

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062121\
 Data File : VN067413.D
 Acq On : 21 Jun 2021 13:48
 Operator : JC/MD
 Sample : M2782-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WASTE-WATER-SAMPLE

Quant Time: Jun 22 03:10:33 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)

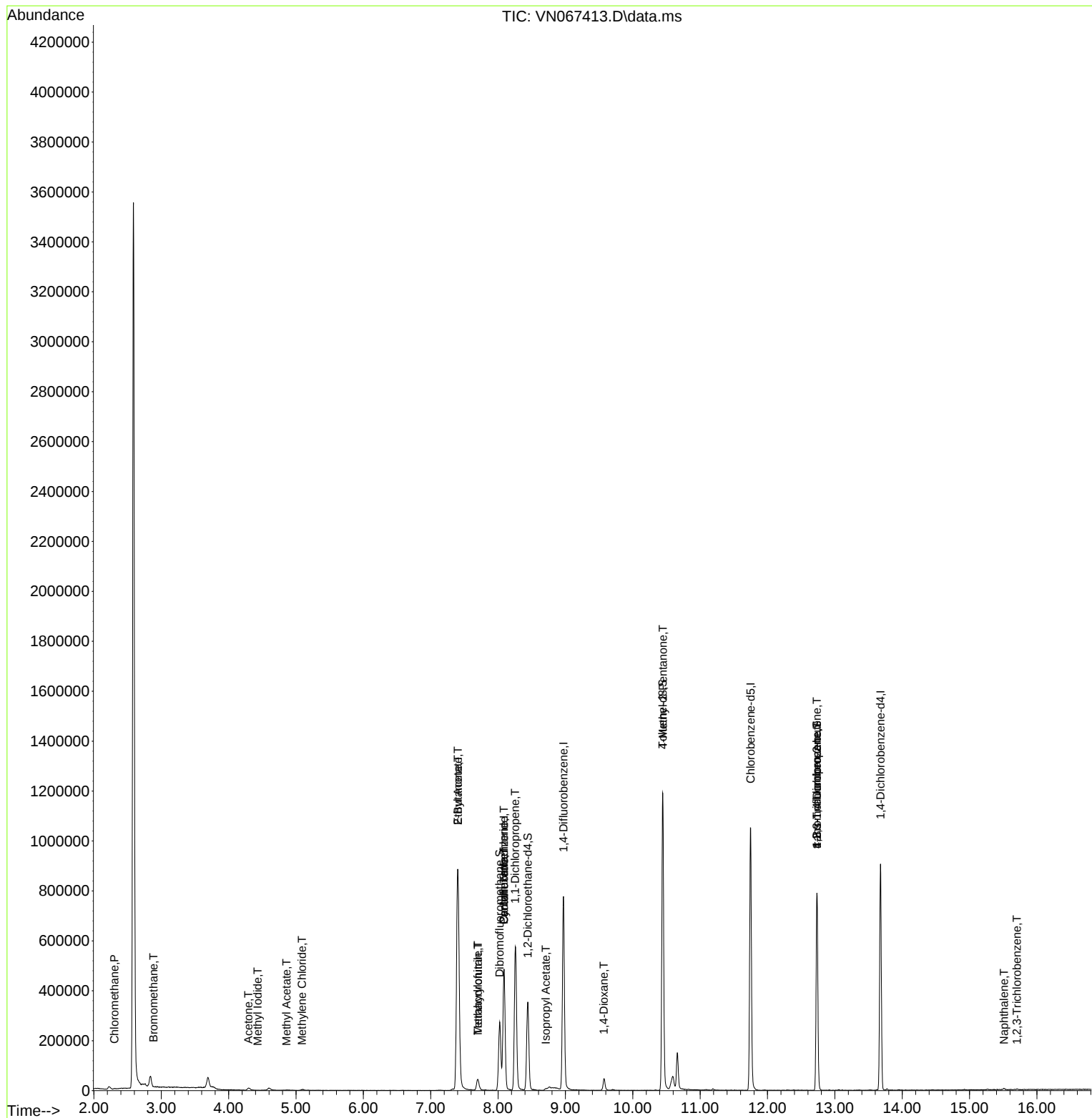
Internal Standards						
1) Pentafluorobenzene	8.088	168	300736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	617549	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	559331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	199320	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	304490	51.32	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.64%			
35) Dibromofluoromethane	8.024	113	193811	47.19	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.38%			
50) Toluene-d8	10.443	98	820603	52.13	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.26%			
62) 4-Bromofluorobenzene	12.734	95	292724	45.06	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.12%			
Target Compounds						Qvalue
3) Chloromethane	2.303	50	1189	0.26	ug/l	92
5) Bromomethane	2.885	94	791	0.42	ug/l	83
10) Methyl Iodide	4.430	142	148	6.78	ug/l #	33
16) Acetone	4.293	43	14690	6.45	ug/l	92
18) Methyl Acetate	4.859	43	1356	0.25	ug/l #	63
20) Methylene Chloride	5.090	84	1440	0.30	ug/l #	80
25) 2-Butanone	7.402	43	228954	70.38	ug/l #	55
29) Tetrahydrofuran	7.699	42	36617	17.85	ug/l #	80
31) Cyclohexane	8.088	56	10362	1.28	ug/l #	20
36) 1,1-Dichloropropene	8.255	75	2261	0.33	ug/l #	44
37) Ethyl Acetate	7.402	43	228954	31.21	ug/l #	69
38) Carbon Tetrachloride	8.088	117	39600	5.32	ug/l #	16
41) Methacrylonitrile	7.699	41	21781	5.71	ug/l #	47
43) Isopropyl Acetate	8.708	43	4099	0.31	ug/l #	58
49) 1,4-Dioxane	9.571	88	35439	431.34	ug/l	96
51) 4-Methyl-2-Pentanone	10.446	43	5706	0.75	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	173469	33.51	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	173469	83.06	ug/l #	6
95) Naphthalene	15.512	128	4427	2.95	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.702	180	829	0.25	ug/l #	60

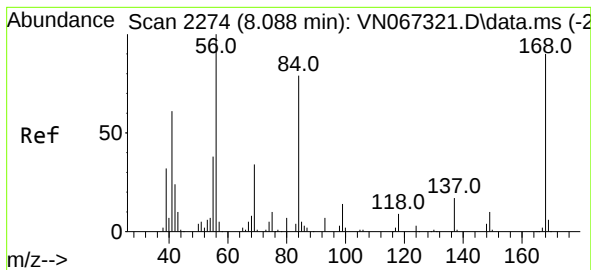
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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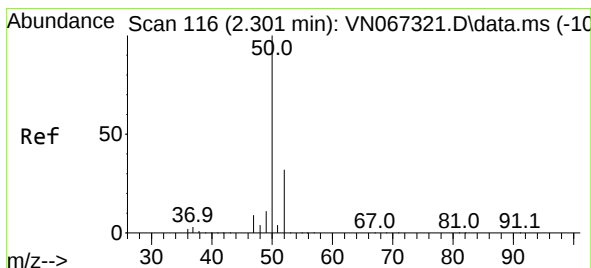
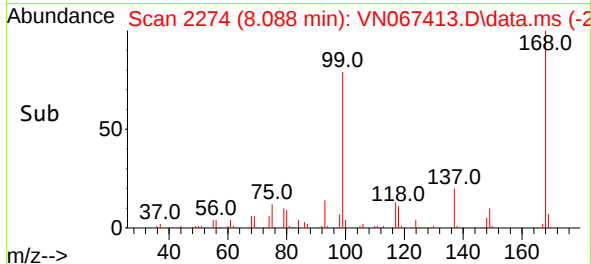
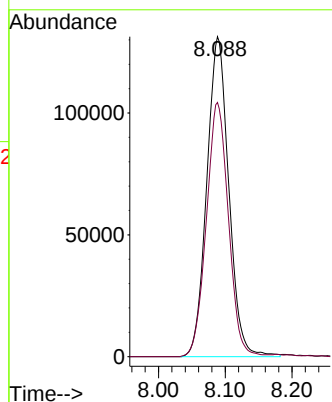
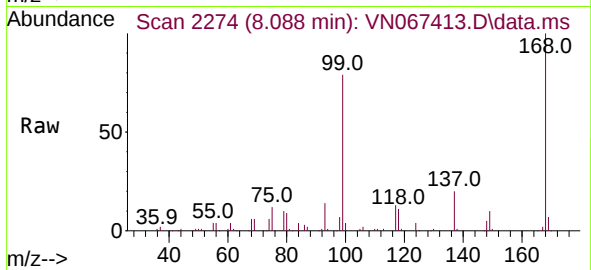




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

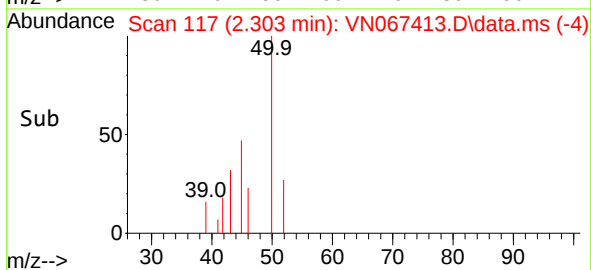
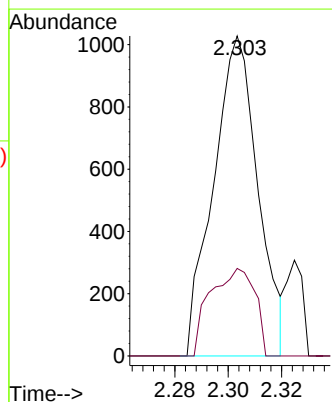
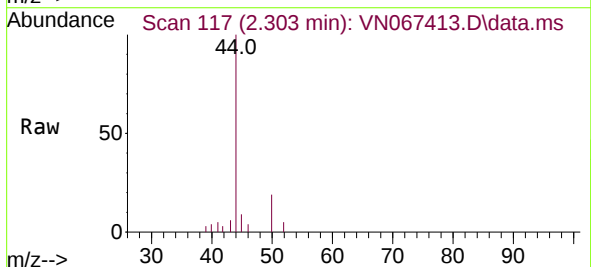
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

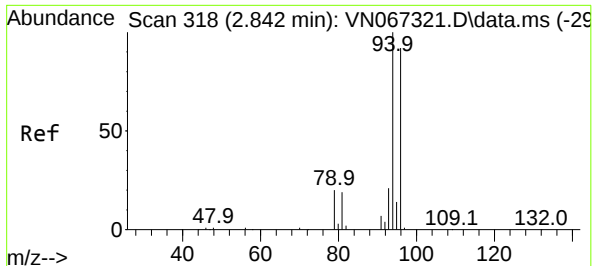
Tgt Ion:168 Resp: 300736
Ion Ratio Lower Upper
168 100
99 79.5 62.9 94.3



#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

Tgt Ion: 50 Resp: 1189
Ion Ratio Lower Upper
50 100
52 27.3 25.6 38.4

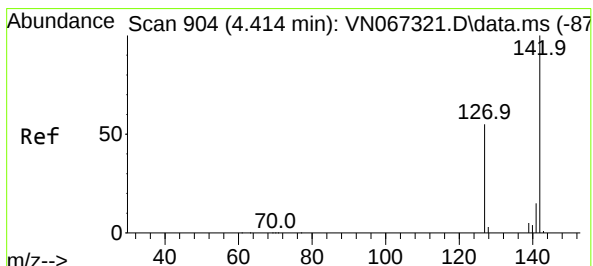
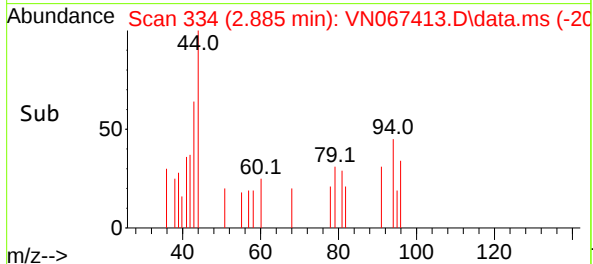
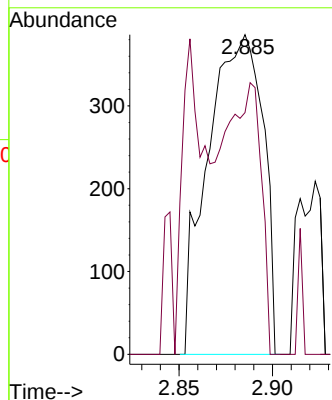
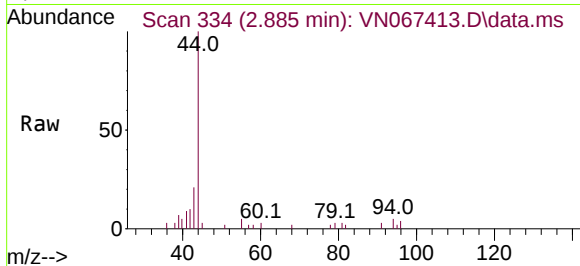




#5
Bromomethane
Concen: 0.42 ug/l
RT: 2.885 min Scan# 334
Delta R.T. 0.043 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

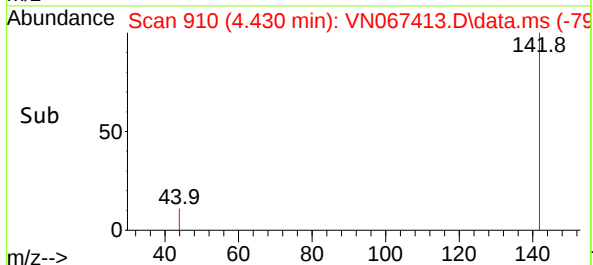
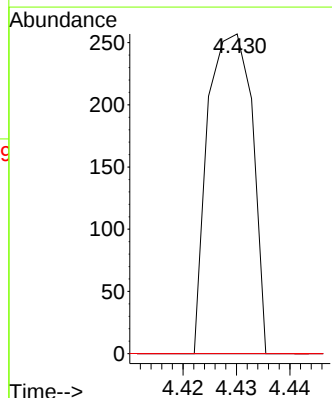
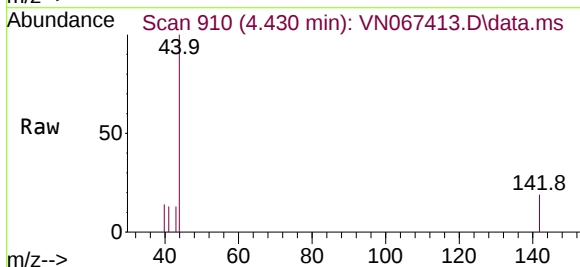
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

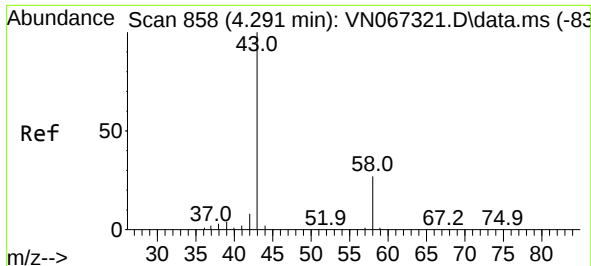
Tgt Ion: 94 Resp: 791
Ion Ratio Lower Upper
94 100
96 75.6 73.7 110.5



#10
Methyl Iodide
Concen: 6.78 ug/l
RT: 4.430 min Scan# 910
Delta R.T. 0.016 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

Tgt Ion: 142 Resp: 148
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#

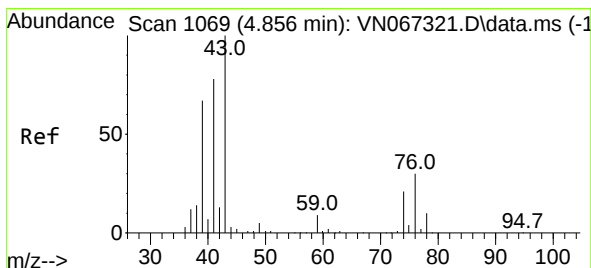
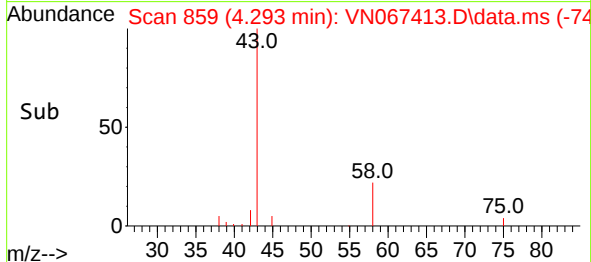
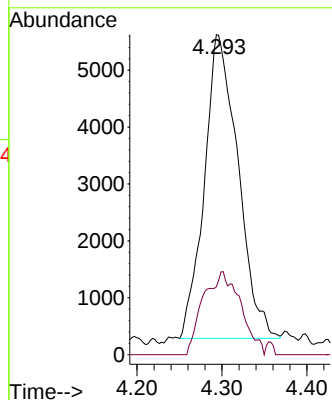
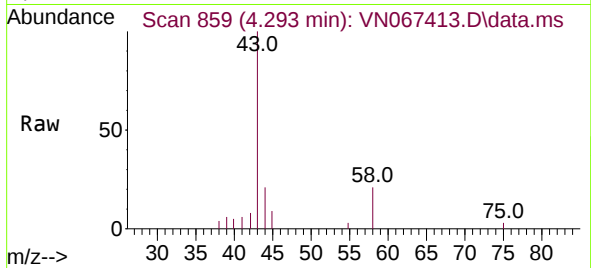




#16
Acetone
Concen: 6.45 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

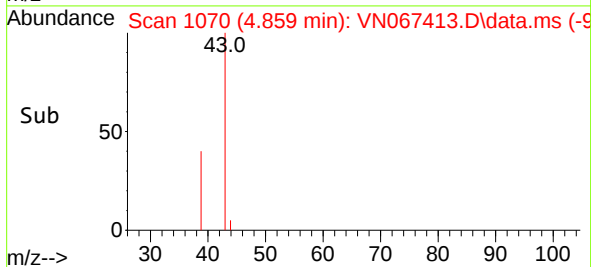
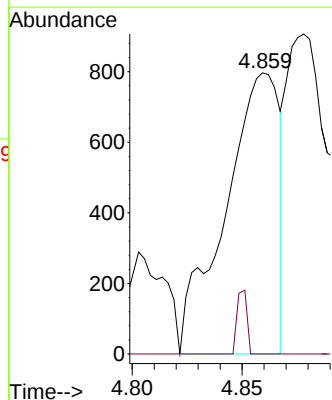
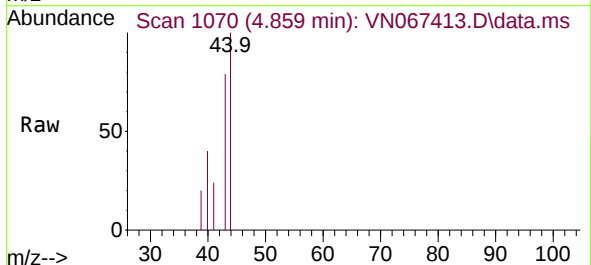
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

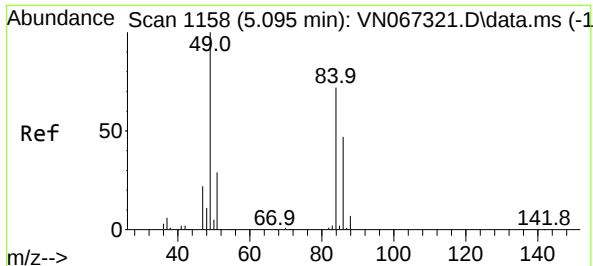
Tgt Ion: 43 Resp: 14690
Ion Ratio Lower Upper
43 100
58 22.3 21.2 31.8



#18
Methyl Acetate
Concen: 0.25 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

Tgt Ion: 43 Resp: 1356
Ion Ratio Lower Upper
43 100
74 4.2 17.4 26.0#

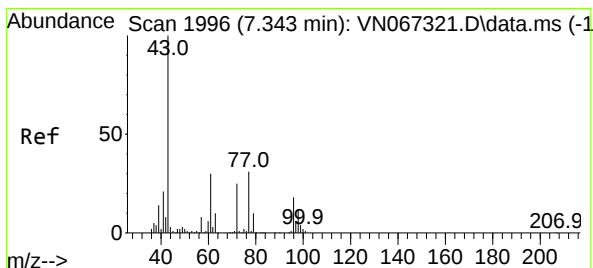
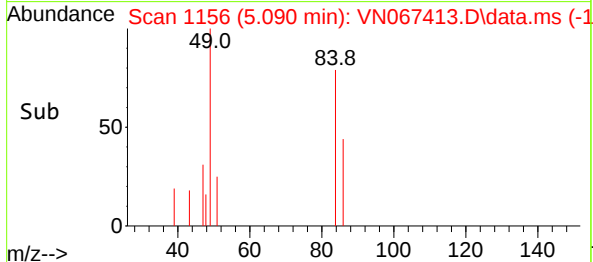
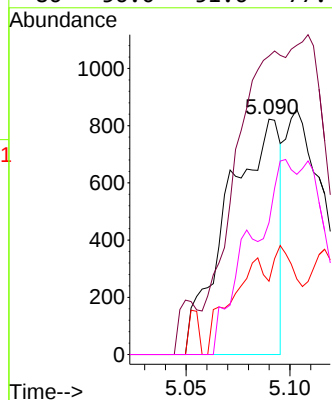
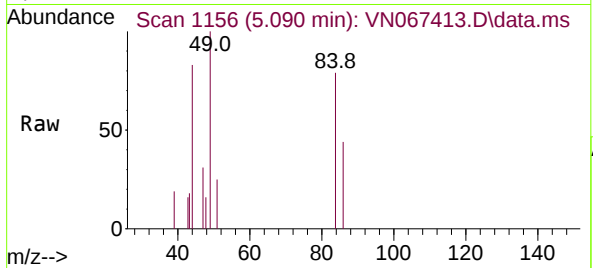




#20
Methylene Chloride
Concen: 0.30 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.005 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

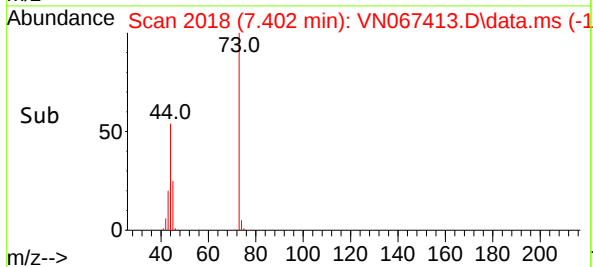
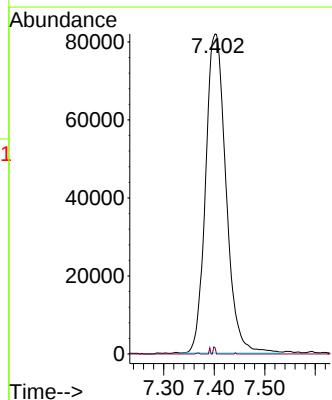
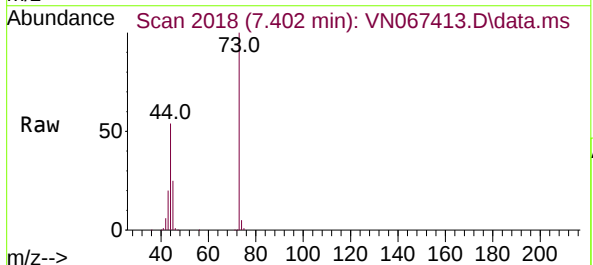
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

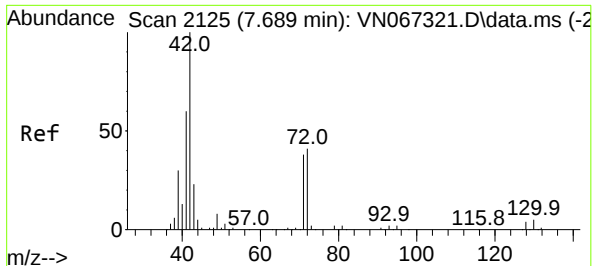
Tgt Ion:	84	Resp:	1440
Ion	Ratio	Lower	Upper
84	100		
49	107.7	110.9	166.3#
51	31.1	32.6	49.0#
86	56.0	51.6	77.4



#25
2-Butanone
Concen: 70.38 ug/l
RT: 7.402 min Scan# 2018
Delta R.T. 0.059 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

Tgt Ion:	43	Resp:	228954
Ion	Ratio	Lower	Upper
43	100		
72	1.9	19.7	29.5#





#29

Tetrahydrofuran

Concen: 17.85 ug/l

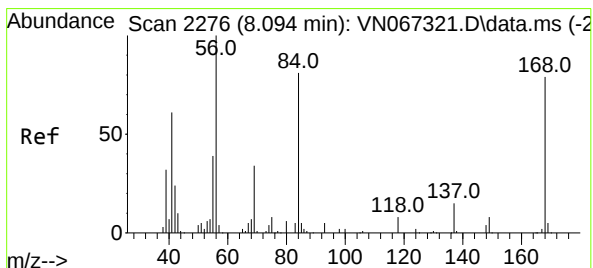
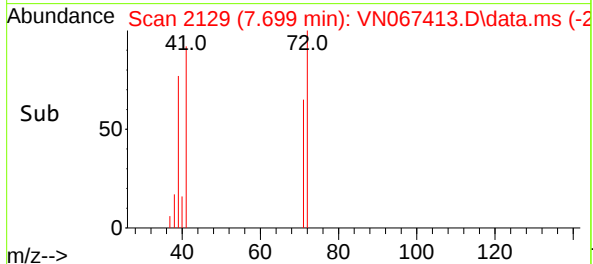
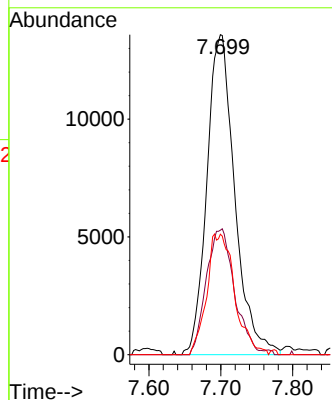
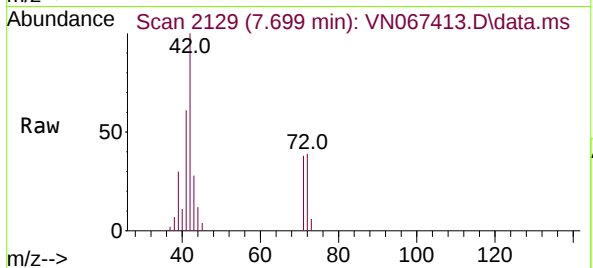
RT: 7.699 min Scan# 2129

Delta R.T. 0.010 min

Lab File: VN067413.D

Acq: 21 Jun 2021 13:48

Tgt Ion:	42	Resp:	36617
Ion	Ratio	Lower	Upper
42	100		
72	39.9	32.8	49.2
71	14.6	31.2	46.8



#31

Cyclohexane

Concen: 1.28 ug/l

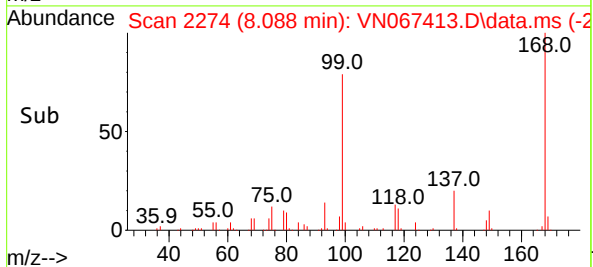
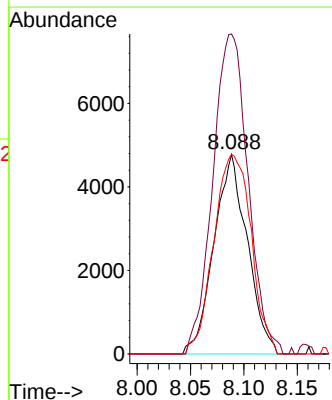
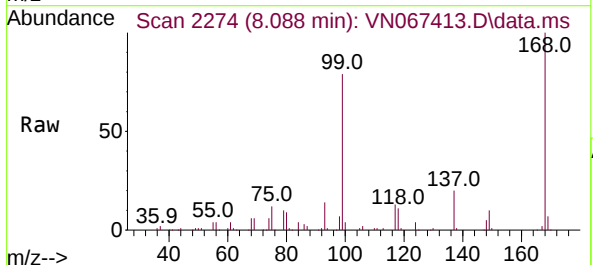
RT: 8.088 min Scan# 2274

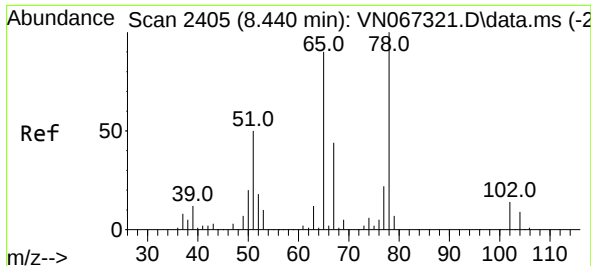
Delta R.T. -0.006 min

Lab File: VN067413.D

Acq: 21 Jun 2021 13:48

Tgt Ion:	56	Resp:	10362
Ion	Ratio	Lower	Upper
56	100		
69	160.4	27.3	40.9
84	100.1	64.9	97.3





#33

1,2-Dichloroethane-d4

Concen: 51.32 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN067413.D

Acq: 21 Jun 2021 13:48

Tgt Ion: 65 Resp: 304490

Ion Ratio Lower Upper

65 100

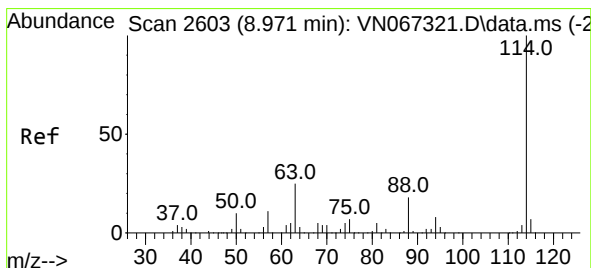
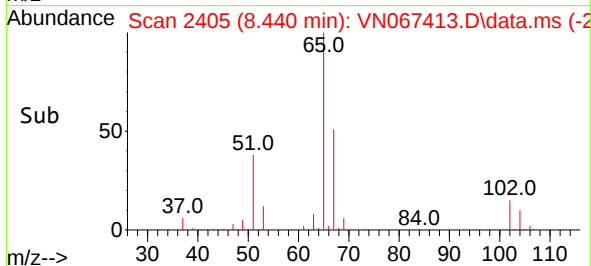
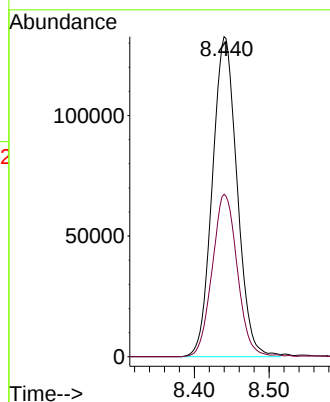
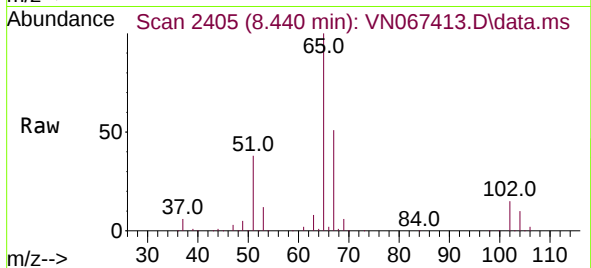
67 51.4 0.0 98.6

Instrument :

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ClientSampleId :

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.000 min

Lab File: VN067413.D

Acq: 21 Jun 2021 13:48

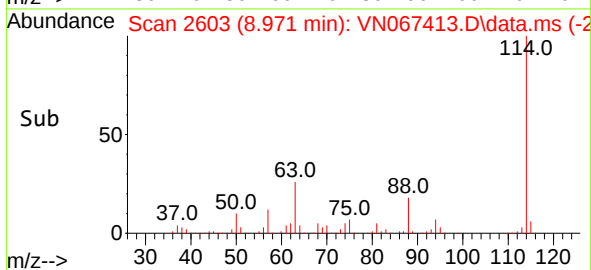
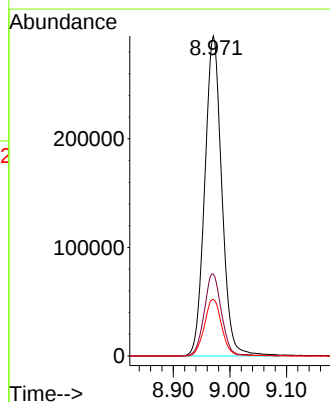
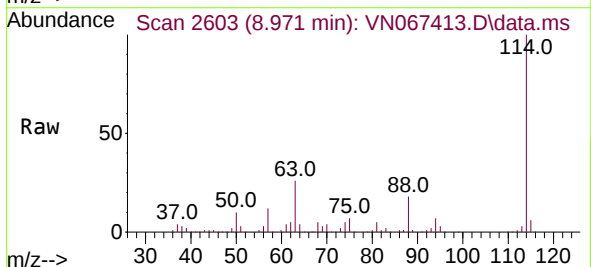
Tgt Ion: 114 Resp: 617549

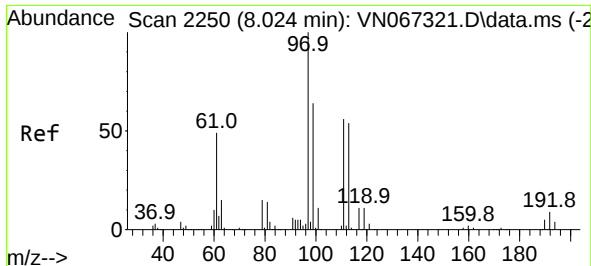
Ion Ratio Lower Upper

114 100

63 25.5 0.0 49.0

88 17.6 0.0 36.6

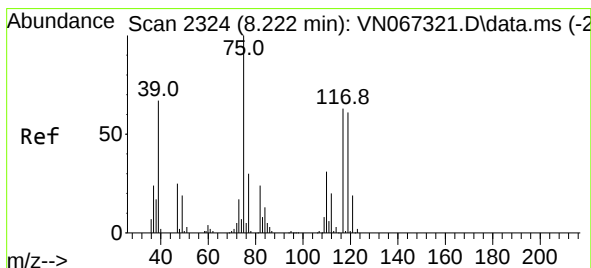
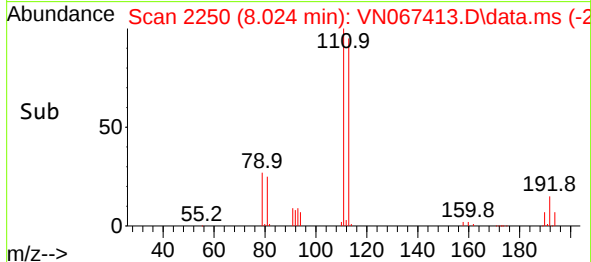
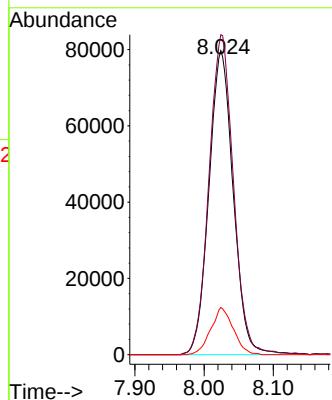
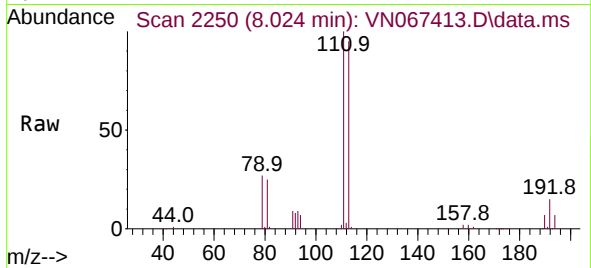




#35
Dibromofluoromethane
Concen: 47.19 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

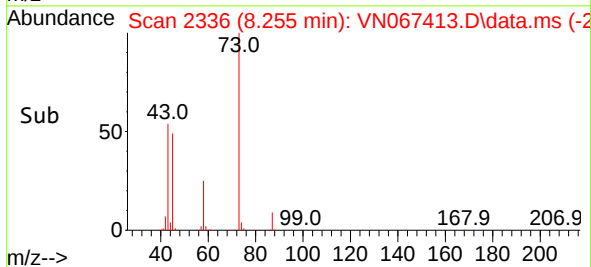
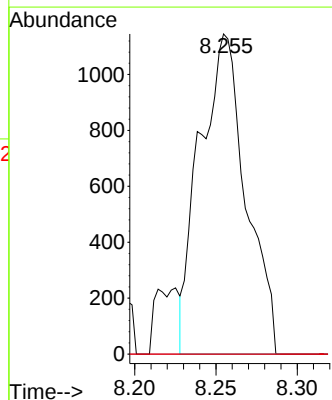
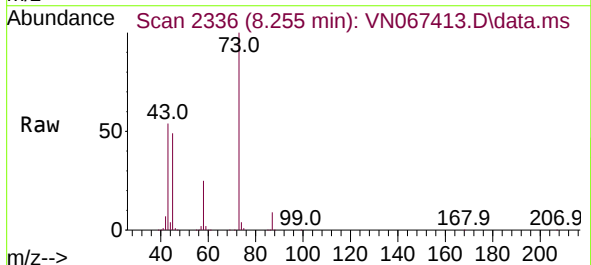
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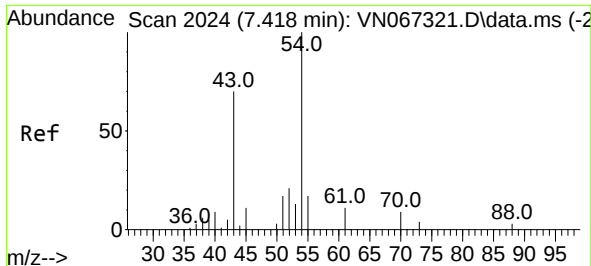
Tgt Ion:113 Resp: 193811
Ion Ratio Lower Upper
113 100
111 106.2 83.8 125.8
192 14.5 13.4 20.0



#36
1,1-Dichloropropene
Concen: 0.33 ug/l
RT: 8.255 min Scan# 2336
Delta R.T. 0.033 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

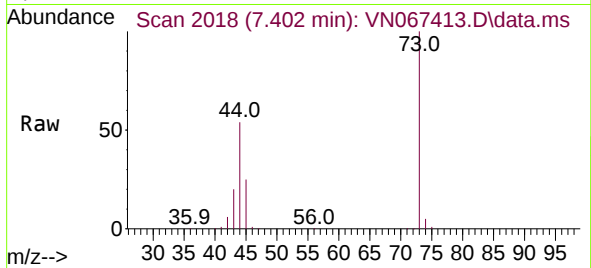
Tgt Ion: 75 Resp: 2261
Ion Ratio Lower Upper
75 100
110 0.0 15.7 47.0#
77 0.0 24.6 37.0#



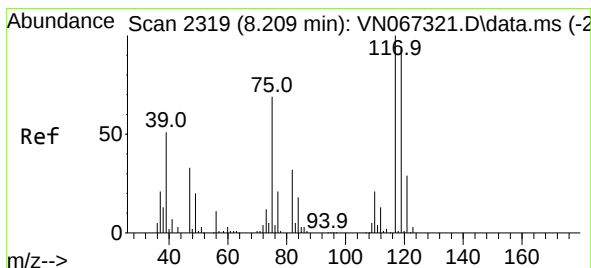
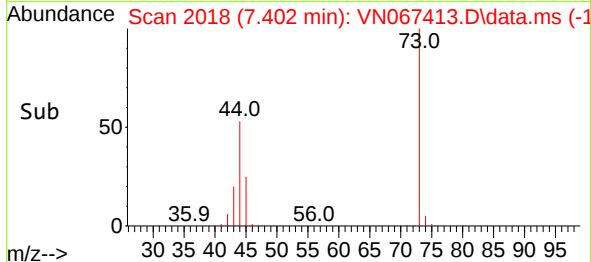
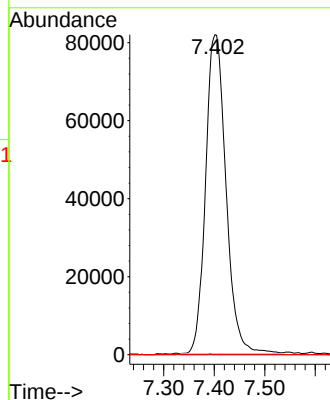


#37
Ethyl Acetate
Concen: 31.21 ug/l
RT: 7.402 min Scan# 2018
Delta R.T. -0.016 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

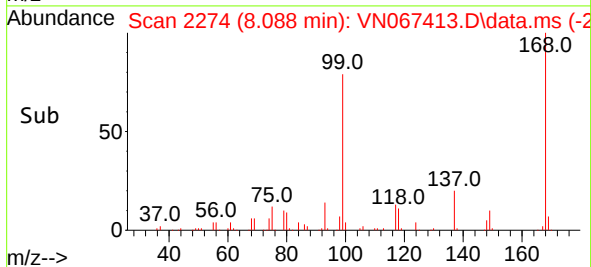
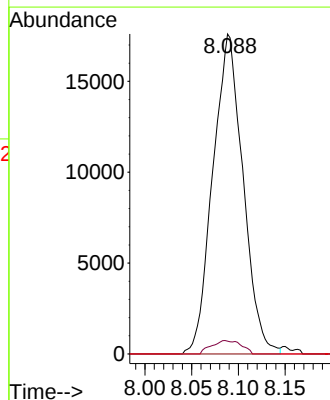
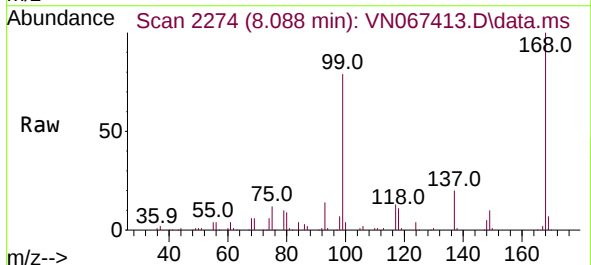


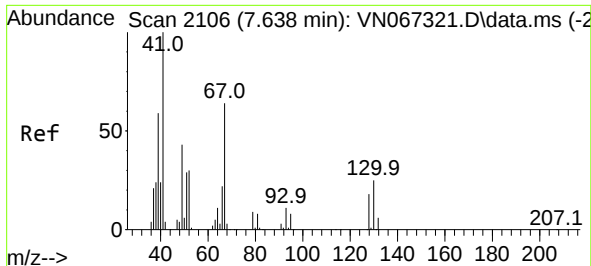
Tgt Ion: 43 Resp: 228954
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 5.32 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

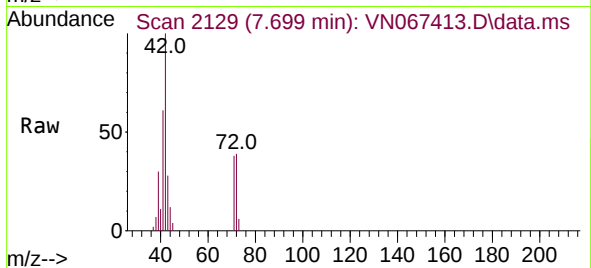
Tgt Ion: 117 Resp: 39600
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 23.5 35.3#



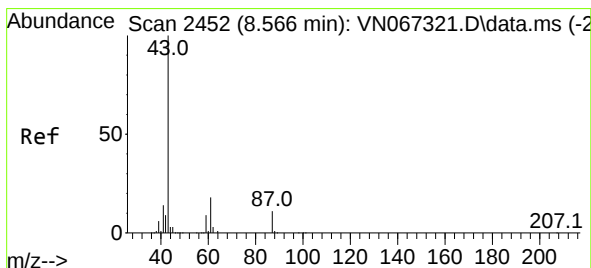
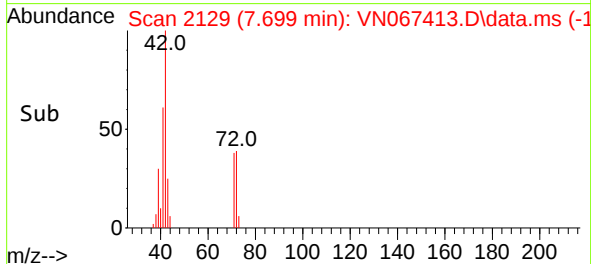
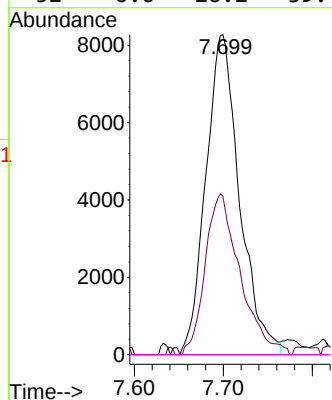


#41
Methacrylonitrile
Concen: 5.71 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.061 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

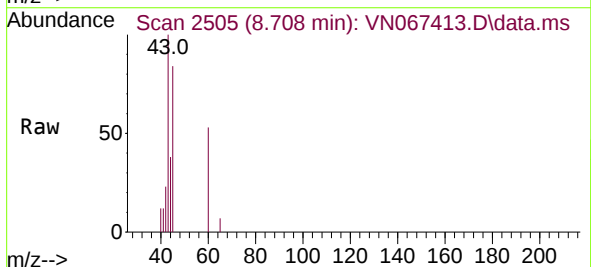
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE



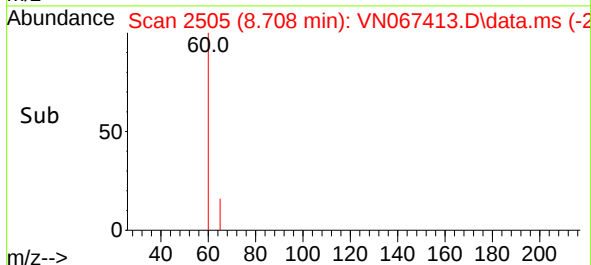
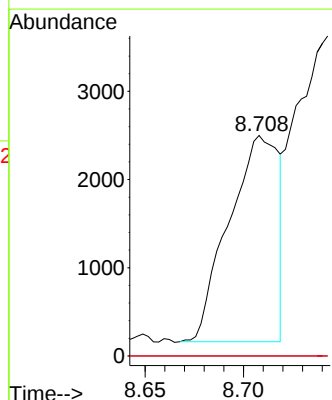
Tgt Ion:	41	Resp:	21781
Ion	Ratio	Lower	Upper
41	100		
39	52.1	47.6	71.4
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#

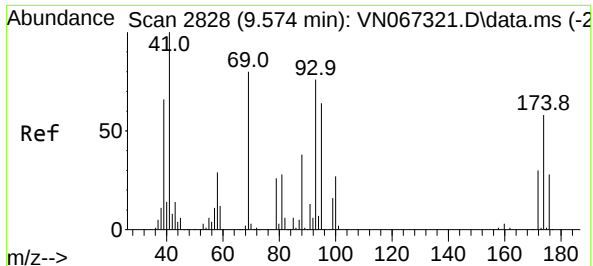


#43
Isopropyl Acetate
Concen: 0.31 ug/l
RT: 8.708 min Scan# 2505
Delta R.T. 0.142 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48



Tgt Ion:	43	Resp:	4099
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: 431.34 ug/l

RT: 9.571 min Scan# 2827

Delta R.T. -0.003 min

Lab File: VN067413.D

Acq: 21 Jun 2021 13:48

Tgt Ion: 88 Resp: 35439

Ion Ratio Lower Upper

88 100

43 31.6 28.8 43.2

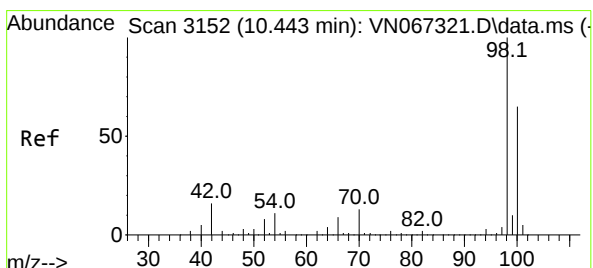
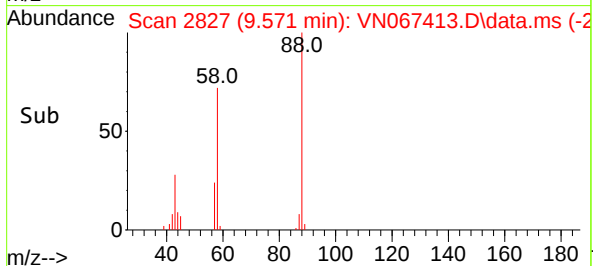
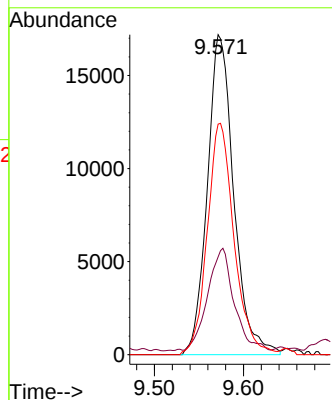
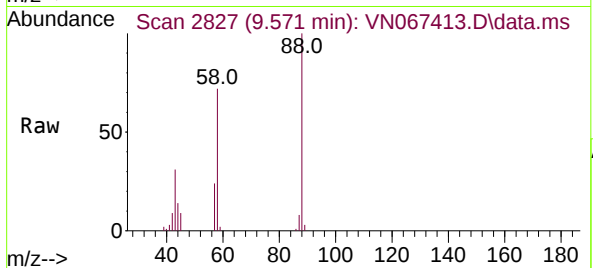
58 73.3 60.4 90.6

Instrument :

MSVOA_N

ClientSampleId :

WASTE-WATER-SAMPLE



#50

Toluene-d8

Concen: 52.13 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN067413.D

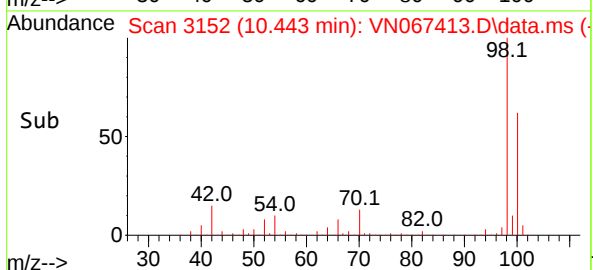
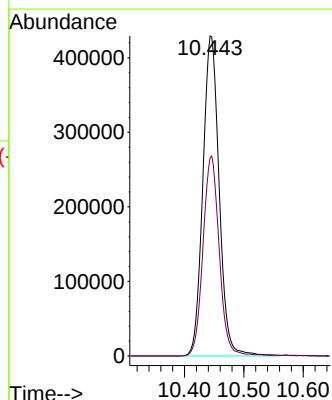
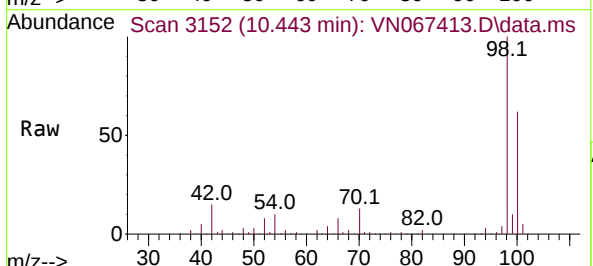
Acq: 21 Jun 2021 13:48

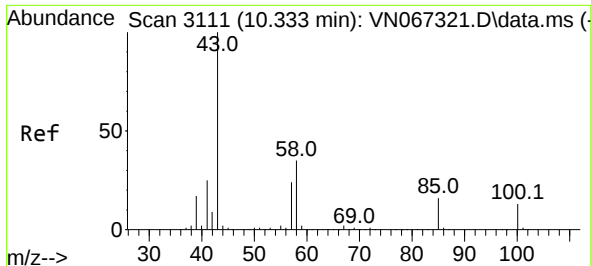
Tgt Ion: 98 Resp: 820603

Ion Ratio Lower Upper

98 100

100 62.2 51.7 77.5

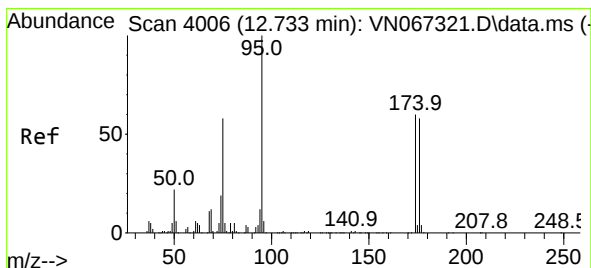
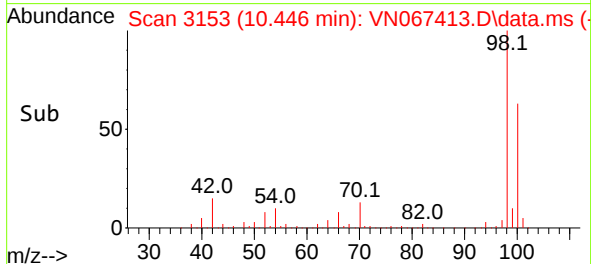
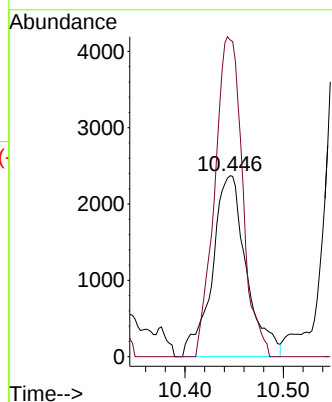
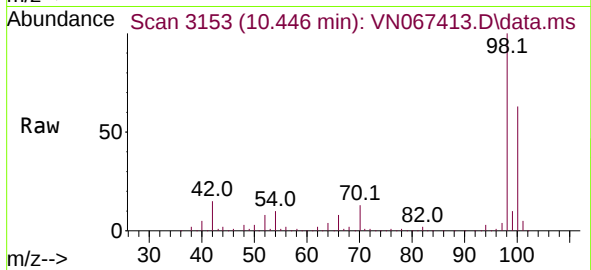




#51
4-Methyl-2-Pentanone
Concen: 0.75 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.113 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

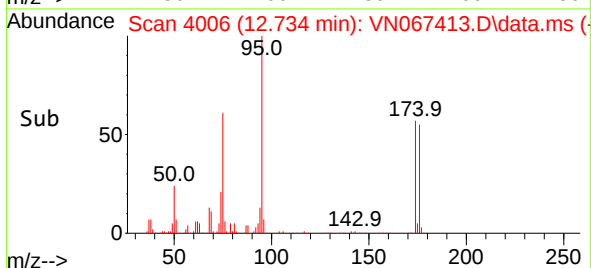
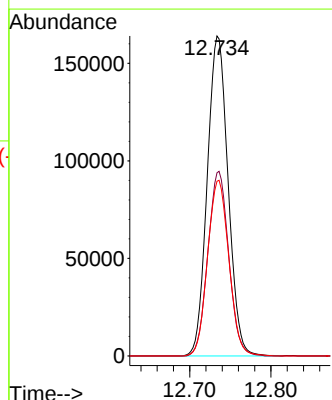
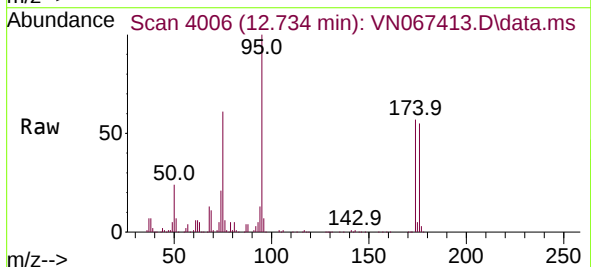
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

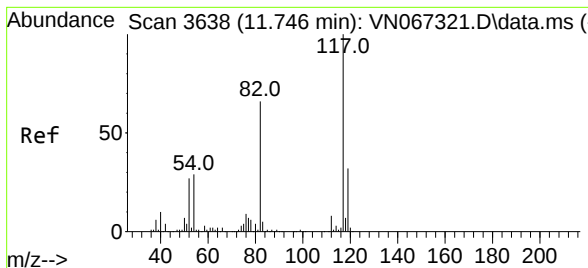
Tgt Ion: 43 Resp: 5706
Ion Ratio Lower Upper
43 100
58 144.3 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 45.06 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

Tgt Ion: 95 Resp: 292724
Ion Ratio Lower Upper
95 100
174 57.7 0.0 122.0
176 56.2 0.0 117.6

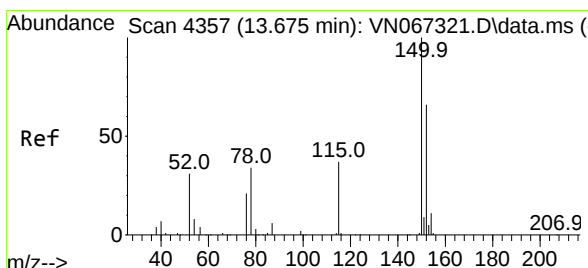
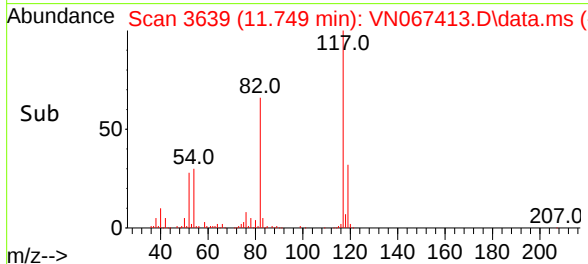
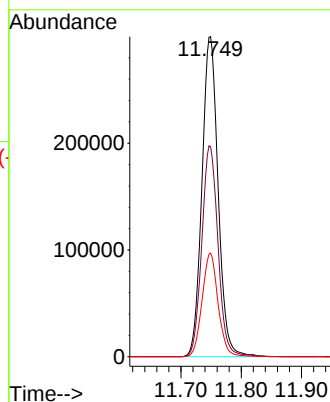
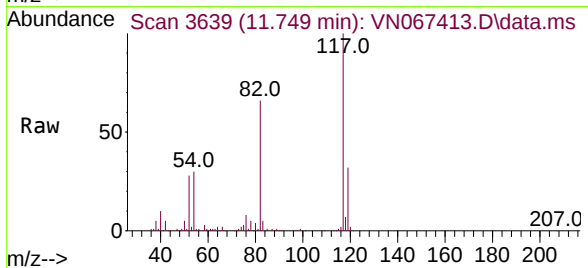




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

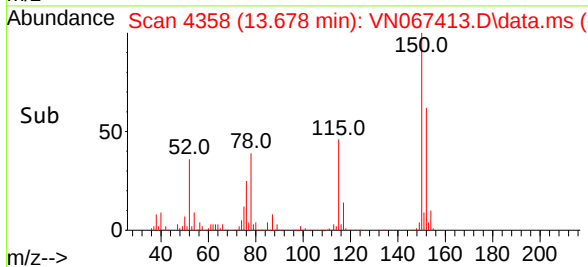
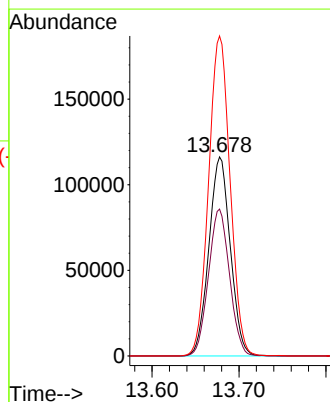
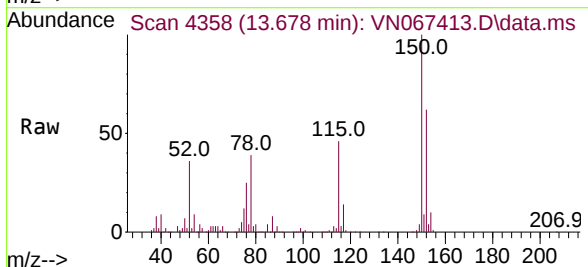
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

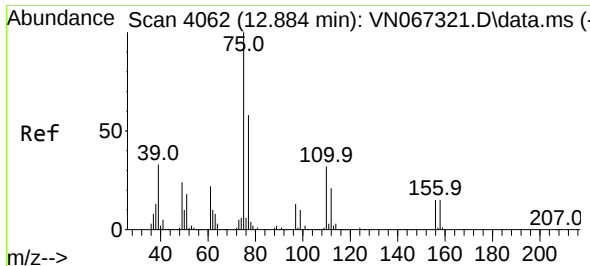
Tgt Ion:117 Resp: 559331
Ion Ratio Lower Upper
117 100
82 65.6 53.1 79.7
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

Tgt Ion:152 Resp: 199320
Ion Ratio Lower Upper
152 100
115 72.5 36.1 108.5
150 160.8 0.0 351.8

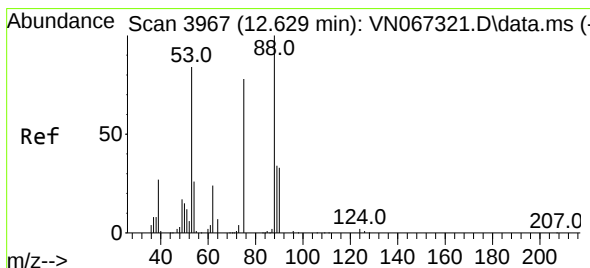
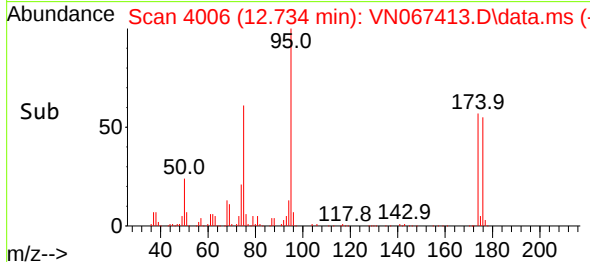
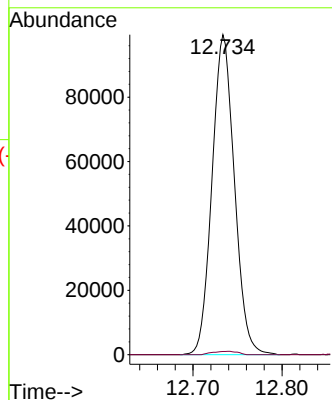
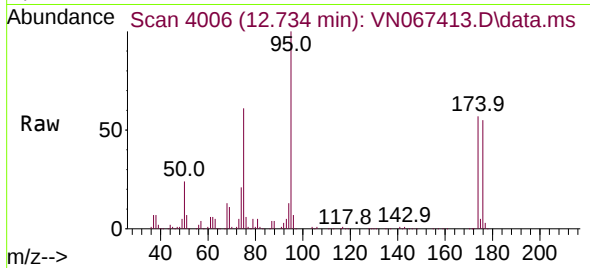




#76
1,2,3-Trichloropropane
Concen: 33.51 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

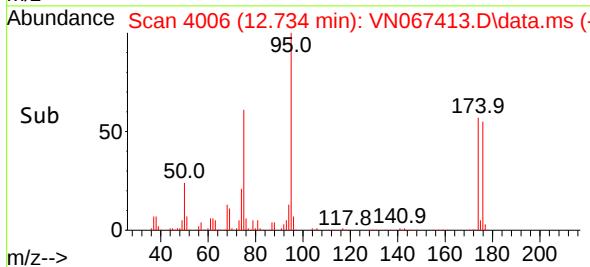
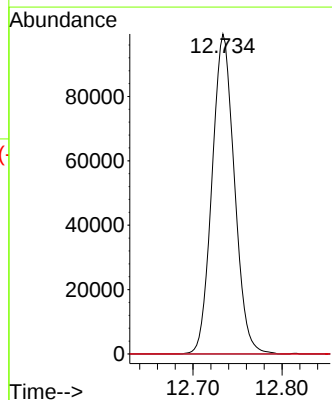
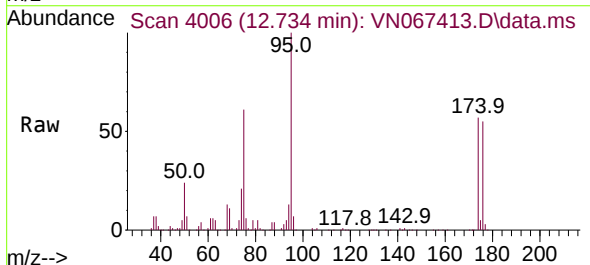
Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

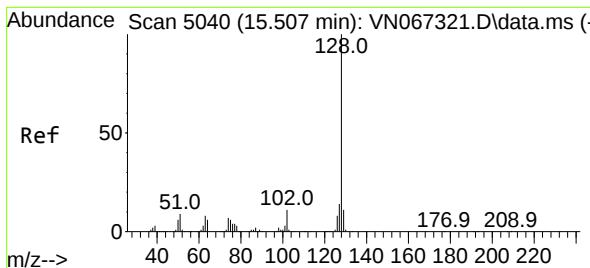
Tgt Ion: 75 Resp: 173469
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.06 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

Tgt Ion: 75 Resp: 173469
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

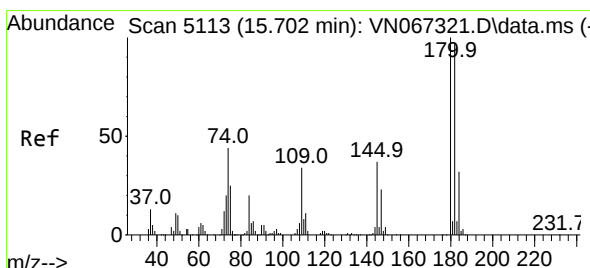
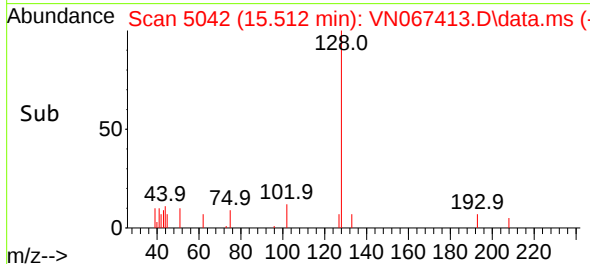
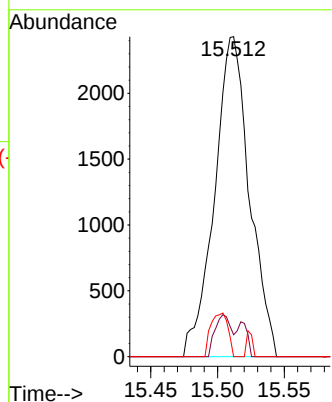
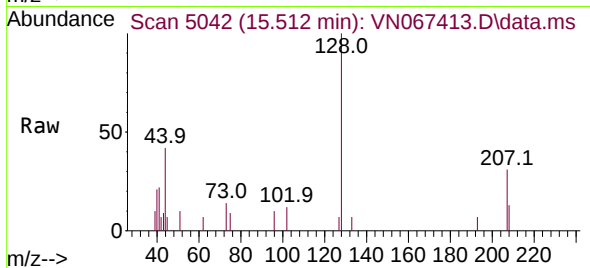




#95
Naphthalene
Concen: 2.95 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

Instrument :
MSVOA_N
ClientSampleId :
WASTE-WATER-SAMPLE

Tgt Ion:128 Resp: 4427
Ion Ratio Lower Upper
128 100
127 3.2 10.6 15.8#
129 1.3 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.25 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067413.D
Acq: 21 Jun 2021 13:48

Tgt Ion:180 Resp: 829
Ion Ratio Lower Upper
180 100
182 57.1 47.8 143.3
145 12.9 18.2 54.6#

