

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051822\
 Data File : VX028806.D
 Acq On : 18 May 2022 15:19
 Operator : JC/MD
 Sample : N2902-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WASTE-WATER-5/16/22

Quant Time: May 19 01:34:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	303575	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	475406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	449986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	210046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	184430	44.320	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.640%		
35) Dibromofluoromethane	5.385	113	183940	59.054	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	118.100%		
50) Toluene-d8	8.653	98	566407	48.232	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.460%		
62) 4-Bromofluorobenzene	11.079	95	213830	48.750	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	97.500%		
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	601	Below Cal		96
6) Chloroethane	1.660	64	400	Below Cal	#	72
11) Tert butyl alcohol	2.953	59	1903	Below Cal	#	72
13) Acrolein	2.239	56	450	0.659	ug/l #	27
16) Acetone	2.380	43	23452	13.131	ug/l	94
25) 2-Butanone	4.568	43	8221	2.933	ug/l #	87
28) Bromochloromethane	5.093	49	1749	0.664	ug/l #	7
30) Chloroform	5.099	83	21952	3.240	ug/l	96
31) Cyclohexane	5.550	56	7024	1.216	ug/l #	4
36) 1,1-Dichloropropene	5.556	75	24899	5.322	ug/l #	50
37) Ethyl Acetate	4.568	43	8221	1.682	ug/l #	65
38) Carbon Tetrachloride	5.556	117	32339	6.869	ug/l #	15
51) 4-Methyl-2-Pentanone	8.574	43	1478	0.294	ug/l	98
59) 2-Hexanone	9.439	43	2377	0.608	ug/l	92
73) Isopropylbenzene	10.963	105	3726	0.234	ug/l	91
74) N-amyl acetate	10.860	43	15794	2.522	ug/l #	10
76) 1,2,3-Trichloropropane	11.079	75	113778	23.130	ug/l #	38
78) n-propylbenzene	11.305	91	5044	0.274	ug/l	100
79) 2-Chlorotoluene	11.305	91	5044	0.447	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	113778	67.531	ug/l #	15
85) sec-Butylbenzene	11.890	105	6617	0.417	ug/l	78
90) Hexachloroethane	12.616	117	1978	0.920	ug/l #	10
95) Naphthalene	13.780	128	3594	0.241	ug/l #	68

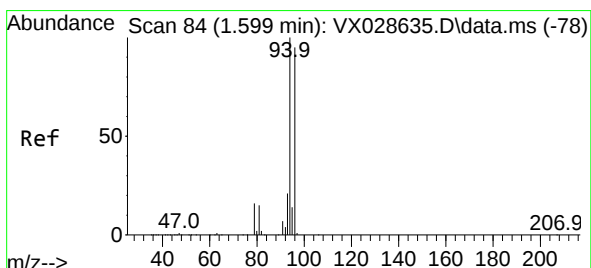
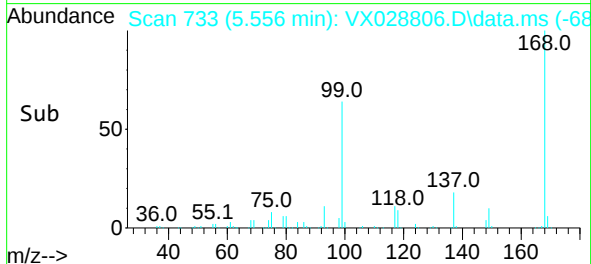
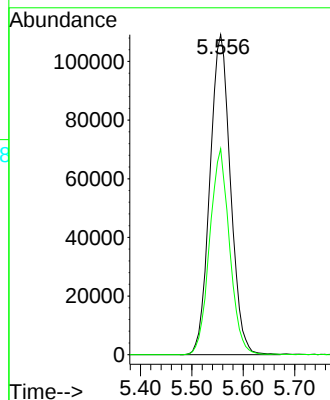
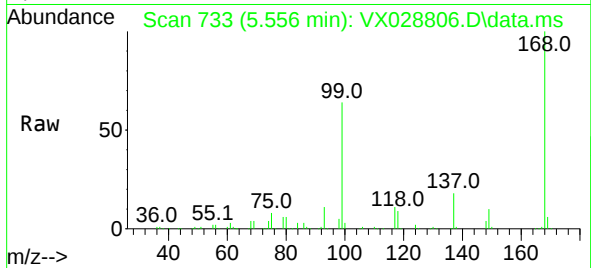
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

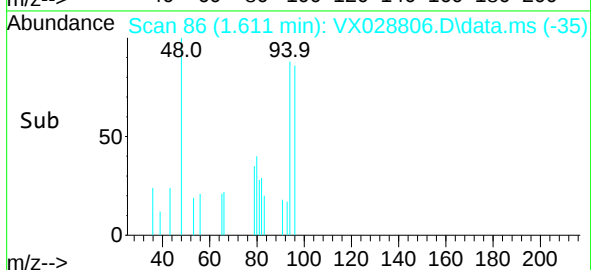
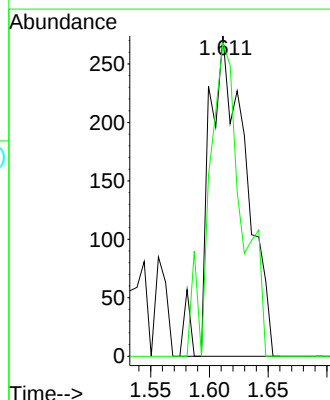
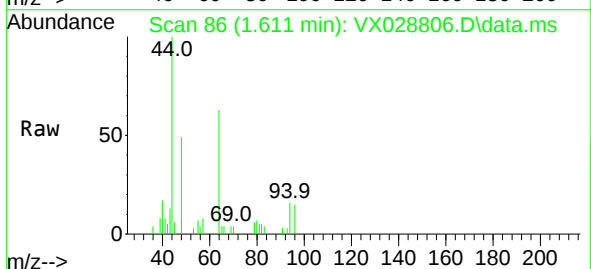
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-5/16/22

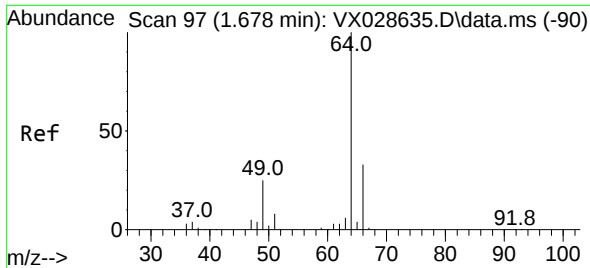
Tgt Ion:168 Resp: 303575
Ion Ratio Lower Upper
168 100
99 64.3 41.7 62.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Tgt Ion: 94 Resp: 601
Ion Ratio Lower Upper
94 100
96 97.8 75.3 112.9

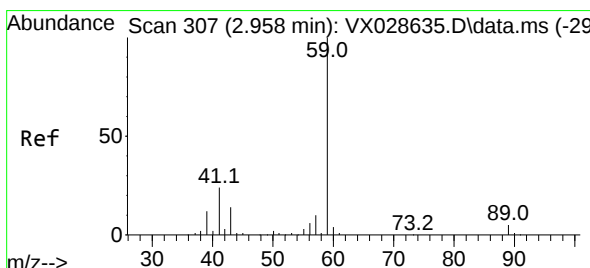
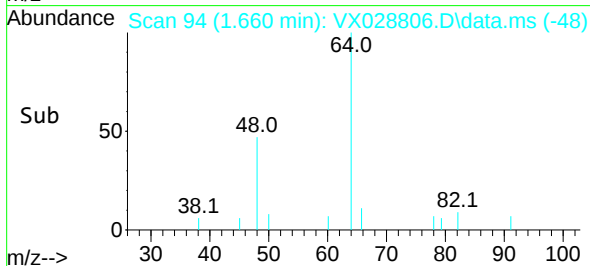
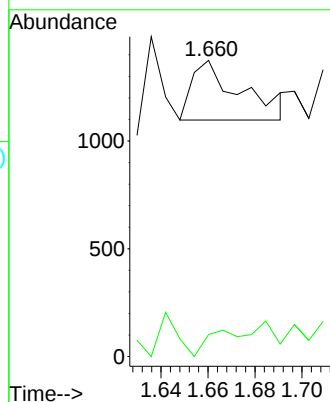
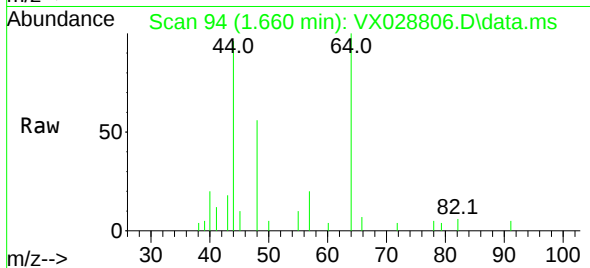




#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

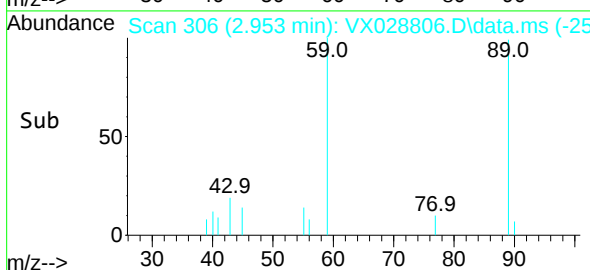
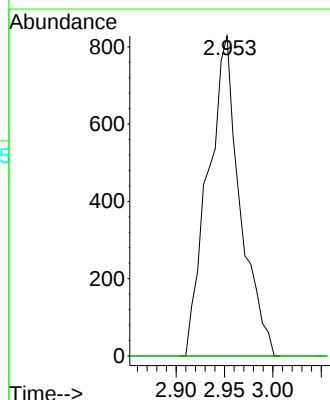
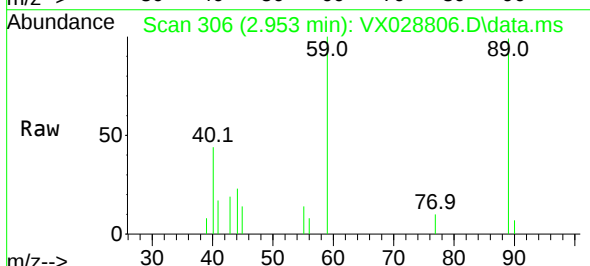
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-5/16/22

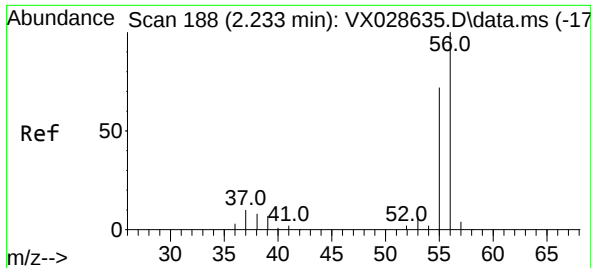
Tgt Ion: 64 Resp: 400
Ion Ratio Lower Upper
64 100
66 15.9 25.3 37.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Tgt Ion: 59 Resp: 1903
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

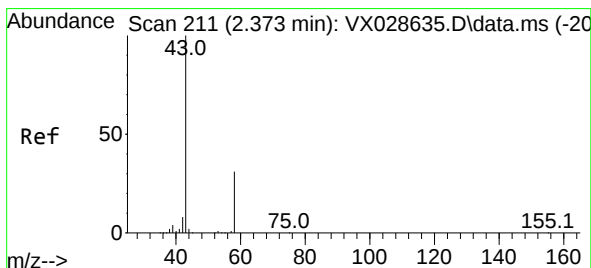
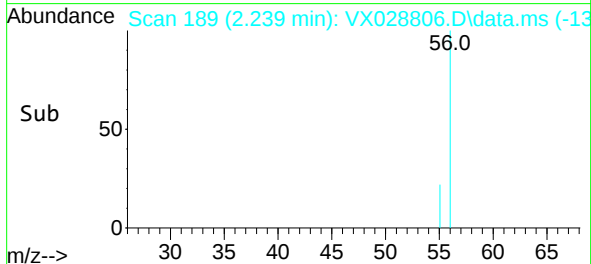
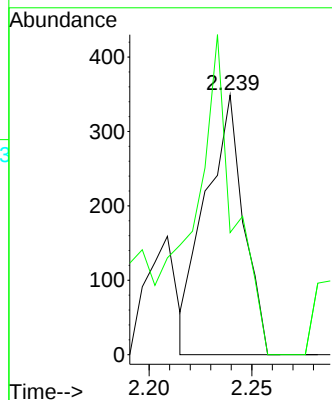
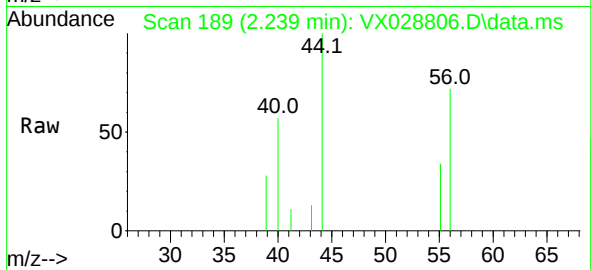




#13
Acrolein
Concen: 0.659 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

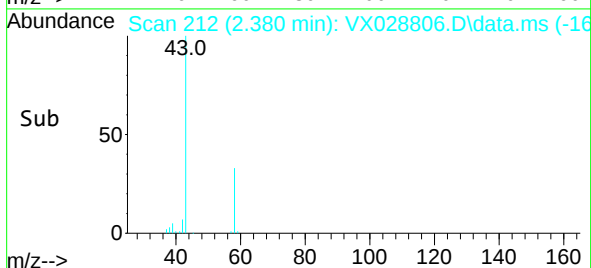
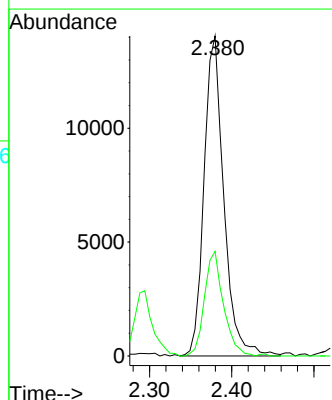
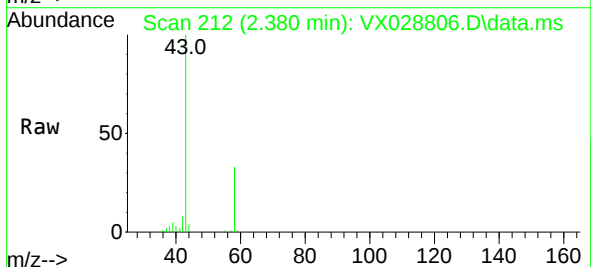
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-5/16/22

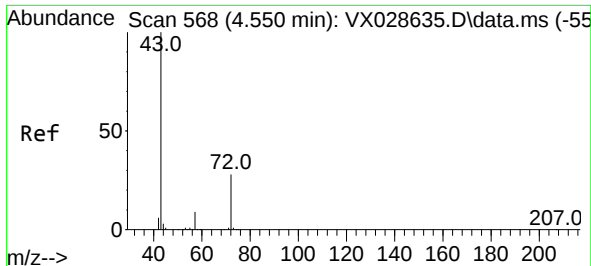
Tgt Ion: 56 Resp: 450
Ion Ratio Lower Upper
56 100
55 128.0 55.0 82.6#



#16
Acetone
Concen: 13.131 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Tgt Ion: 43 Resp: 23452
Ion Ratio Lower Upper
43 100
58 32.7 28.8 43.2

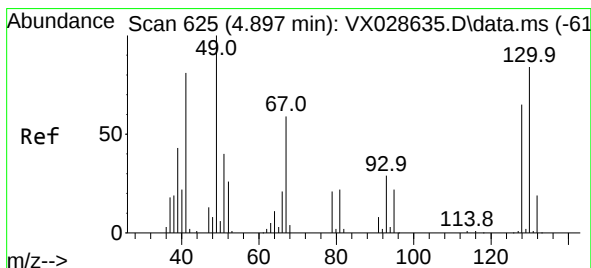
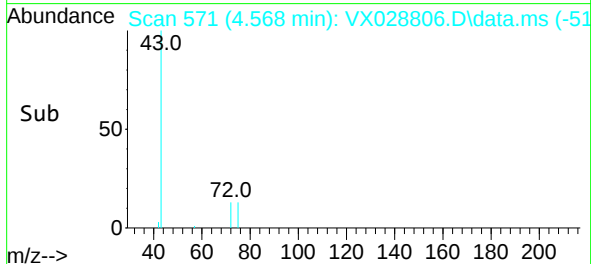
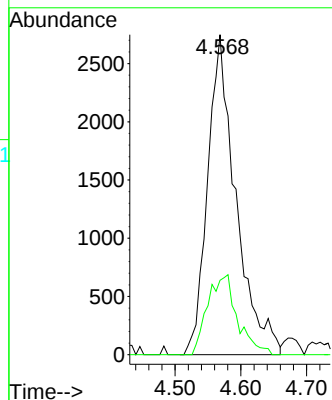
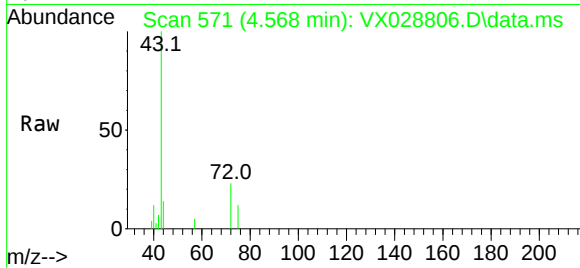




#25
2-Butanone
Concen: 2.933 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

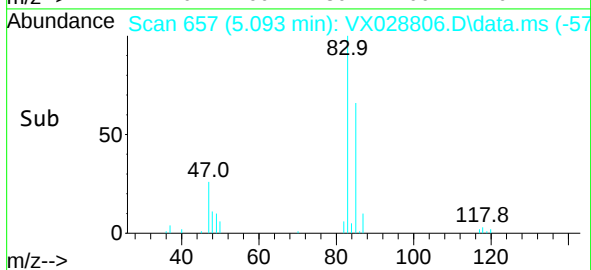
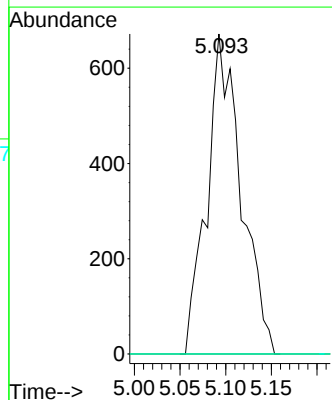
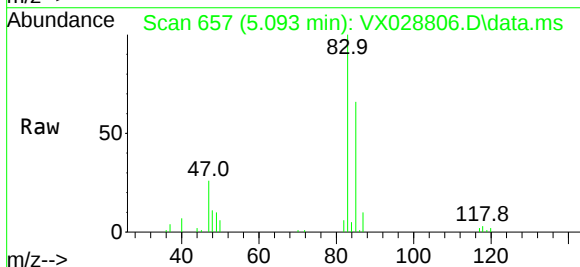
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-5/16/22

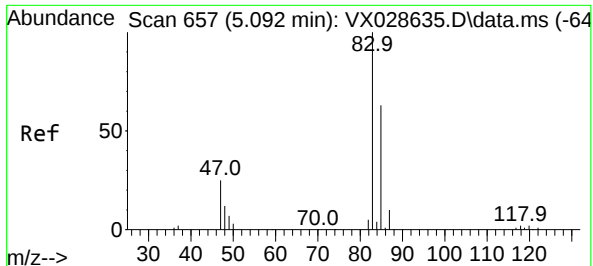
Tgt Ion: 43 Resp: 8221
Ion Ratio Lower Upper
43 100
72 23.3 24.4 36.6#



#28
Bromochloromethane
Concen: 0.664 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.196 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Tgt Ion: 49 Resp: 1749
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 70.7 106.1#





#30

Chloroform

Concen: 3.240 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.007 min

Lab File: VX028806.D

Acq: 18 May 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

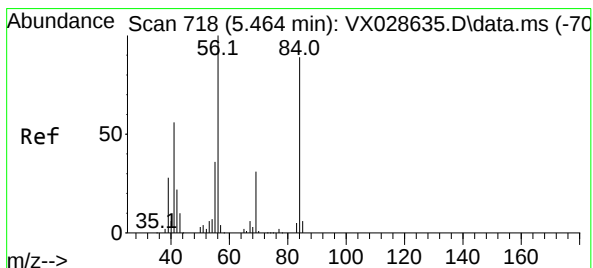
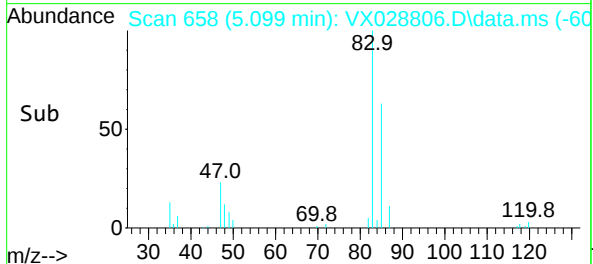
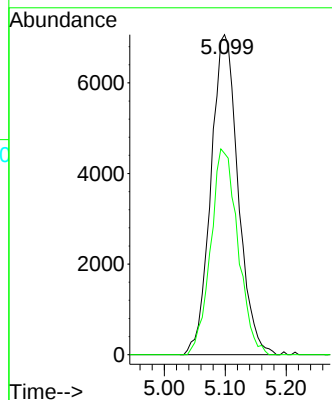
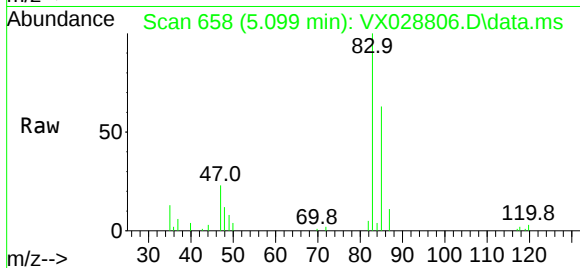
WASTE-WATER-5/16/22

Tgt Ion: 83 Resp: 21952

Ion Ratio Lower Upper

83 100

85 62.9 52.7 79.1



#31

Cyclohexane

Concen: 1.216 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.086 min

Lab File: VX028806.D

Acq: 18 May 2022 15:19

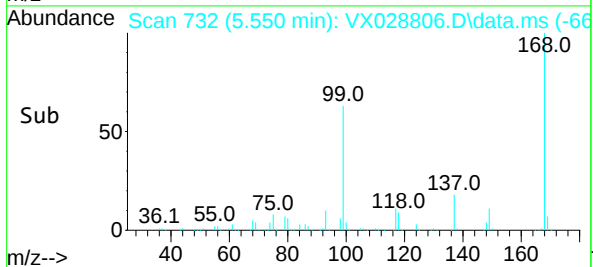
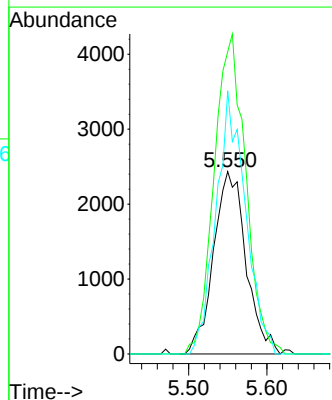
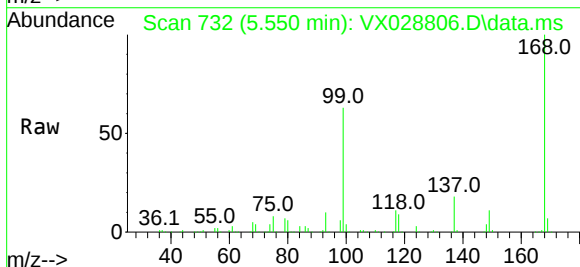
Tgt Ion: 56 Resp: 7024

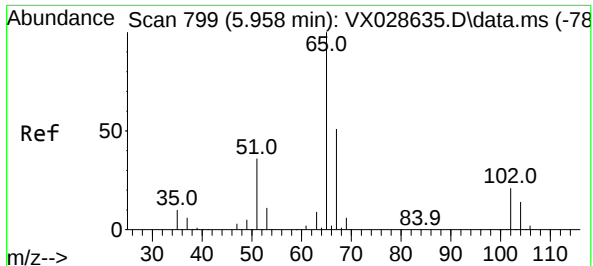
Ion Ratio Lower Upper

56 100

69 165.7 26.7 40.1#

84 144.2 77.2 115.8#

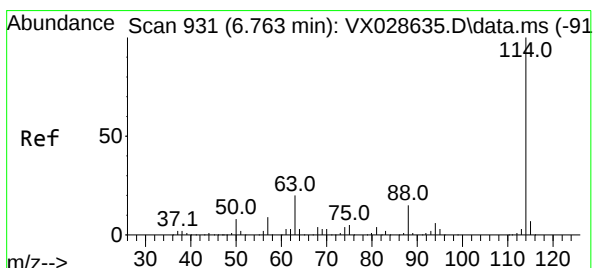
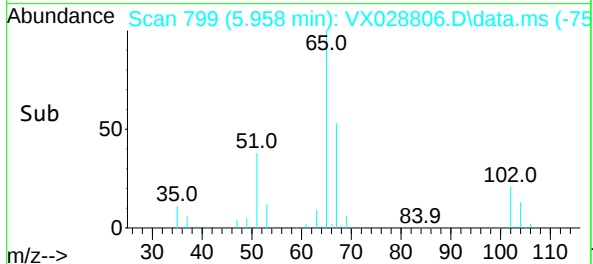
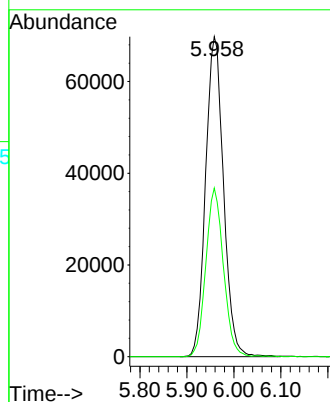
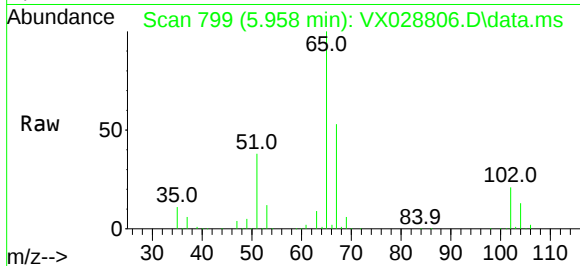




#33
1,2-Dichloroethane-d4
Concen: 44.320 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

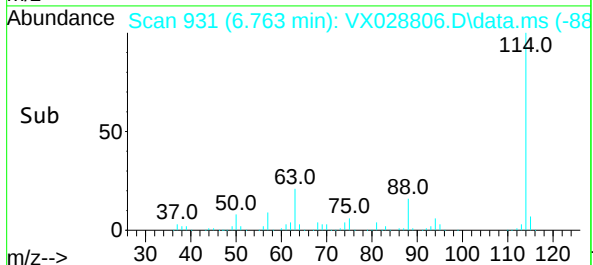
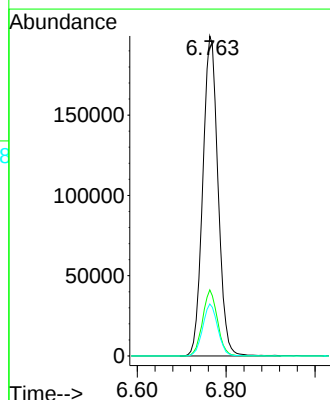
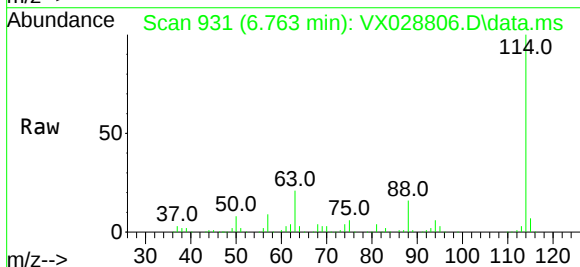
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WASTE-WATER-5/16/22

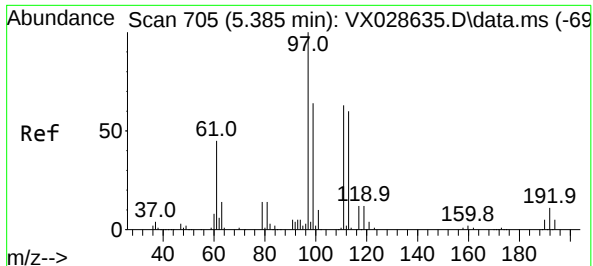
Tgt Ion: 65 Resp: 184430
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Tgt Ion: 114 Resp: 475406
Ion Ratio Lower Upper
114 100
63 20.6 0.0 36.8
88 16.2 0.0 32.4

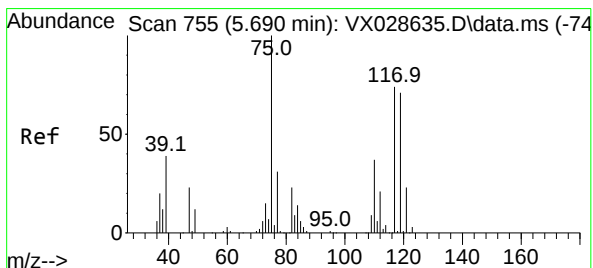
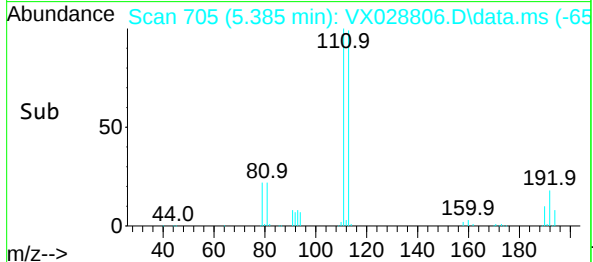
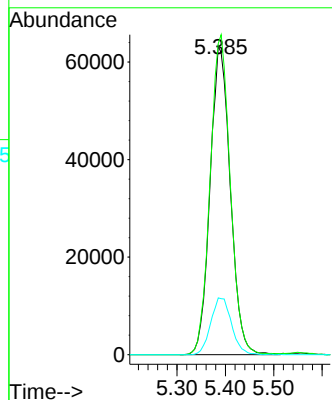
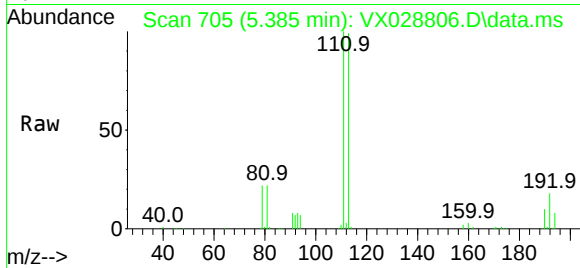




#35
Dibromofluoromethane
Concen: 59.054 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

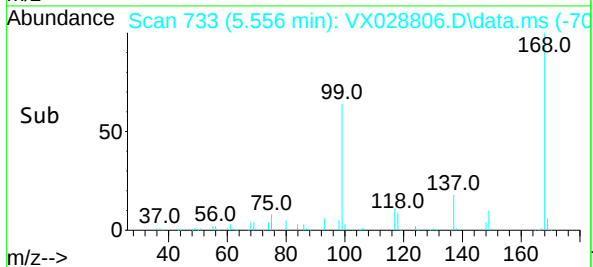
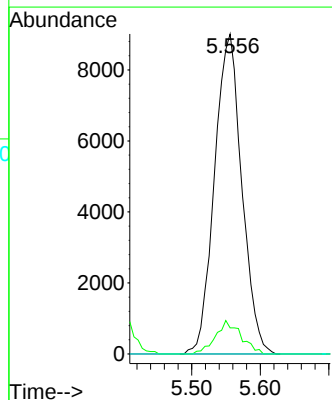
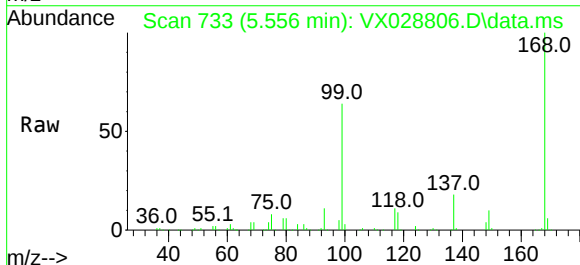
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-5/16/22

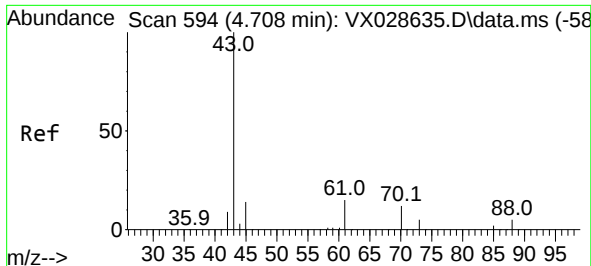
Tgt Ion:113 Resp: 183940
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.322 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Tgt Ion: 75 Resp: 24899
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.682 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX028806.D

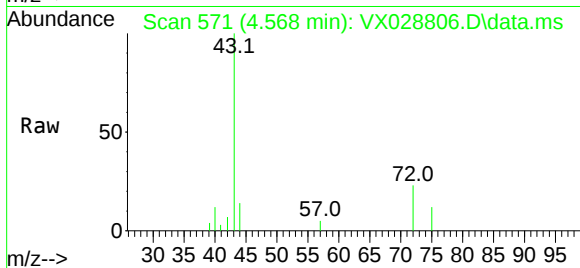
Acq: 18 May 2022 15:19

Instrument :

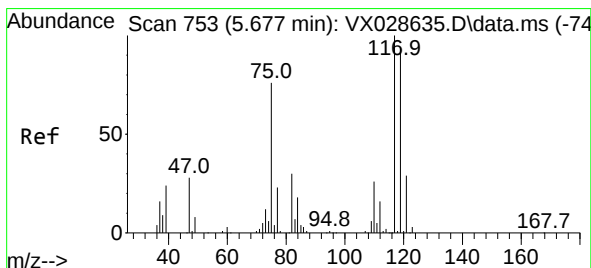
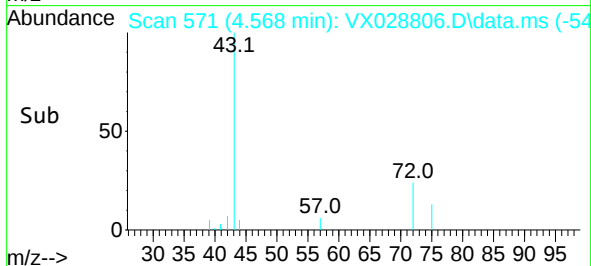
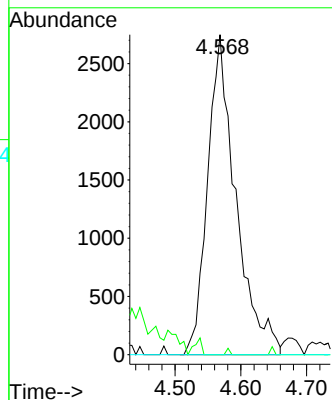
MSVOA_X

ClientSampleId :

WASTE-WATER-5/16/22



Tgt Ion:	43	Resp:	8221
Ion	Ratio	Lower	Upper
43	100		
61	0.2	12.6	19.0#
70	0.0	10.2	15.2#



#38

Carbon Tetrachloride

Concen: 6.869 ug/l

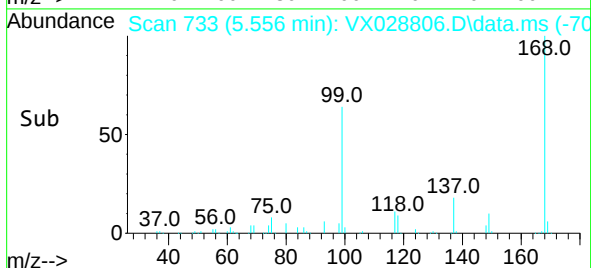
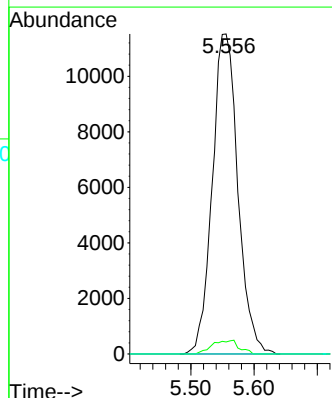
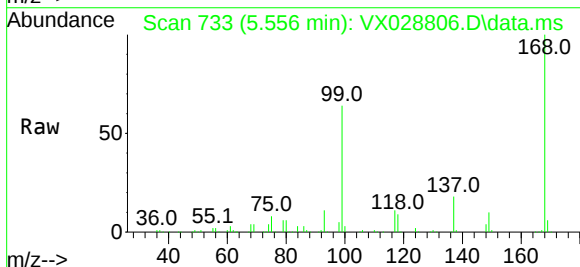
RT: 5.556 min Scan# 733

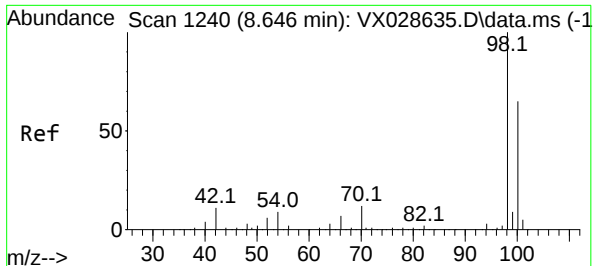
Delta R.T. -0.121 min

Lab File: VX028806.D

Acq: 18 May 2022 15:19

Tgt Ion:	117	Resp:	32339
Ion	Ratio	Lower	Upper
117	100		
119	3.8	77.3	115.9#
121	0.0	24.2	36.2#

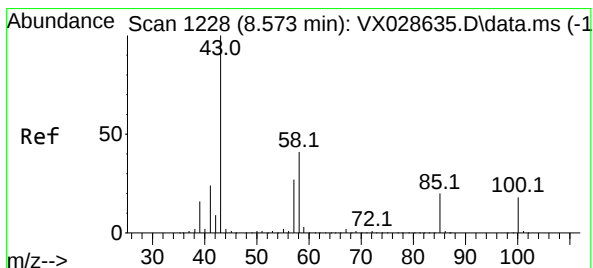
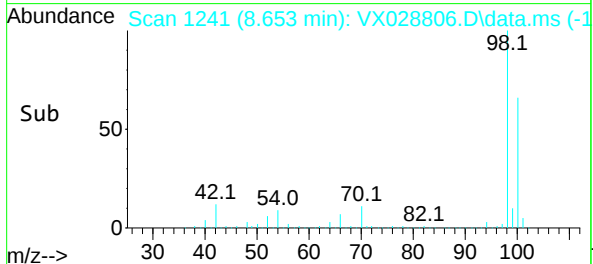
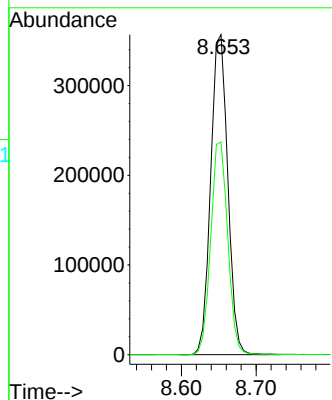
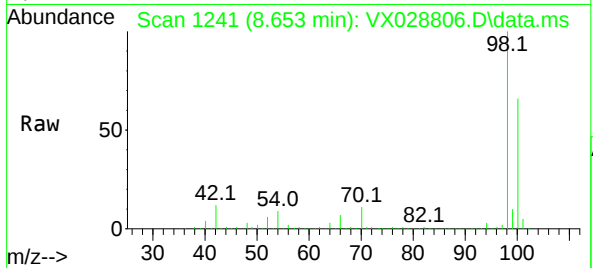




#50
Toluene-d8
Concen: 48.232 ug/l
RT: 8.653 min Scan# 1240
Delta R.T. 0.007 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

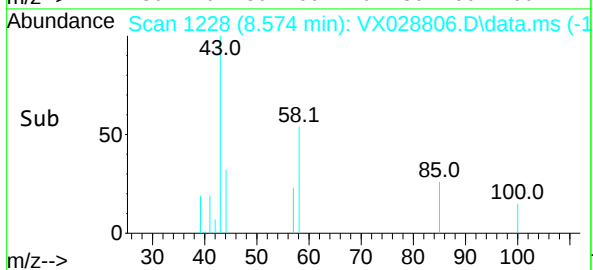
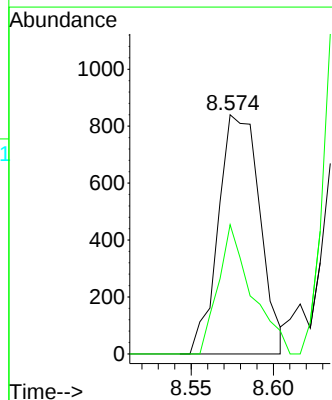
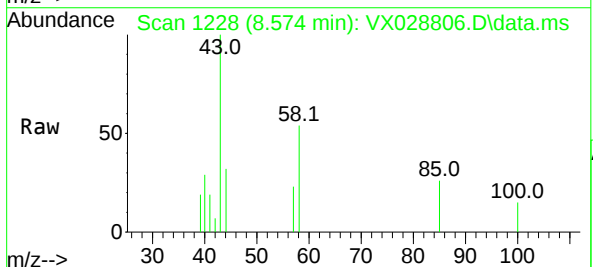
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-5/16/22

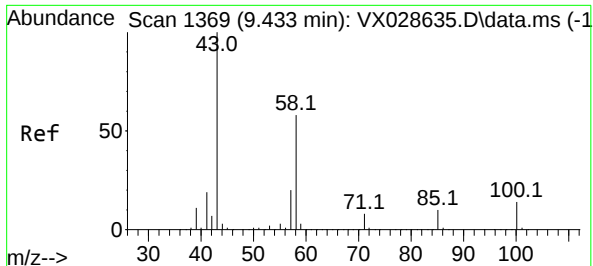
Tgt Ion: 98 Resp: 566407
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
58 43.8 36.1 54.1





#59

2-Hexanone

Concen: 0.608 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028806.D

Acq: 18 May 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

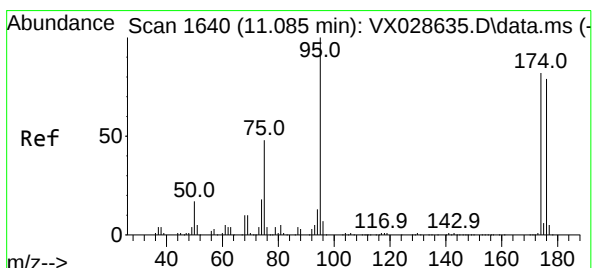
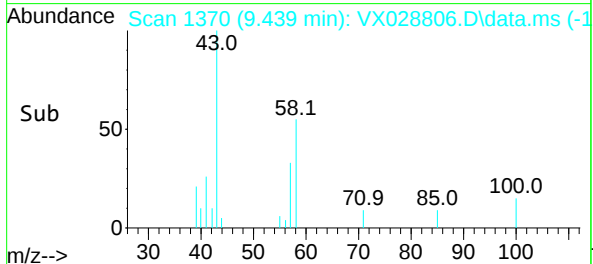
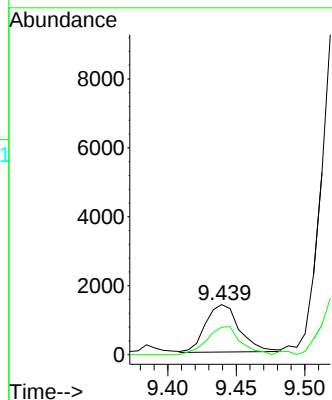
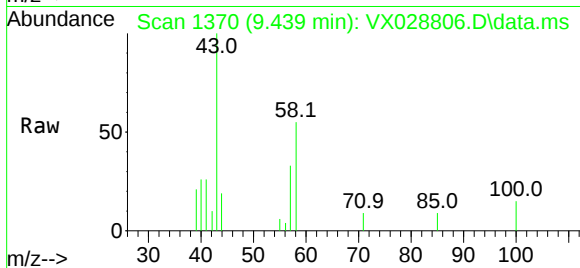
WASTE-WATER-5/16/22

Tgt Ion: 43 Resp: 2377

Ion Ratio Lower Upper

43 100

58 57.8 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 48.750 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028806.D

Acq: 18 May 2022 15:19

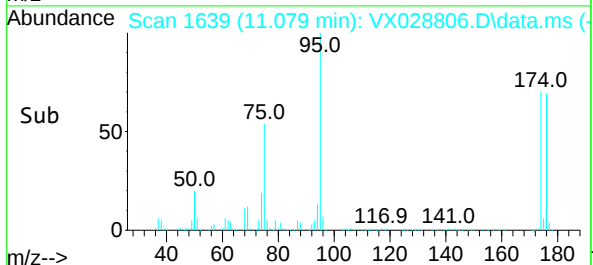
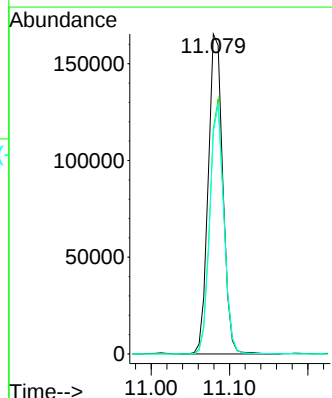
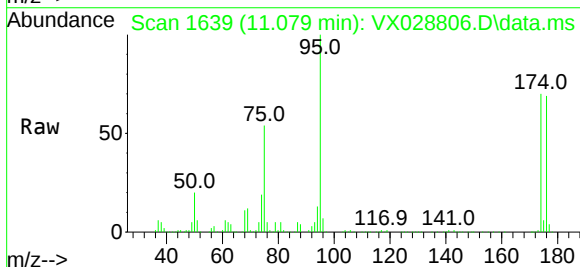
Tgt Ion: 95 Resp: 213830

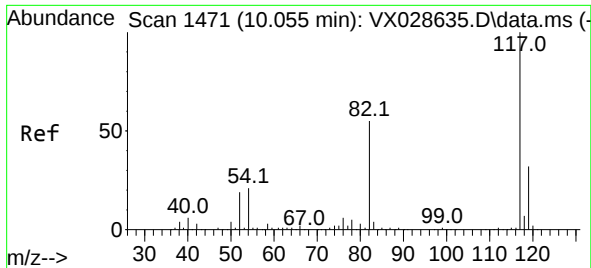
Ion Ratio Lower Upper

95 100

174 76.7 0.0 163.0

176 74.8 0.0 155.0

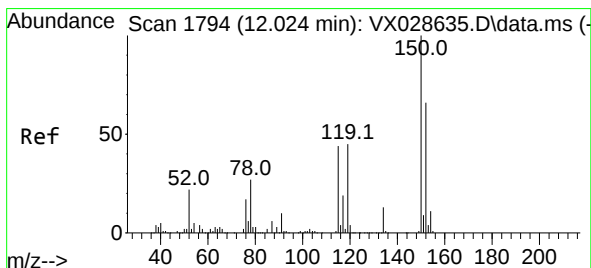
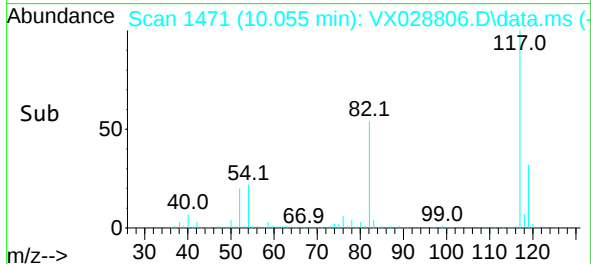
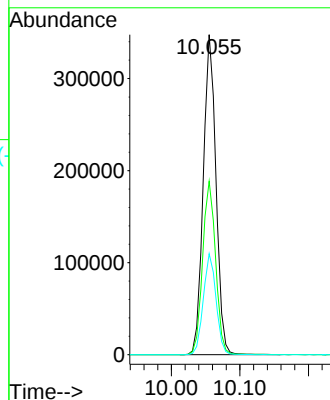
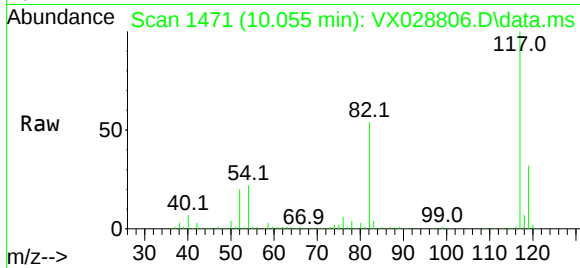




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

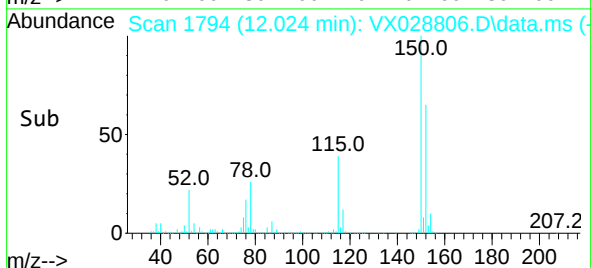
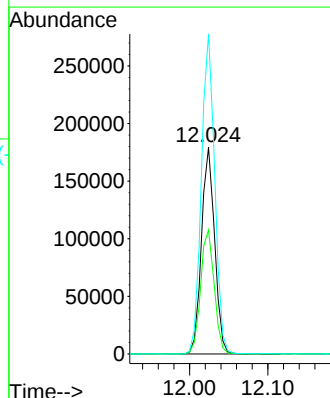
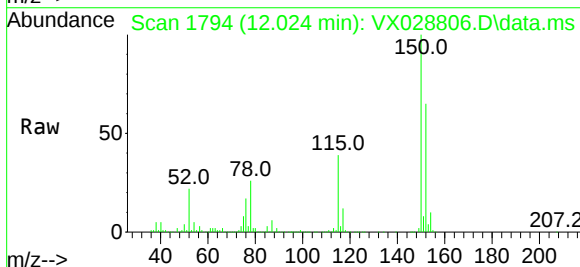
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-5/16/22

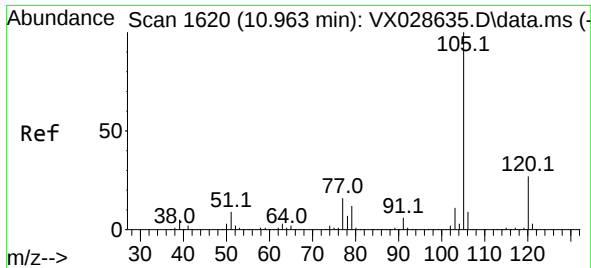
Tgt Ion:117 Resp: 449986
Ion Ratio Lower Upper
117 100
82 54.2 41.8 62.8
119 31.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Tgt Ion:152 Resp: 210046
Ion Ratio Lower Upper
152 100
115 61.8 37.5 112.7
150 156.4 0.0 338.2

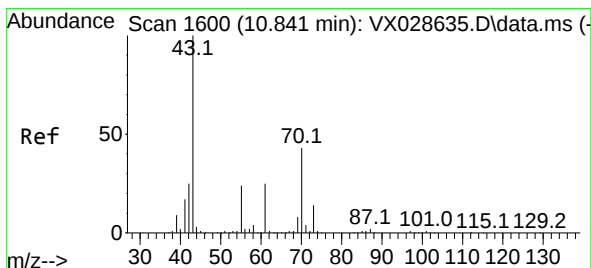
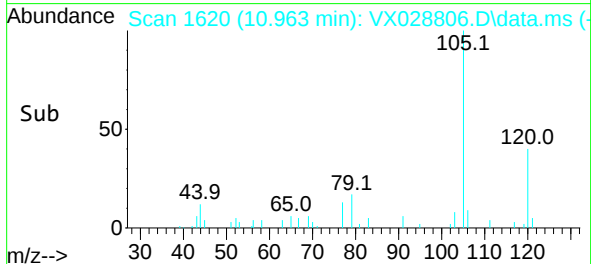
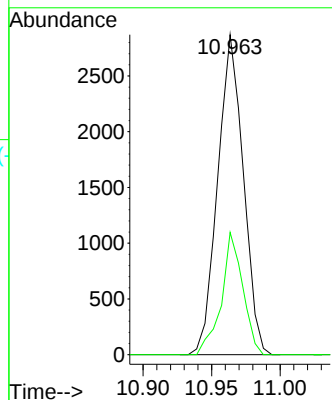
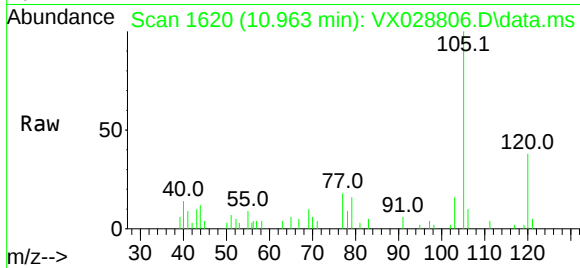




#73
Isopropylbenzene
Concen: 0.234 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

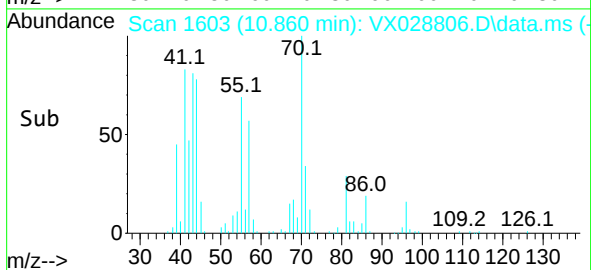
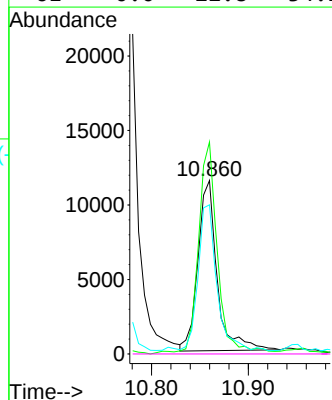
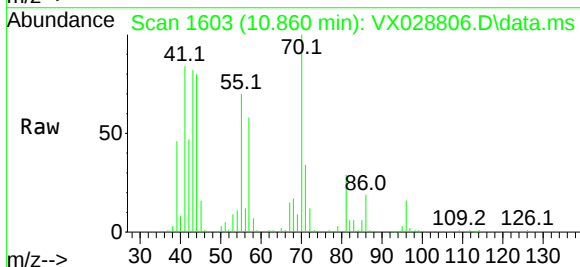
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-5/16/22

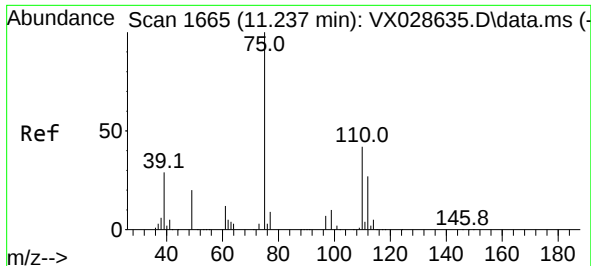
Tgt Ion:105 Resp: 3726
Ion Ratio Lower Upper
105 100
120 31.9 13.5 40.5



#74
N-ethyl acetate
Concen: 2.522 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.019 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Tgt Ion: 43 Resp: 15794
Ion Ratio Lower Upper
43 100
70 123.5 42.5 63.7#
55 87.2 23.1 34.7#
61 0.0 22.8 34.2#

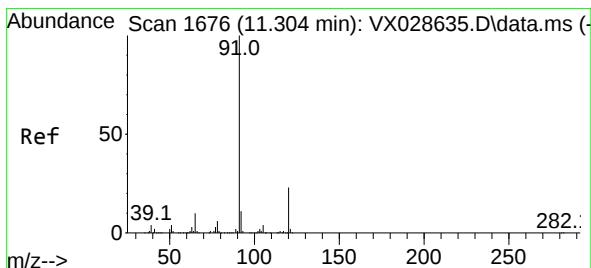
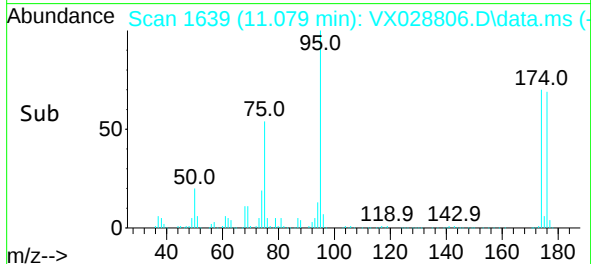
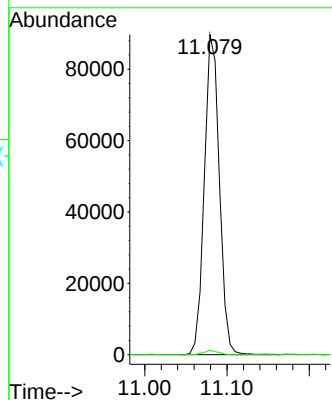
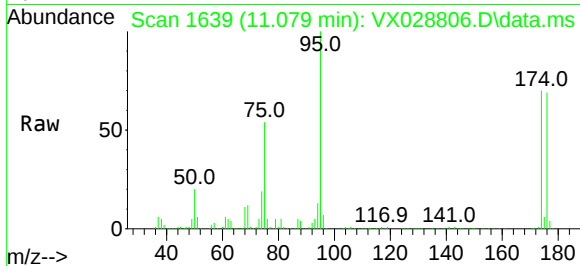




#76
1,2,3-Trichloropropane
Concen: 23.130 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

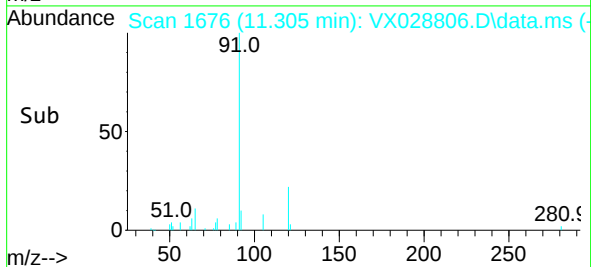
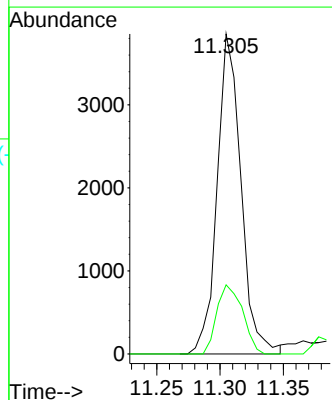
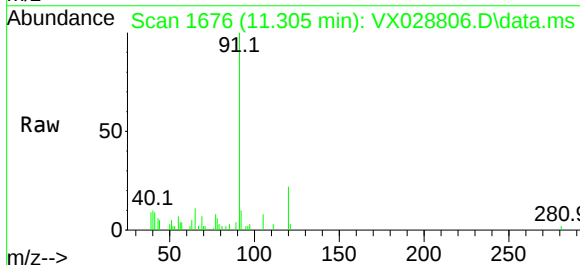
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-5/16/22

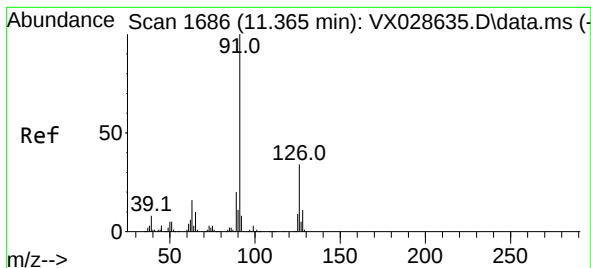
Tgt Ion: 75 Resp: 113778
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#78
n-propylbenzene
Concen: 0.274 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Tgt Ion: 91 Resp: 5044
Ion Ratio Lower Upper
91 100
120 23.3 11.6 34.8





#79

2-Chlorotoluene

Concen: 0.447 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.060 min

Lab File: VX028806.D

Acq: 18 May 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

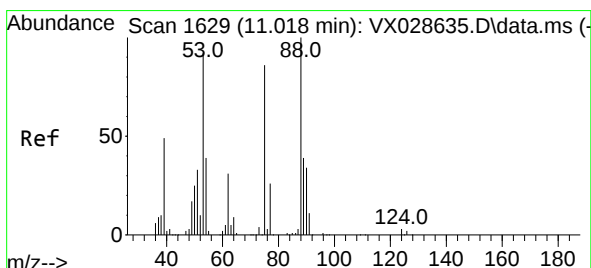
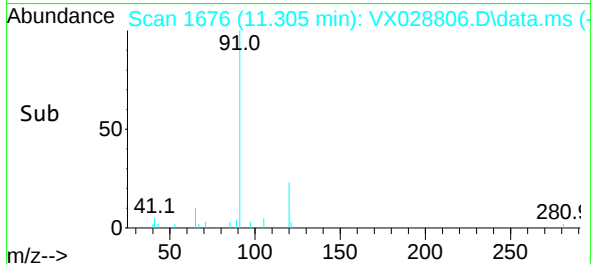
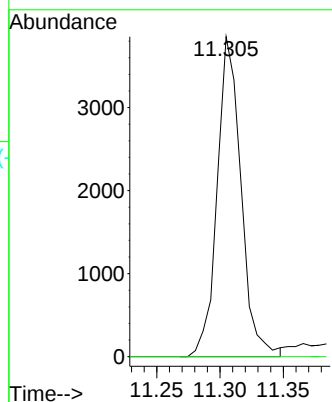
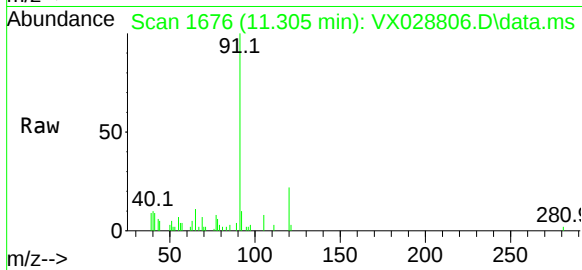
WASTE-WATER-5/16/22

Tgt Ion: 91 Resp: 5044

Ion Ratio Lower Upper

91 100

126 0.0 17.3 51.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.531 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028806.D

Acq: 18 May 2022 15:19

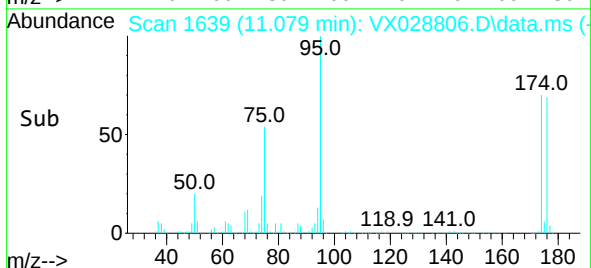
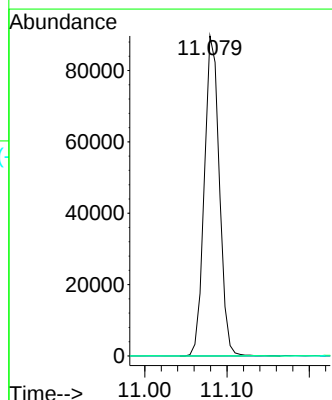
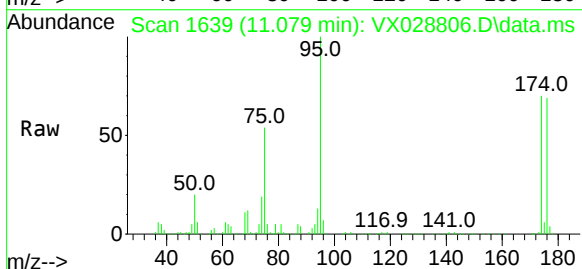
Tgt Ion: 75 Resp: 113778

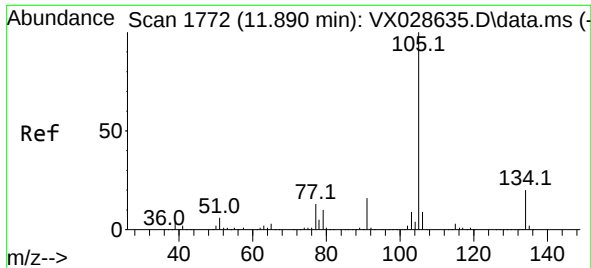
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

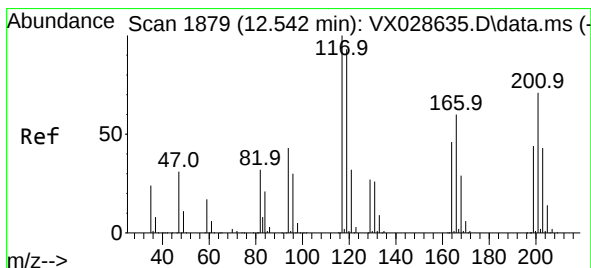
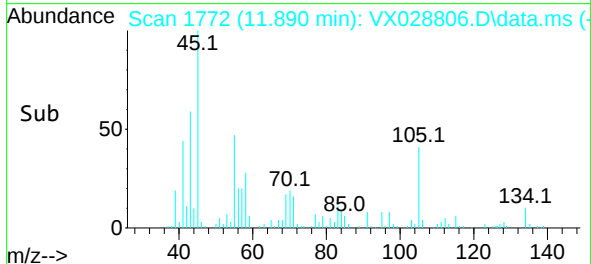
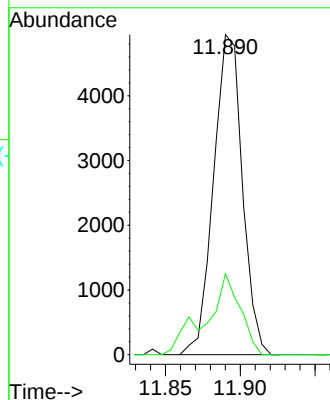
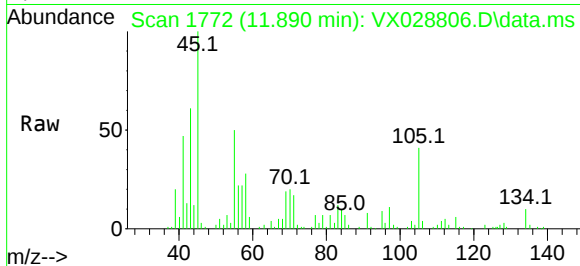




#85
 sec-Butylbenzene
 Concen: 0.417 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028806.D
 Acq: 18 May 2022 15:19

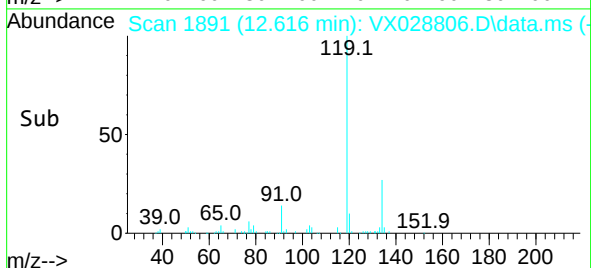
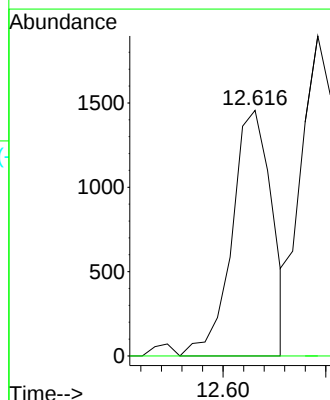
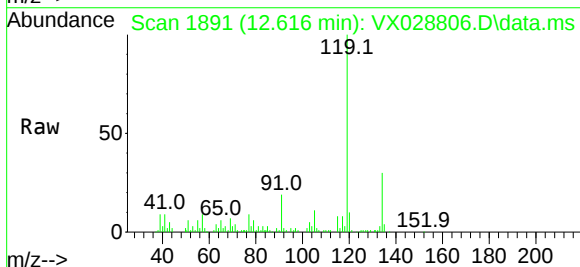
Instrument :
 MSVOA_X
 ClientSampleId :
 WASTE-WATER-5/16/22

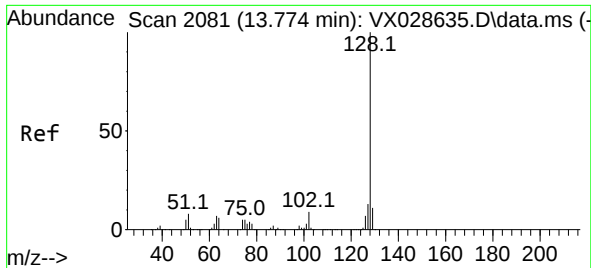
Tgt Ion:105 Resp: 6617
 Ion Ratio Lower Upper
 105 100
 134 30.4 10.2 30.4



#90
 Hexachloroethane
 Concen: 0.920 ug/l
 RT: 12.616 min Scan# 1891
 Delta R.T. 0.074 min
 Lab File: VX028806.D
 Acq: 18 May 2022 15:19

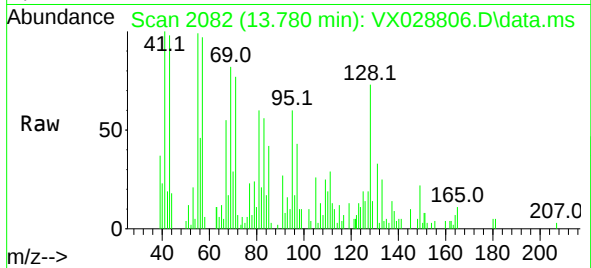
Tgt Ion:117 Resp: 1978
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#





#95
Naphthalene
Concen: 0.241 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028806.D
Acq: 18 May 2022 15:19

Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER-5/16/22



Tgt Ion:128 Resp: 3594
Ion Ratio Lower Upper
128 100
127 26.2 10.2 15.4#
129 0.0 8.7 13.1#

