

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022119.D
 Acq On : 21 May 2021 16:39
 Operator : JC/MD
 Sample : M2481-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WASTE-WATER

Quant Time: May 22 04:56:26 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)

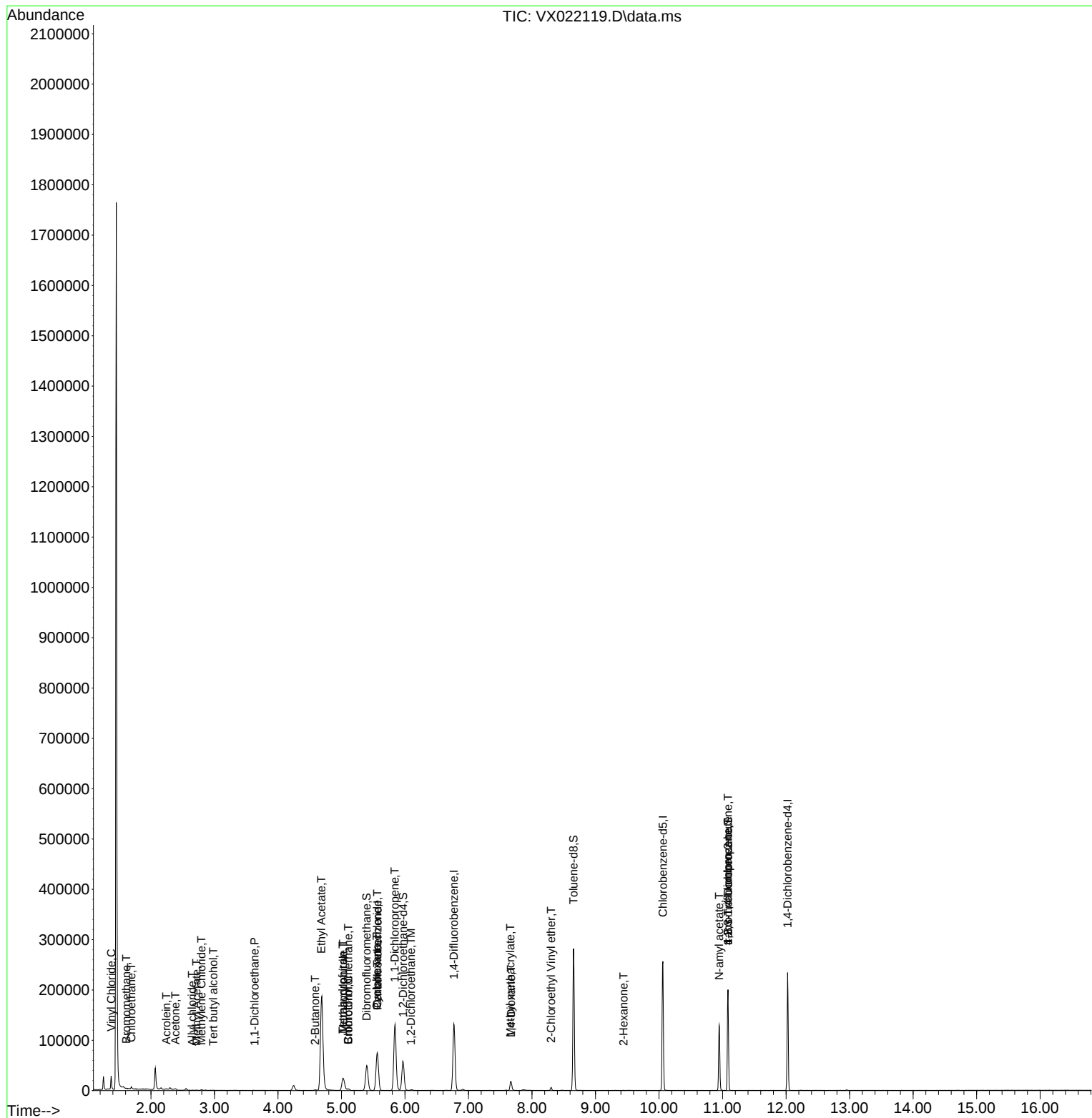
Internal Standards						
1) Pentafluorobenzene	5.568	168	65881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	134750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	113853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41717	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	52899	52.05	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.10%
35) Dibromofluoromethane	5.397	113	41652	48.74	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.48%
50) Toluene-d8	8.653	98	160830	48.86	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.72%
62) 4-Bromofluorobenzene	11.085	95	54499	44.79	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.58%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	14293	15.63	ug/l	99
5) Bromomethane	1.612	94	161	0.30	ug/l #	80
6) Chloroethane	1.691	64	2030	3.73	ug/l	99
11) Tert butyl alcohol	2.983	59	511	2.20	ug/l #	73
13) Acrolein	2.239	56	1197	7.76	ug/l #	78
14) Allyl chloride	2.648	41	725	0.52	ug/l #	46
16) Acetone	2.386	43	2989	6.75	ug/l	94
18) Methyl Acetate	2.715	43	987	0.84	ug/l #	80
20) Methylene Chloride	2.794	84	789	0.80	ug/l #	88
24) 1,1-Dichloroethane	3.629	63	380	0.24	ug/l #	81
25) 2-Butanone	4.587	43	2306	3.22	ug/l #	77
28) Bromochloromethane	5.105	49	260	0.34	ug/l #	9
29) Tetrahydrofuran	5.019	42	23755	55.75	ug/l	90
30) Chloroform	5.105	83	3021	1.87	ug/l	98
31) Cyclohexane	5.556	56	1133	0.89	ug/l #	17
36) 1,1-Dichloropropene	5.836	75	615	0.49	ug/l #	41
37) Ethyl Acetate	4.684	43	47822	31.31	ug/l #	64
38) Carbon Tetrachloride	5.562	117	6925	5.68	ug/l #	18
41) Methacrylonitrile	5.026	41	13265	16.23	ug/l #	42
42) 1,2-Dichloroethane	6.092	62	707	0.53	ug/l	98
48) Methyl methacrylate	7.659	41	392	0.34	ug/l #	37
49) 1,4-Dioxane	7.671	88	14560	649.49	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.299	63	1364	1.58	ug/l #	45
59) 2-Hexanone	9.439	43	301	0.27	ug/l	94
74) N-amyl acetate	10.945	43	11087	6.62	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	28590	27.78	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	28590	65.82	ug/l #	12

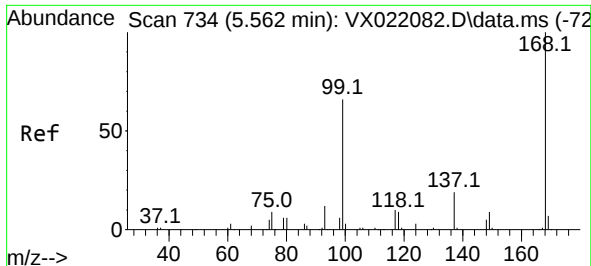
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 22 04:56:26 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

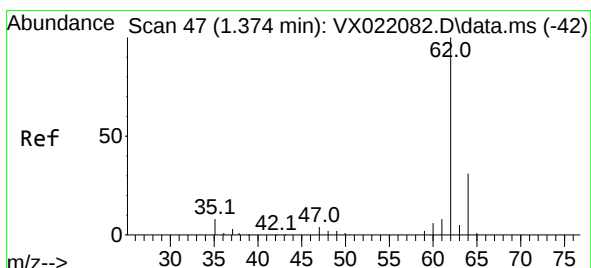
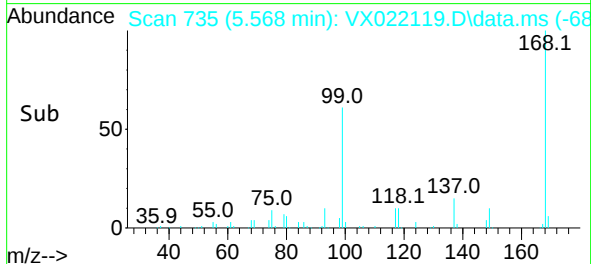
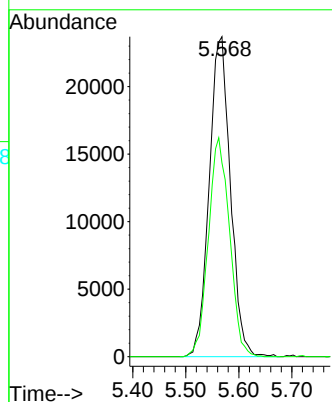
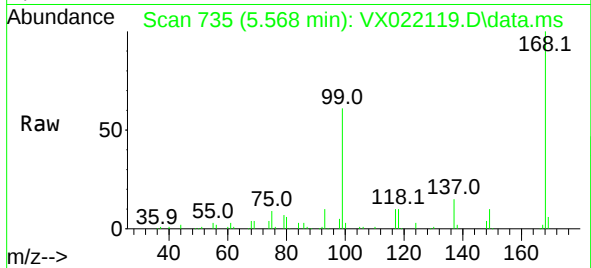




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

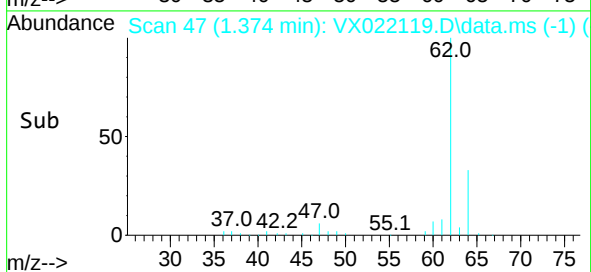
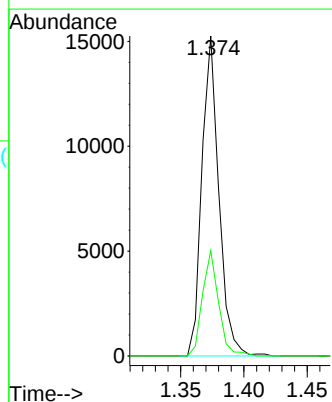
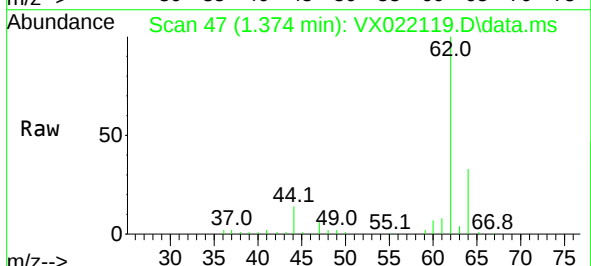
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

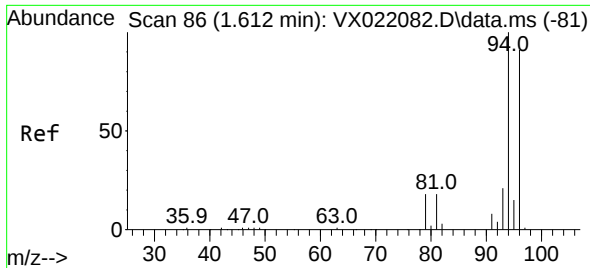
Tgt Ion:168 Resp: 65881
Ion Ratio Lower Upper
168 100
99 60.6 45.8 68.6



#4
Vinyl Chloride
Concen: 15.63 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion: 62 Resp: 14293
Ion Ratio Lower Upper
62 100
64 32.9 25.7 38.5

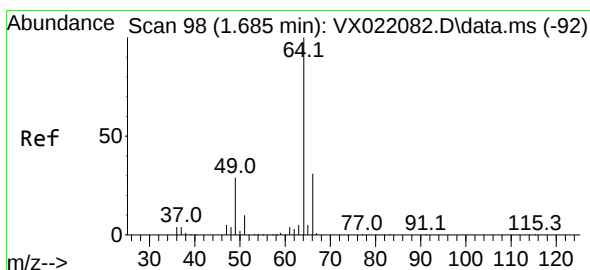
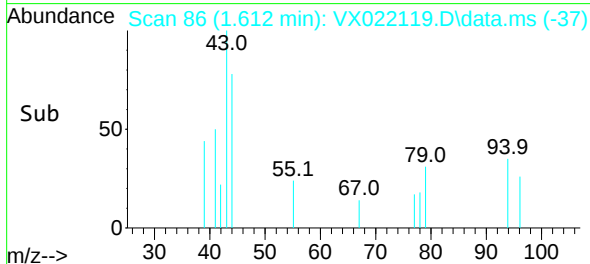
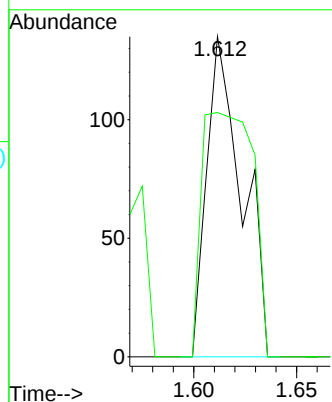
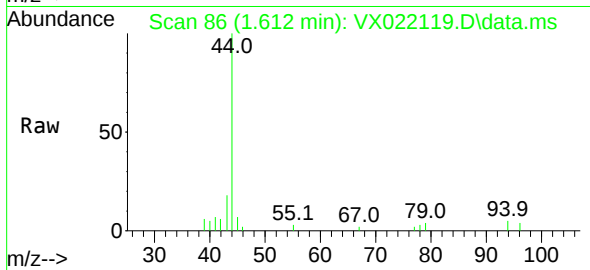




#5
Bromomethane
Concen: 0.30 ug/l
RT: 1.612 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

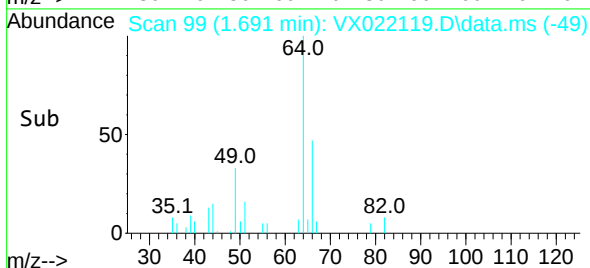
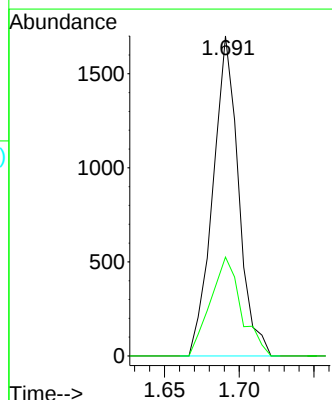
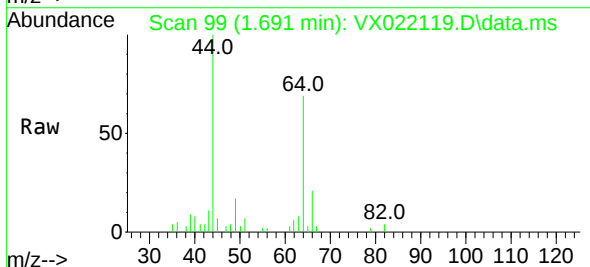
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

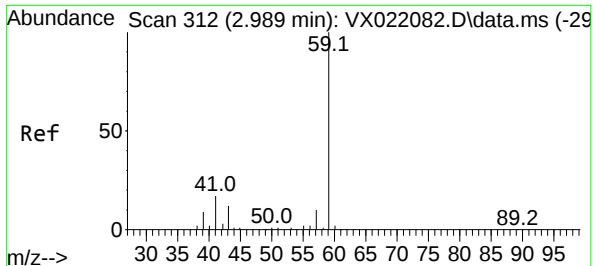
Tgt Ion: 94 Resp: 161
Ion Ratio Lower Upper
94 100
96 76.3 76.4 114.6#



#6
Chloroethane
Concen: 3.73 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion: 64 Resp: 2030
Ion Ratio Lower Upper
64 100
66 30.9 25.4 38.0



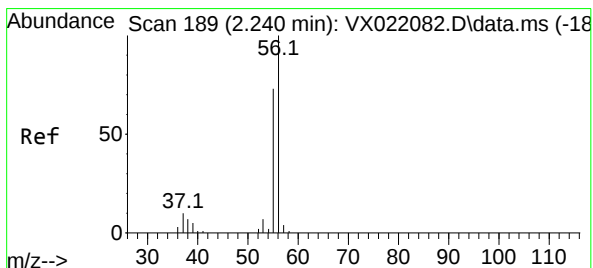
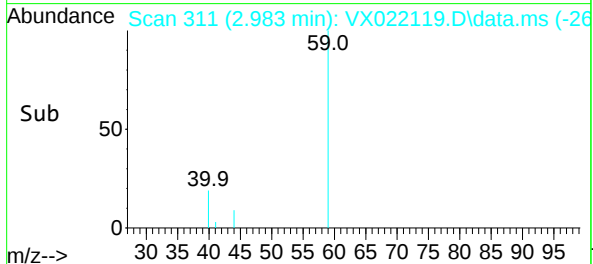
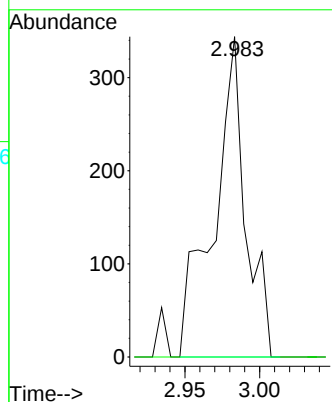
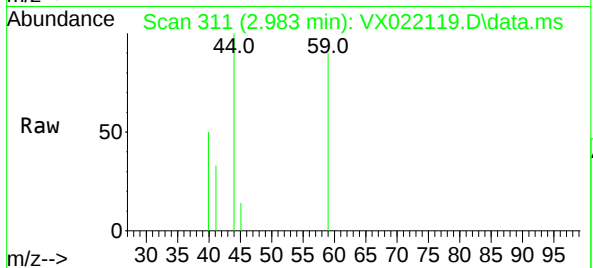


#11

Tert butyl alcohol
Concen: 2.20 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

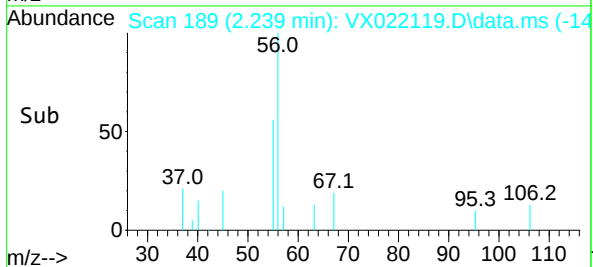
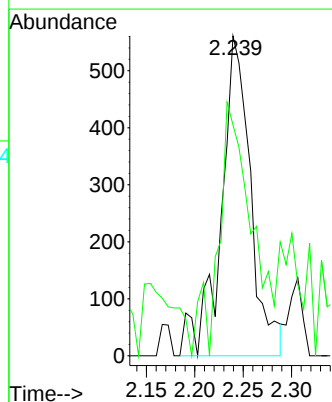
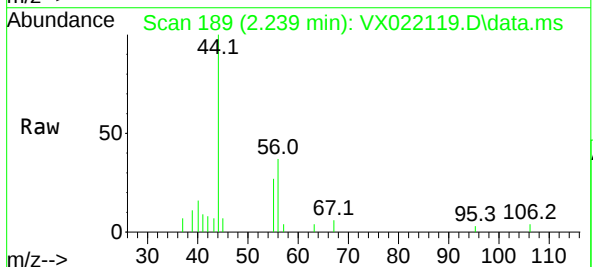
Tgt Ion: 59 Resp: 511
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

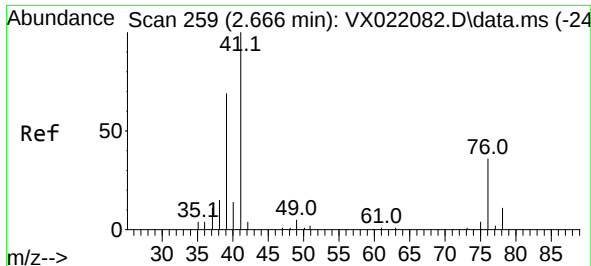


#13

Acrolein
Concen: 7.76 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.001 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion: 56 Resp: 1197
Ion Ratio Lower Upper
56 100
55 88.9 56.4 84.6#

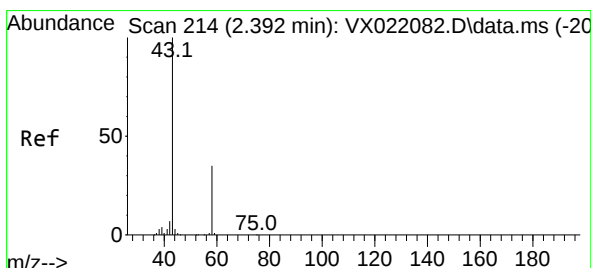
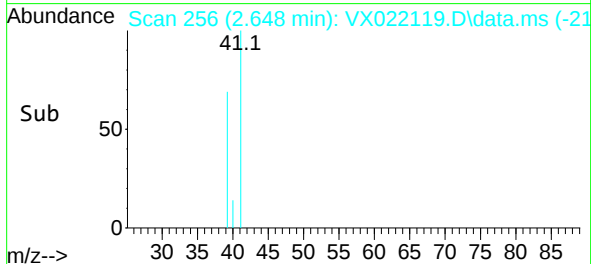
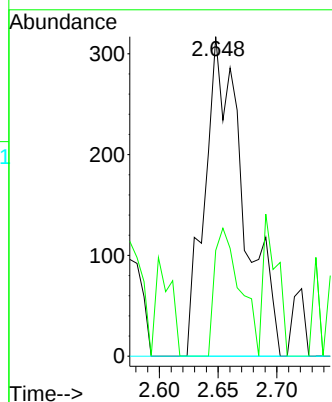
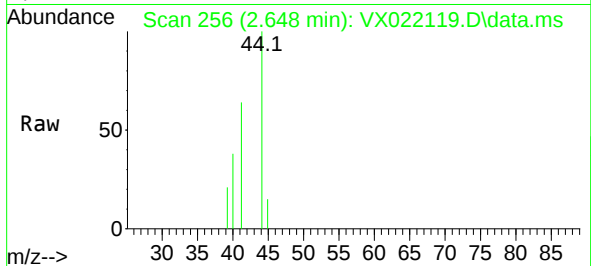




#14
 Allyl chloride
 Concen: 0.52 ug/l
 RT: 2.648 min Scan# 256
 Delta R.T. -0.018 min
 Lab File: VX022119.D
 Acq: 21 May 2021 16:39

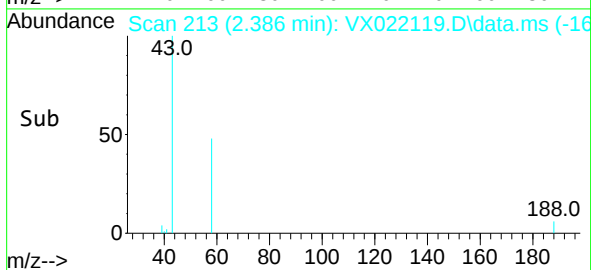
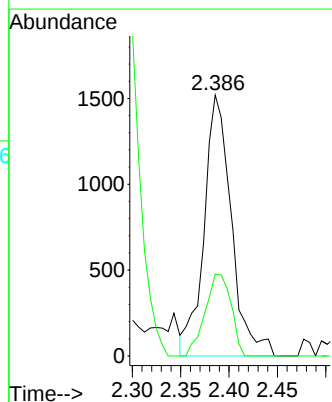
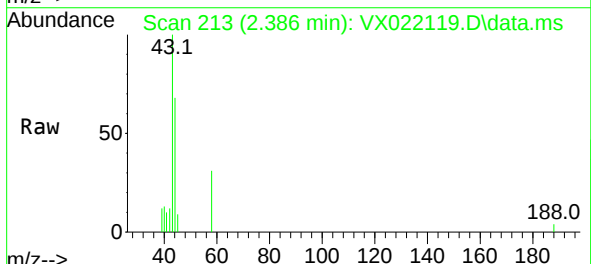
Instrument :
 MSVOA_X
 ClientSampleId :
 WASTE-WATER

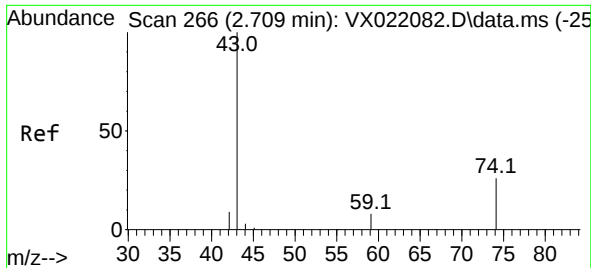
Tgt Ion:	41	Resp:	725
Ion	Ratio	Lower	Upper
41	100		
39	26.5	51.6	77.4#
76	0.0	30.5	45.7#



#16
 Acetone
 Concen: 6.75 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX022119.D
 Acq: 21 May 2021 16:39

Tgt Ion:	43	Resp:	2989
Ion	Ratio	Lower	Upper
43	100		
58	31.4	27.8	41.8

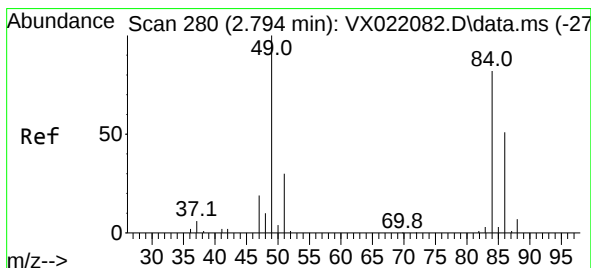
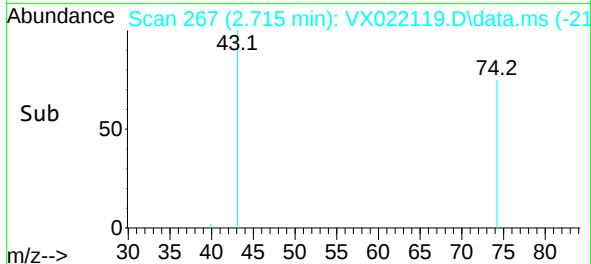
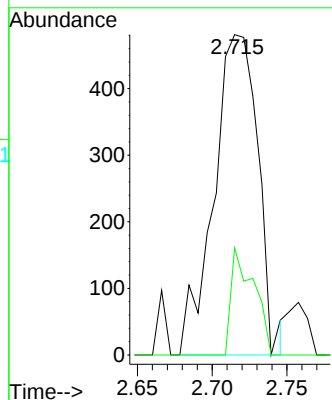
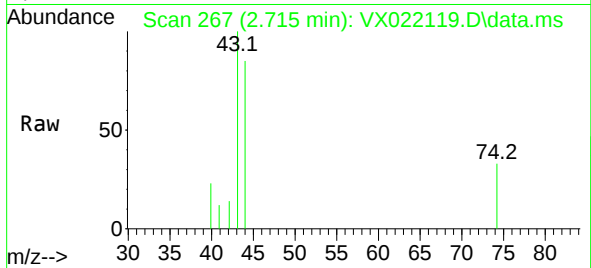




#18
Methyl Acetate
Concen: 0.84 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

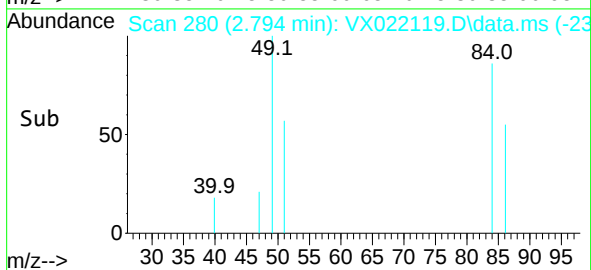
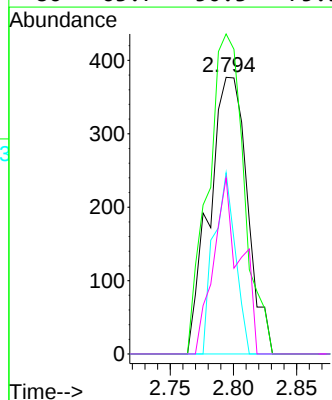
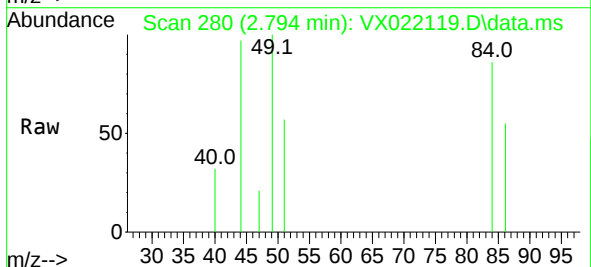
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

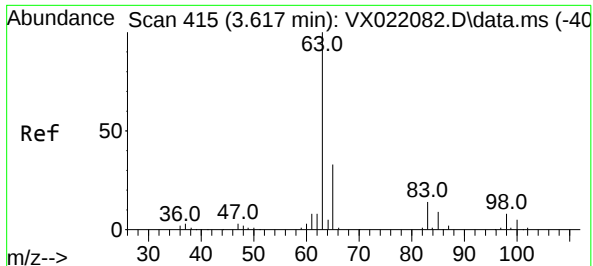
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
74 17.2 21.9 32.9#



#20
Methylene Chloride
Concen: 0.80 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion: 84 Resp: 789
Ion Ratio Lower Upper
84 100
49 115.6 88.6 132.8
51 65.5 27.0 40.6#
86 63.7 50.3 75.5

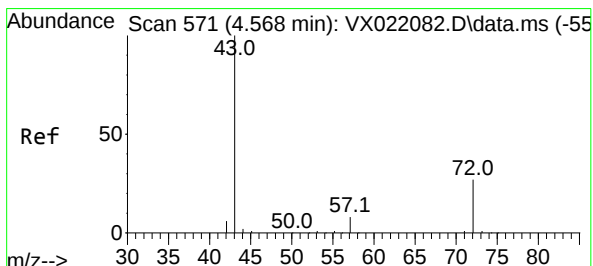
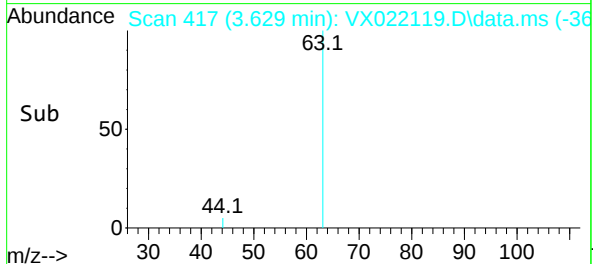
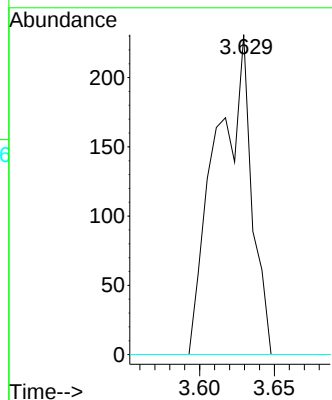
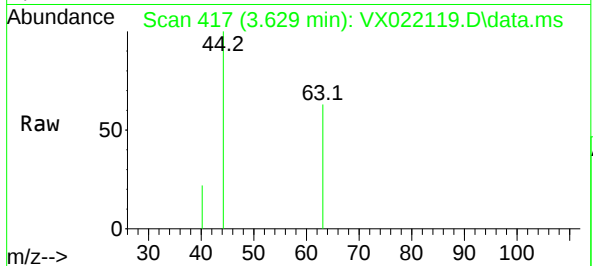




#24
1,1-Dichloroethane
Concen: 0.24 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.012 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

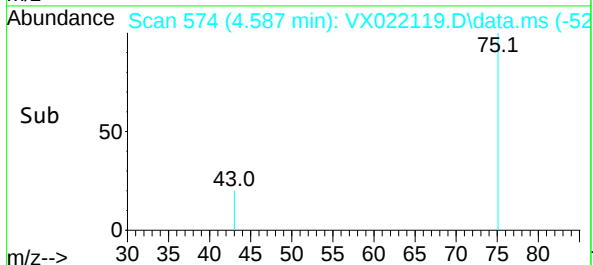
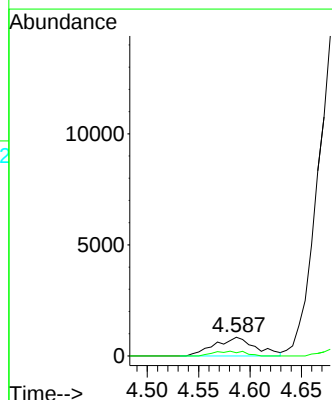
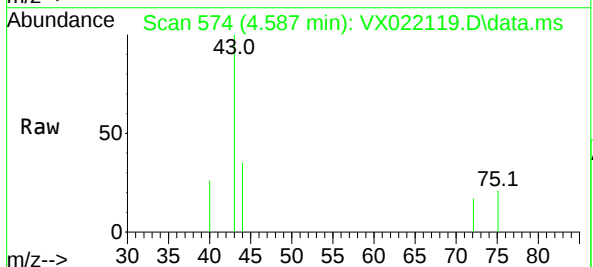
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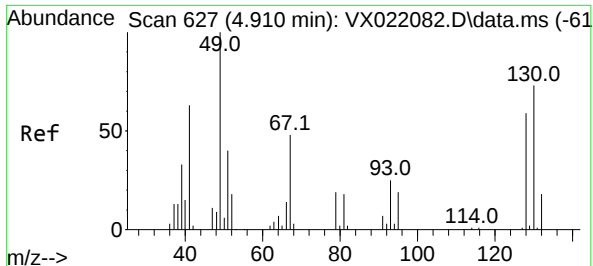
Tgt Ion: 63 Resp: 380
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#25
2-Butanone
Concen: 3.22 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.019 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion: 43 Resp: 2306
Ion Ratio Lower Upper
43 100
72 17.1 23.7 35.5#

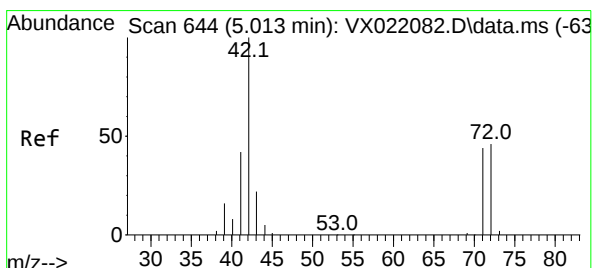
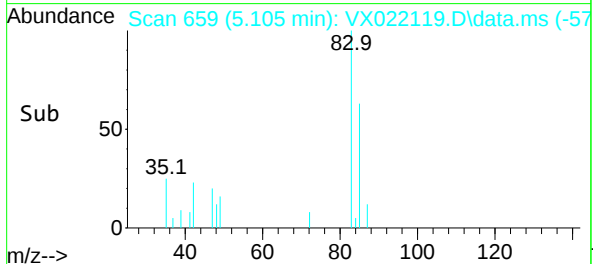
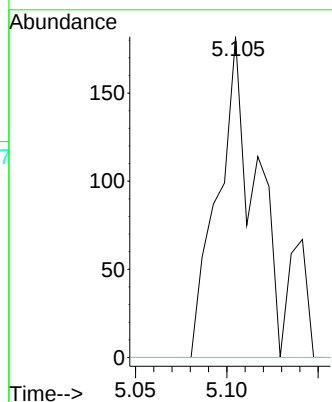
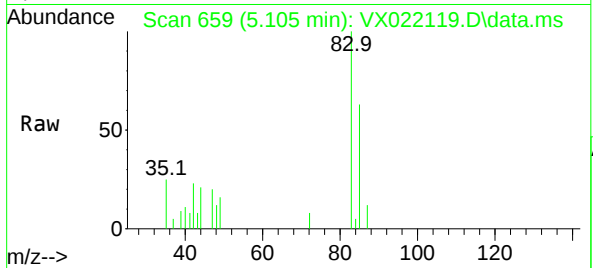




#28
Bromochloromethane
Concen: 0.34 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.195 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

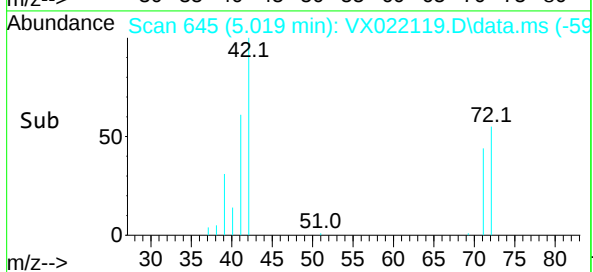
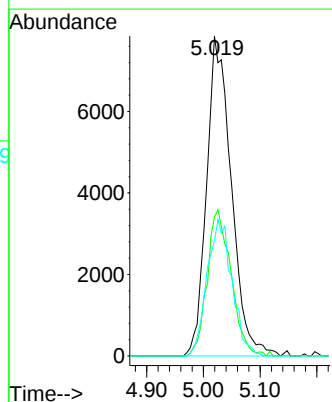
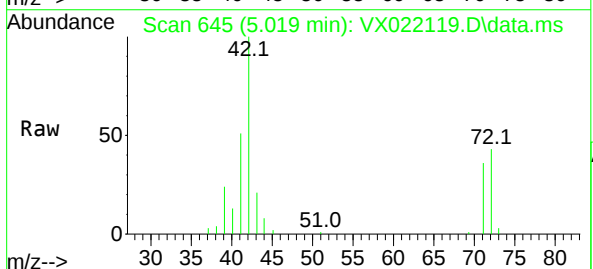
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

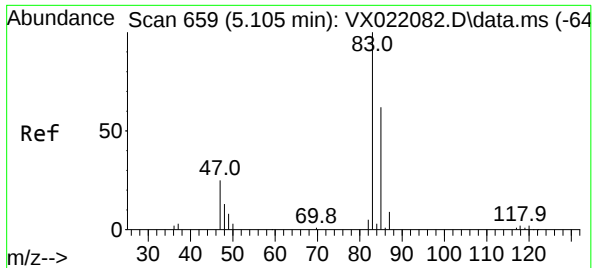
Tgt Ion: 49 Resp: 260
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 68.2 102.2#



#29
Tetrahydrofuran
Concen: 55.75 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion: 42 Resp: 23755
Ion Ratio Lower Upper
42 100
72 44.2 41.7 62.5
71 42.8 38.4 57.6





#30

Chloroform

Concen: 1.87 ug/l

RT: 5.105 min Scan# 659

Delta R.T. -0.000 min

Lab File: VX022119.D

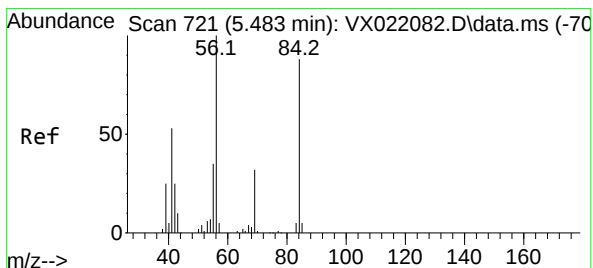
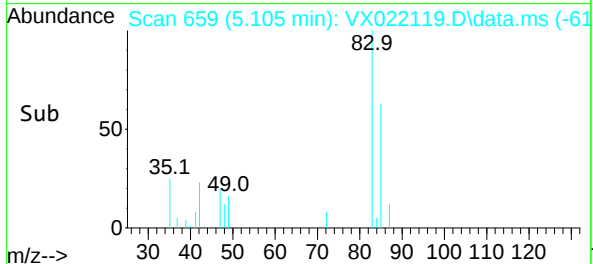
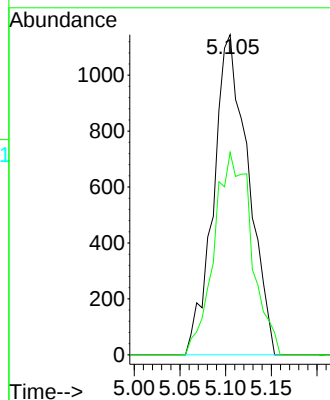
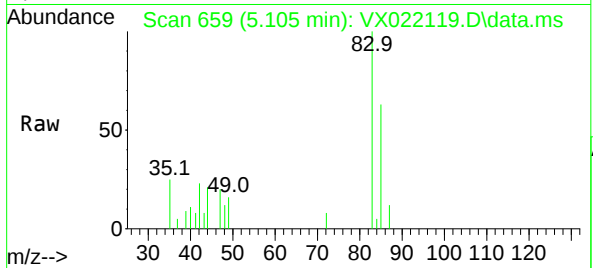
Acq: 21 May 2021 16:39

Tgt Ion: 83 Resp: 3021

Ion Ratio Lower Upper

83 100

85 63.2 52.0 78.0



#31

Cyclohexane

Concen: 0.89 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX022119.D

Acq: 21 May 2021 16:39

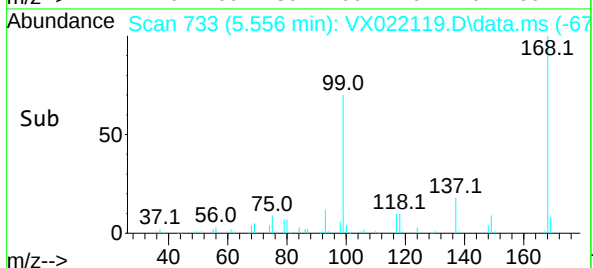
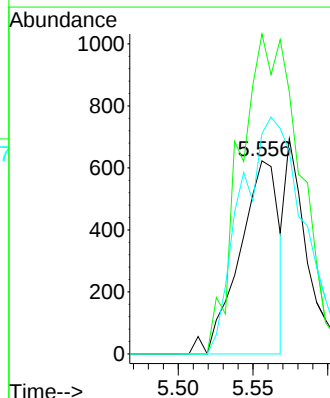
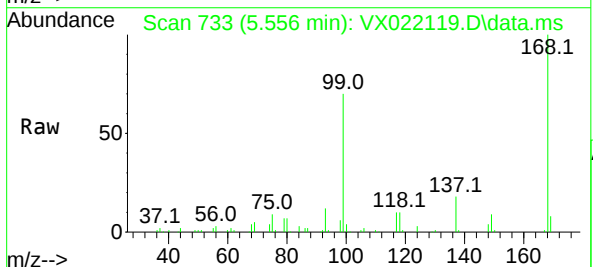
Tgt Ion: 56 Resp: 1133

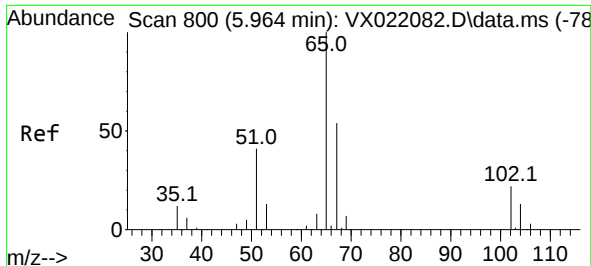
Ion Ratio Lower Upper

56 100

69 165.7 25.3 37.9#

84 114.1 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 52.05 ug/l

RT: 5.971 min Scan# 801

Delta R.T. 0.006 min

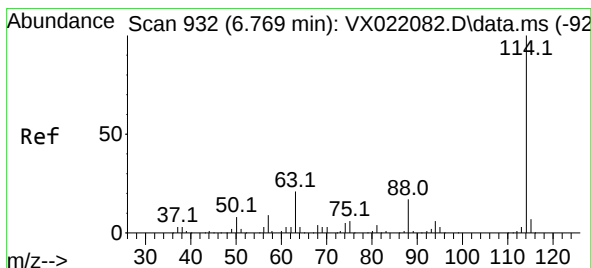
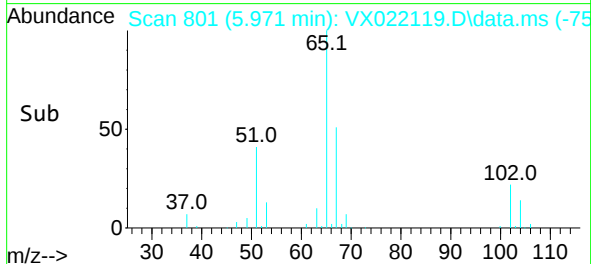
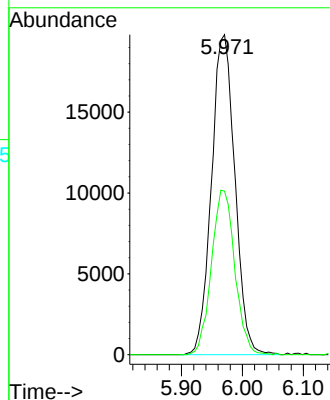
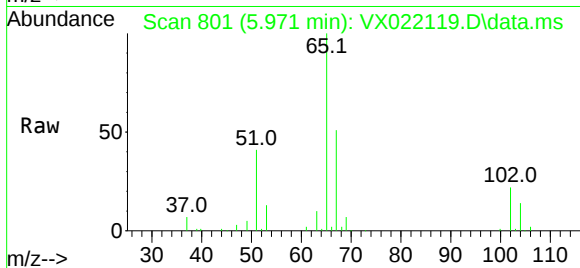
Lab File: VX022119.D

Acq: 21 May 2021 16:39

Tgt Ion: 65 Resp: 52899

Ion Ratio Lower Upper

65	100		
67	51.2	0.0	105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

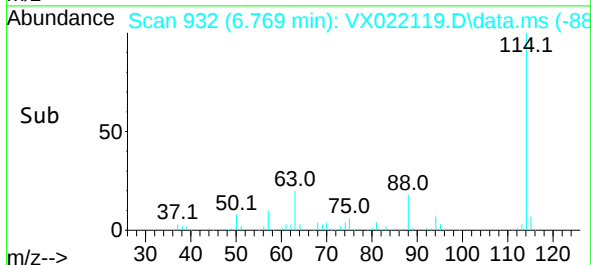
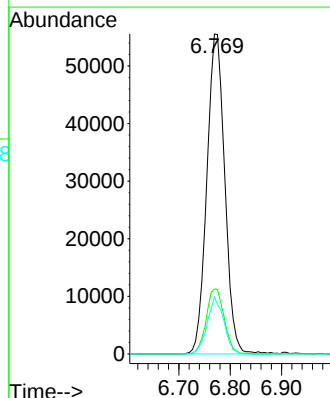
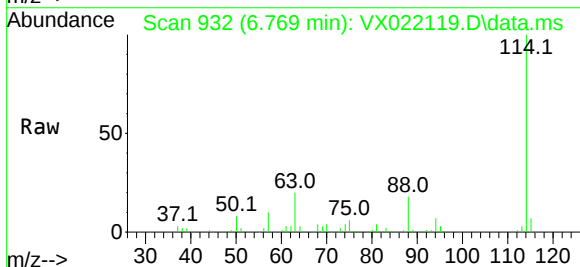
Lab File: VX022119.D

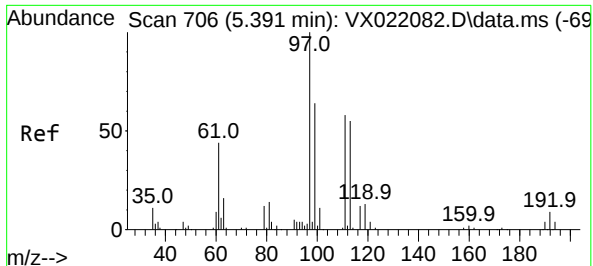
Acq: 21 May 2021 16:39

Tgt Ion: 114 Resp: 134750

Ion Ratio Lower Upper

114	100		
63	20.3	0.0	40.8
88	17.7	0.0	32.8

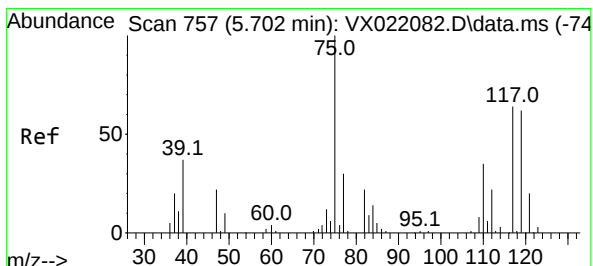
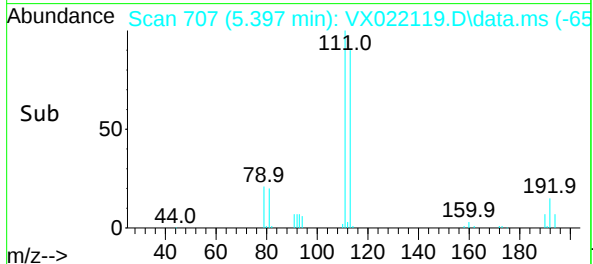
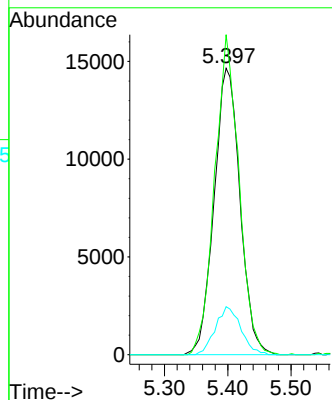
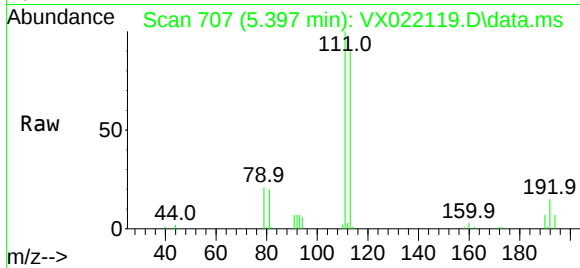




#35
Dibromofluoromethane
Concen: 48.74 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

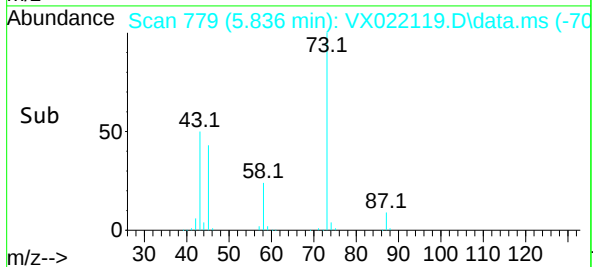
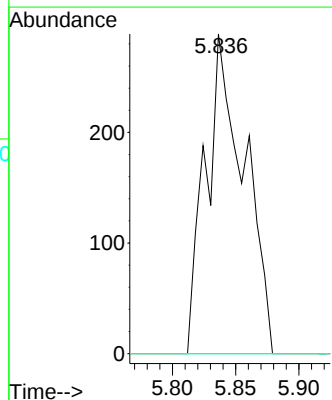
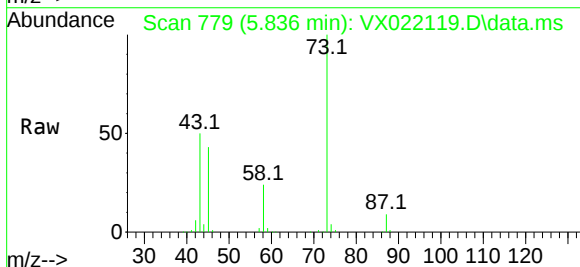
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

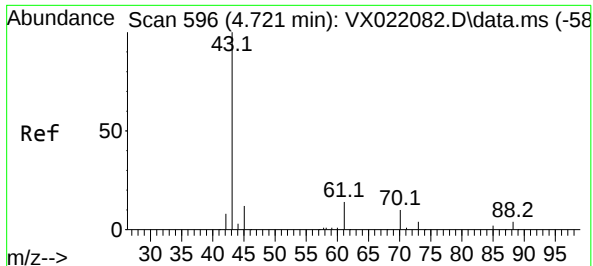
Tgt Ion:113 Resp: 41652
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 16.5 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 0.49 ug/l
RT: 5.836 min Scan# 779
Delta R.T. 0.134 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion: 75 Resp: 615
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 31.31 ug/l

RT: 4.684 min Scan# 590

Delta R.T. -0.037 min

Lab File: VX022119.D

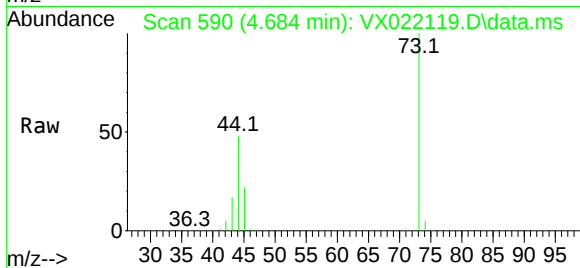
Acq: 21 May 2021 16:39

Instrument :

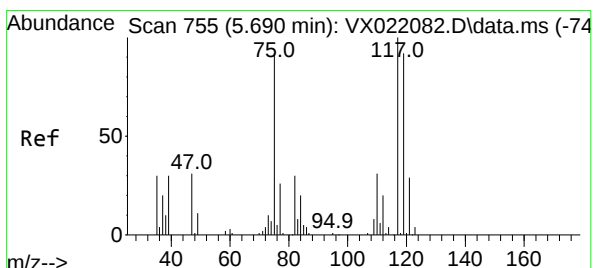
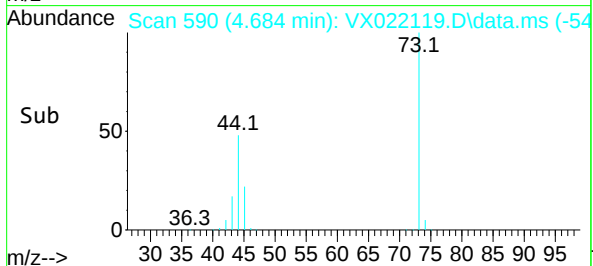
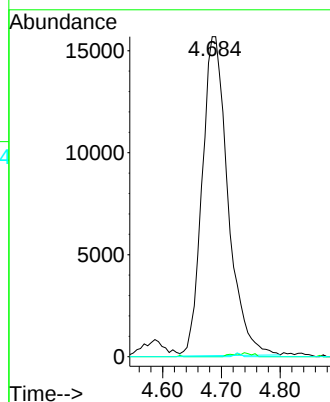
MSVOA_X

ClientSampleId :

WASTE-WATER



Tgt Ion: 43	Resp: 47822
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	10.5 15.7#



#38

Carbon Tetrachloride

Concen: 5.68 ug/l

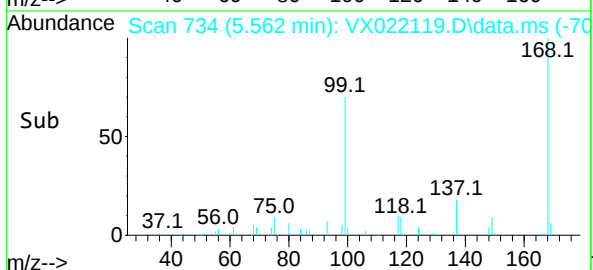
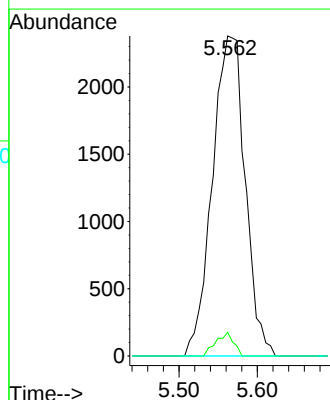
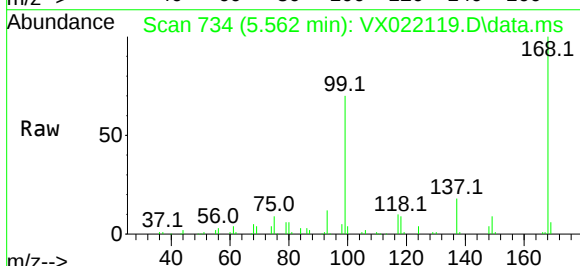
RT: 5.562 min Scan# 734

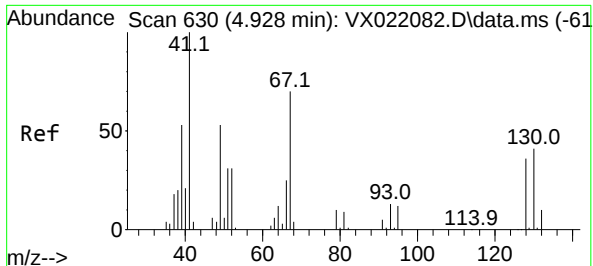
Delta R.T. -0.128 min

Lab File: VX022119.D

Acq: 21 May 2021 16:39

Tgt Ion: 117	Resp: 6925
Ion Ratio	Lower Upper
117 100	
119 7.4	76.2 114.2#
121 0.0	24.8 37.2#

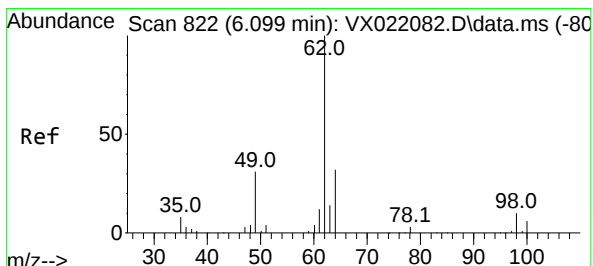
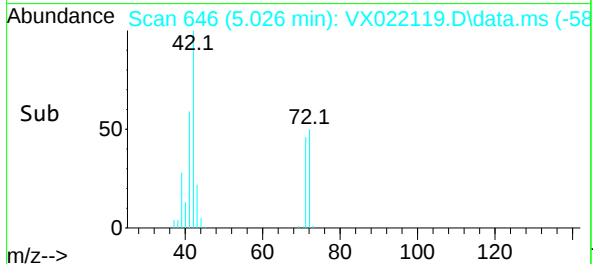
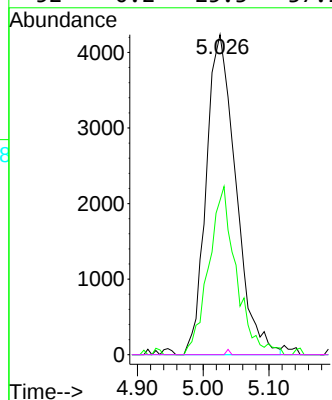
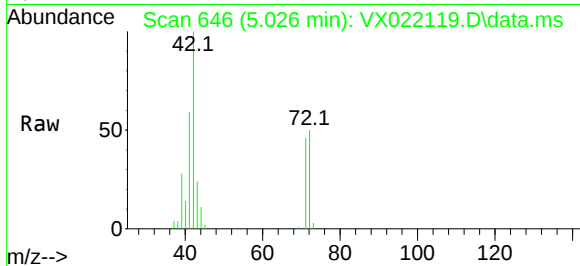




#41
Methacrylonitrile
Concen: 16.23 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

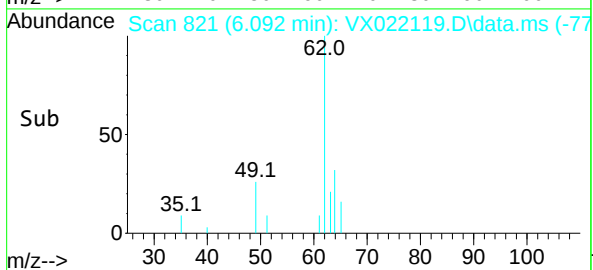
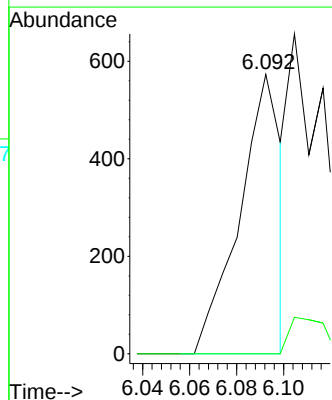
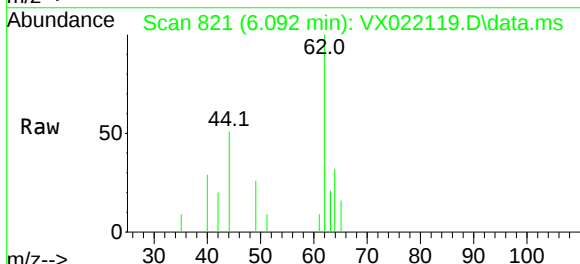
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

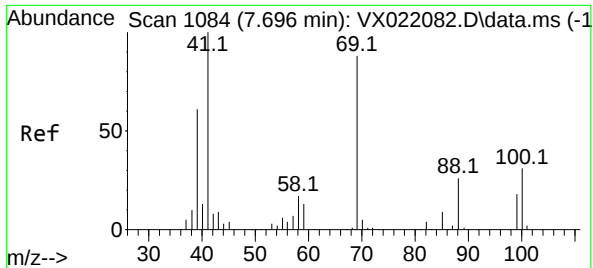
Tgt Ion:	41	Resp:	13265
Ion	Ratio	Lower	Upper
41	100		
39	47.8	42.5	63.7
67	0.0	65.0	97.6#
52	0.2	25.3	37.9#



#42
1,2-Dichloroethane
Concen: 0.53 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.007 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion:	62	Resp:	707
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.2

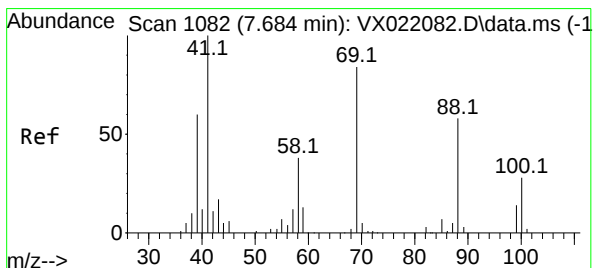
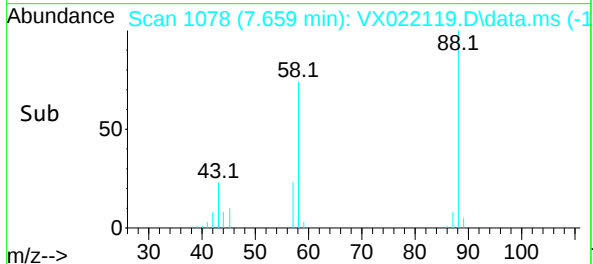
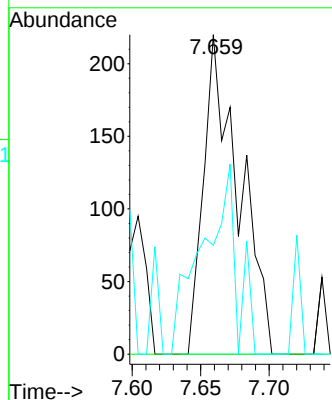
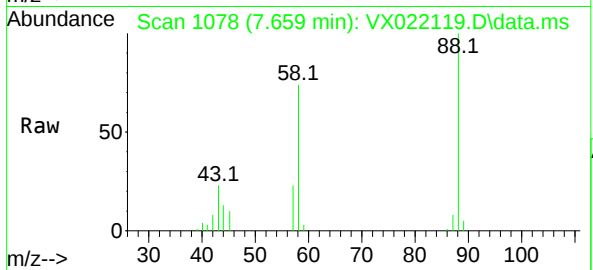




#48
Methyl methacrylate
Concen: 0.34 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. -0.037 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

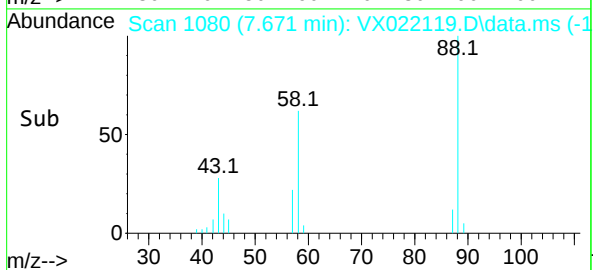
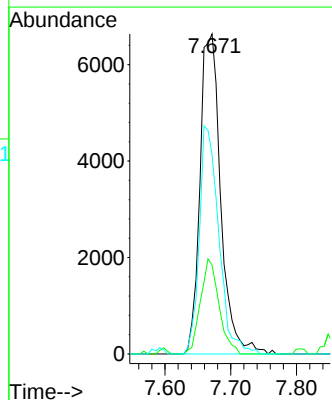
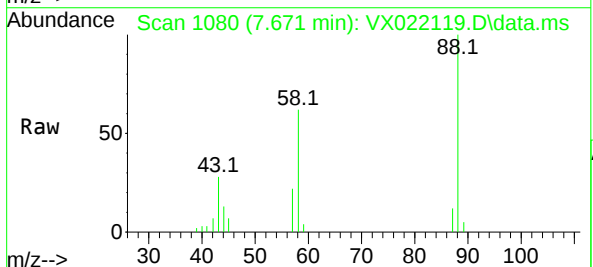
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

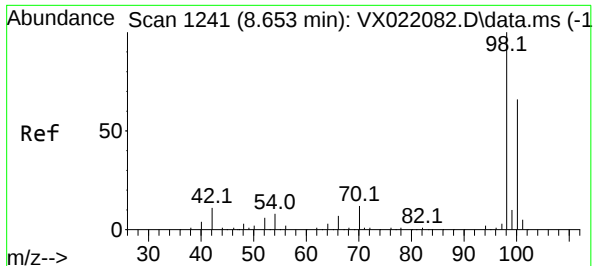
Tgt Ion: 41 Resp: 392
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 58.7 44.6 67.0



#49
1,4-Dioxane
Concen: 649.49 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.013 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion: 88 Resp: 14560
Ion Ratio Lower Upper
88 100
43 26.5 23.2 34.8
58 67.0 55.0 82.4

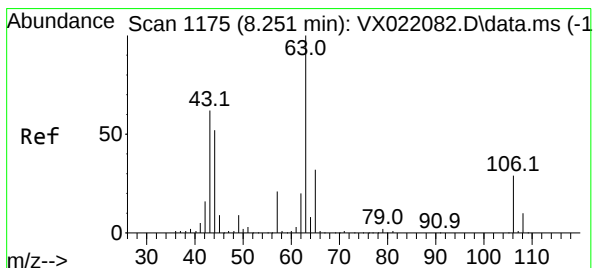
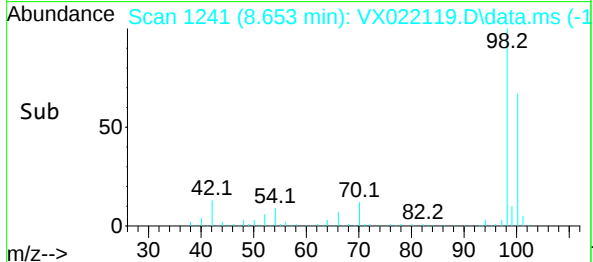
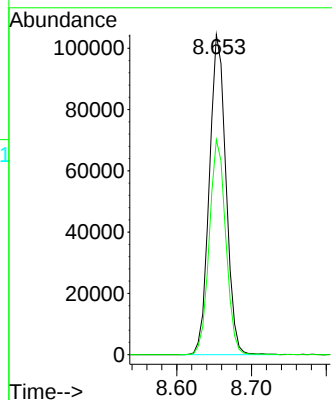
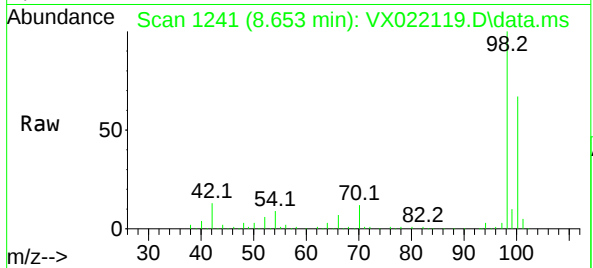




#50
Toluene-d8
Concen: 48.86 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

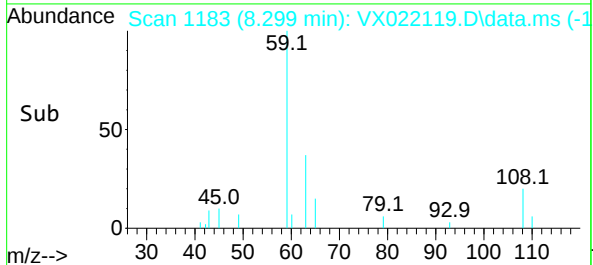
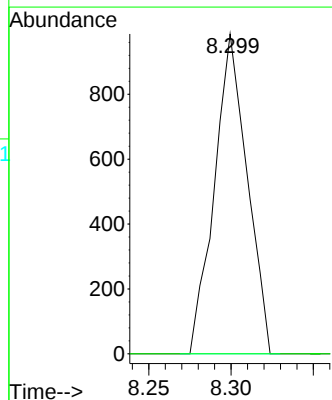
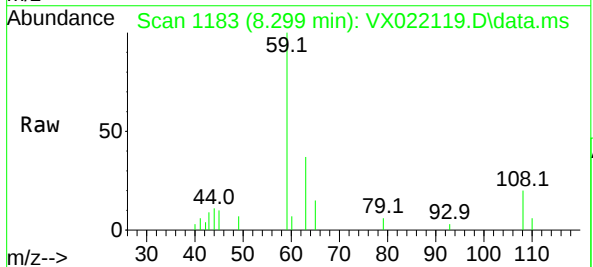
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

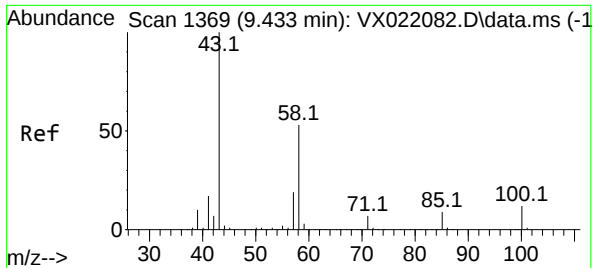
Tgt Ion: 98 Resp: 160830
Ion Ratio Lower Upper
98 100
100 66.7 51.9 77.9



#58
2-Chloroethyl Vinyl ether
Concen: 1.58 ug/l
RT: 8.299 min Scan# 1183
Delta R.T. 0.048 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion: 63 Resp: 1364
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#

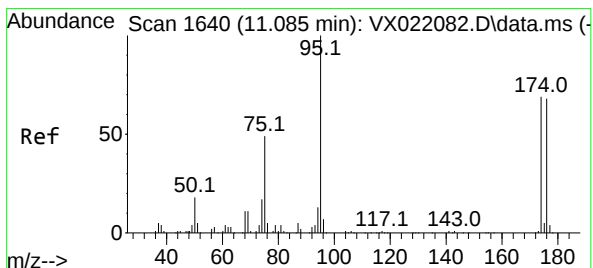
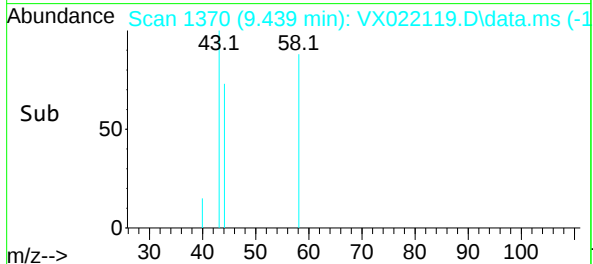
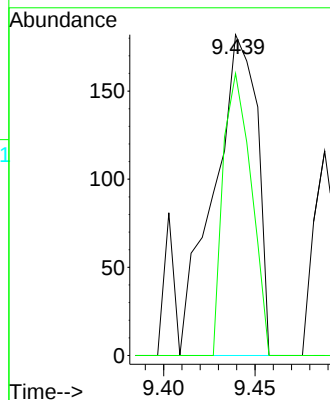
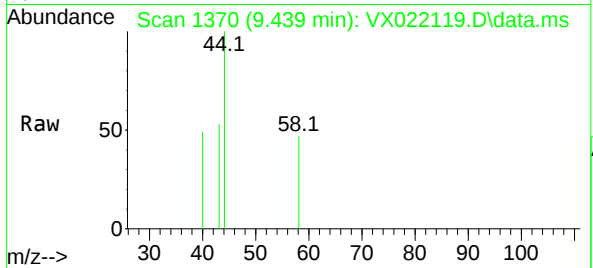




#59
2-Hexanone
Concen: 0.27 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

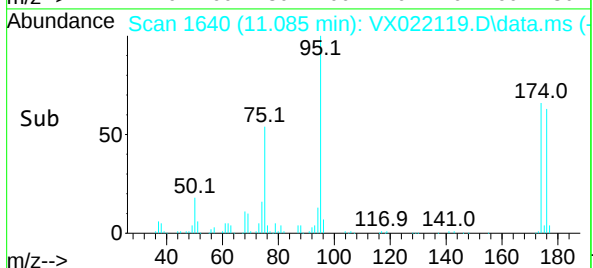
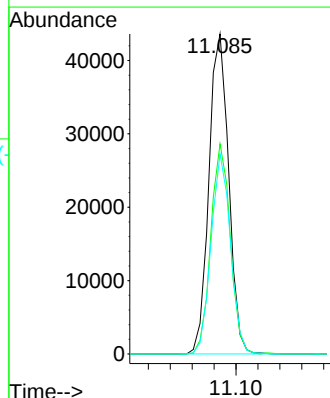
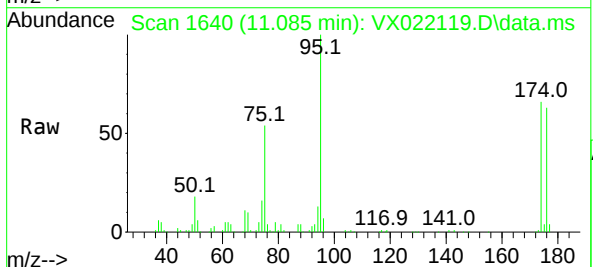
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

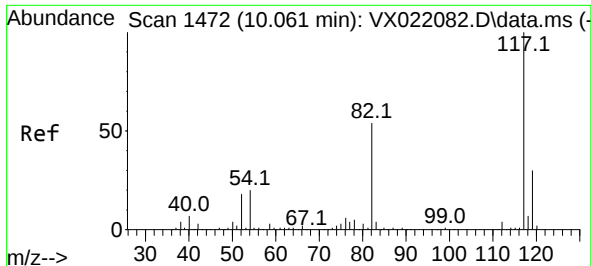
Tgt Ion: 43 Resp: 301
Ion Ratio Lower Upper
43 100
58 57.1 30.9 92.8



#62
4-Bromofluorobenzene
Concen: 44.79 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion: 95 Resp: 54499
Ion Ratio Lower Upper
95 100
174 64.6 0.0 154.6
176 61.6 0.0 155.8

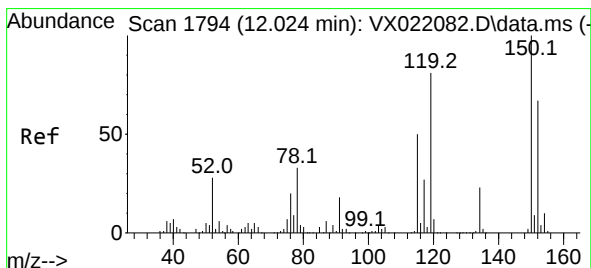
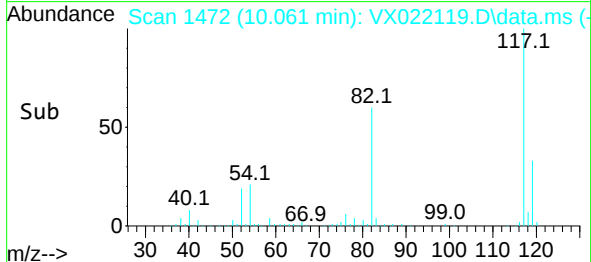
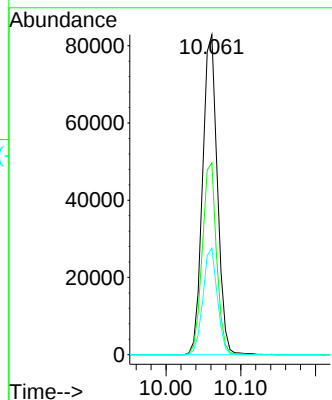
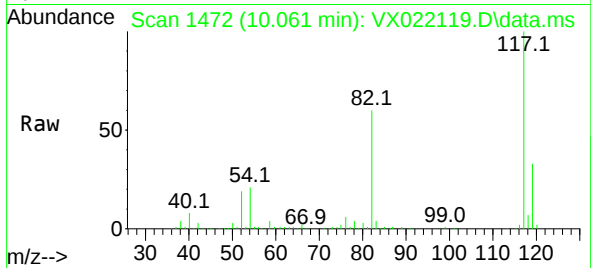




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

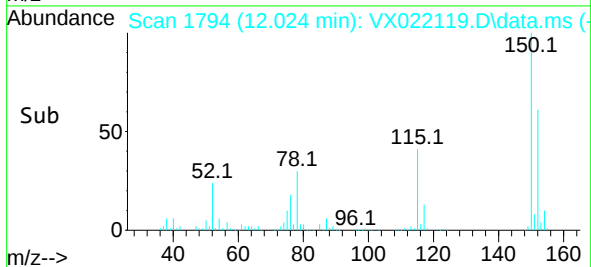
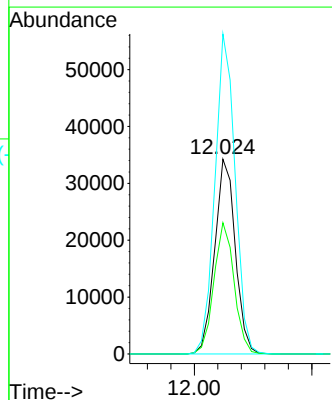
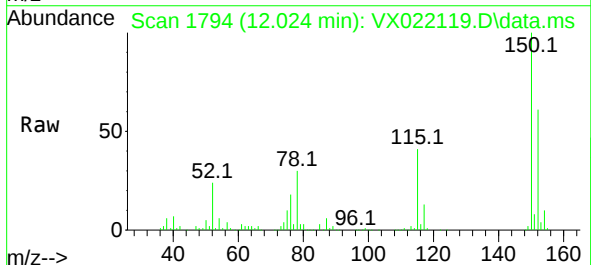
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

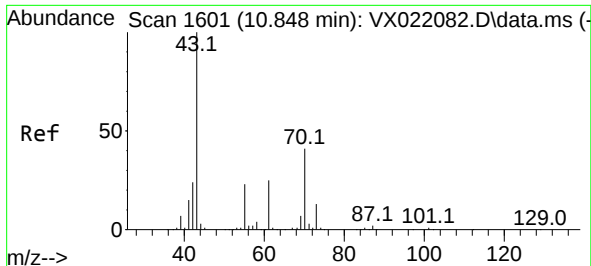
Tgt Ion:117 Resp: 113853
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 33.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion:152 Resp: 41717
Ion Ratio Lower Upper
152 100
115 66.2 41.1 123.3
150 161.0 0.0 349.0

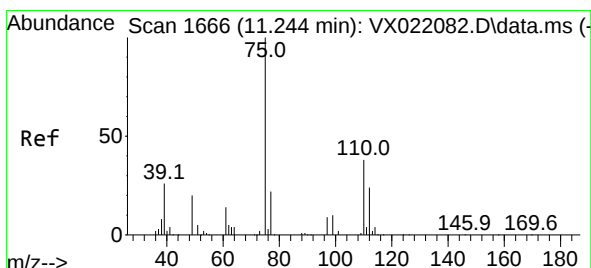
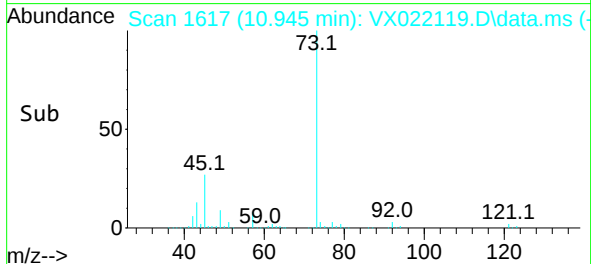
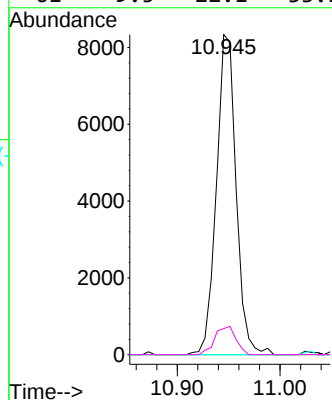
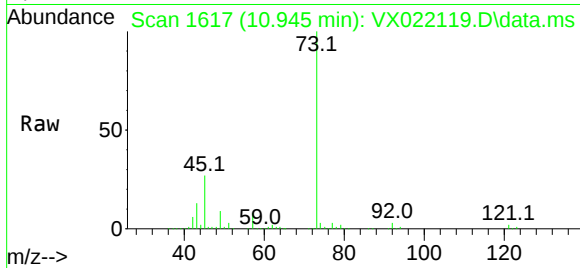




#74
N-amy1 acetate
Concen: 6.62 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. 0.097 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

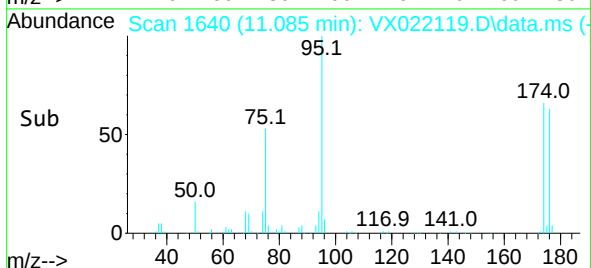
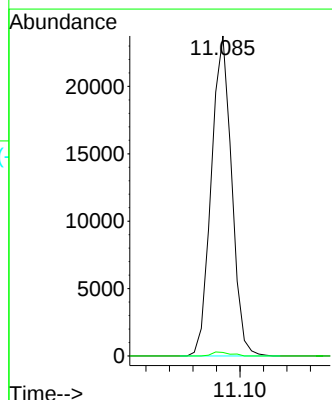
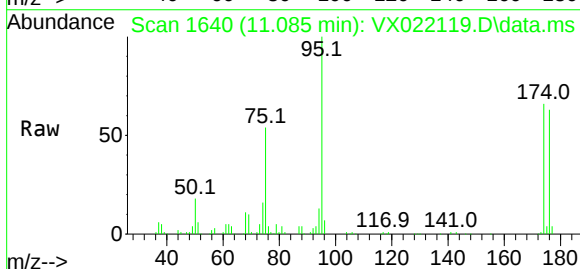
Instrument :
MSVOA_X
ClientSampleId :
WASTE-WATER

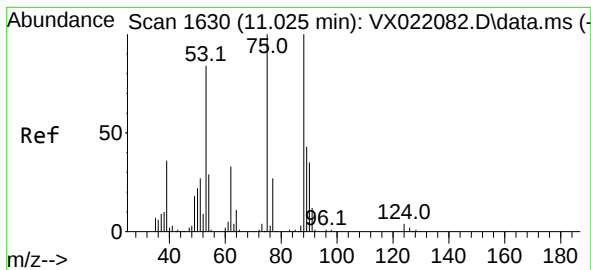
Tgt Ion:	43	Resp:	11087
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	0.0	21.5	32.3#
61	9.5	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 27.78 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022119.D
Acq: 21 May 2021 16:39

Tgt Ion:	75	Resp:	28590
Ion	Ratio	Lower	Upper
75	100		
77	1.1	19.1	57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.82 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.060 min
 Lab File: VX022119.D
 Acq: 21 May 2021 16:39

Instrument :
 MSVOA_X
 ClientSampleId :
 WASTE-WATER

Tgt Ion: 75 Resp: 28590
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.1 37.9 56.9#

