

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
 Data File : VN067684.D
 Acq On : 9 Jul 2021 14:40
 Operator : JC/MD
 Sample : M2975-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 10 05:19:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 01 12:09:22 2021
 Response via : Initial Calibration

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

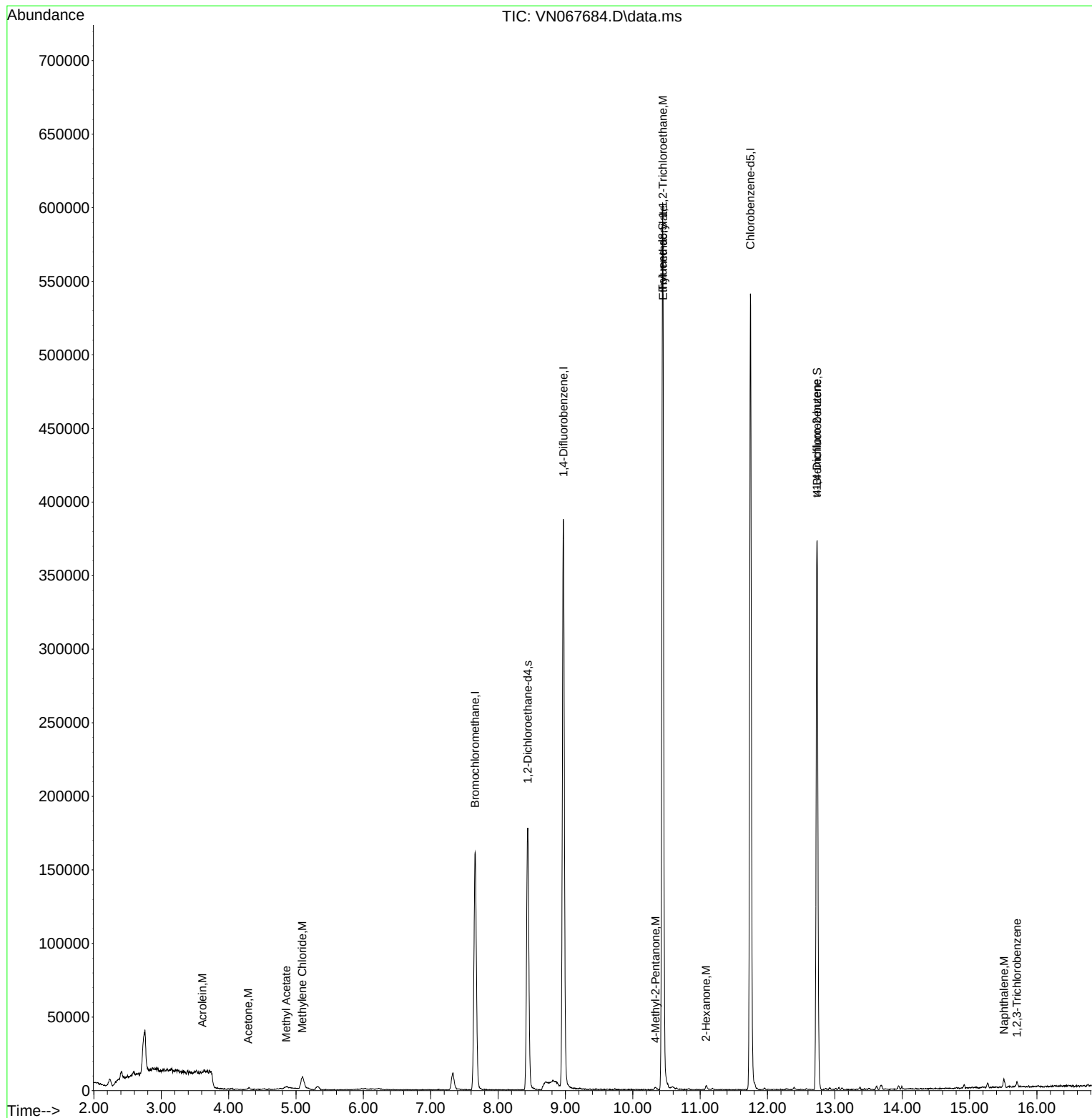
Internal Standards						
1) Bromochloromethane	7.659	128	56077	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	336580	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	301910	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	154651	34.128	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 113.767%#			
60) 4-Bromofluorobenzene	12.736	95	134723	27.430	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.433%			
63) Toluene-d8	10.443	98	418007	30.258	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.867%			
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.856	43	885	0.253	ug/l #	55
13) Acrolein	3.609	56	106	0.215	ug/l	90
15) Acetone	4.291	58	82	0.216	ug/l #	1
18) Methylene Chloride	5.092	84	4236	1.198	ug/l #	70
50) 1,1,2-Trichloroethane	10.448	97	15280	3.598	ug/l #	1
51) Ethyl methacrylate	10.451	69	1663	0.249	ug/l	83
58) 4-Methyl-2-Pentanone	10.338	43	1365	0.260	ug/l #	68
59) 2-Hexanone	11.087	43	2172	0.593	ug/l #	75
77) t-1,4-Dichloro-2-butene	12.733	75	75121	47.274	ug/l #	6
91) Naphthalene	15.509	128	5431	0.521	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.702	180	1267	0.393	ug/l	91

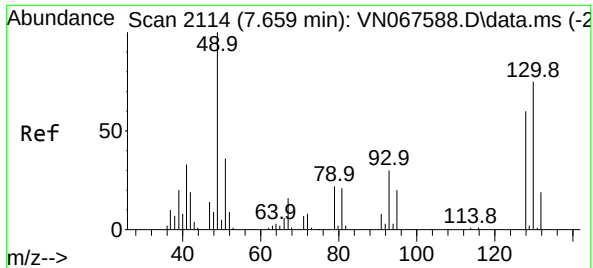
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070921\
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MSVOA_N
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Quant Time: Jul 10 05:19:12 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N070121W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 01 12:09:22 2021
Response via : Initial Calibration

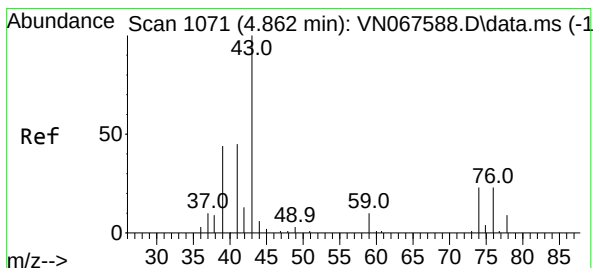
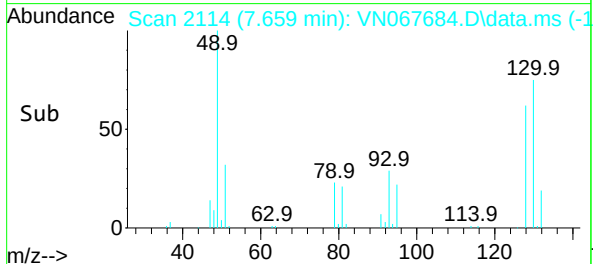
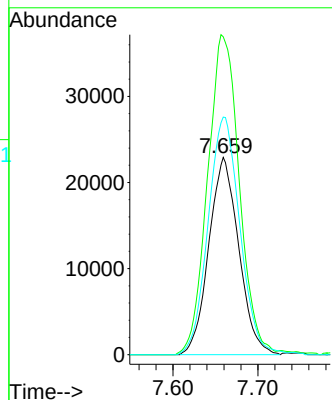
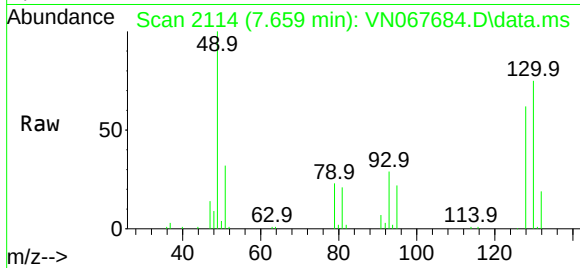




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2114
Delta R.T. 0.000 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

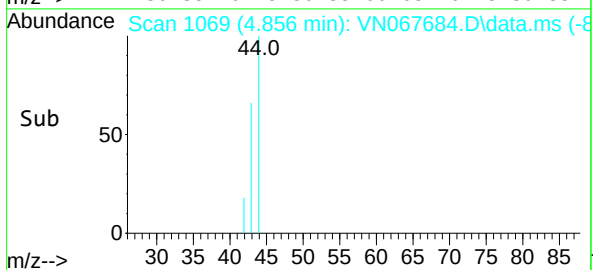
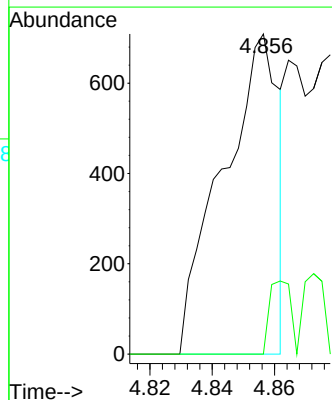
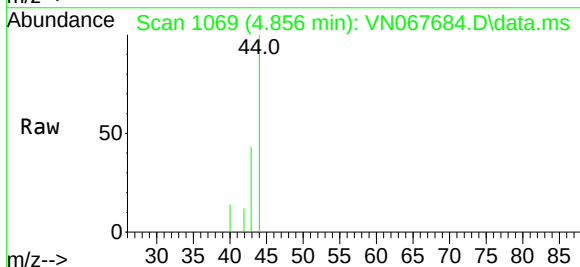
Instrument :
MSVOA_N
ClientSampleId :
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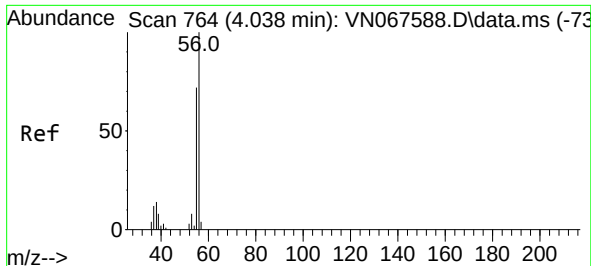
Tgt Ion:128 Resp: 56077
Ion Ratio Lower Upper
128 100
49 171.4 0.0 517.5
130 128.0 0.0 325.8



#12
Methyl Acetate
Concen: 0.253 ug/l
RT: 4.856 min Scan# 1069
Delta R.T. -0.005 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

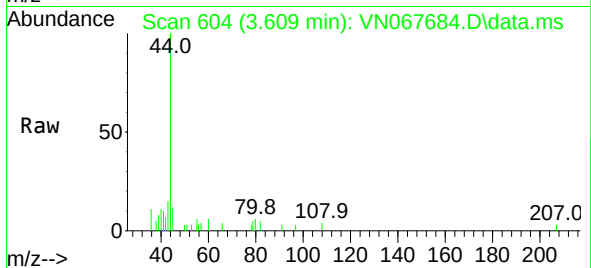
Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



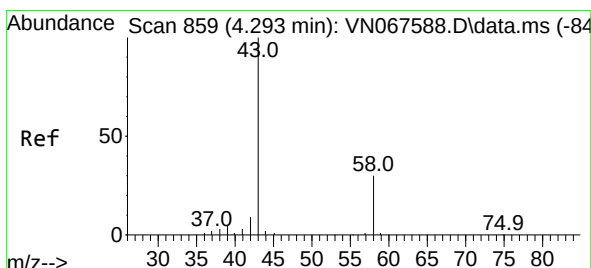
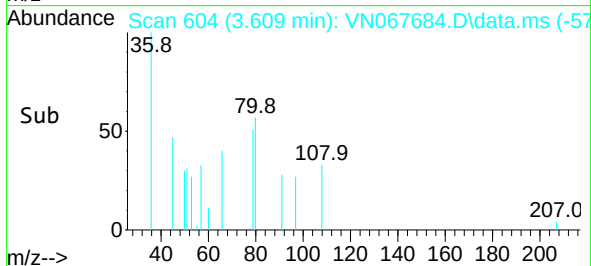
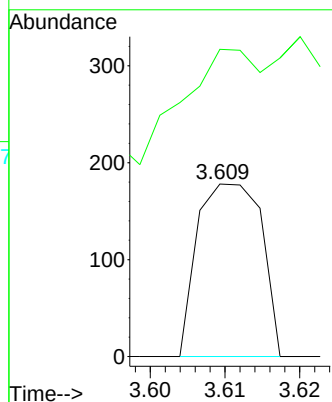


#13
Acrolein
Concen: 0.215 ug/l
RT: 3.609 min Scan# 604
Delta R.T. -0.429 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

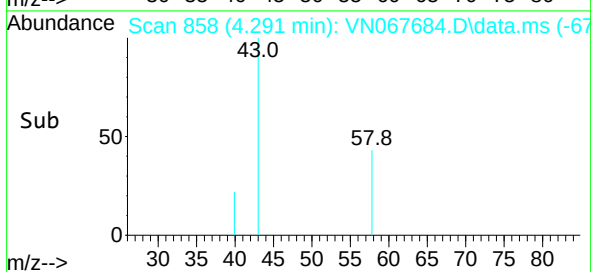
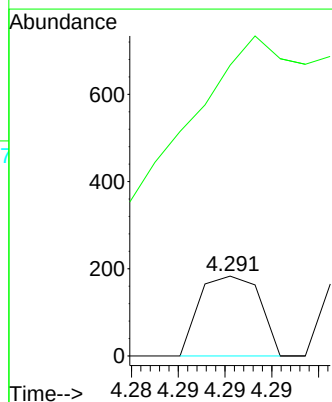
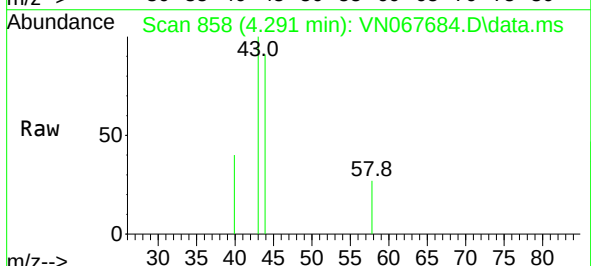


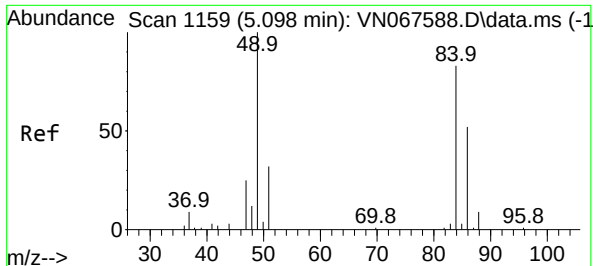
Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 80.2 57.5 86.3



#15
Acetone
Concen: 0.216 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.003 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

Tgt Ion: 58 Resp: 82
Ion Ratio Lower Upper
58 100
43 83.1 289.6 434.4#





#18

Methylene Chloride

Concen: 1.198 ug/l

RT: 5.092 min Scan# 1157

Delta R.T. -0.005 min

Lab File: VN067684.D

Acq: 9 Jul 2021 14:40

Tgt Ion: 84 Resp: 4236

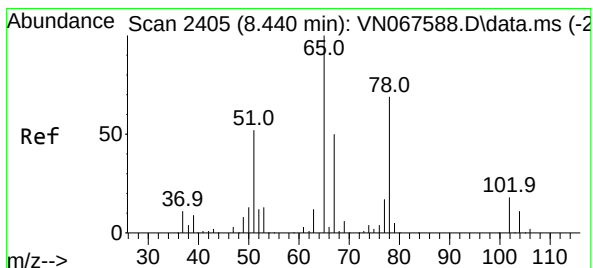
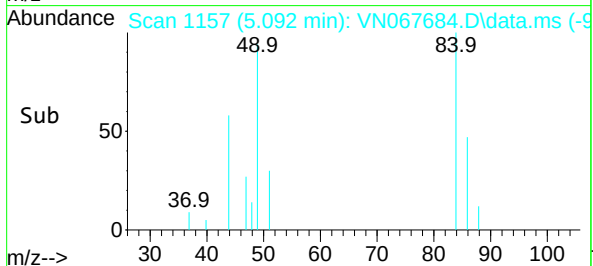
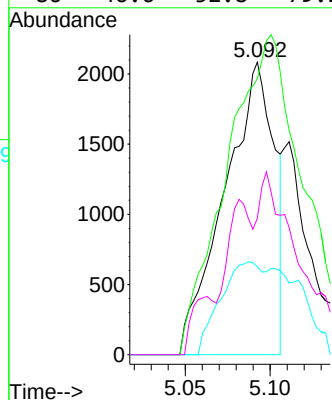
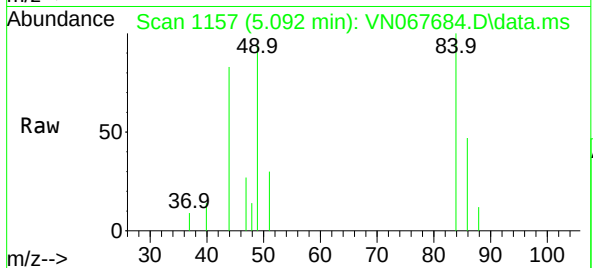
Ion Ratio Lower Upper

84 100

49 94.3 110.9 166.3#

51 30.0 31.2 46.8#

86 46.6 52.8 79.2#



#27

1,2-Dichloroethane-d4

Concen: 34.128 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN067684.D

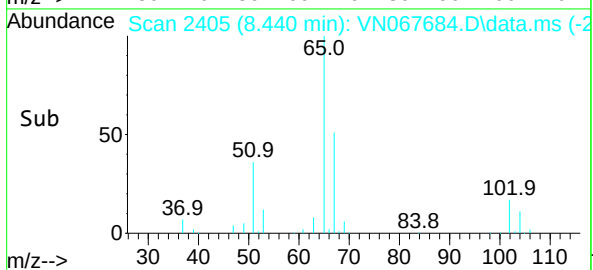
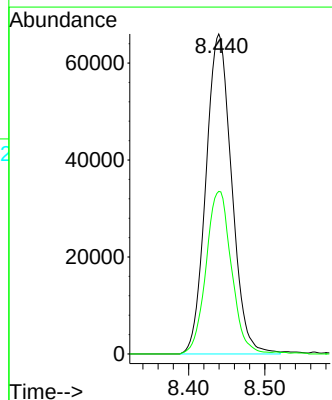
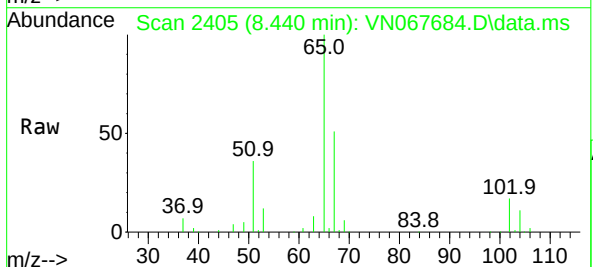
Acq: 9 Jul 2021 14:40

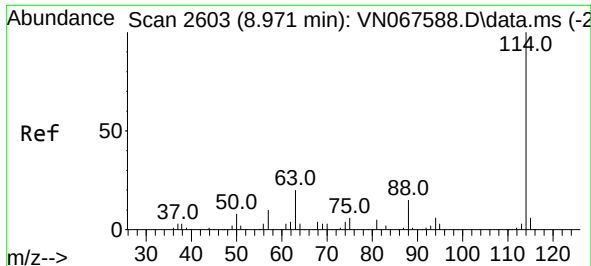
Tgt Ion: 65 Resp: 154651

Ion Ratio Lower Upper

65 100

67 50.2 39.8 59.8

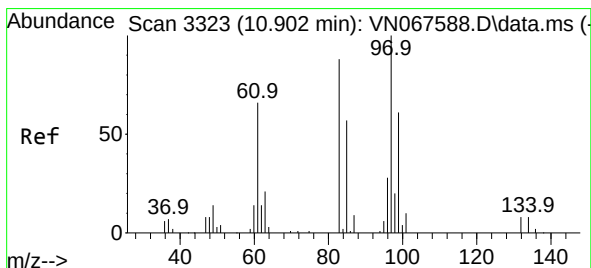
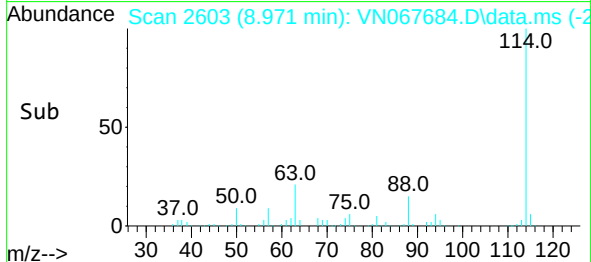
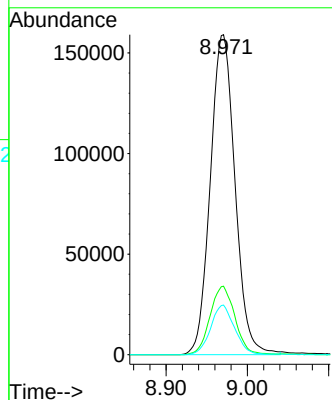
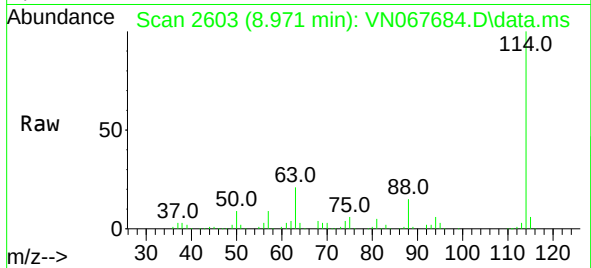




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.000 min
 Lab File: VN067684.D
 Acq: 9 Jul 2021 14:40

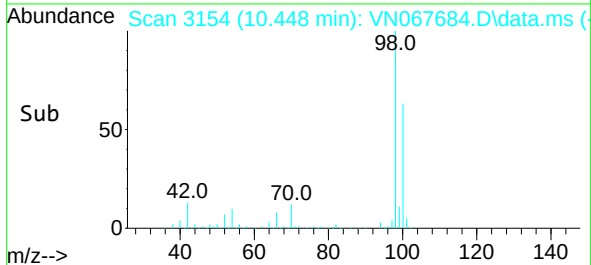
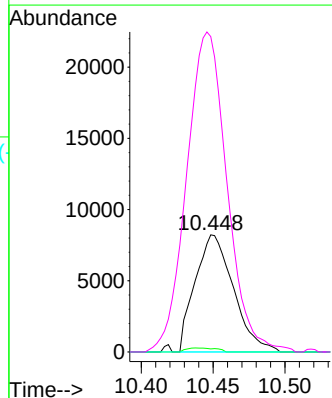
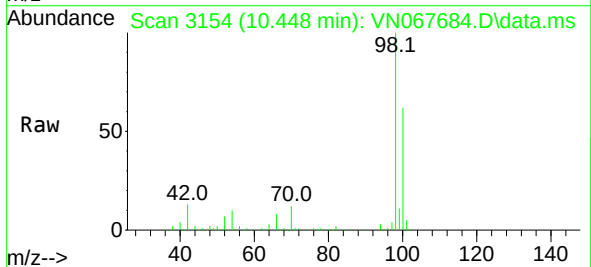
Instrument :
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 ClientSampleId :
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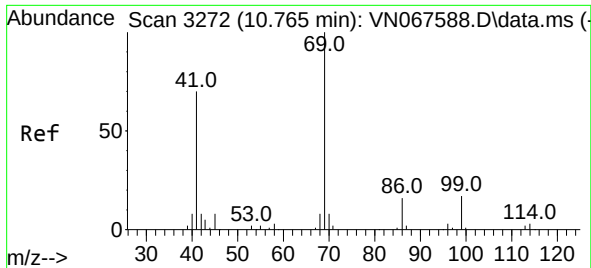
Tgt Ion:114 Resp: 336580
 Ion Ratio Lower Upper
 114 100
 63 21.6 20.3 30.5
 88 15.1 14.6 22.0



#50
 1,1,2-Trichloroethane
 Concen: 3.598 ug/l
 RT: 10.448 min Scan# 3154
 Delta R.T. -0.453 min
 Lab File: VN067684.D
 Acq: 9 Jul 2021 14:40

Tgt Ion: 97 Resp: 15280
 Ion Ratio Lower Upper
 97 100
 83 2.7 69.6 104.4#
 85 0.0 45.2 67.8#
 99 264.8 47.8 71.6#

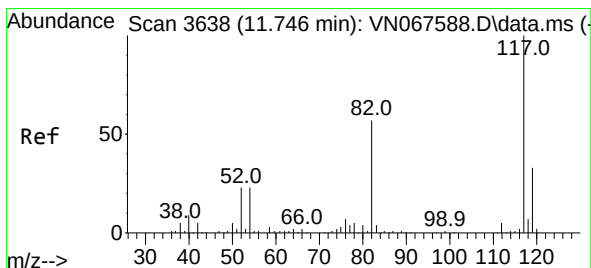
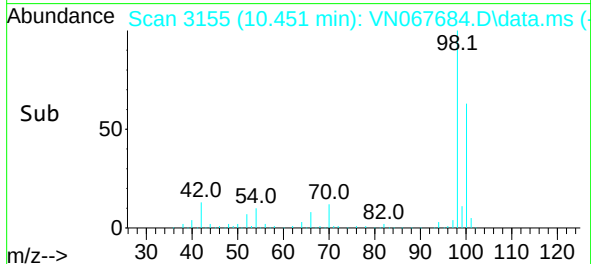
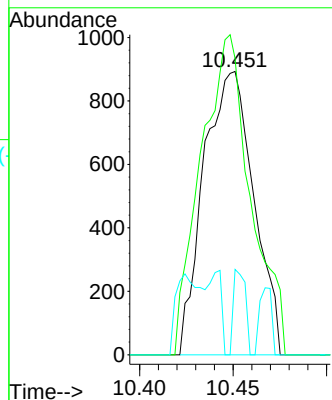
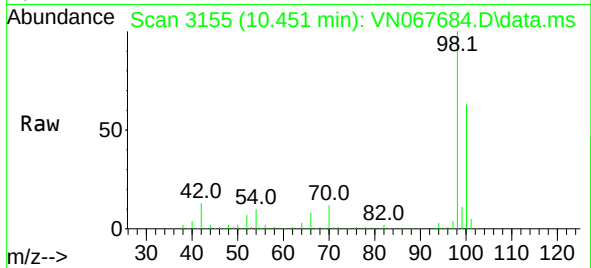




#51
Ethyl methacrylate
Concen: 0.249 ug/l
RT: 10.451 min Scan# 3155
Delta R.T. -0.314 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

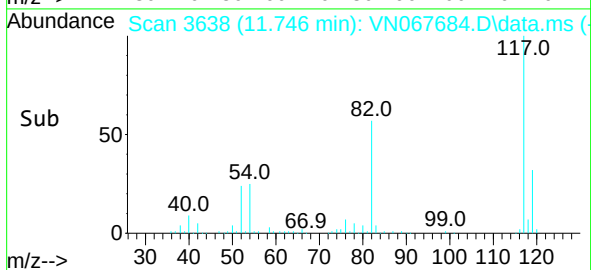
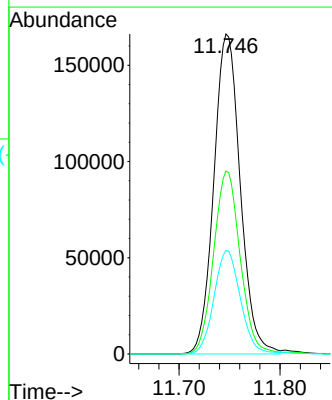
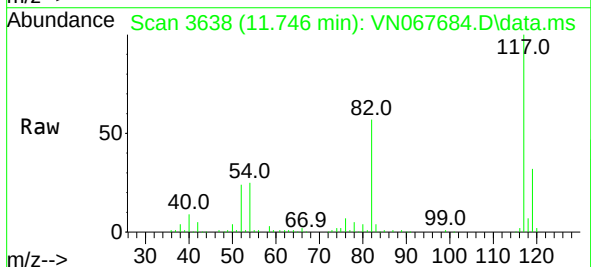
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ClientSampleId :
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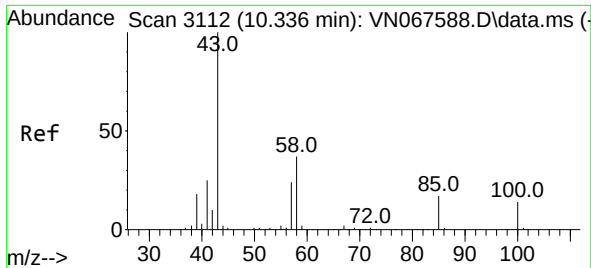
Tgt Ion:	69	Resp:	1663
Ion	Ratio	Lower	Upper
69	100		
41	82.6	36.8	110.4
39	30.1	23.8	71.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

Tgt Ion:	117	Resp:	301910
Ion	Ratio	Lower	Upper
117	100		
82	57.5	52.5	78.7
119	32.2	25.8	38.8

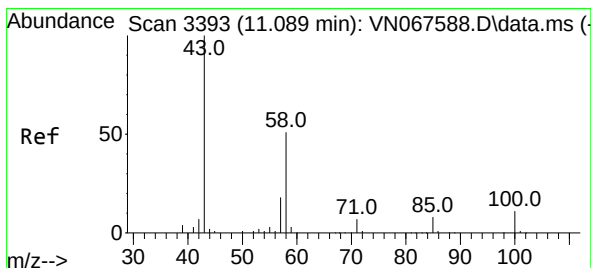
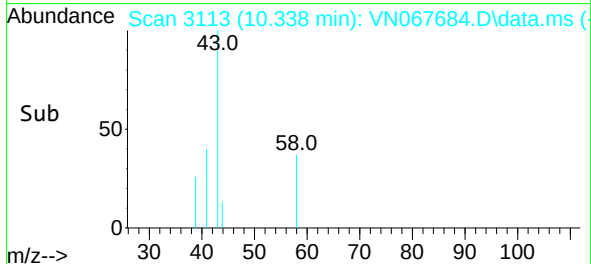
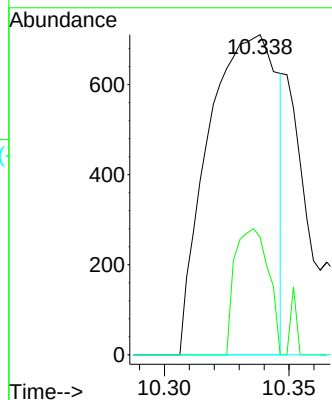
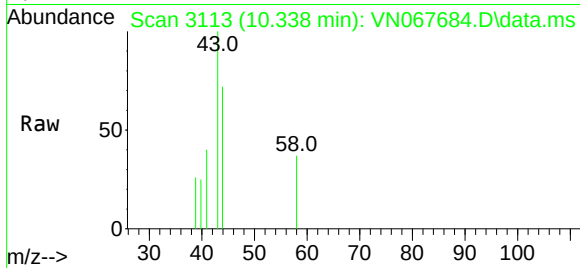




#58
4-Methyl-2-Pentanone
Concen: 0.260 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.003 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

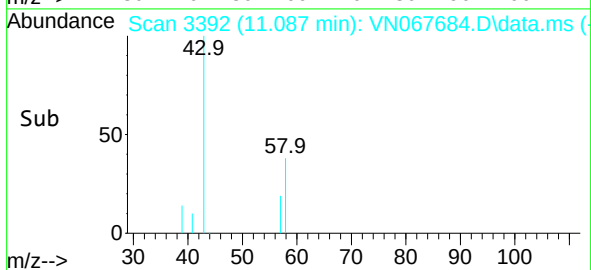
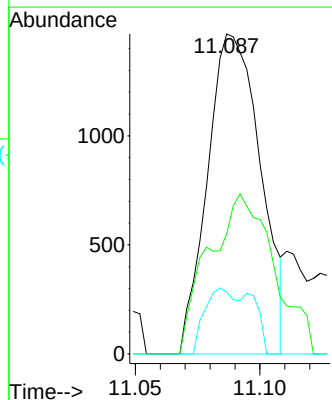
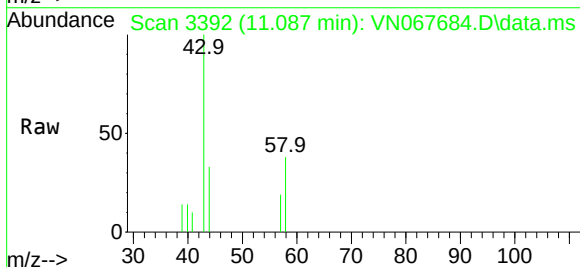
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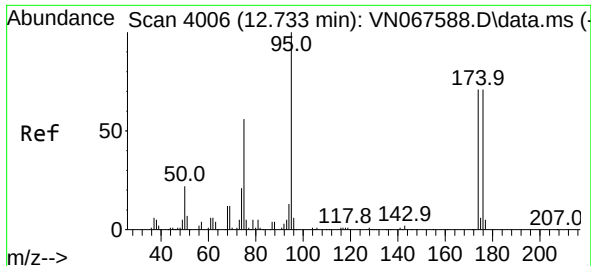
Tgt Ion: 43 Resp: 1365
Ion Ratio Lower Upper
43 100
58 19.2 29.0 43.4#
85 0.0 13.2 19.8#



#59
2-Hexanone
Concen: 0.593 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.003 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

Tgt Ion: 43 Resp: 2172
Ion Ratio Lower Upper
43 100
58 29.2 39.4 59.0#
57 12.8 14.4 21.6#

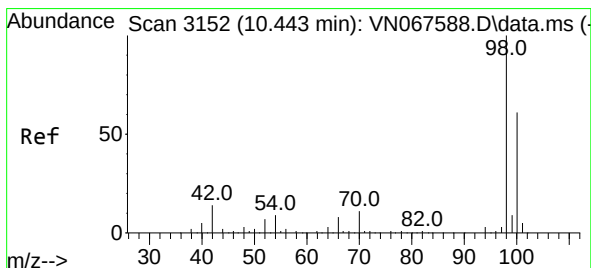
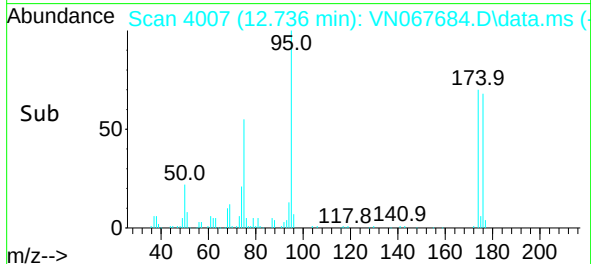
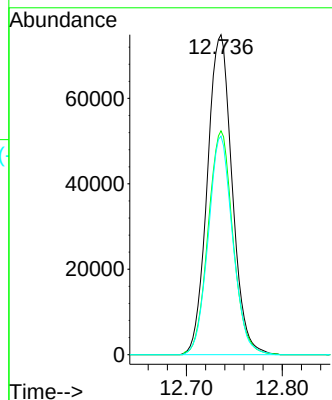
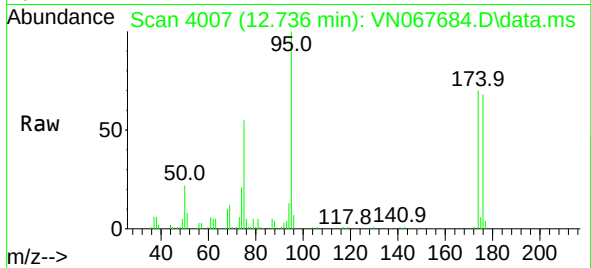




#60
4-Bromofluorobenzene
Concen: 27.430 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

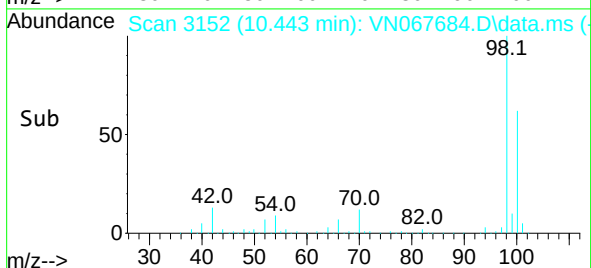
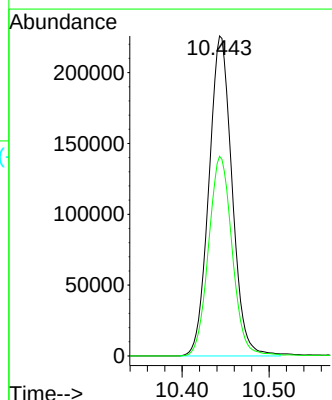
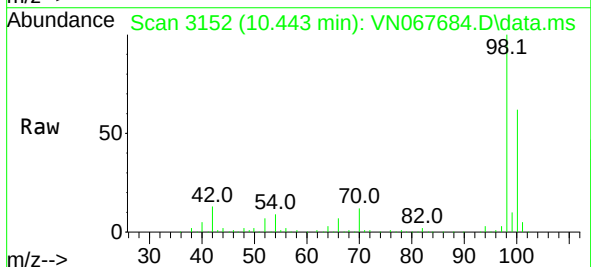
Instrument :
MSVOA_N
ClientSampleId :
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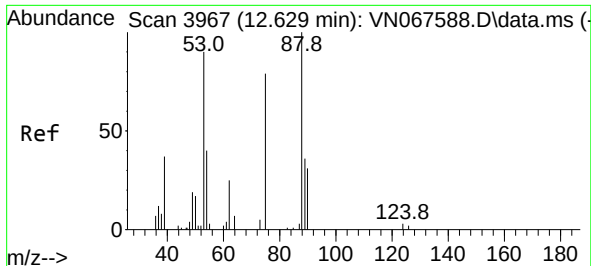
Tgt Ion: 95 Resp: 134723
Ion Ratio Lower Upper
95 100
174 70.1 47.7 71.5
176 67.4 45.7 68.5



#63
Toluene-d8
Concen: 30.258 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

Tgt Ion: 98 Resp: 418007
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8

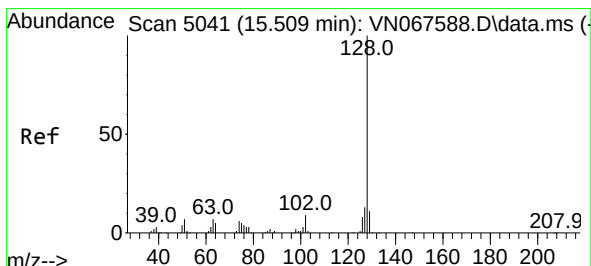
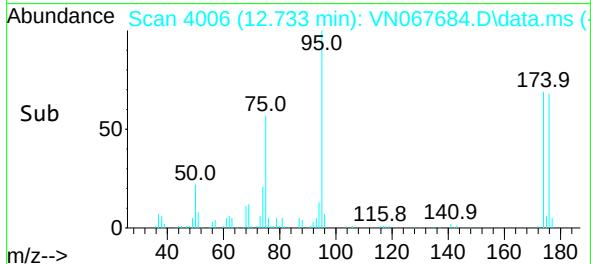
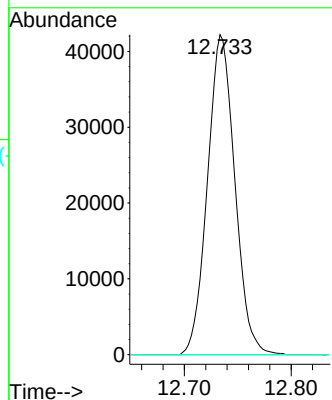
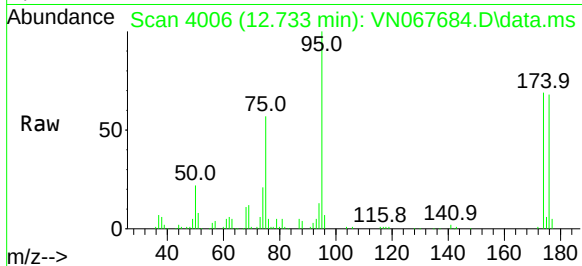




#77
t-1,4-Dichloro-2-butene
Concen: 47.274 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

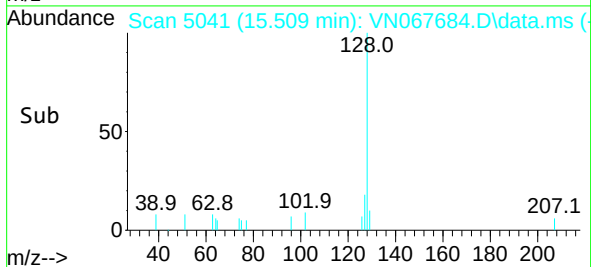
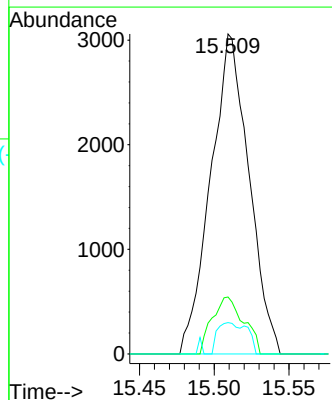
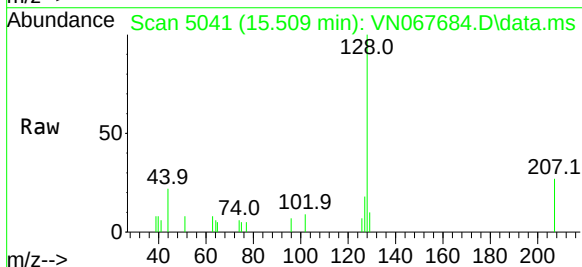
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

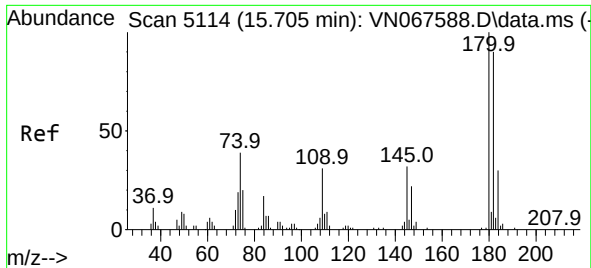
Tgt Ion: 75 Resp: 75121
Ion Ratio Lower Upper
75 100
53 0.0 55.2 165.6#
89 0.0 24.5 73.5#



#91
Naphthalene
Concen: 0.521 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. -0.000 min
Lab File: VN067684.D
Acq: 9 Jul 2021 14:40

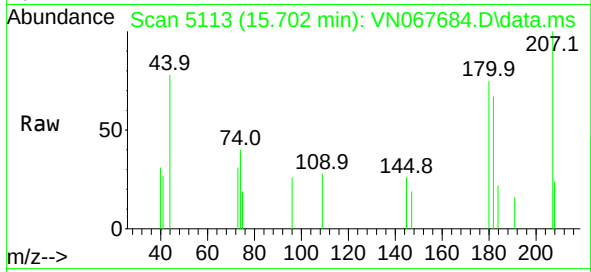
Tgt Ion:128 Resp: 5431
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 5.5 8.9 13.3#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.393 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. -0.003 min
 Lab File: VN067684.D
 Acq: 9 Jul 2021 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK



Tgt Ion:	180	Resp:	1267
Ion	Ratio	Lower	Upper
180	100		
182	91.1	0.0	184.6
145	20.3	0.0	76.0

