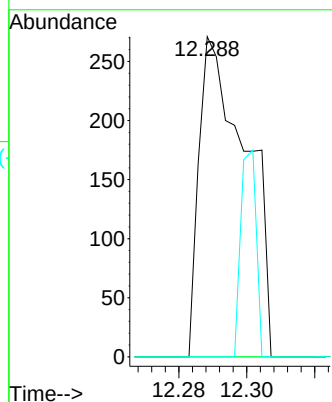
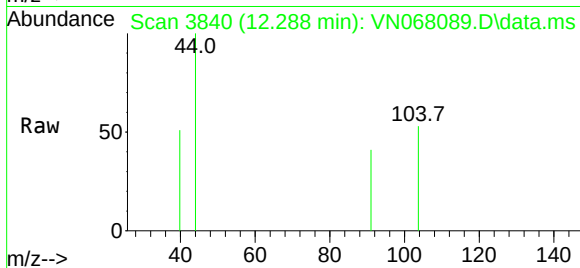




#70
Styrene
Concen: 2.647 ug/l
RT: 12.288 min Scan# 3840
Delta R.T. -0.008 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

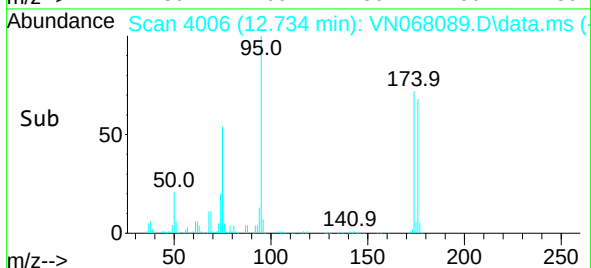
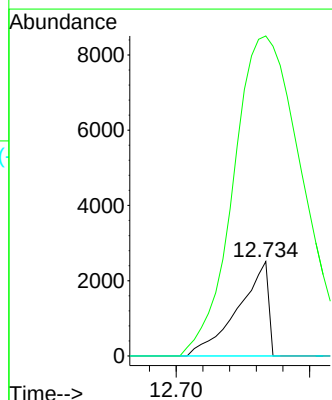
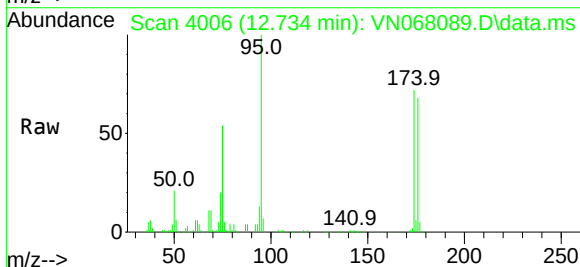
Instrument :
MSVOA_N
ClientSampled :

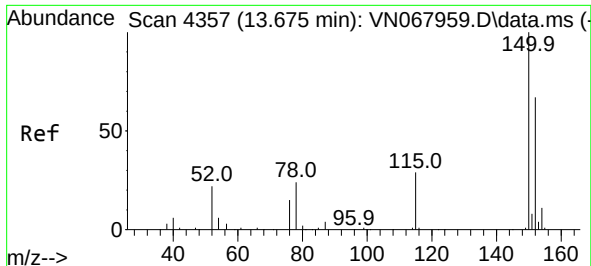
Tgt Ion:104 Resp: 259
Ion Ratio Lower Upper
104 100
78 0.0 48.2 72.2#
103 21.2 44.5 66.7#



#71
Bromoform
Concen: 4.499 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

Tgt Ion:173 Resp: 1975
Ion Ratio Lower Upper
173 100
175 699.3 23.9 71.8#
254 0.0 0.0 0.0

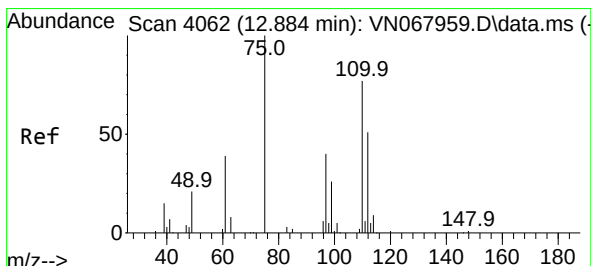
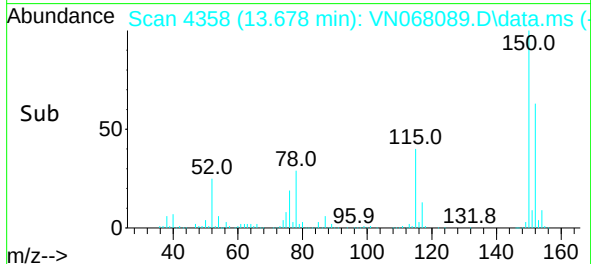
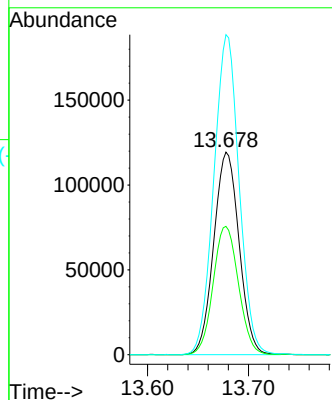
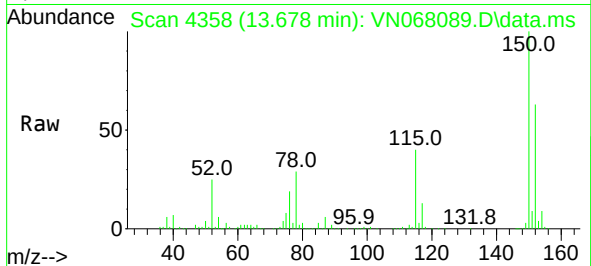




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.003 min
 Lab File: VN068089.D
 Acq: 12 Aug 2021 15:01

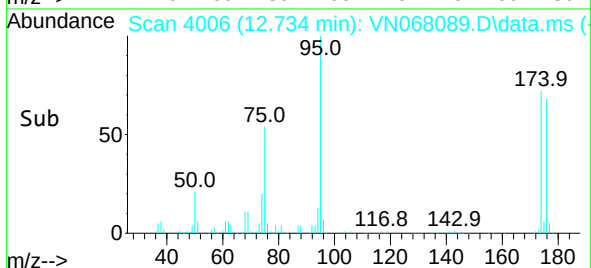
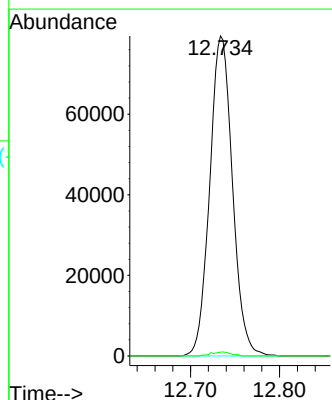
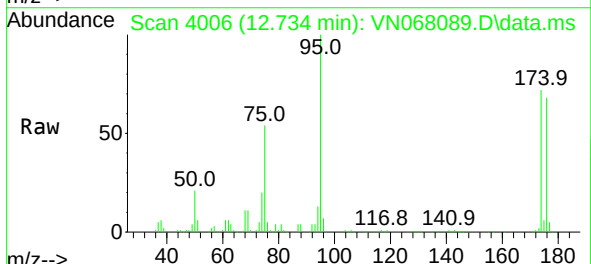
Instrument :
 MSVOA_N
 ClientSampled :

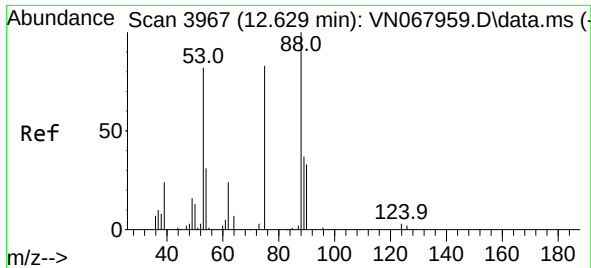
Tgt Ion:152 Resp: 207794
 Ion Ratio Lower Upper
 152 100
 115 63.4 36.1 108.5
 150 157.6 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 33.747 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN068089.D
 Acq: 12 Aug 2021 15:01

Tgt Ion: 75 Resp: 140829
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

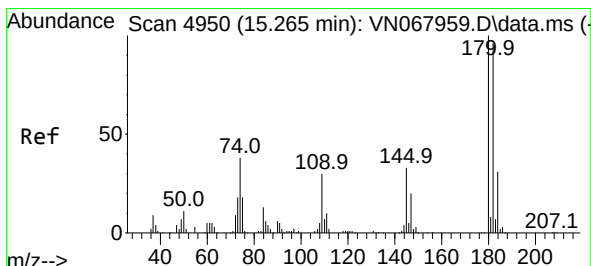
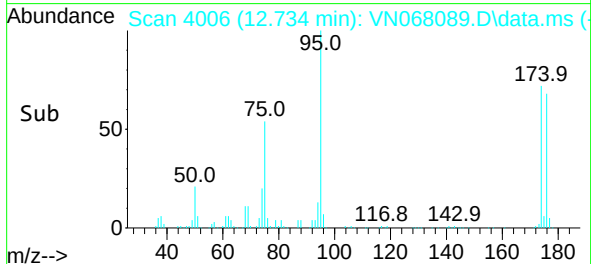
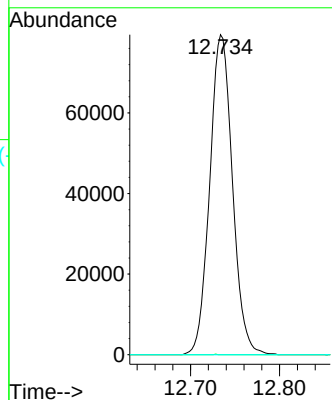
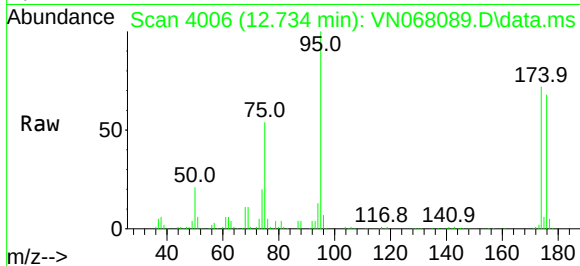




#81
trans-1,4-Dichloro-2-butene
Concen: 90.489 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

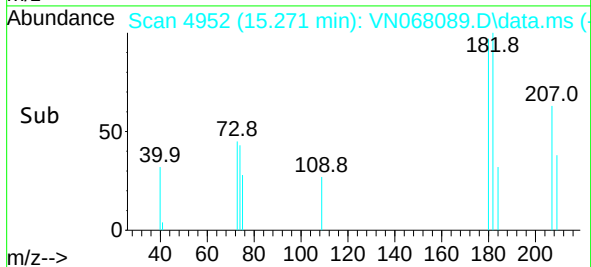
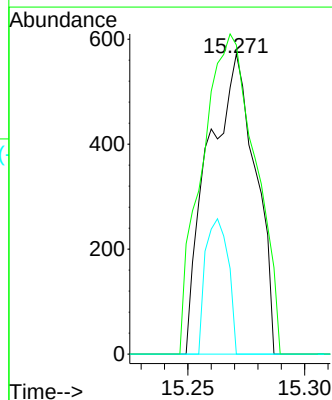
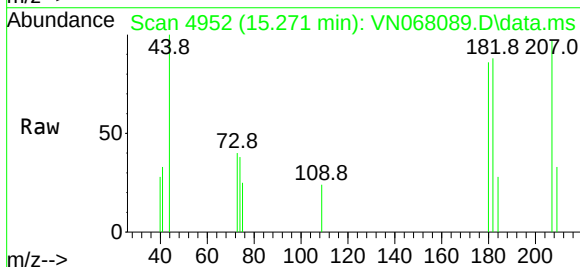
Instrument :
MSVOA_N
ClientSampled :

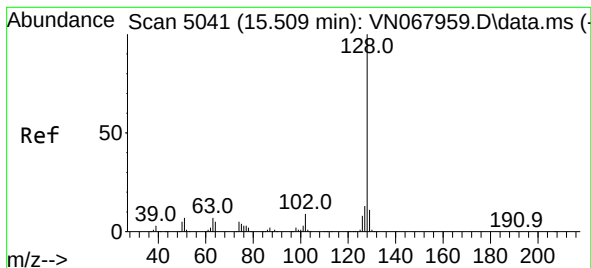
Tgt Ion: 75 Resp: 140829
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.719 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

Tgt Ion:180 Resp: 803
Ion Ratio Lower Upper
180 100
182 120.7 47.5 142.5
145 21.7 17.2 51.6

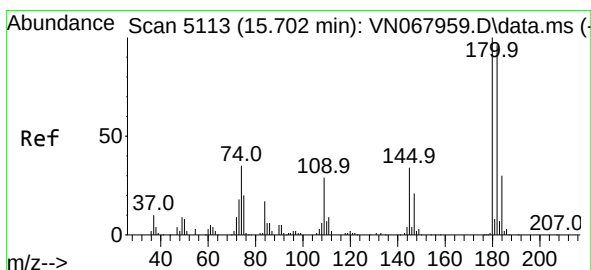
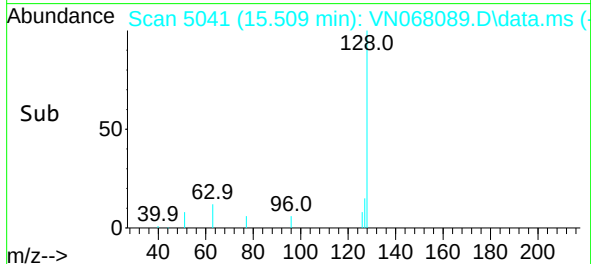
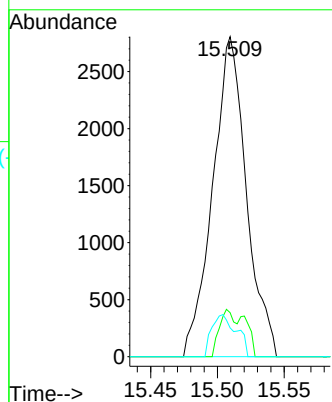
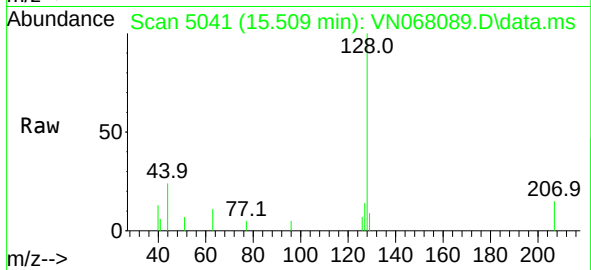




#95
Naphthalene
Concen: 3.653 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 4921
Ion Ratio Lower Upper
128 100
127 7.1 10.6 15.8#
129 9.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.538 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN068089.D
Acq: 12 Aug 2021 15:01

Tgt Ion:180 Resp: 515
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 92.2 18.2 54.6#

