

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022118.D
 Acq On : 21 May 2021 16:16
 Operator : JC/MD
 Sample : M2480-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WASTE-WATER-NO-FEEDS

Quant Time: May 22 04:56:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

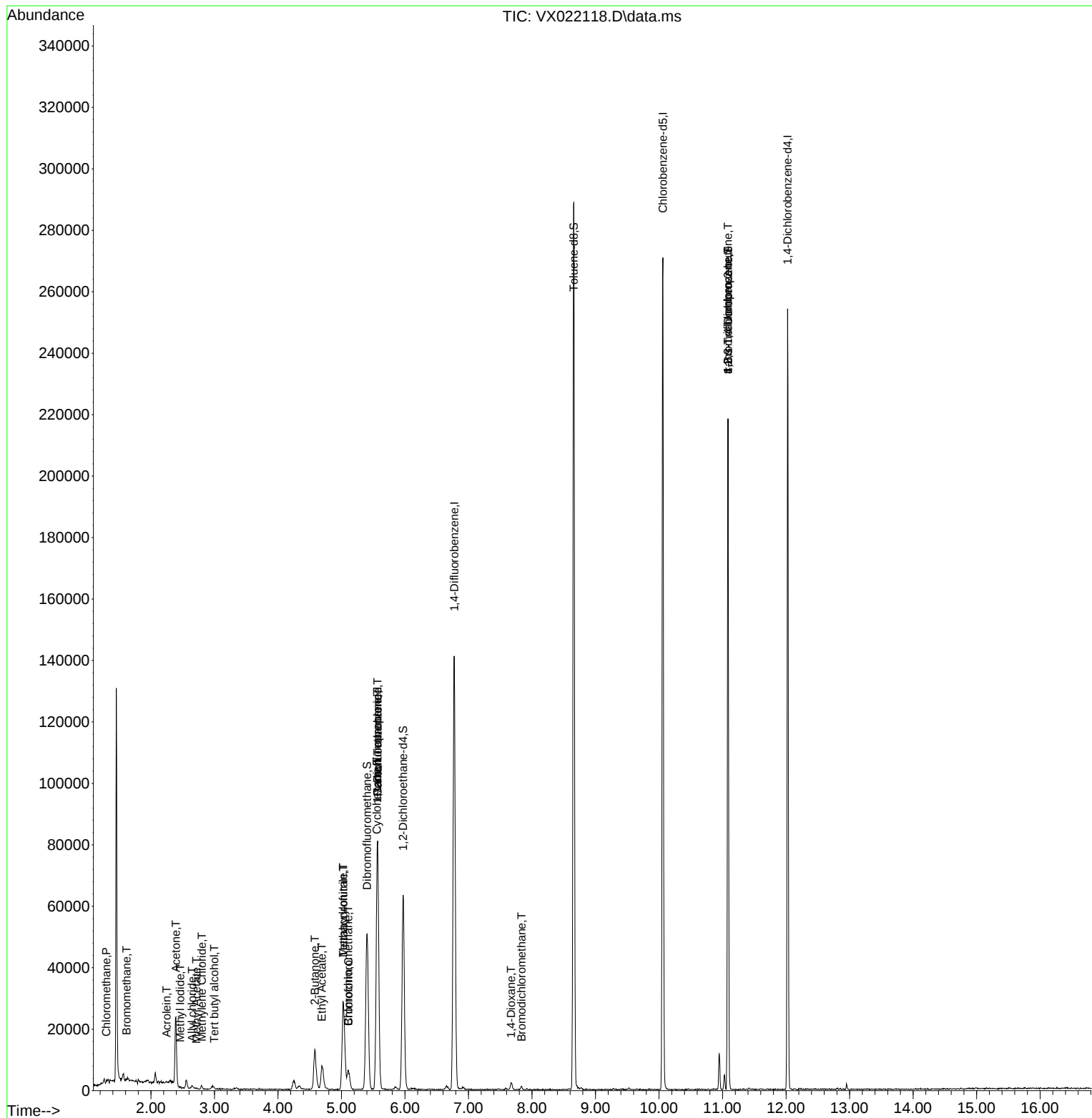
Internal Standards						
1) Pentafluorobenzene	5.568	168	70191	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.775	114	142749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	122003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	47773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	55795	51.53	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.06%			
35) Dibromofluoromethane	5.403	113	44679	49.36	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.72%			
50) Toluene-d8	8.659	98	172445	49.45	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.90%			
62) 4-Bromofluorobenzene	11.085	95	58684	45.53	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.06%			
Target Compounds						Qvalue
3) Chloromethane	1.294	50	205	0.22	ug/l	90
5) Bromomethane	1.617	94	173	0.30	ug/l	88
10) Methyl Iodide	2.458	142	230	0.26	ug/l #	76
11) Tert butyl alcohol	2.995	59	1212	4.89	ug/l #	79
13) Acrolein	2.245	56	192	1.17	ug/l #	15
14) Allyl chloride	2.647	41	1221	0.83	ug/l #	50
16) Acetone	2.391	43	25173	53.39	ug/l	100
18) Methyl Acetate	2.715	43	452	0.36	ug/l #	47
20) Methylene Chloride	2.800	84	538	0.51	ug/l #	86
25) 2-Butanone	4.580	43	21231	27.84	ug/l	97
28) Bromochloromethane	5.104	49	445	0.55	ug/l #	9
29) Tetrahydrofuran	5.025	42	27054	59.59	ug/l	91
30) Chloroform	5.110	83	6922	4.01	ug/l	94
31) Cyclohexane	5.555	56	1919	1.41	ug/l #	34
36) 1,1-Dichloropropene	5.562	75	6535	4.95	ug/l #	47
37) Ethyl Acetate	4.690	43	2513	1.55	ug/l #	64
38) Carbon Tetrachloride	5.568	117	7995	6.19	ug/l #	15
41) Methacrylonitrile	5.025	41	14575	16.84	ug/l #	43
47) Bromodichloromethane	7.836	83	726	0.52	ug/l #	68
49) 1,4-Dioxane	7.671	88	1639	69.02	ug/l #	93
76) 1,2,3-Trichloropropane	11.085	75	29931	25.40	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	29931	60.17	ug/l #	12

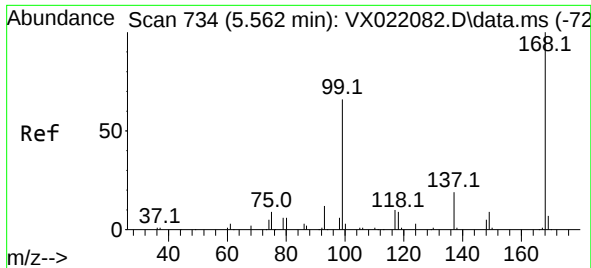
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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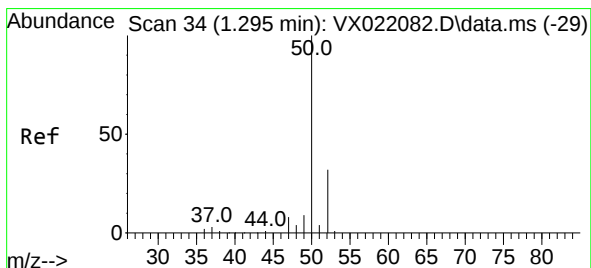
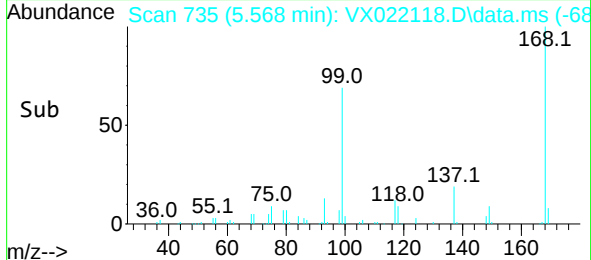
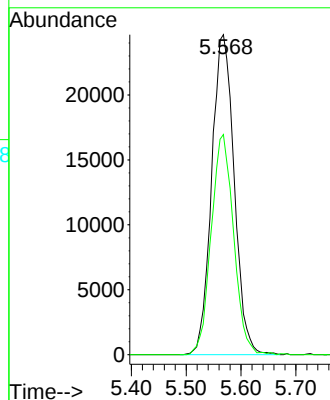
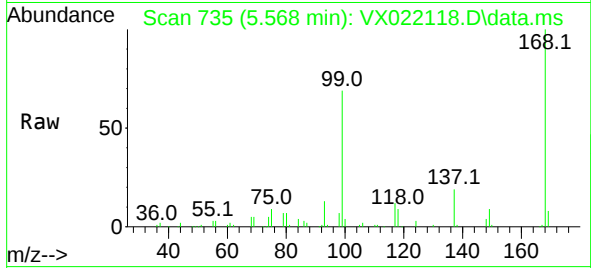




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

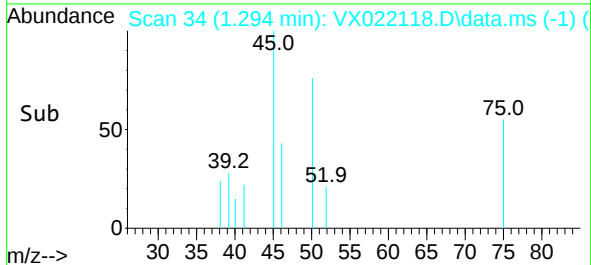
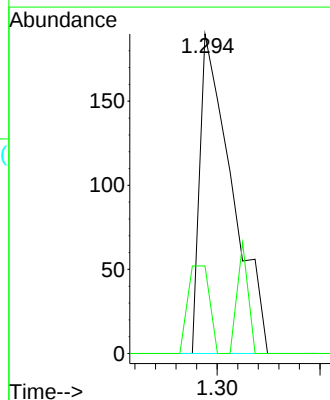
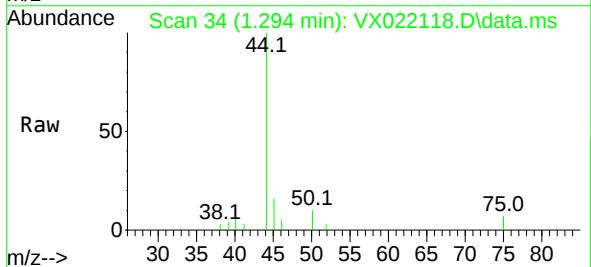
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

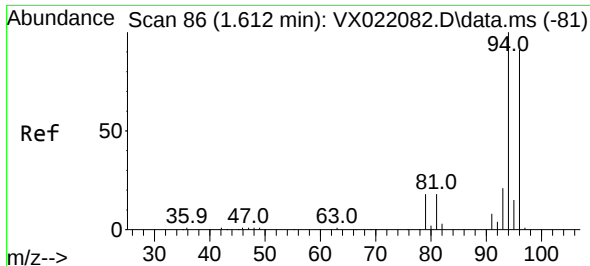
Tgt Ion:168 Resp: 70191
Ion Ratio Lower Upper
168 100
99 68.8 45.8 68.6#



#3
Chloromethane
Concen: 0.22 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Tgt Ion: 50 Resp: 205
Ion Ratio Lower Upper
50 100
52 27.4 26.4 39.6

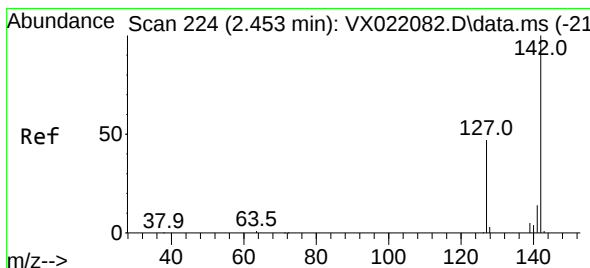
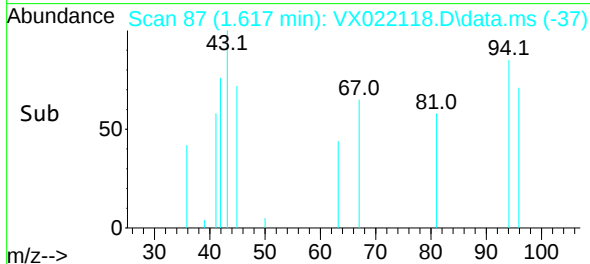
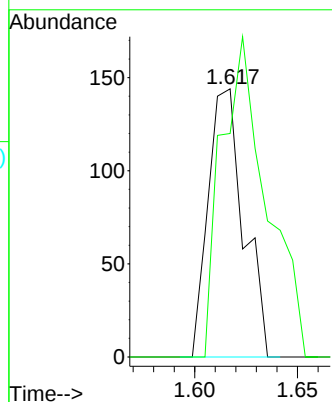
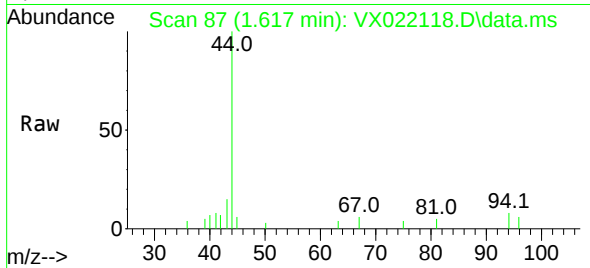




#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.005 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

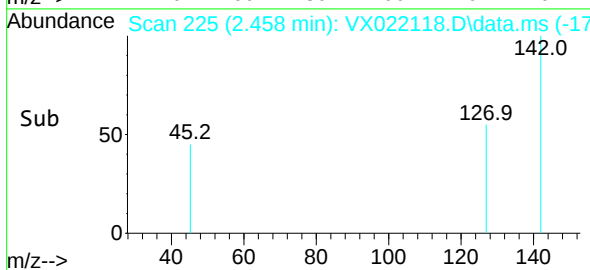
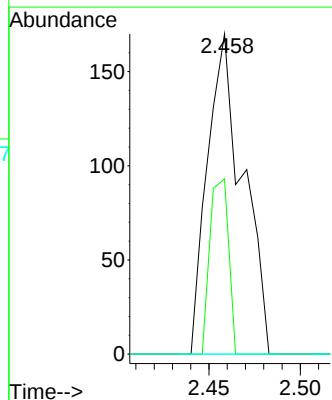
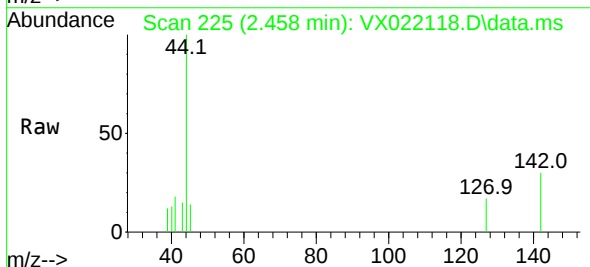
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

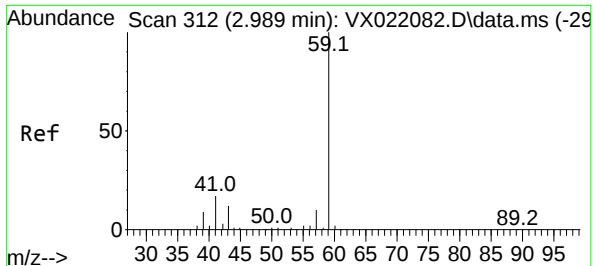
Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 83.3 76.4 114.6



#10
Methyl Iodide
Concen: 0.26 ug/l
RT: 2.458 min Scan# 225
Delta R.T. 0.005 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Tgt Ion: 142 Resp: 230
Ion Ratio Lower Upper
142 100
127 28.7 33.3 49.9#
141 0.0 11.4 17.0#



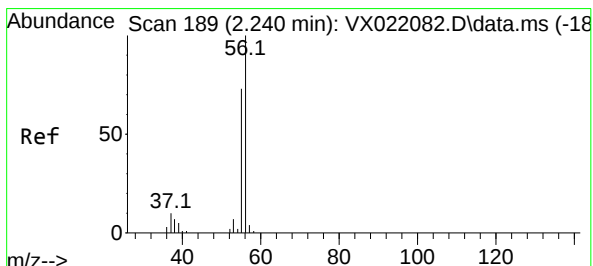
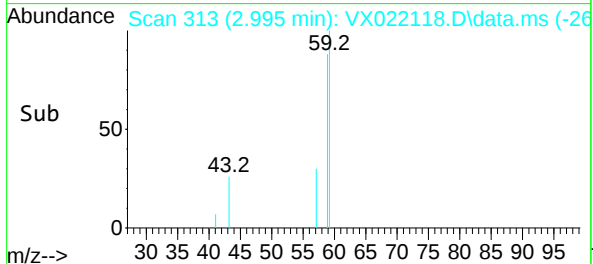
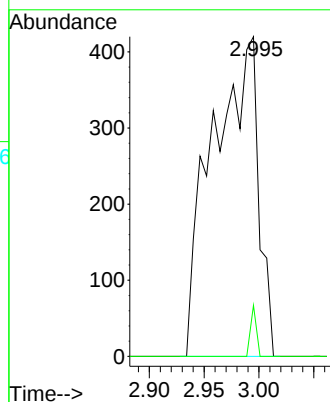
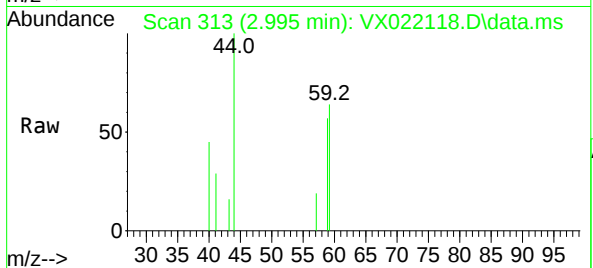


#11

Tert butyl alcohol
Concen: 4.89 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.006 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Instrument :
MSVOA_X
ClientSampleId :
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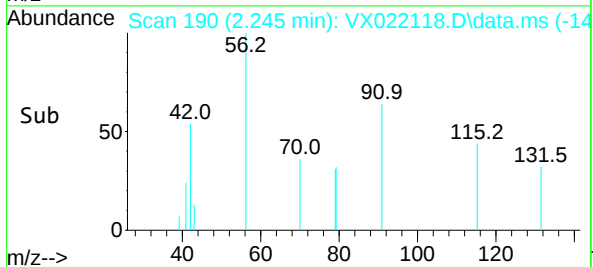
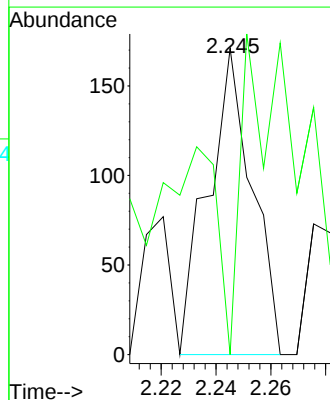
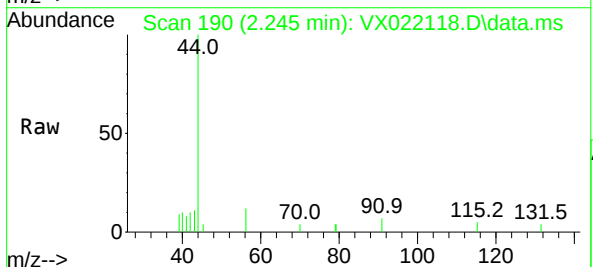
Tgt Ion: 59 Resp: 1212
Ion Ratio Lower Upper
59 100
57 2.1 7.8 11.8#

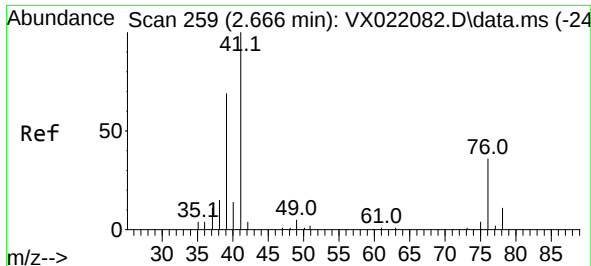


#13

Acrolein
Concen: 1.17 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.005 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 140.1 56.4 84.6#

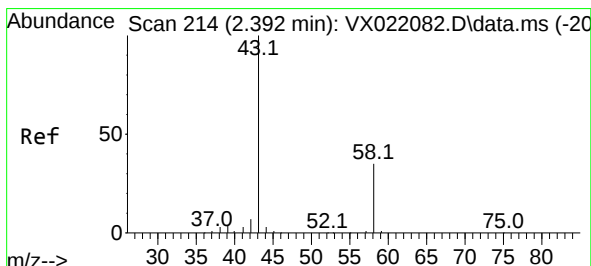
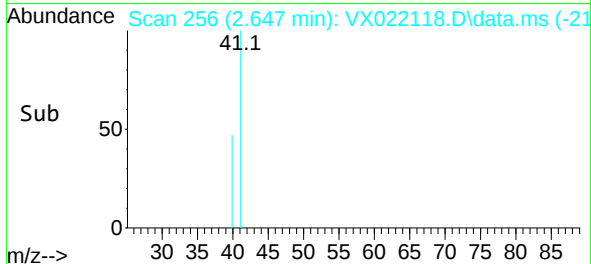
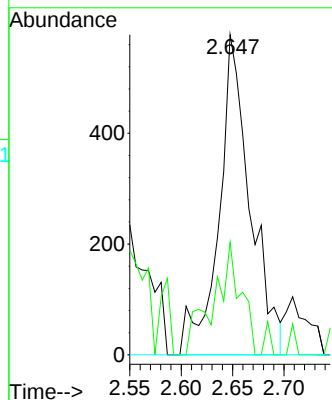
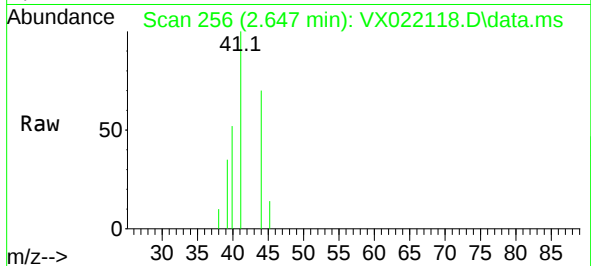




#14
 Allyl chloride
 Concen: 0.83 ug/l
 RT: 2.647 min Scan# 256
 Delta R.T. -0.019 min
 Lab File: VX022118.D
 Acq: 21 May 2021 16:16

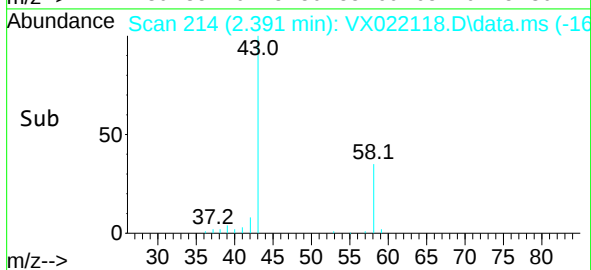
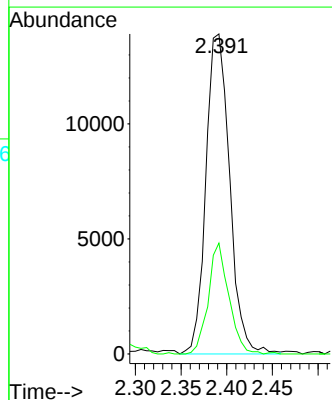
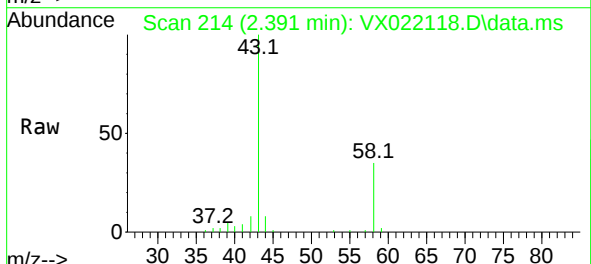
Instrument :
 MSVOA_X
 ClientSampleId :
 WASTE-WATER-NO-FEEDS

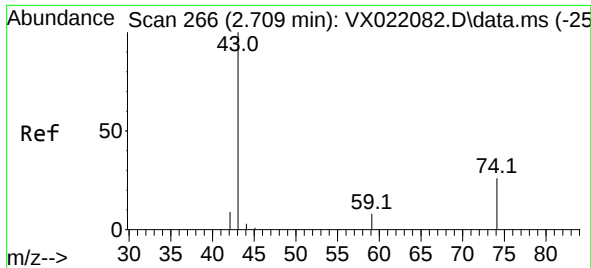
Tgt Ion: 41	Resp: 1221
Ion Ratio	Lower Upper
41 100	
39 31.3	51.6 77.4#
76 0.0	30.5 45.7#



#16
 Acetone
 Concen: 53.39 ug/l
 RT: 2.391 min Scan# 214
 Delta R.T. -0.001 min
 Lab File: VX022118.D
 Acq: 21 May 2021 16:16

Tgt Ion: 43	Resp: 25173
Ion Ratio	Lower Upper
43 100	
58 34.7	27.8 41.8

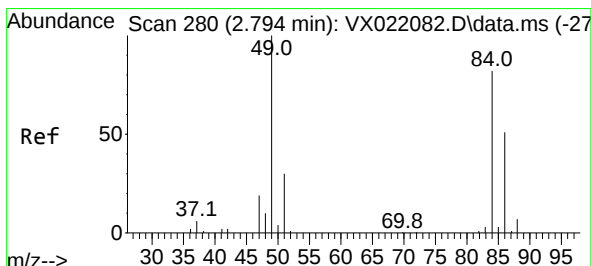
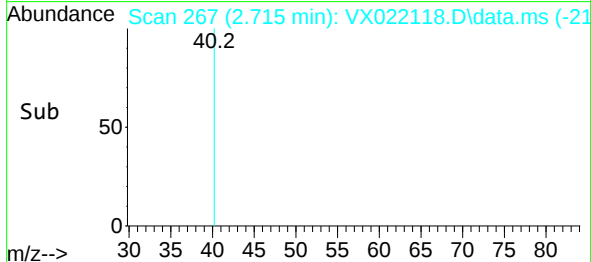
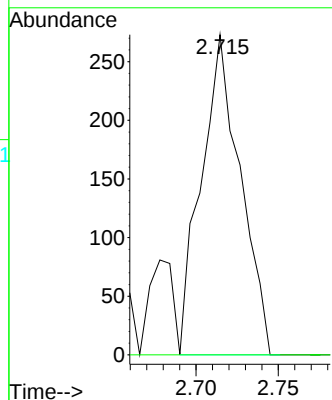
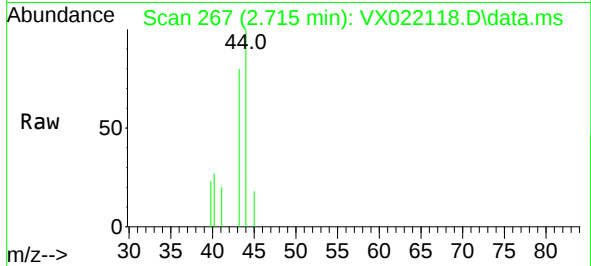




#18
Methyl Acetate
Concen: 0.36 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

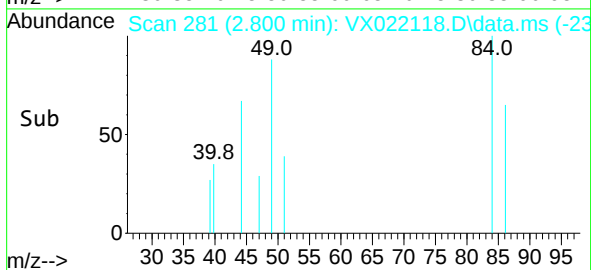
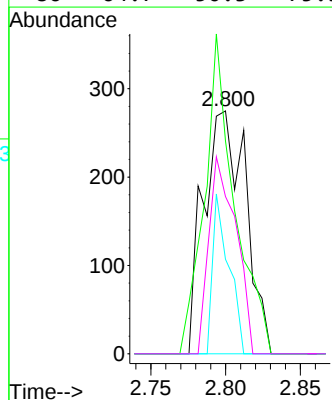
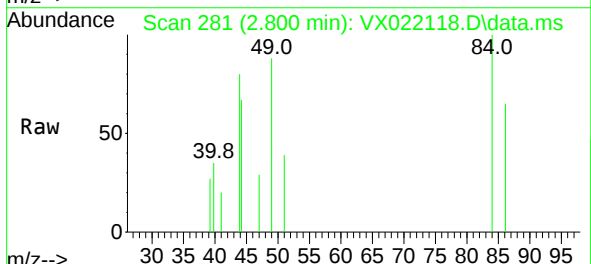
Instrument :
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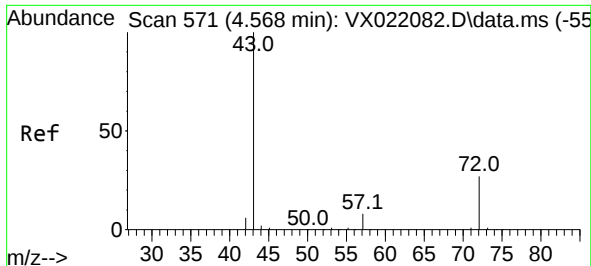
Tgt Ion: 43 Resp: 452
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 0.51 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Tgt Ion: 84 Resp: 538
Ion Ratio Lower Upper
84 100
49 87.6 88.6 132.8#
51 38.9 27.0 40.6
86 64.7 50.3 75.5

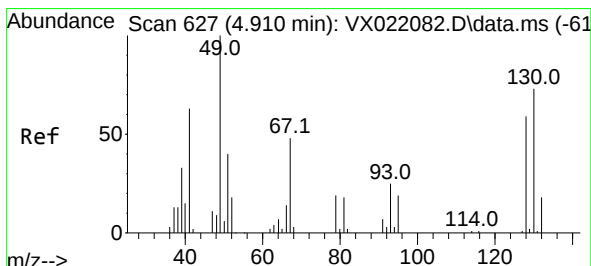
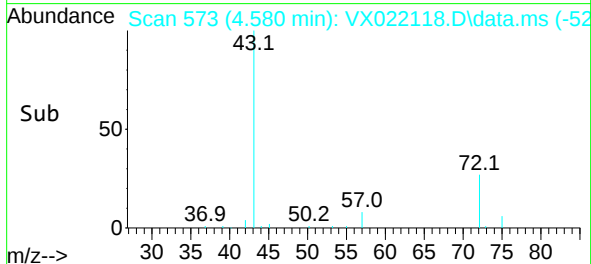
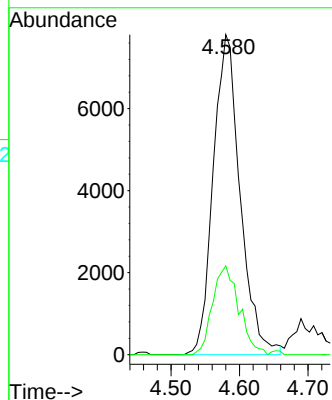
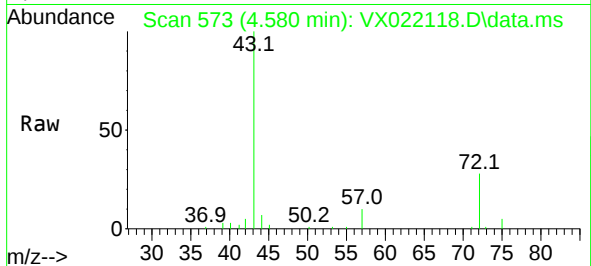




#25
2-Butanone
Concen: 27.84 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

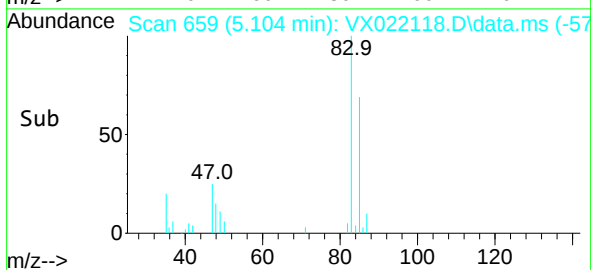
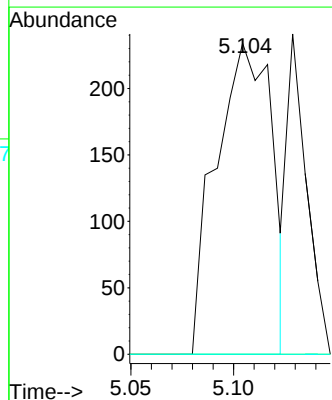
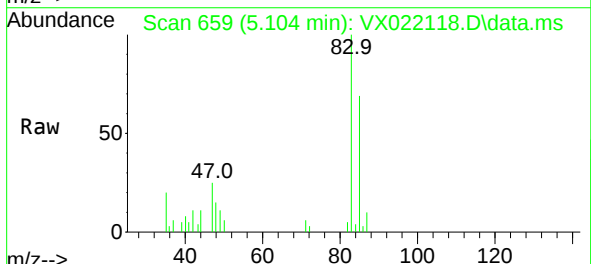
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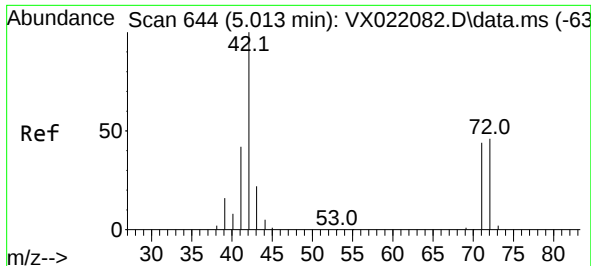
Tgt Ion: 43 Resp: 21231
Ion Ratio Lower Upper
43 100
72 27.8 23.7 35.5



#28
Bromochloromethane
Concen: 0.55 ug/l
RT: 5.104 min Scan# 659
Delta R.T. 0.194 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Tgt Ion: 49 Resp: 445
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#





#29

Tetrahydrofuran

Concen: 59.59 ug/l

RT: 5.025 min Scan# 646

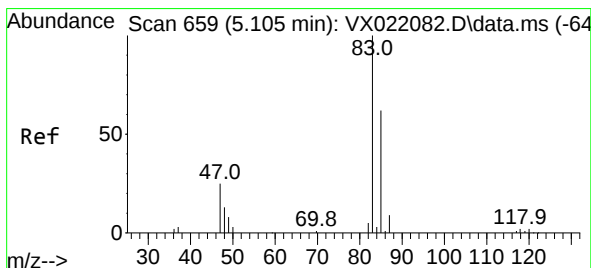
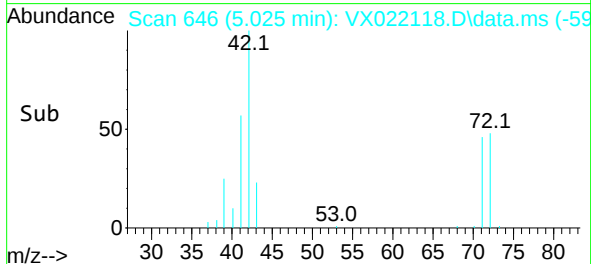
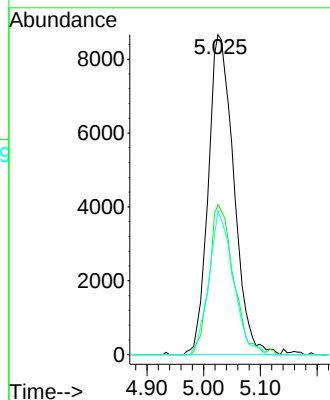
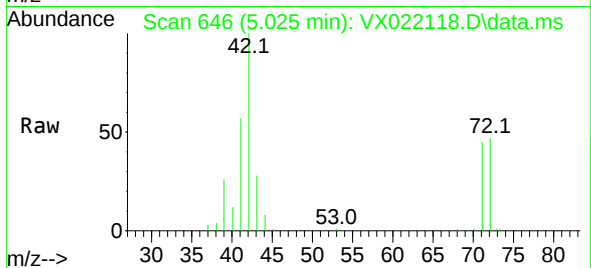
Delta R.T. 0.012 min

Lab File: VX022118.D

Acq: 21 May 2021 16:16

Tgt Ion:	42	Resp:	27054
Ion	Ratio	Lower	Upper
42	100		
72	44.8	41.7	62.5
71	42.6	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS



#30

Chloroform

Concen: 4.01 ug/l

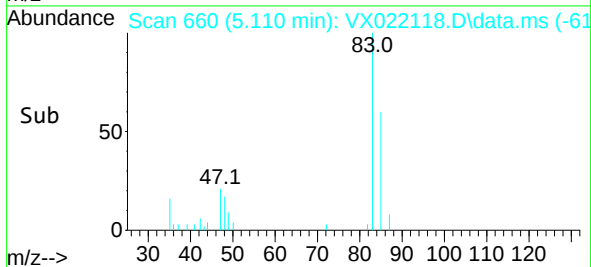
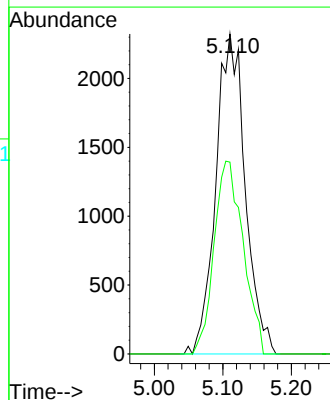
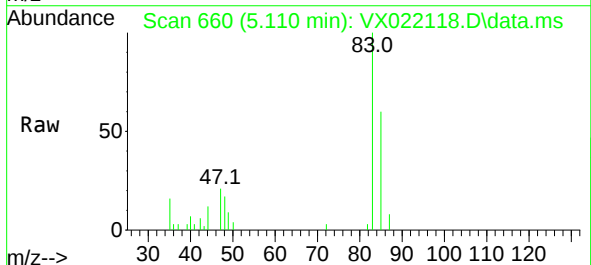
RT: 5.110 min Scan# 660

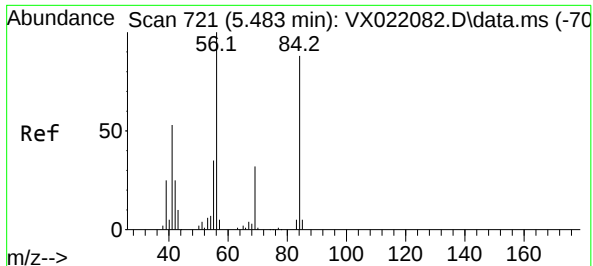
Delta R.T. 0.005 min

Lab File: VX022118.D

Acq: 21 May 2021 16:16

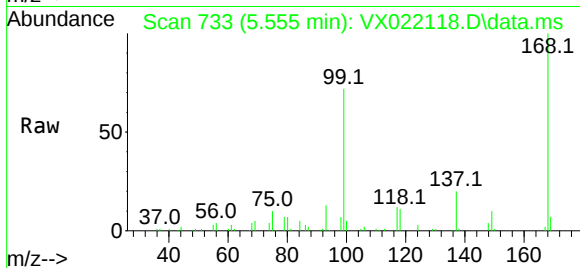
Tgt Ion:	83	Resp:	6922
Ion	Ratio	Lower	Upper
83	100		
85	59.9	52.0	78.0



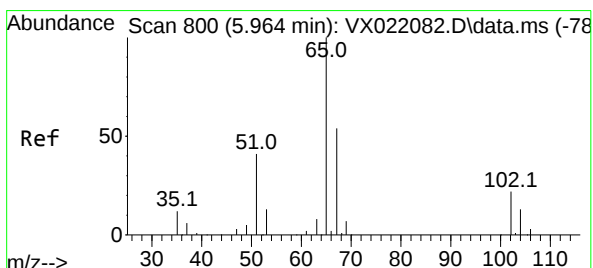
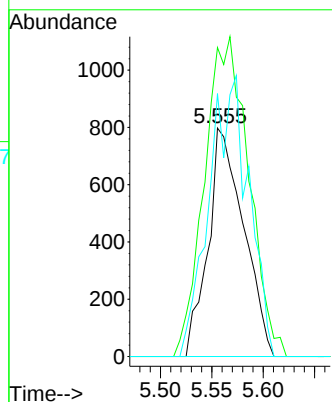
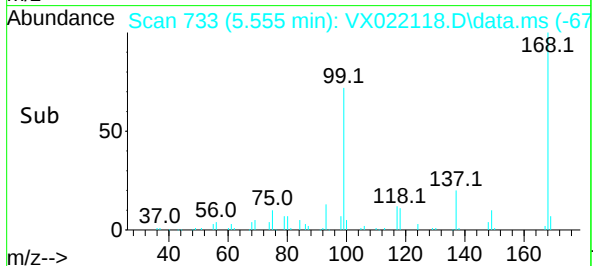


#31
Cyclohexane
Concen: 1.41 ug/l
RT: 5.555 min Scan# 733
Delta R.T. 0.072 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

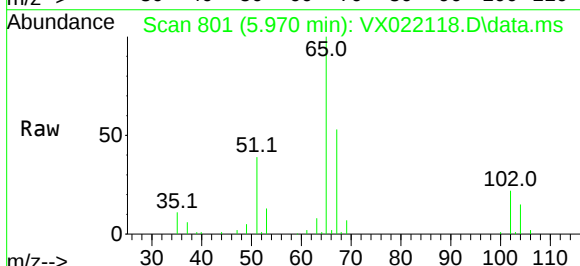
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS



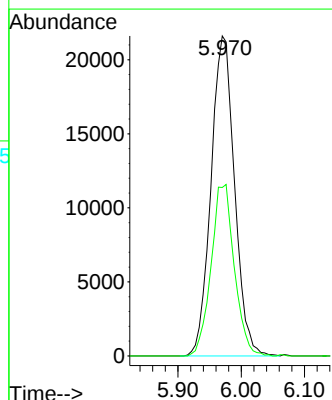
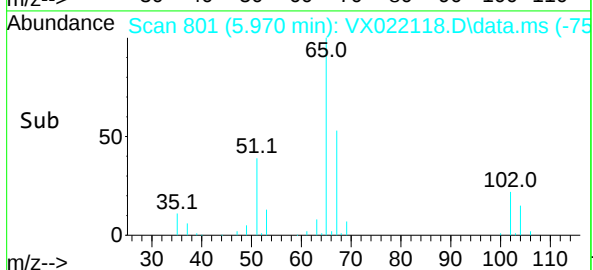
Tgt Ion: 56 Resp: 1919
Ion Ratio Lower Upper
56 100
69 128.1 25.3 37.9#
84 115.0 71.4 107.0#

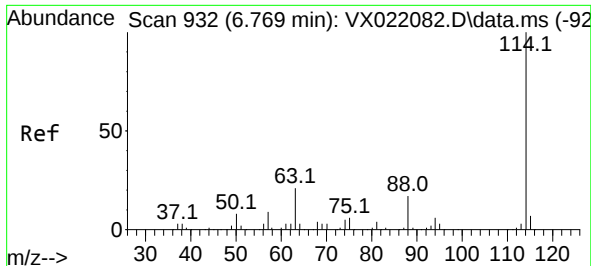


#33
1,2-Dichloroethane-d4
Concen: 51.53 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16



Tgt Ion: 65 Resp: 55795
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4

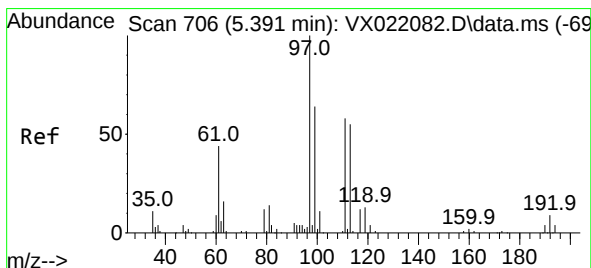
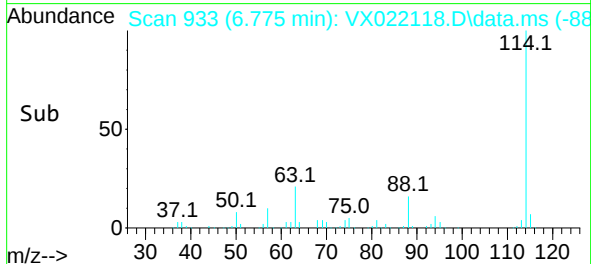
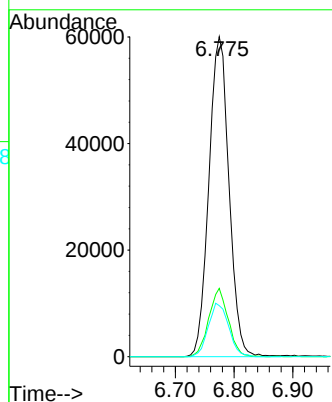
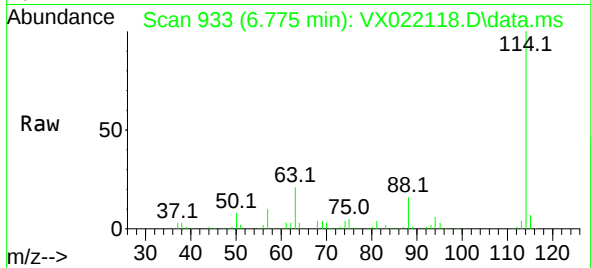




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

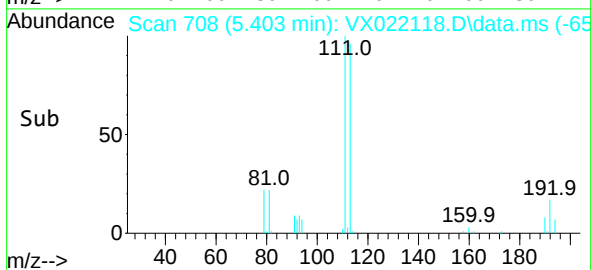
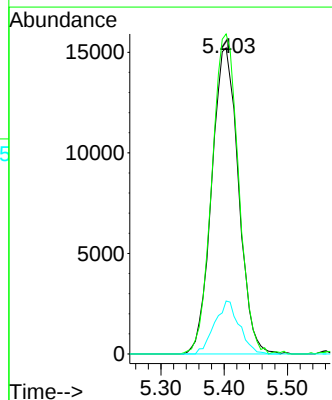
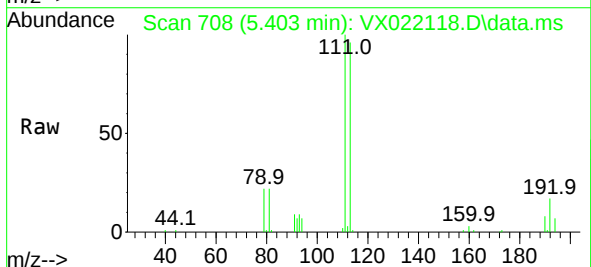
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

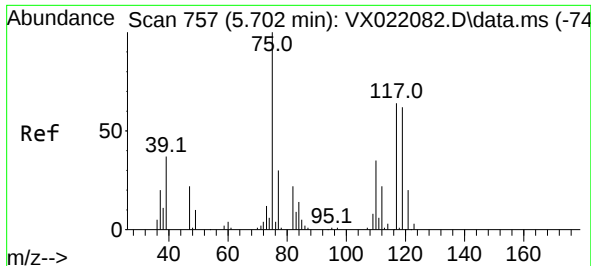
Tgt Ion:114 Resp: 142749
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.36 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.012 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

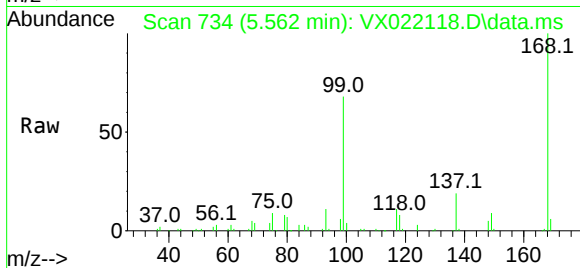
Tgt Ion:113 Resp: 44679
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 16.0 16.7 25.1#



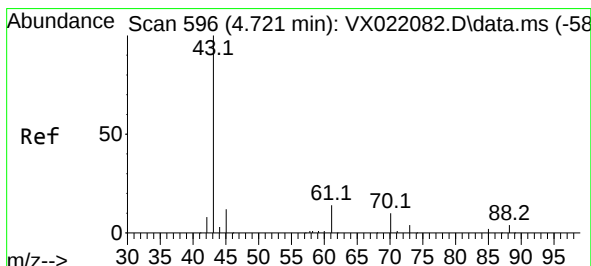
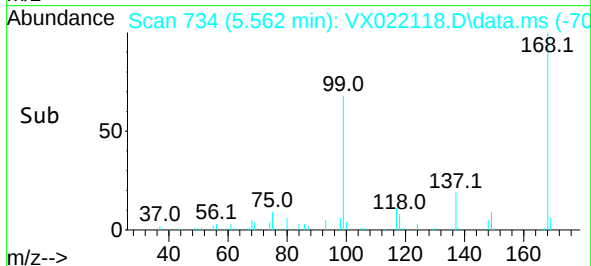
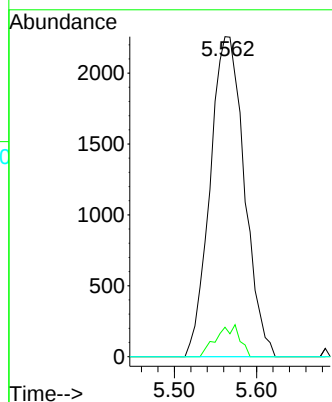


#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

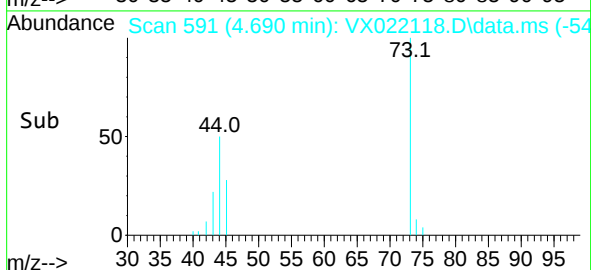
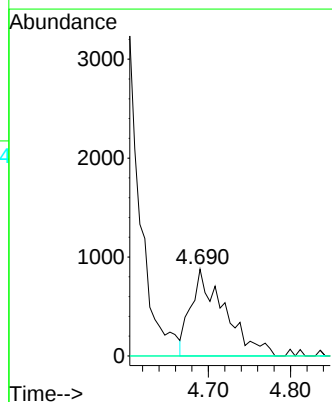
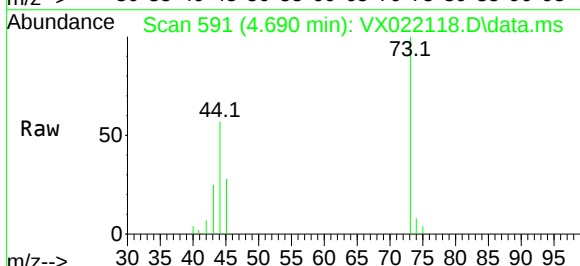


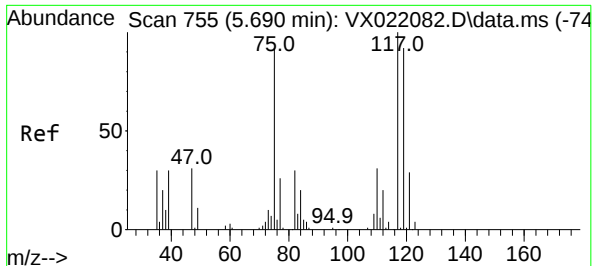
Tgt Ion: 75 Resp: 6535
Ion Ratio Lower Upper
75 100
110 6.8 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.55 ug/l
RT: 4.690 min Scan# 591
Delta R.T. -0.031 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

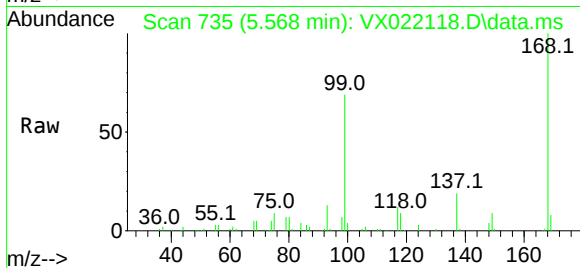
Tgt Ion: 43 Resp: 2513
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



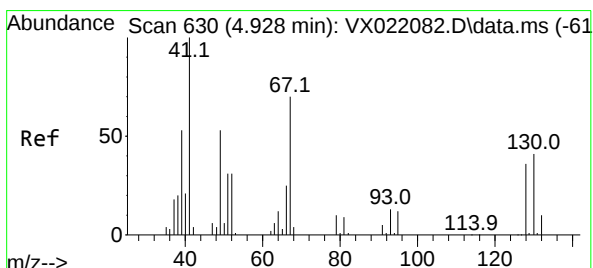
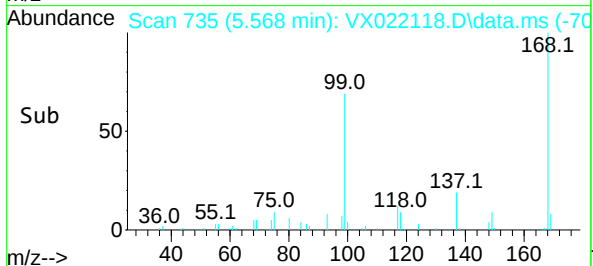
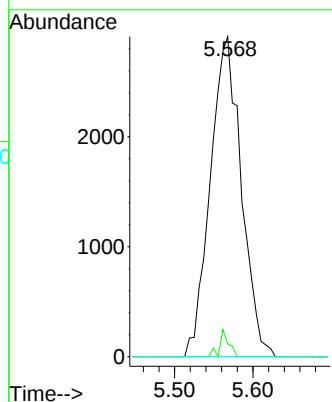


#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

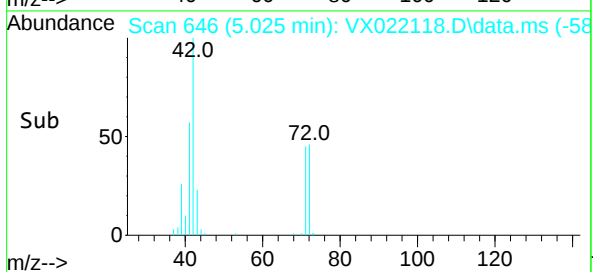
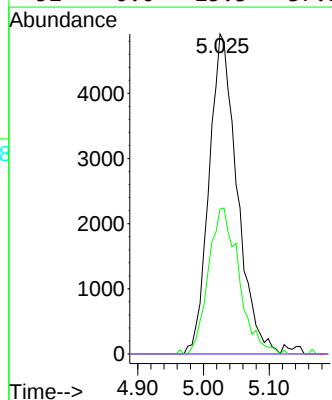
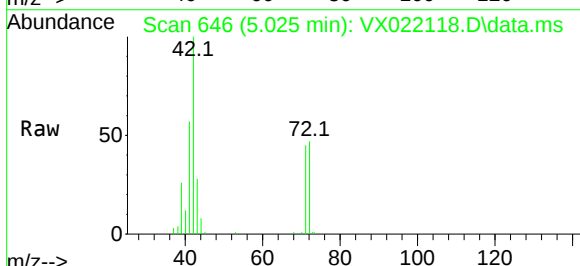


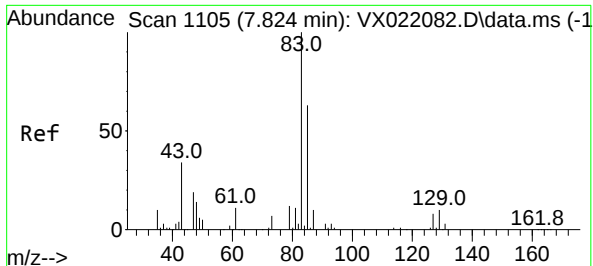
Tgt Ion: 117 Resp: 7995
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 16.84 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Tgt Ion: 41 Resp: 14575
Ion Ratio Lower Upper
41 100
39 49.6 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

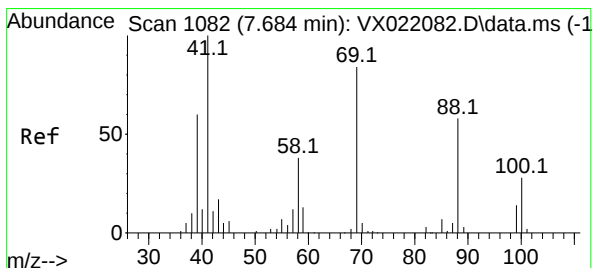
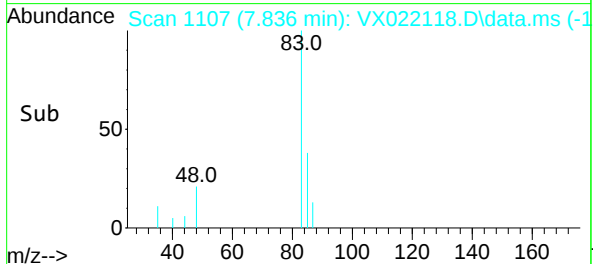
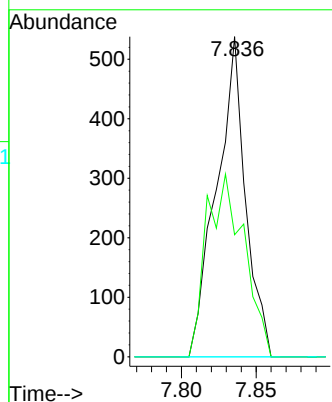
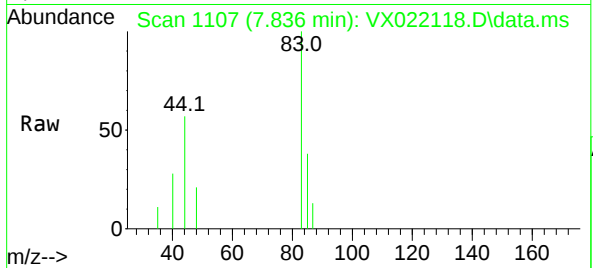




#47
Bromodichloromethane
Concen: 0.52 ug/l
RT: 7.836 min Scan# 1107
Delta R.T. 0.012 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

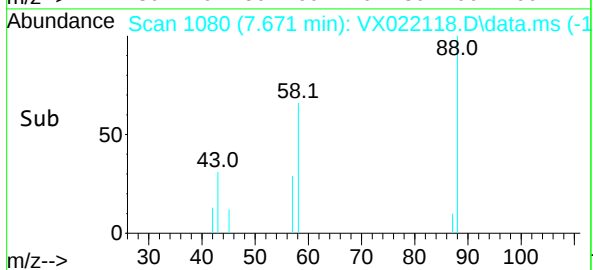
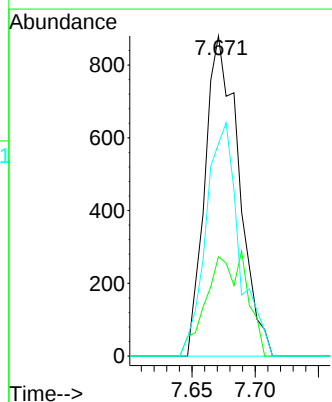
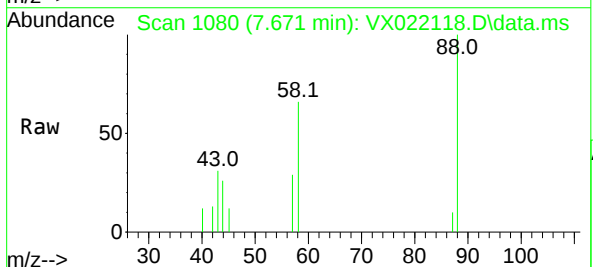
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

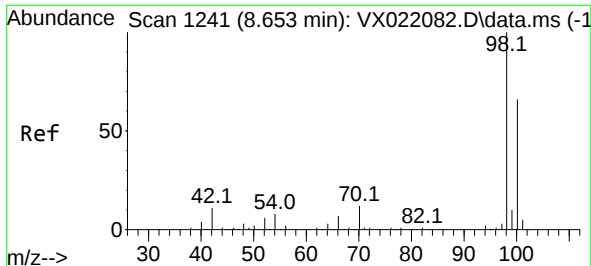
Tgt Ion: 83 Resp: 726
Ion Ratio Lower Upper
83 100
85 38.1 51.4 77.0#
127 0.0 6.8 10.2#



#49
1,4-Dioxane
Concen: 69.02 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.013 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Tgt Ion: 88 Resp: 1639
Ion Ratio Lower Upper
88 100
43 37.9 23.2 34.8#
58 71.3 55.0 82.4

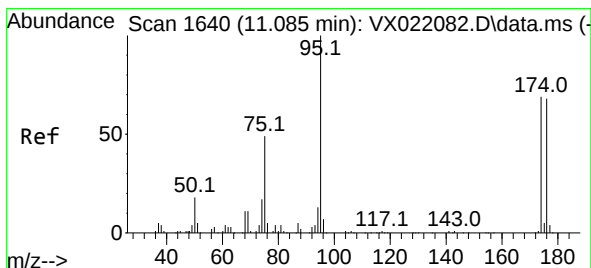
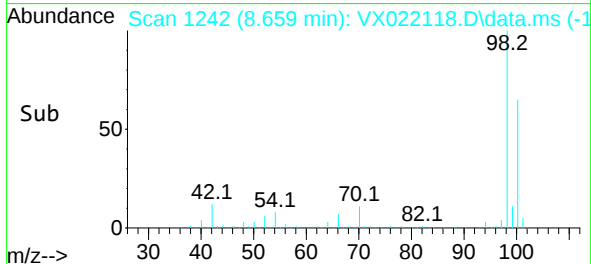
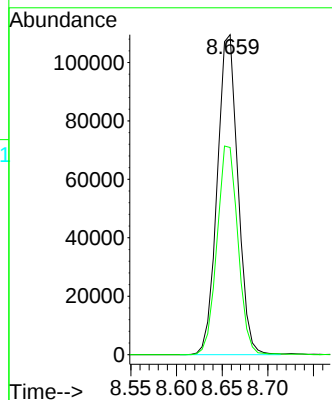
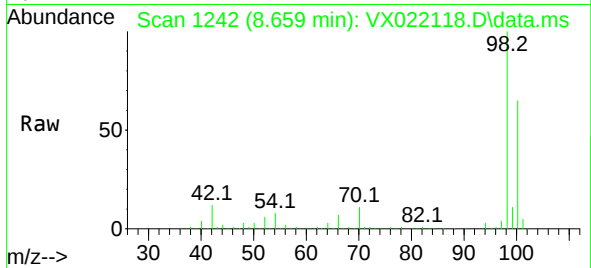




#50
Toluene-d8
Concen: 49.45 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

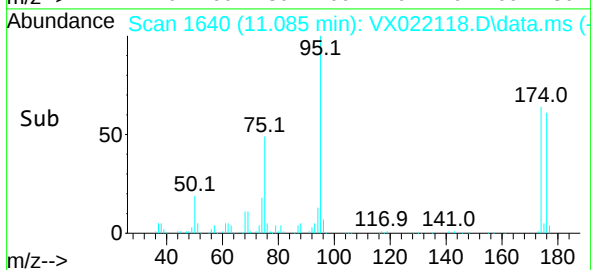
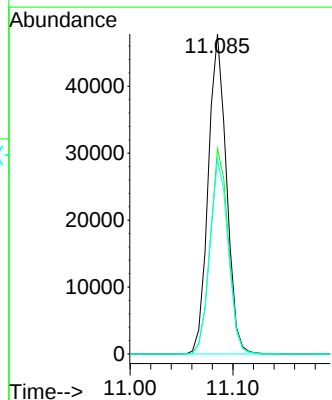
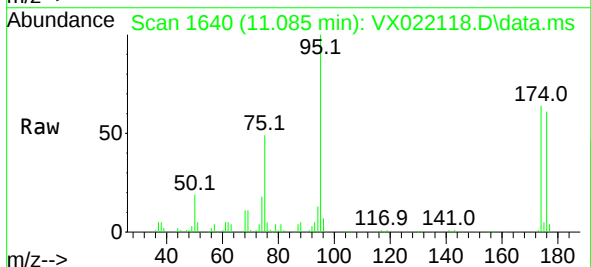
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

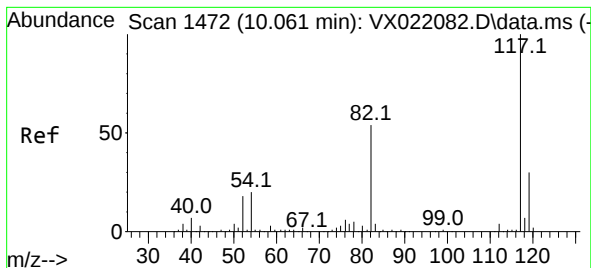
Tgt Ion: 98 Resp: 172445
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.53 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Tgt Ion: 95 Resp: 58684
Ion Ratio Lower Upper
95 100
174 63.8 0.0 154.6
176 61.4 0.0 155.8

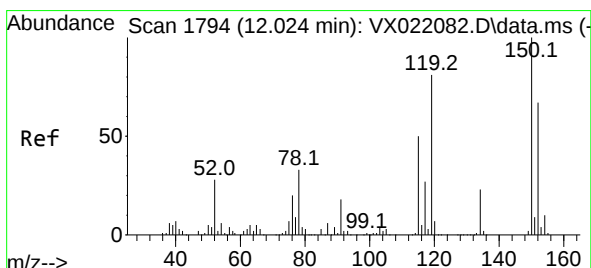
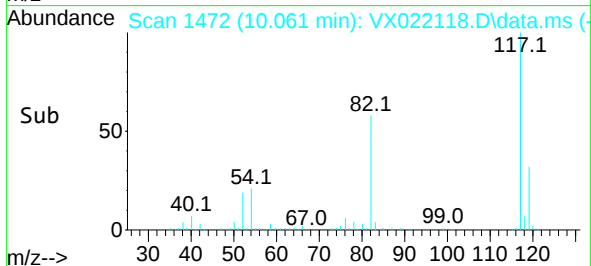
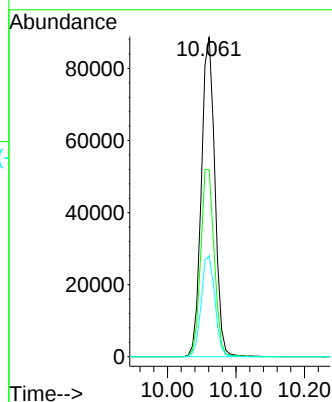
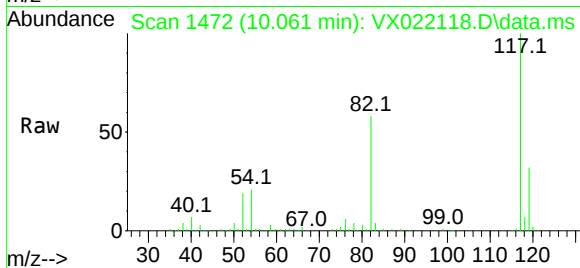




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

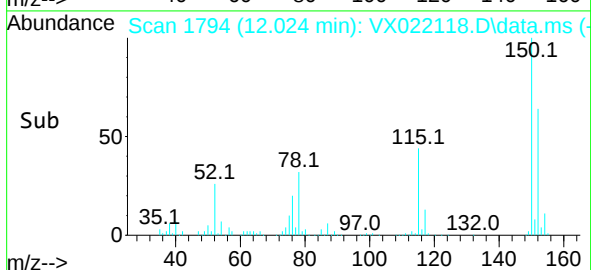
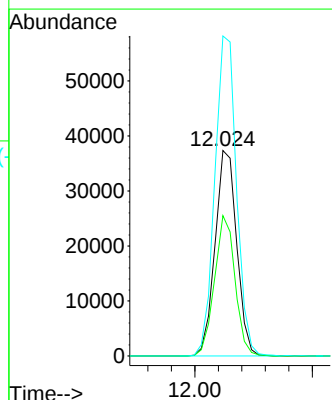
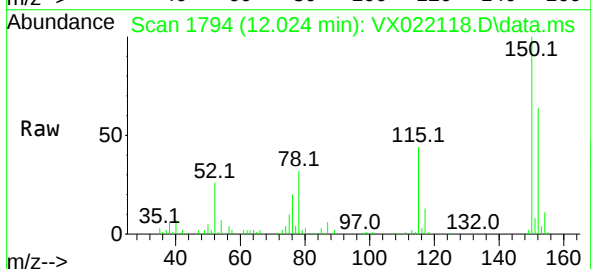
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

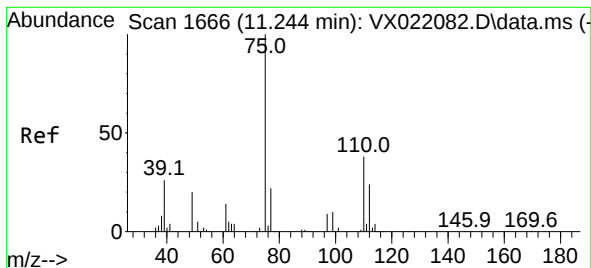
Tgt Ion:117 Resp: 122003
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Tgt Ion:152 Resp: 47773
Ion Ratio Lower Upper
152 100
115 64.7 41.1 123.3
150 156.0 0.0 349.0

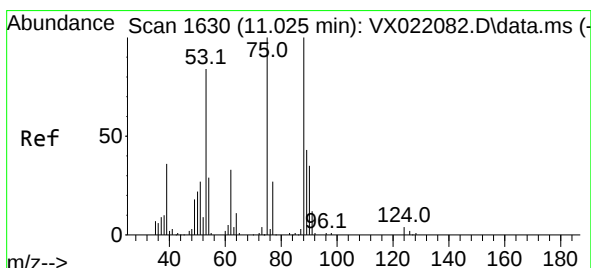
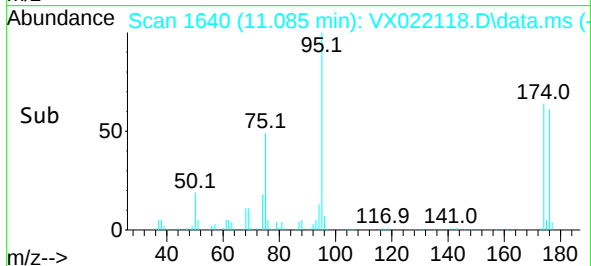
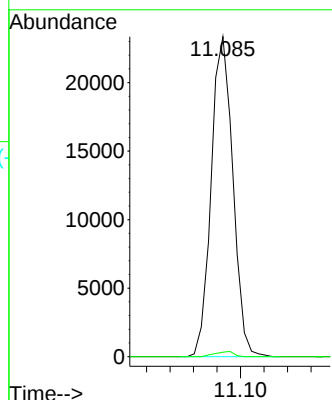
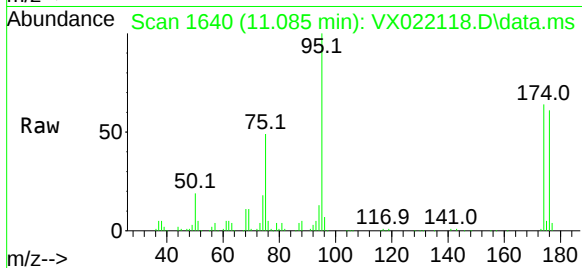




#76
1,2,3-Trichloropropane
Concen: 25.40 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-NO-FEEDS

Tgt Ion: 75 Resp: 29931
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.17 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022118.D
Acq: 21 May 2021 16:16

Tgt Ion: 75 Resp: 29931
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

