

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062121\
 Data File : VN067414.D
 Acq On : 21 Jun 2021 14:12
 Operator : JC/MD
 Sample : M2782-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-WATER-SAMPLE

Quant Time: Jun 22 03:10:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

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

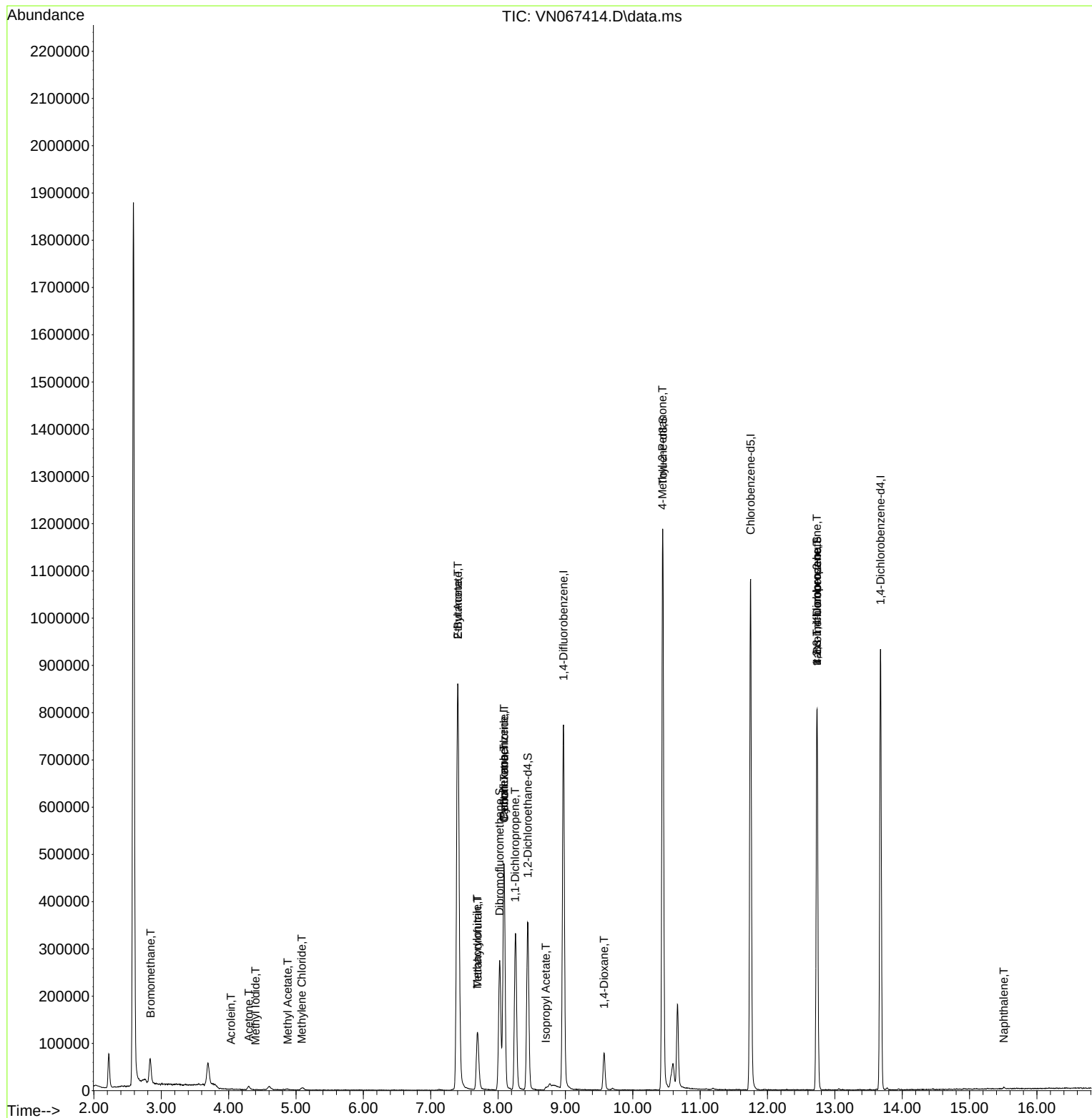
Internal Standards						
1) Pentafluorobenzene	8.088	168	305382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	616815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	571494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	207343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	303862	50.44	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.88%			
35) Dibromofluoromethane	8.024	113	197595	48.17	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.34%			
50) Toluene-d8	10.446	98	820828	52.20	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.40%			
62) 4-Bromofluorobenzene	12.736	95	301533	46.47	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.94%			
Target Compounds						Qvalue
5) Bromomethane	2.842	94	418	0.22	ug/l #	4
10) Methyl Iodide	4.400	142	49	6.75	ug/l #	33
13) Acrolein	4.033	56	280	0.45	ug/l	96
16) Acetone	4.299	43	12415	5.37	ug/l #	89
18) Methyl Acetate	4.875	43	3705	0.66	ug/l #	67
20) Methylene Chloride	5.084	84	1968	0.41	ug/l #	68
25) 2-Butanone	7.402	43	219927	66.57	ug/l #	51
29) Tetrahydrofuran	7.697	42	94915	45.57	ug/l	97
31) Cyclohexane	8.085	56	10885	1.33	ug/l #	30
36) 1,1-Dichloropropene	8.252	75	1661	0.24	ug/l #	44
37) Ethyl Acetate	7.402	43	219927	30.02	ug/l #	69
38) Carbon Tetrachloride	8.091	117	38606	5.19	ug/l #	16
41) Methacrylonitrile	7.691	41	59610	15.65	ug/l #	45
43) Isopropyl Acetate	8.710	43	3656	0.28	ug/l #	58
49) 1,4-Dioxane	9.574	88	59428	724.18	ug/l	96
51) 4-Methyl-2-Pentanone	10.440	43	4560	0.60	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	177467	32.96	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	177467	81.68	ug/l #	6
95) Naphthalene	15.507	128	2767	2.82	ug/l #	87

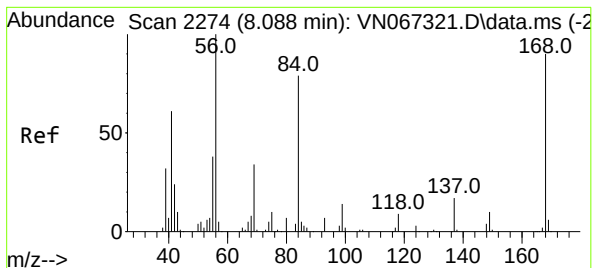
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN067414.D

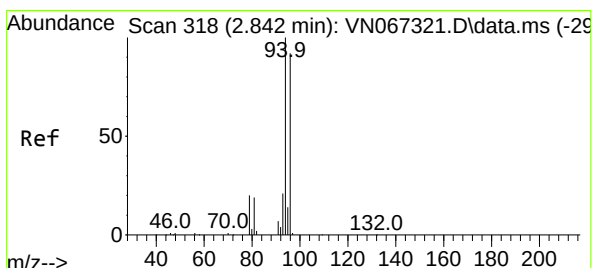
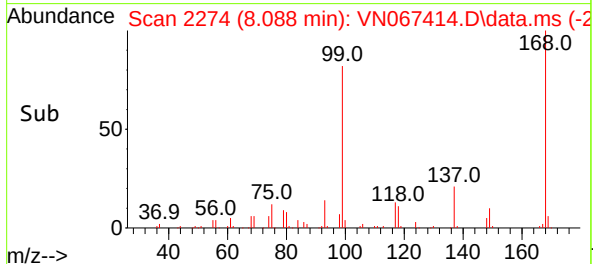
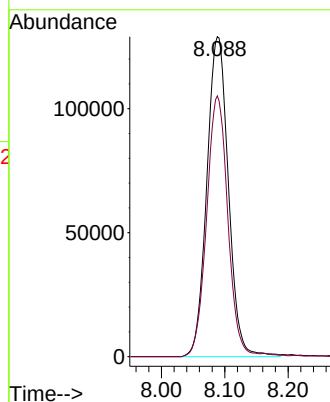
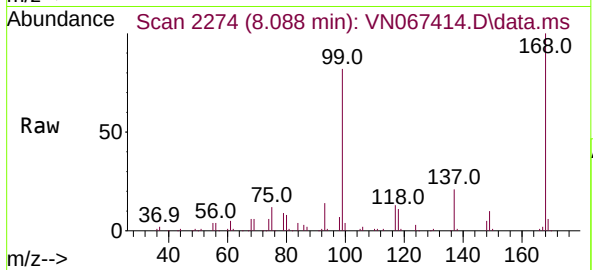
Acq: 21 Jun 2021 14:12

Tgt Ion:168 Resp: 305382

Ion Ratio Lower Upper

168 100

99 81.5 62.9 94.3



#5

Bromomethane

Concen: 0.22 ug/l

RT: 2.842 min Scan# 318

Delta R.T. 0.000 min

Lab File: VN067414.D

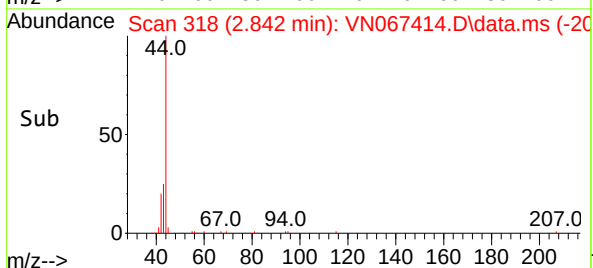
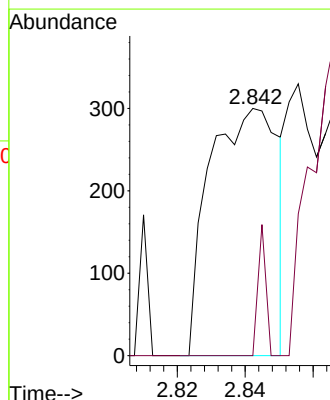
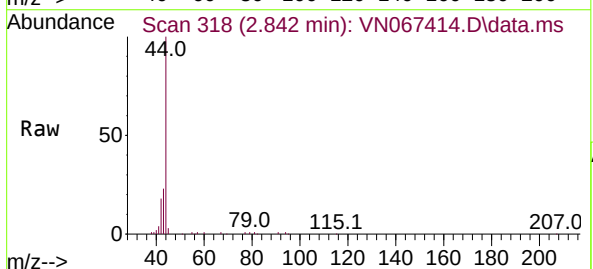
Acq: 21 Jun 2021 14:12

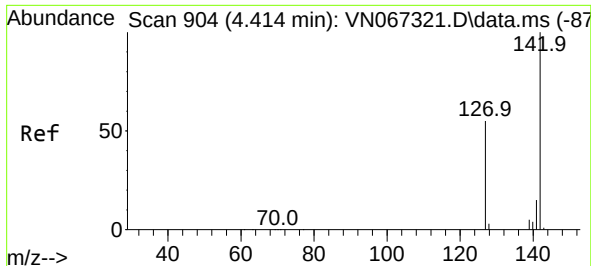
Tgt Ion: 94 Resp: 418

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

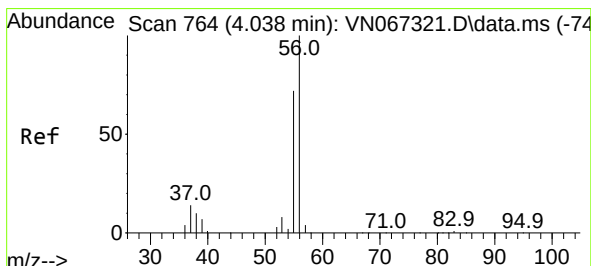
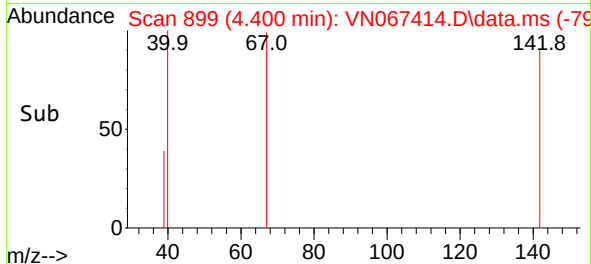
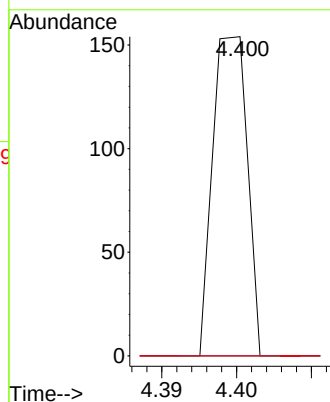
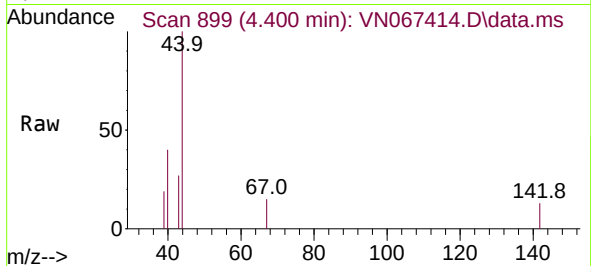




#10
Methyl Iodide
Concen: 6.75 ug/l
RT: 4.400 min Scan# 899
Delta R.T. -0.014 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

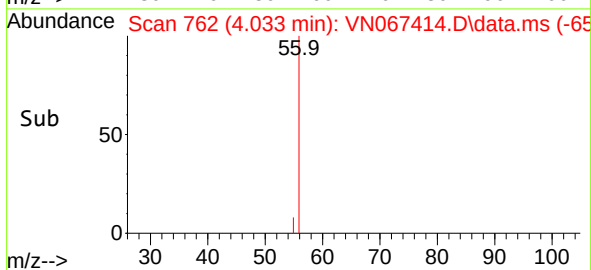
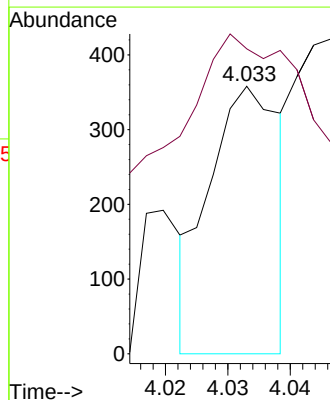
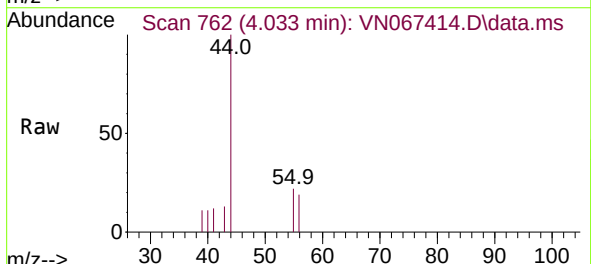
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

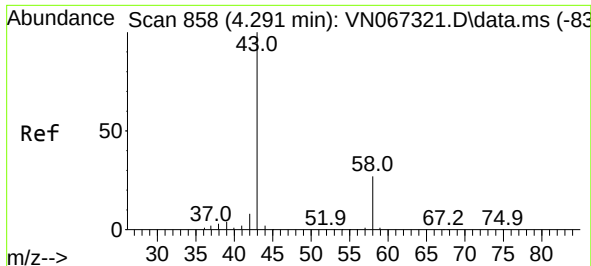
Tgt Ion:142 Resp: 49
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 0.45 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

Tgt Ion: 56 Resp: 280
Ion Ratio Lower Upper
56 100
55 75.0 57.4 86.0

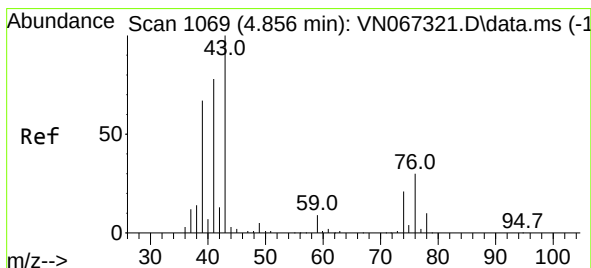
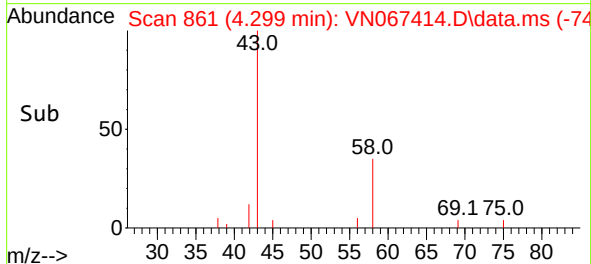
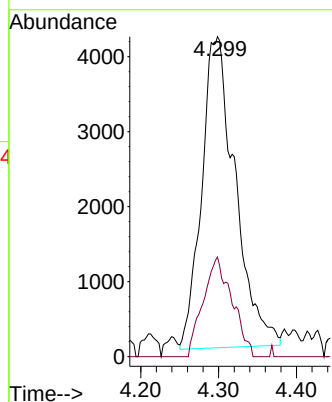
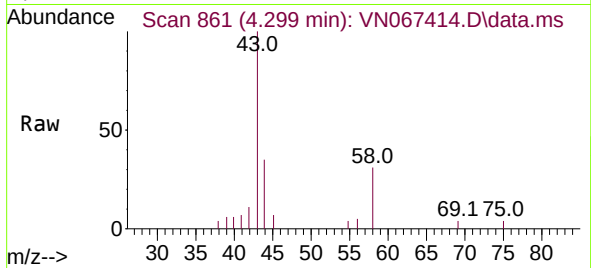




#16
Acetone
Concen: 5.37 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

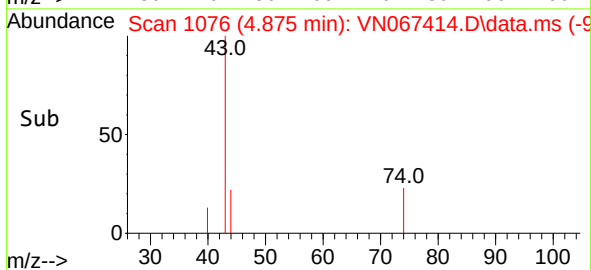
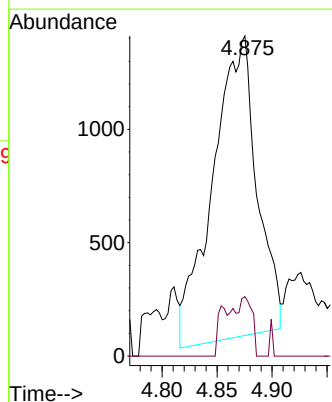
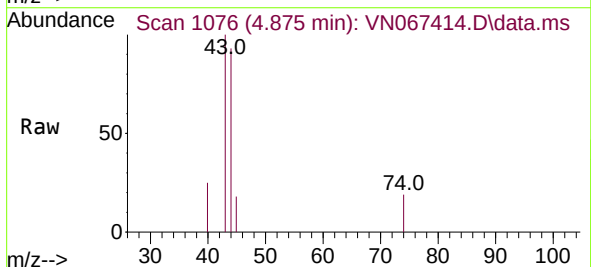
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

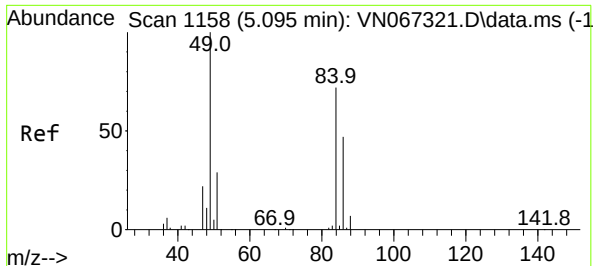
Tgt Ion: 43 Resp: 12415
Ion Ratio Lower Upper
43 100
58 32.3 21.2 31.8#



#18
Methyl Acetate
Concen: 0.66 ug/l
RT: 4.875 min Scan# 1076
Delta R.T. 0.019 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

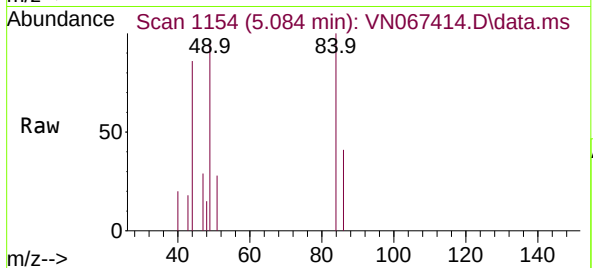
Tgt Ion: 43 Resp: 3705
Ion Ratio Lower Upper
43 100
74 5.9 17.4 26.0#



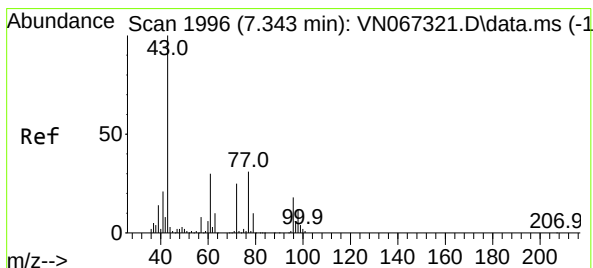
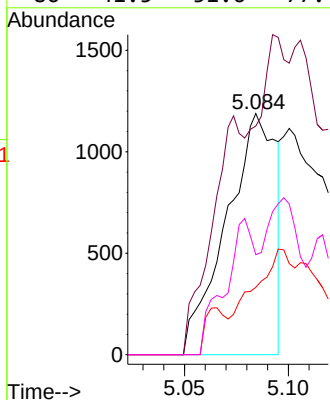
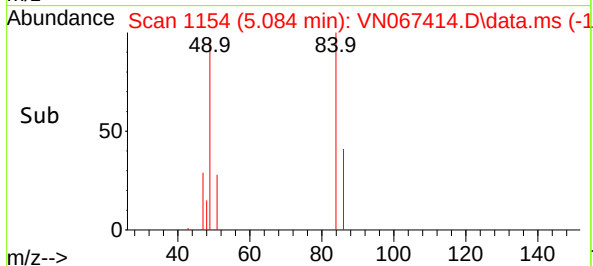


#20
Methylene Chloride
Concen: 0.41 ug/l
RT: 5.084 min Scan# 1154
Delta R.T. -0.011 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

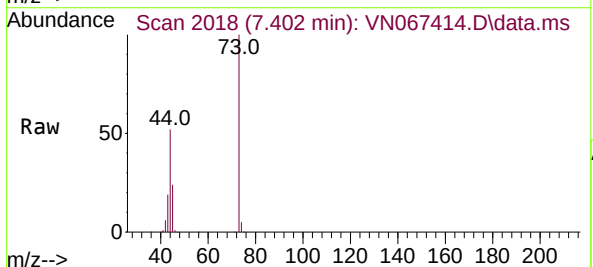
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE



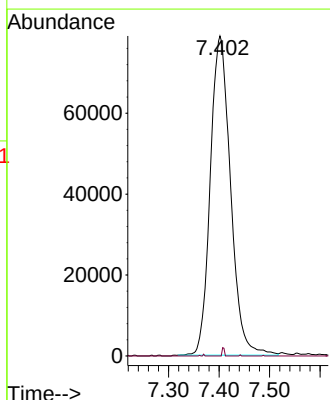
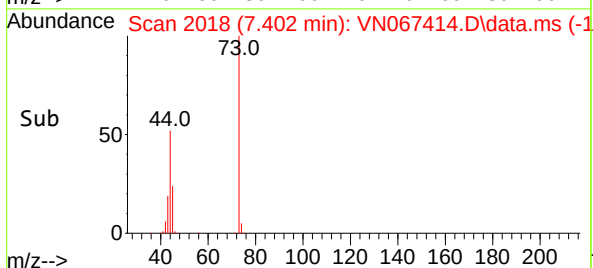
Tgt Ion	Ratio	Lower	Upper
84	100		
49	94.9	110.9	166.3#
51	27.9	32.6	49.0#
86	41.5	51.6	77.4#

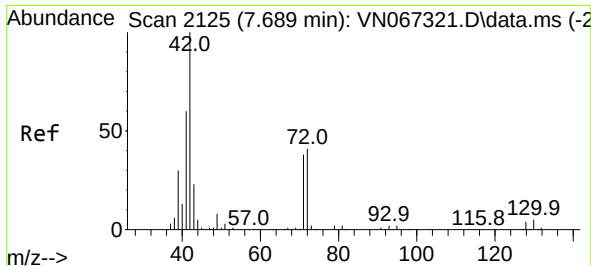


#25
2-Butanone
Concen: 66.57 ug/l
RT: 7.402 min Scan# 2018
Delta R.T. 0.059 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12



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





#29

Tetrahydrofuran

Concen: 45.57 ug/l

RT: 7.697 min Scan# 2128

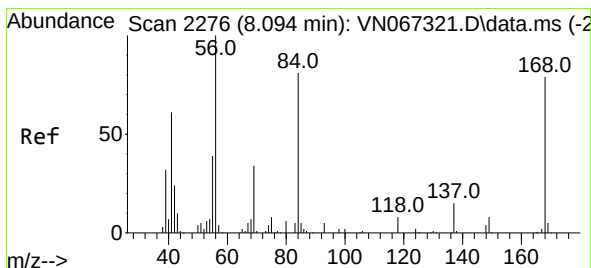
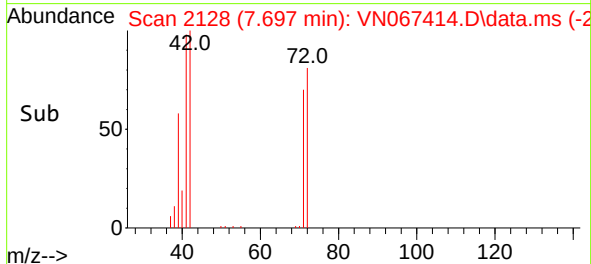
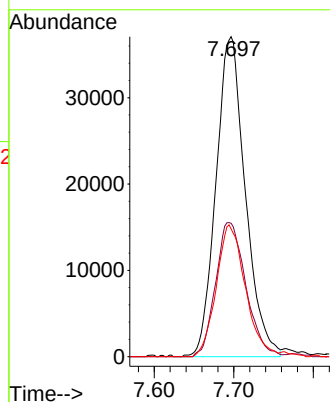
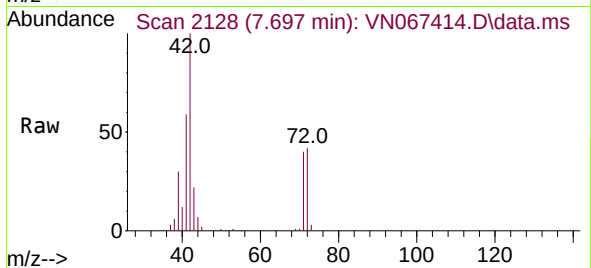
Delta R.T. 0.008 min

Lab File: VN067414.D

Acq: 21 Jun 2021 14:12

Tgt Ion: 42	Resp: 94915
Ion Ratio	Lower Upper
42 100	
72 43.2	32.8 49.2
71 40.7	31.2 46.8

Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE



#31

Cyclohexane

Concen: 1.33 ug/l

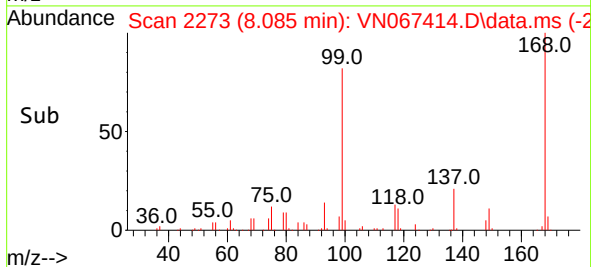
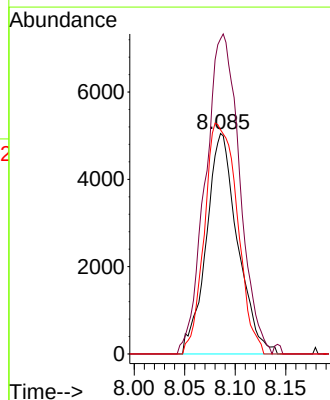
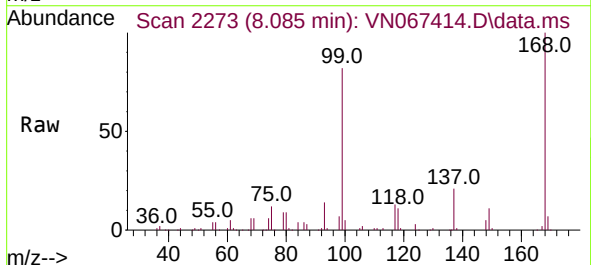
RT: 8.085 min Scan# 2273

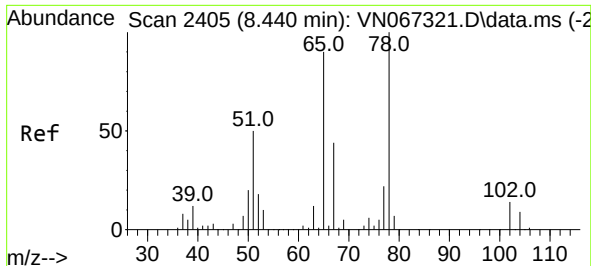
Delta R.T. -0.009 min

Lab File: VN067414.D

Acq: 21 Jun 2021 14:12

Tgt Ion: 56	Resp: 10885
Ion Ratio	Lower Upper
56 100	
69 139.2	27.3 40.9#
84 101.6	64.9 97.3#



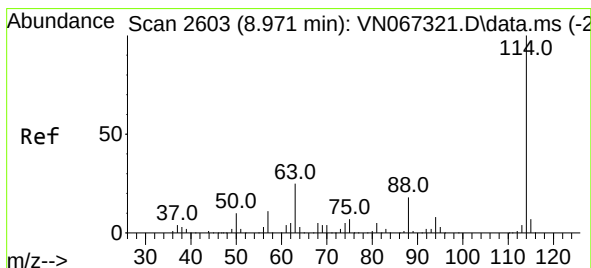
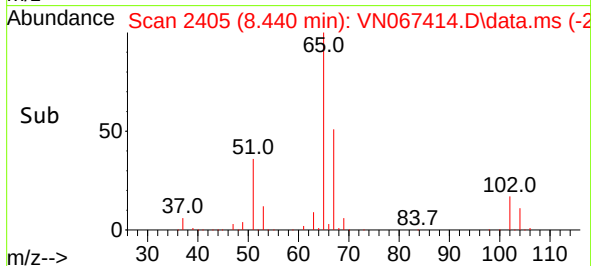
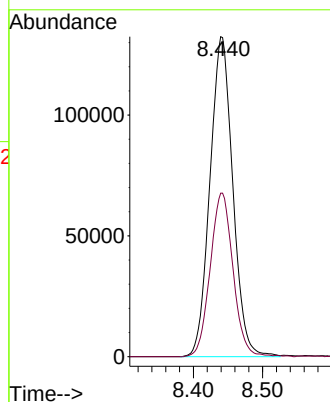
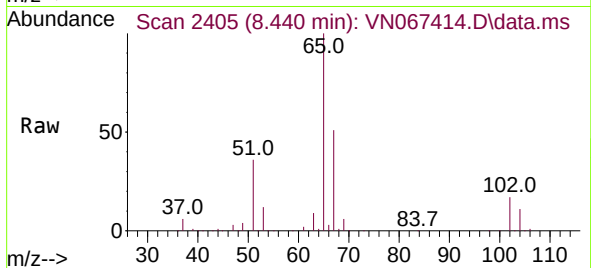


#33

1,2-Dichloroethane-d4
Concen: 50.44 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

Instrument :
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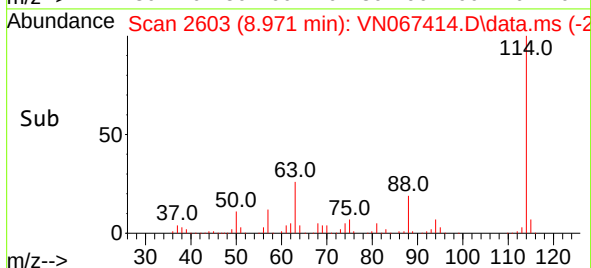
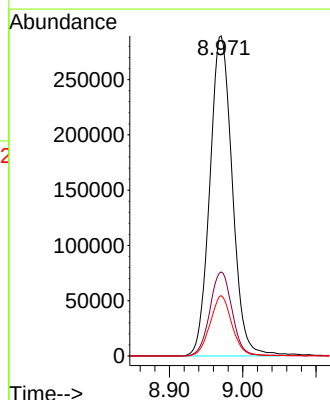
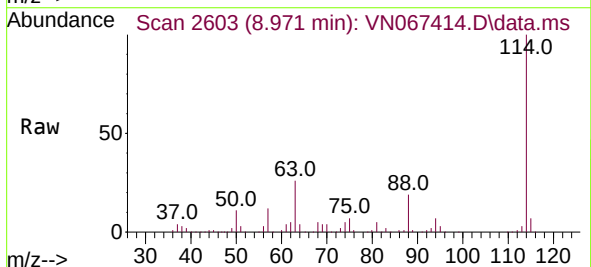
Tgt Ion: 65 Resp: 303862
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6

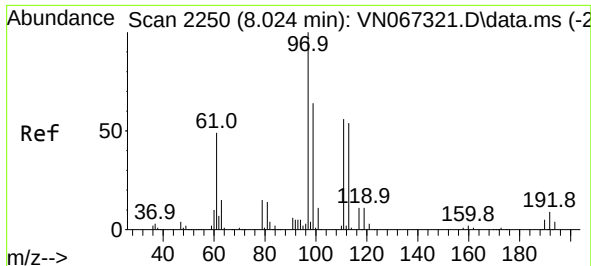


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

Tgt Ion: 114 Resp: 616815
Ion Ratio Lower Upper
114 100
63 26.3 0.0 49.0
88 18.9 0.0 36.6

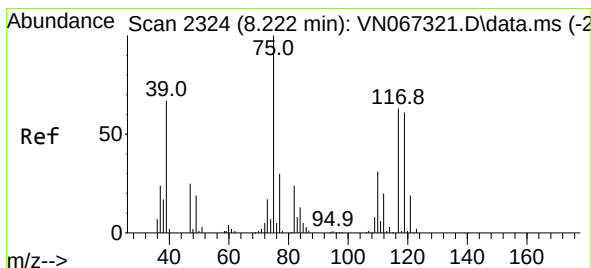
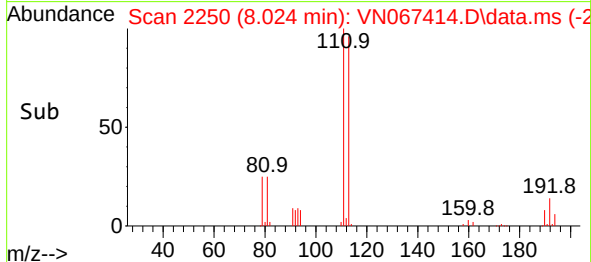
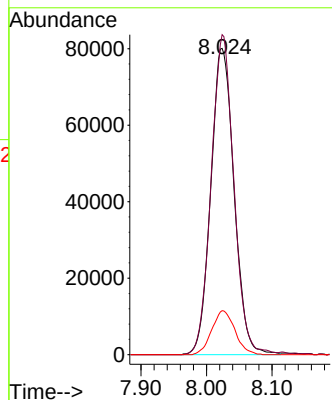
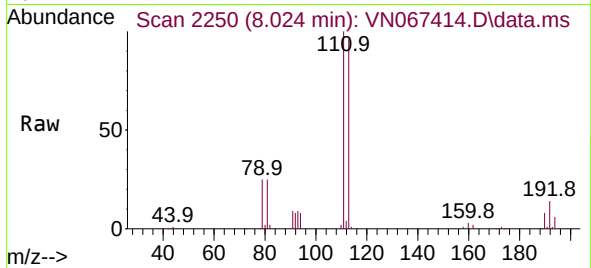




#35
Dibromofluoromethane
Concen: 48.17 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

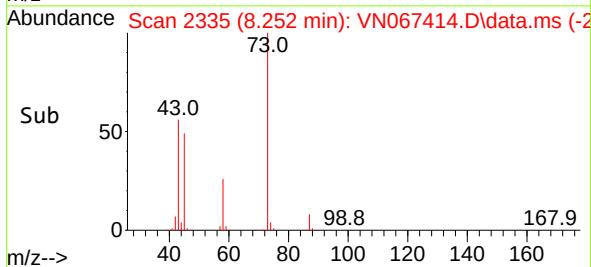
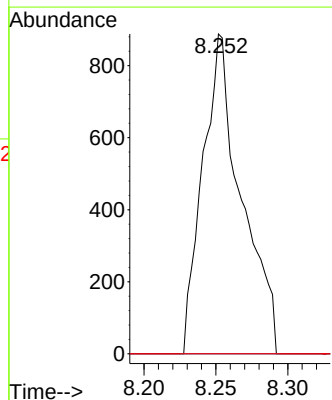
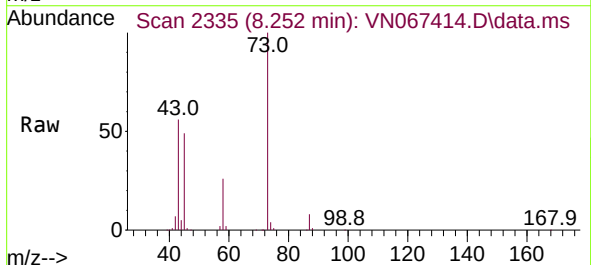
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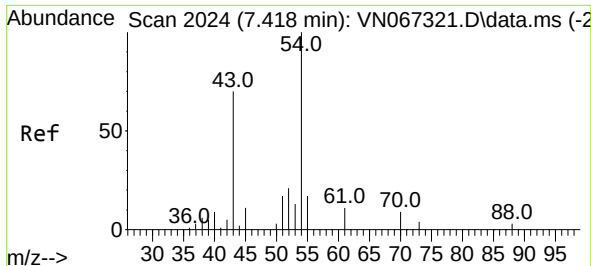
Tgt Ion:113 Resp: 197595
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.8
192 14.3 13.4 20.0



#36
1,1-Dichloropropene
Concen: 0.24 ug/l
RT: 8.252 min Scan# 2335
Delta R.T. 0.030 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

Tgt Ion: 75 Resp: 1661
Ion Ratio Lower Upper
75 100
110 0.0 15.7 47.0#
77 0.0 24.6 37.0#

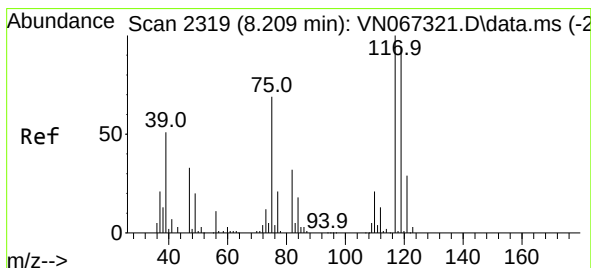
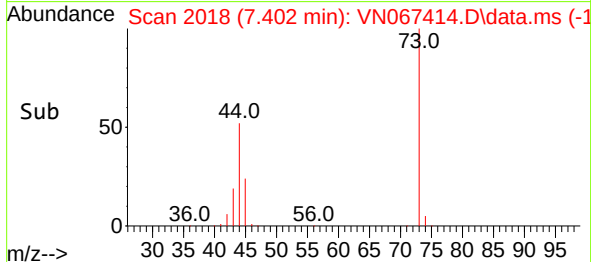
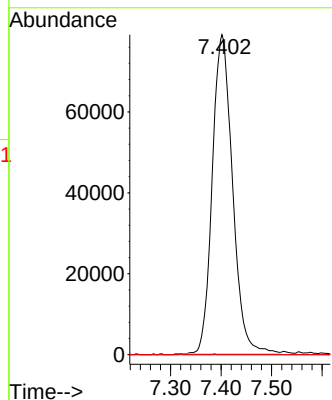
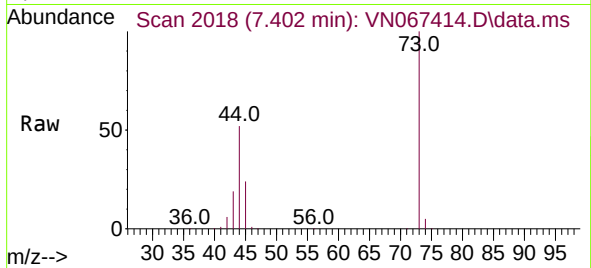




#37
Ethyl Acetate
Concen: 30.02 ug/l
RT: 7.402 min Scan# 2018
Delta R.T. -0.016 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

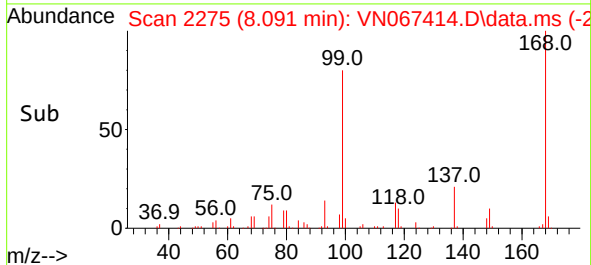
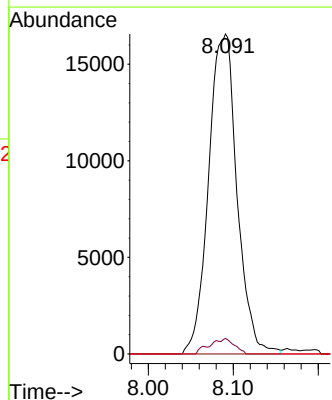
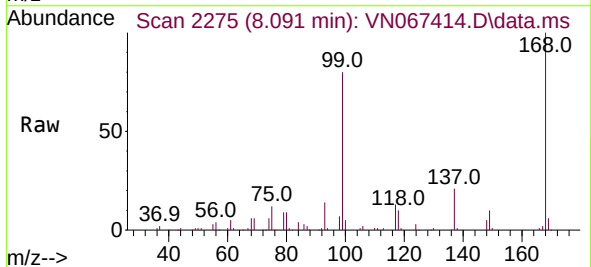
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

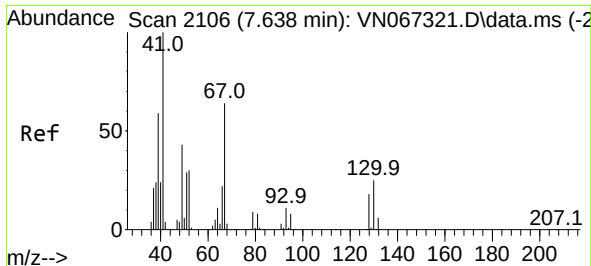
Tgt Ion: 43 Resp: 219927
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.19 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

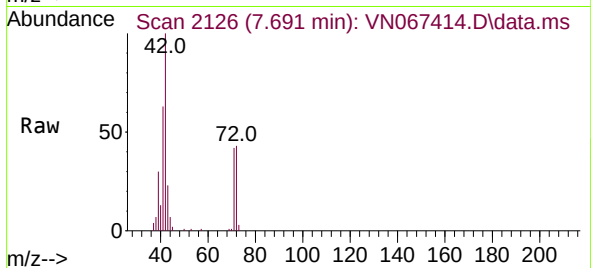
Tgt Ion: 117 Resp: 38606
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 23.5 35.3#



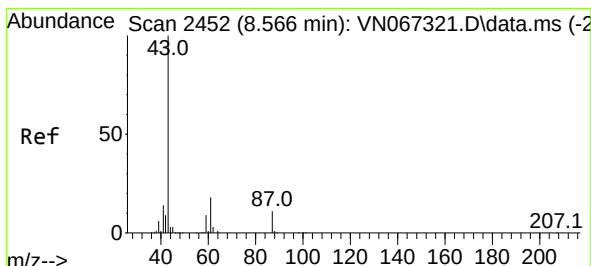
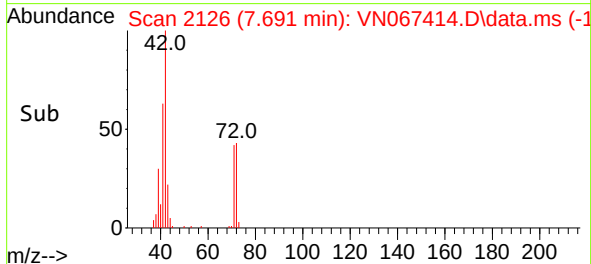
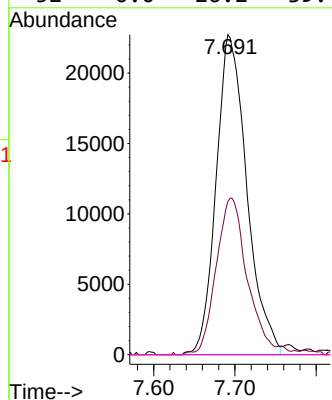


#41
Methacrylonitrile
Concen: 15.65 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.053 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

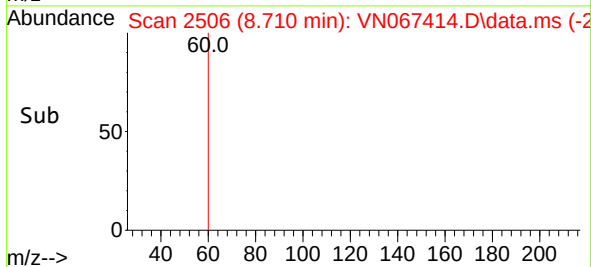
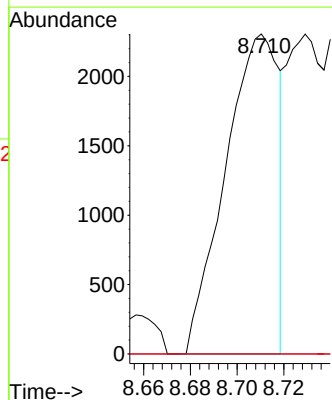
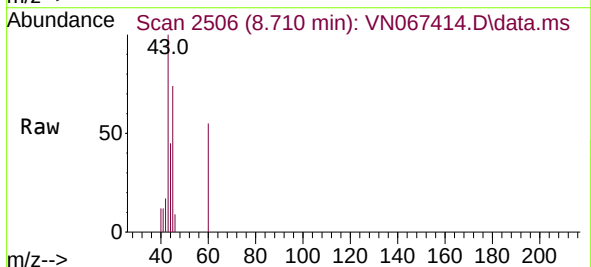


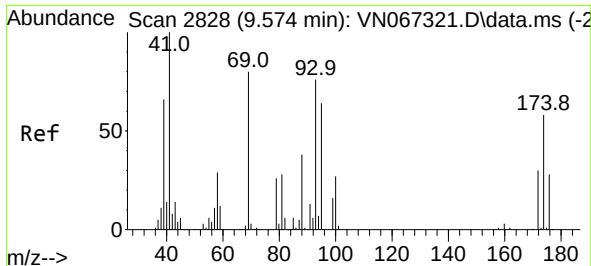
Tgt Ion:	41	Resp:	59610
Ion	Ratio	Lower	Upper
41	100		
39	47.2	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#



#43
Isopropyl Acetate
Concen: 0.28 ug/l
RT: 8.710 min Scan# 2506
Delta R.T. 0.144 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

Tgt Ion:	43	Resp:	3656
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.0	28.4#
87	0.0	9.5	14.3#





#49

1,4-Dioxane

Concen: 724.18 ug/l

RT: 9.574 min Scan# 2828

Delta R.T. -0.000 min

Lab File: VN067414.D

Acq: 21 Jun 2021 14:12

Tgt Ion: 88 Resp: 59428

Ion Ratio Lower Upper

88 100

43 31.5 28.8 43.2

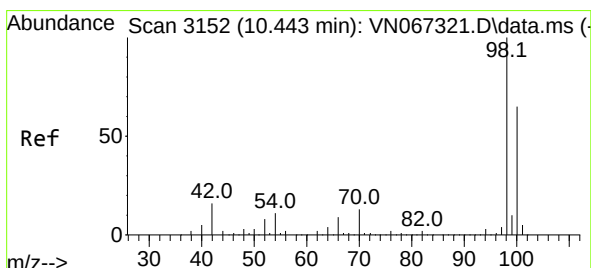
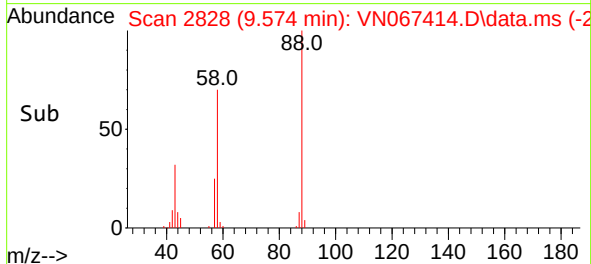
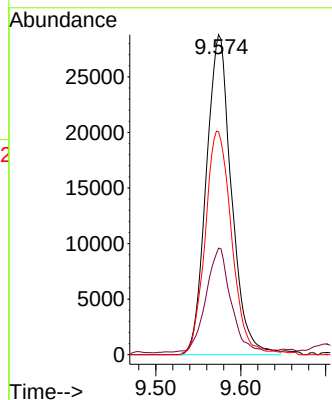
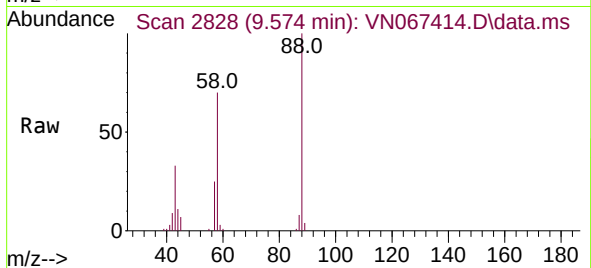
58 73.4 60.4 90.6

Instrument :

MSVOA_N

ClientSampleId :

WASTE-WATER-SAMPLE



#50

Toluene-d8

Concen: 52.20 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067414.D

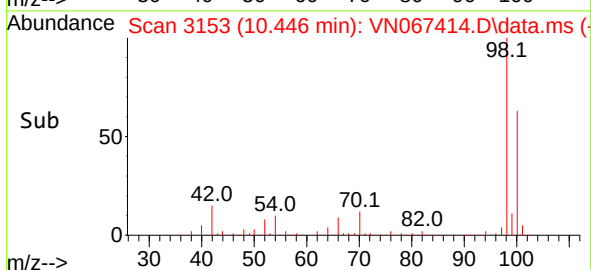
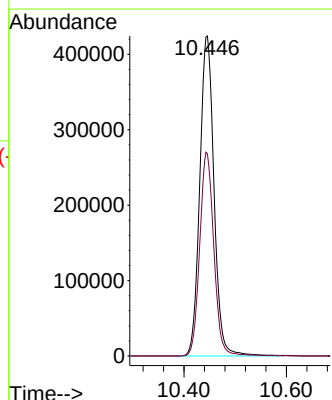
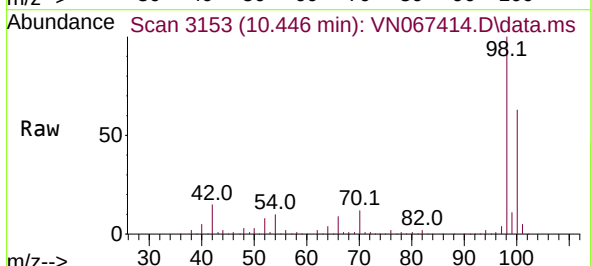
Acq: 21 Jun 2021 14:12

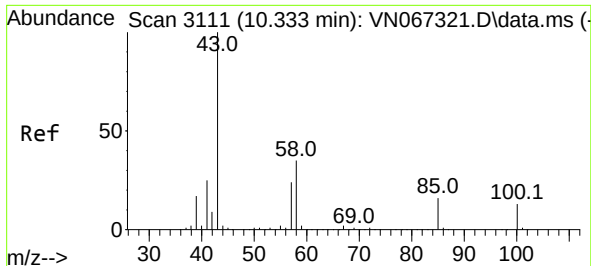
Tgt Ion: 98 Resp: 820828

Ion Ratio Lower Upper

98 100

100 62.7 51.7 77.5

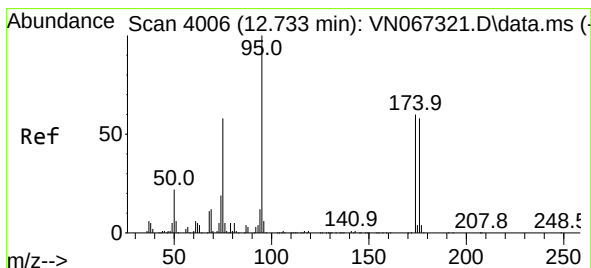
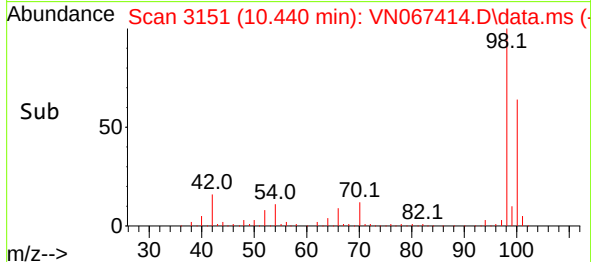
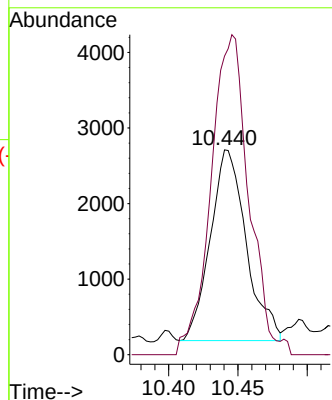
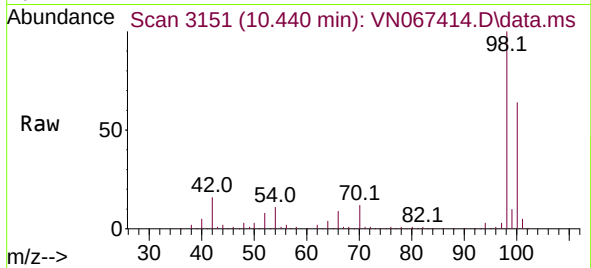




#51
4-Methyl-2-Pentanone
Concen: 0.60 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.107 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

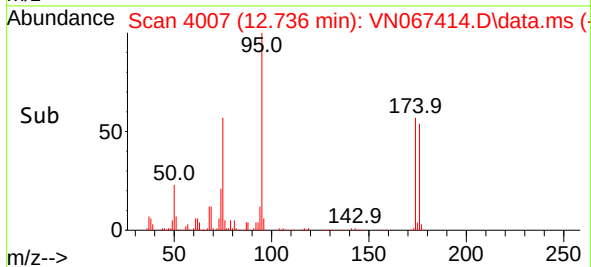
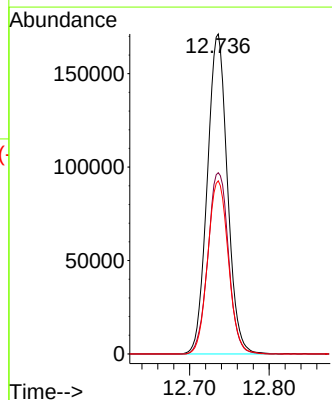
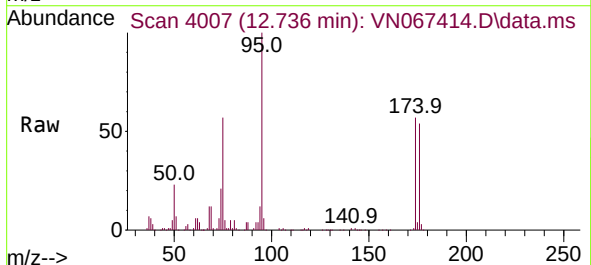
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

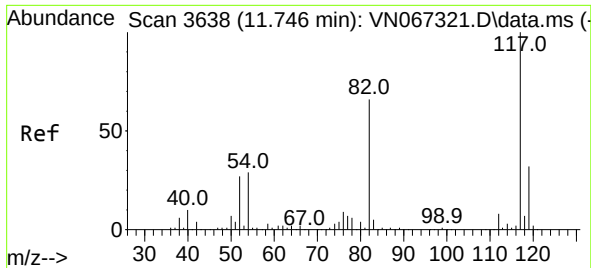
Tgt Ion: 43 Resp: 4560
Ion Ratio Lower Upper
43 100
58 177.0 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 46.47 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

Tgt Ion: 95 Resp: 301533
Ion Ratio Lower Upper
95 100
174 58.1 0.0 122.0
176 55.5 0.0 117.6

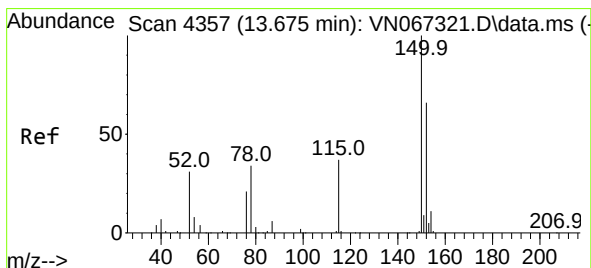
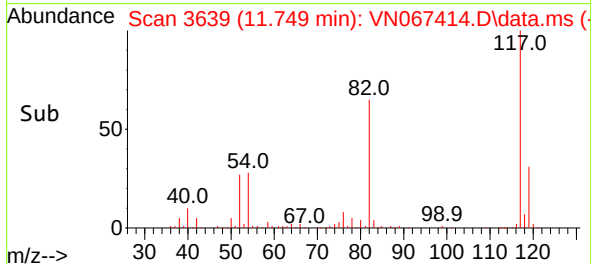
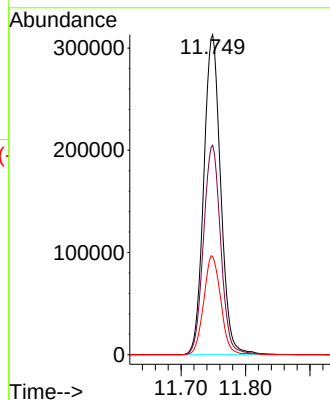
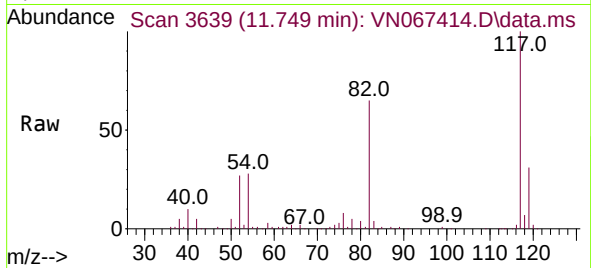




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

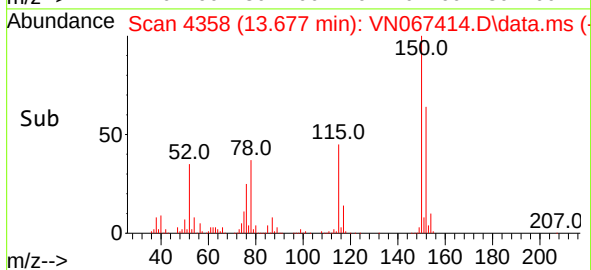
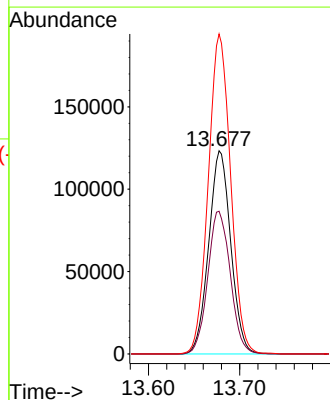
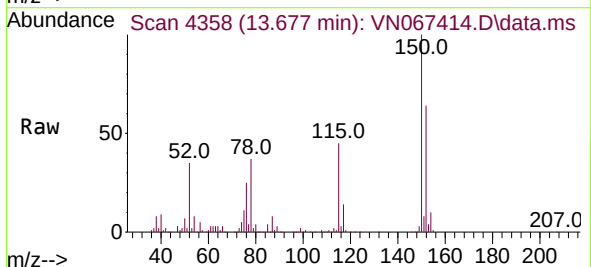
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

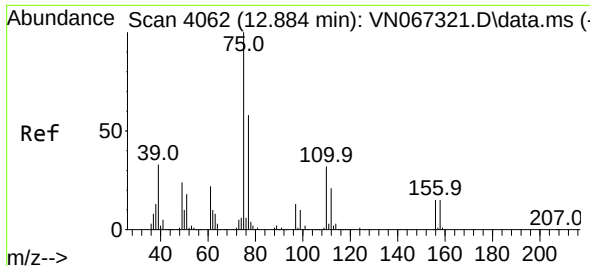
Tgt Ion:117 Resp: 571494
Ion Ratio Lower Upper
117 100
82 65.5 53.1 79.7
119 30.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

Tgt Ion:152 Resp: 207343
Ion Ratio Lower Upper
152 100
115 71.6 36.1 108.5
150 159.5 0.0 351.8

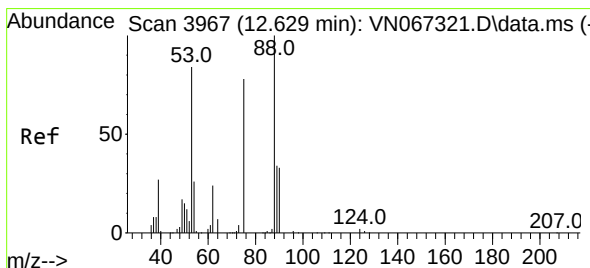
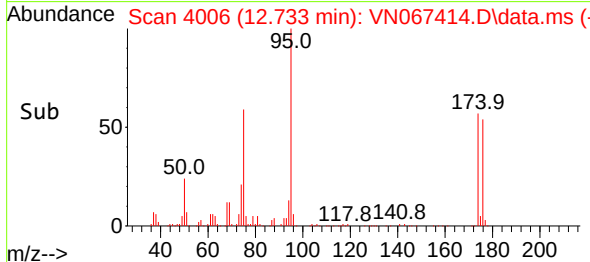
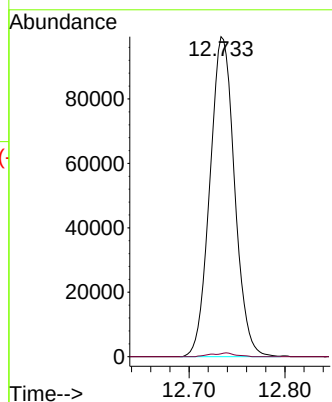
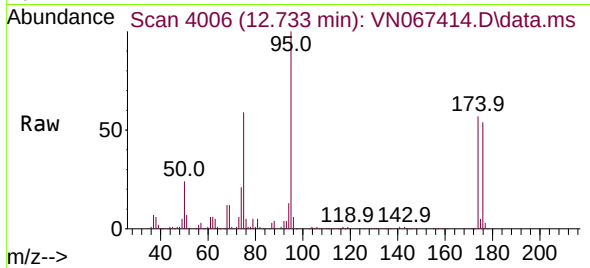




#76
1,2,3-Trichloropropane
Concen: 32.96 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

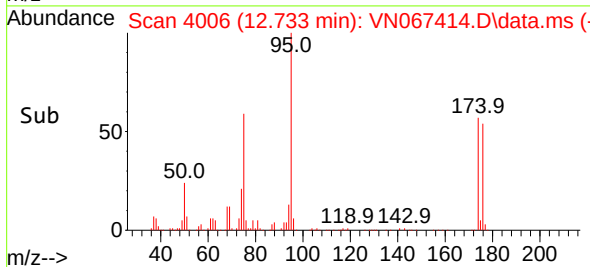
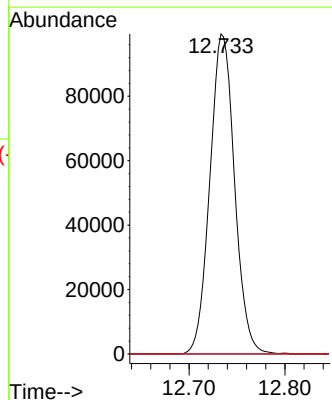
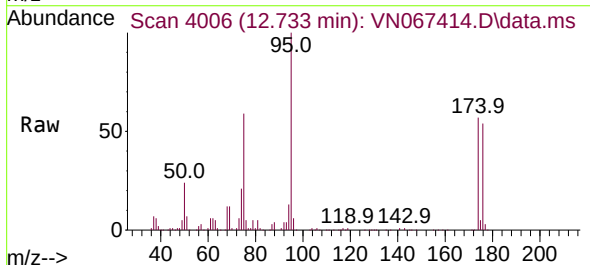
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

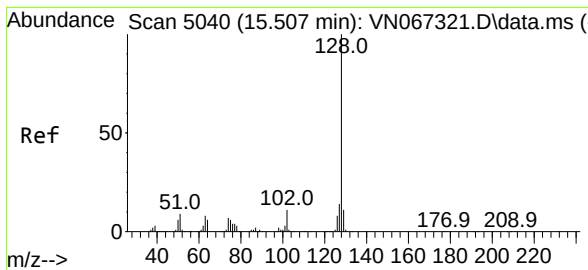
Tgt Ion: 75 Resp: 177467
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.68 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

Tgt Ion: 75 Resp: 177467
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 2.82 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067414.D
Acq: 21 Jun 2021 14:12

Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

Tgt Ion:128 Resp: 2767
Ion Ratio Lower Upper
128 100
127 11.4 10.6 15.8
129 2.0 8.6 12.8#

