

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022422\
 Data File : VX027178.D
 Acq On : 24 Feb 2022 18:23
 Operator : JC/MD
 Sample : N1668-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PURGED-WATER

Quant Time: Feb 25 00:06:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 23 13:06:57 2022
 Response via : Initial Calibration

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

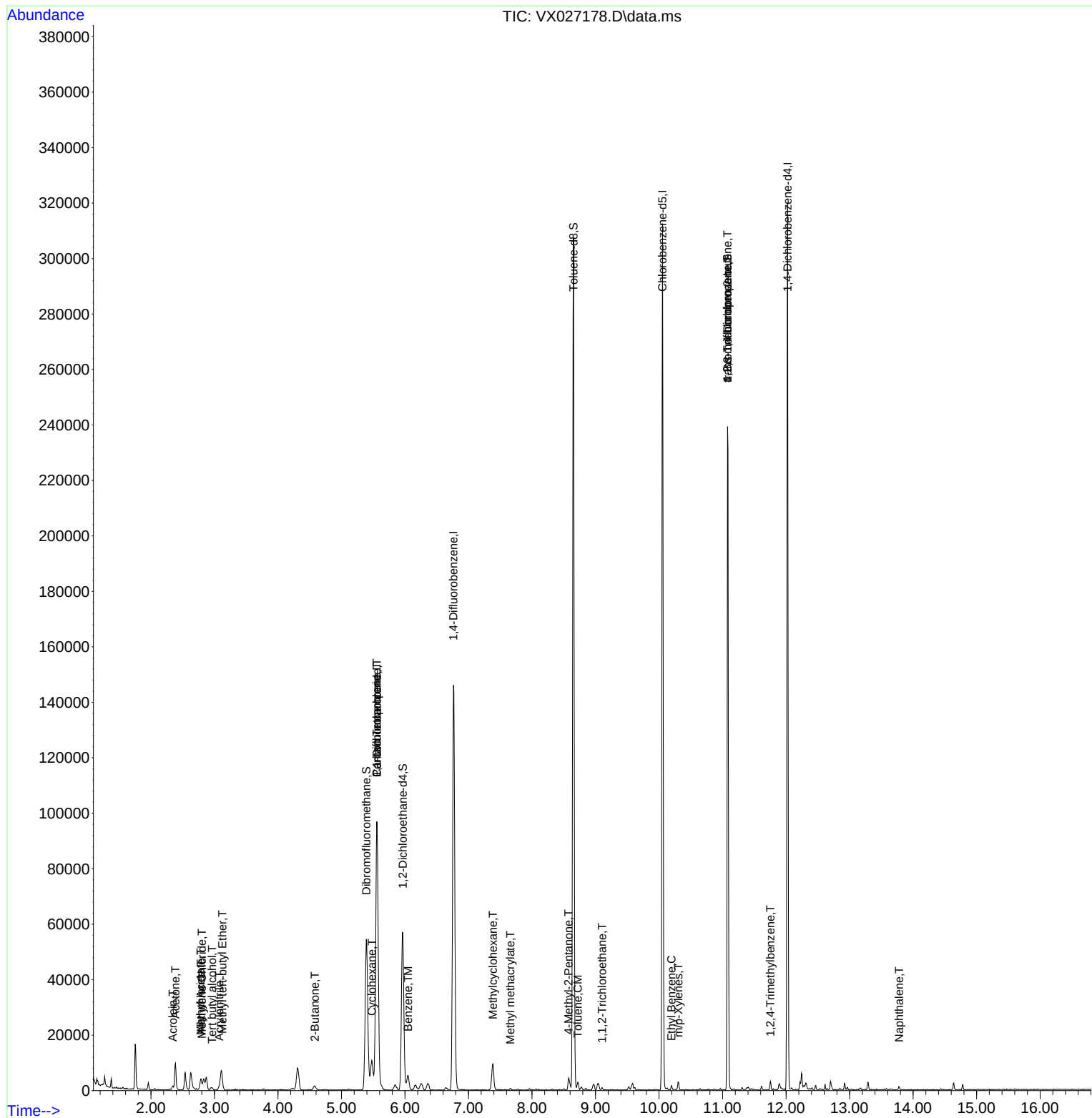
Internal Standards						
1) Pentafluorobenzene	5.556	168	95400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	156049	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	55587	48.515	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.040%		
35) Dibromofluoromethane	5.391	113	47729	49.275	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.560%		
50) Toluene-d8	8.653	98	181583	50.136	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.280%		
62) 4-Bromofluorobenzene	11.079	95	67251	48.374	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.740%		
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	120	Below Cal	#	2
11) Tert butyl alcohol	2.965	59	845	3.790	ug/l #	75
13) Acrolein	2.343	56	165	0.801	ug/l #	14
14) Allyl chloride	2.788	41	1034	0.632	ug/l #	66
15) Acrylonitrile	3.075	53	1184	2.070	ug/l	94
16) Acetone	2.386	43	10734	21.338	ug/l	95
18) Methyl Acetate	2.782	43	3058	2.355	ug/l #	53
19) Methyl tert-butyl Ether	3.123	73	1767	0.554	ug/l #	1
20) Methylene Chloride	2.800	84	244	0.234	ug/l #	62
25) 2-Butanone	4.580	43	1906	2.379	ug/l #	84
31) Cyclohexane	5.477	56	7377	4.299	ug/l	97
36) 1,1-Dichloropropene	5.556	75	6720	4.754	ug/l #	51
38) Carbon Tetrachloride	5.556	117	9446	6.407	ug/l #	17
39) Methylcyclohexane	7.385	83	4402	2.503	ug/l	92
40) Benzene	6.050	78	6531	1.580	ug/l	97
48) Methyl methacrylate	7.659	41	249	0.215	ug/l #	58
51) 4-Methyl-2-Pentanone	8.574	43	2737	1.764	ug/l	92
52) Toluene	8.720	92	1135	0.429	ug/l	92
55) 1,1,2-Trichloroethane	9.104	97	410	0.391	ug/l #	15
67) Ethyl Benzene	10.195	91	1179	0.233	ug/l #	85
68) m/p-Xylenes	10.305	106	717	0.369	ug/l	81
76) 1,2,3-Trichloropropane	11.079	75	32043	24.200	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	32043	68.699	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	1544	0.392	ug/l	98
95) Naphthalene	13.780	128	1136	0.246	ug/l #	91

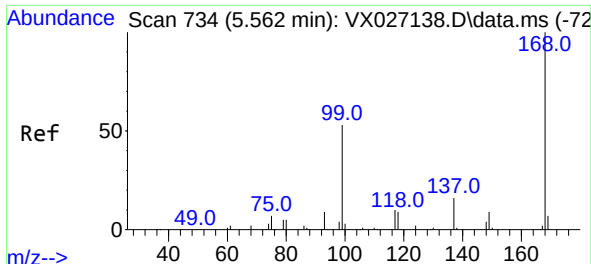
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
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Quant Time: Feb 25 00:06:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022322W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 23 13:06:57 2022
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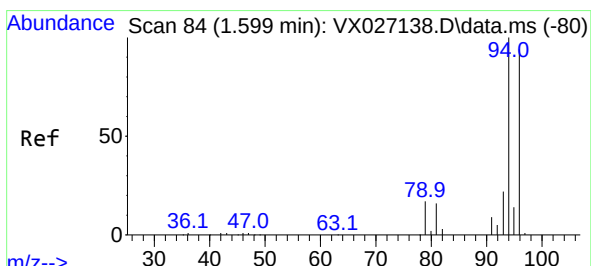
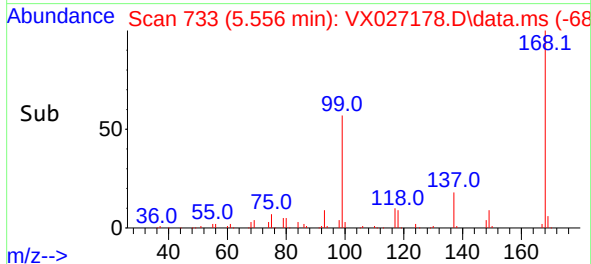
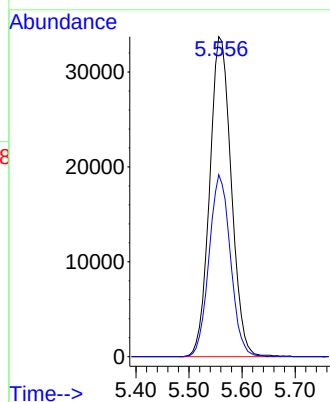
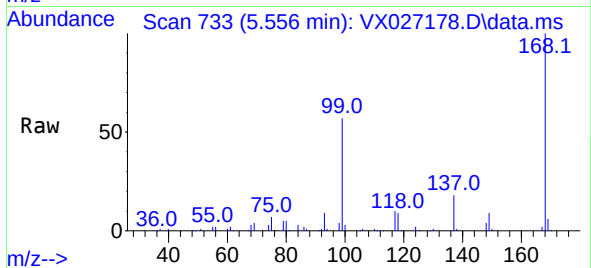




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

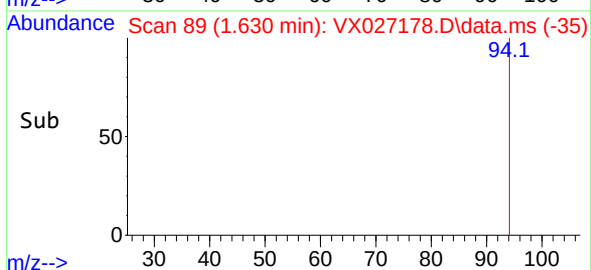
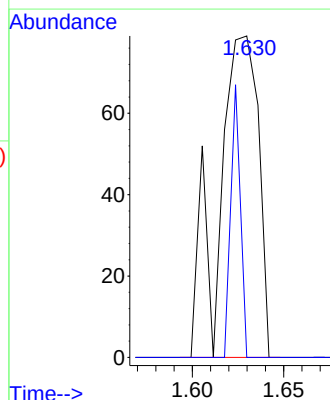
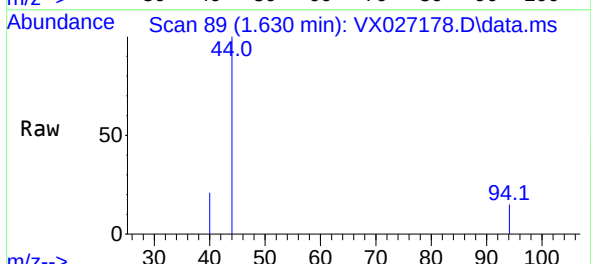
Instrument :
MSVOA_X
ClientSampleId :
PURGED-WATER

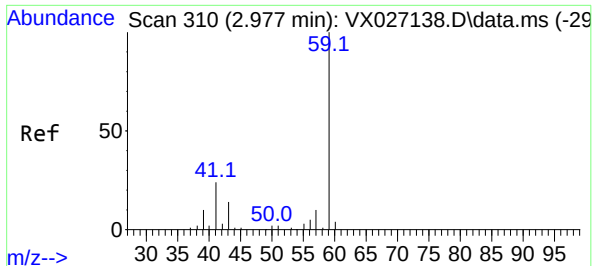
Tgt Ion:168 Resp: 95400
Ion Ratio Lower Upper
168 100
99 56.9 50.3 75.5



#5
Bromomethane
Concen: Below Cal
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

Tgt Ion: 94 Resp: 120
Ion Ratio Lower Upper
94 100
96 0.0 75.9 113.9#





#11

Tert butyl alcohol

Concen: 3.790 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

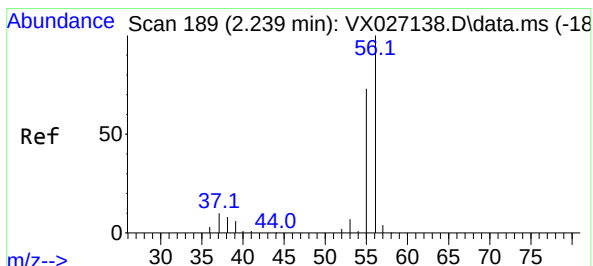
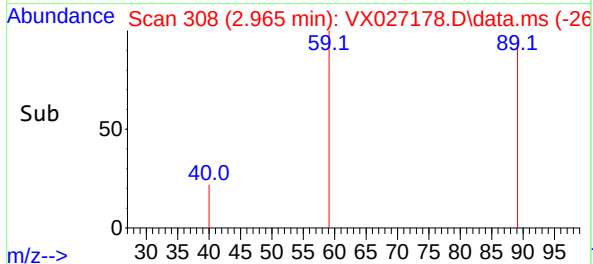
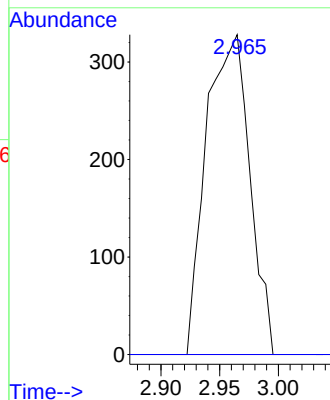
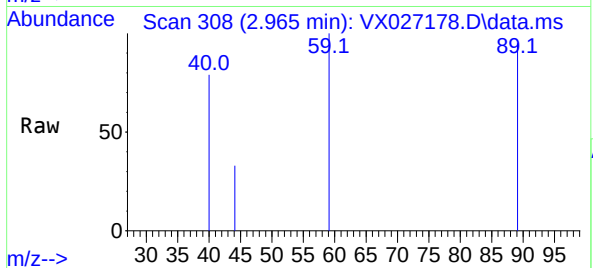
PURGED-WATER

Tgt Ion: 59 Resp: 845

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#13

Acrolein

Concen: 0.801 ug/l

RT: 2.343 min Scan# 206

Delta R.T. 0.104 min

Lab File: VX027178.D

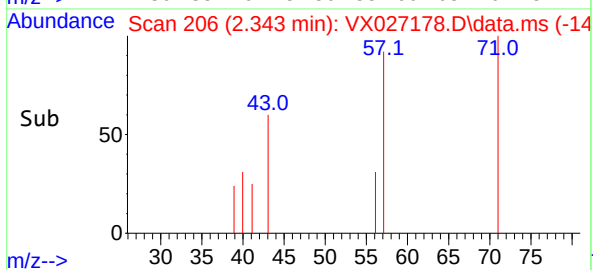
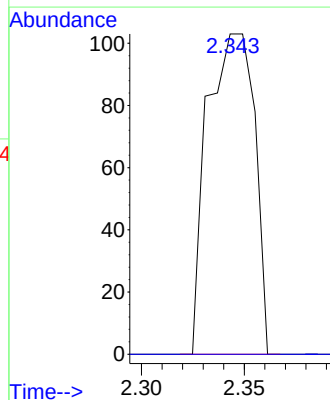
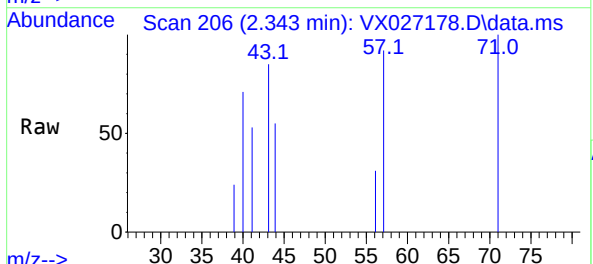
Acq: 24 Feb 2022 18:23

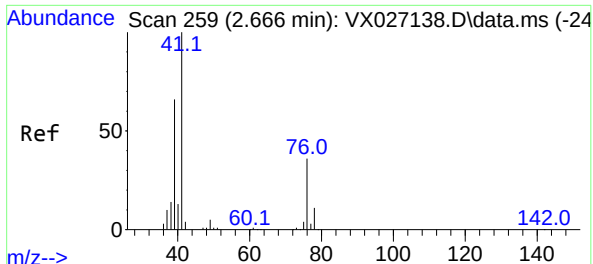
Tgt Ion: 56 Resp: 165

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#

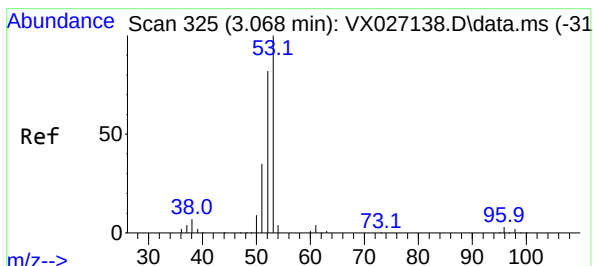
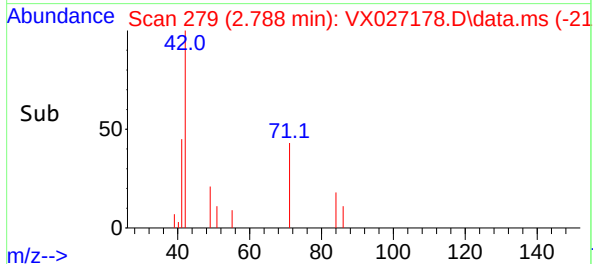
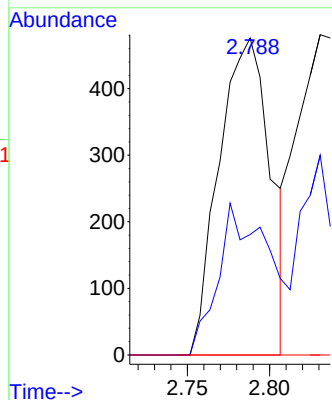
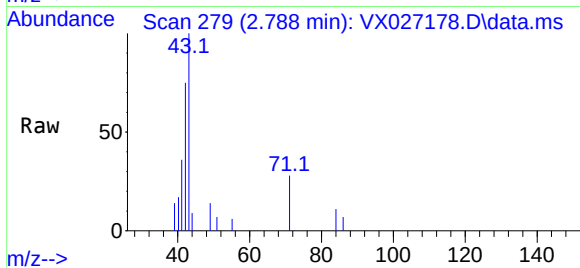




#14
 Allyl chloride
 Concen: 0.632 ug/l
 RT: 2.788 min Scan# 21
 Delta R.T. 0.122 min
 Lab File: VX027178.D
 Acq: 24 Feb 2022 18:23

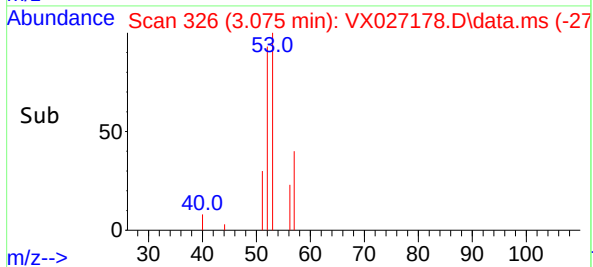
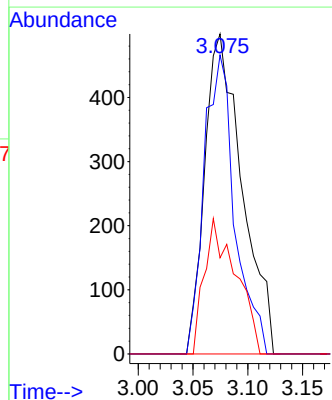
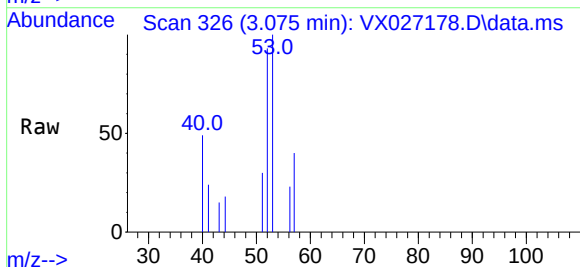
Instrument :
 MSVOA_X
 ClientSampleId :
 PURGED-WATER

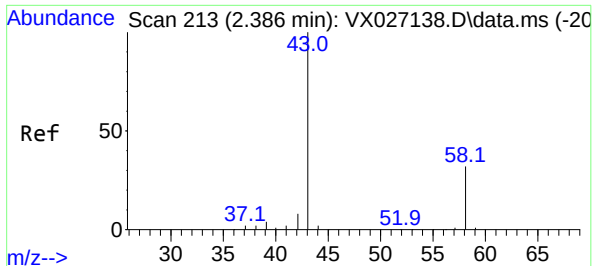
Tgt Ion: 41 Resp: 1034
 Ion Ratio Lower Upper
 41 100
 39 48.8 54.2 81.4#
 76 0.0 25.2 37.8#



#15
 Acrylonitrile
 Concen: 2.070 ug/l
 RT: 3.075 min Scan# 326
 Delta R.T. 0.007 min
 Lab File: VX027178.D
 Acq: 24 Feb 2022 18:23

Tgt Ion: 53 Resp: 1184
 Ion Ratio Lower Upper
 53 100
 52 76.4 66.6 100.0
 51 35.9 29.5 44.3

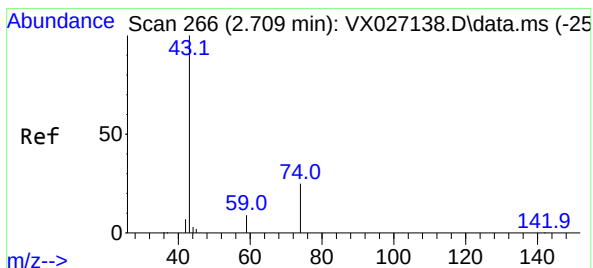
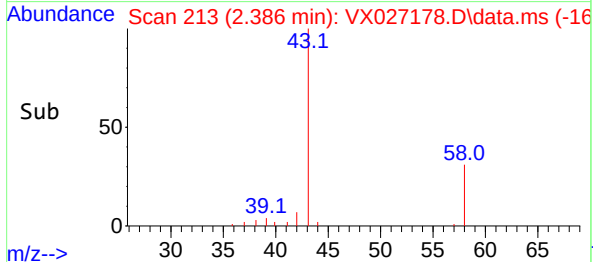
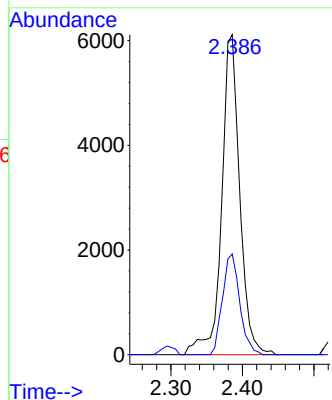
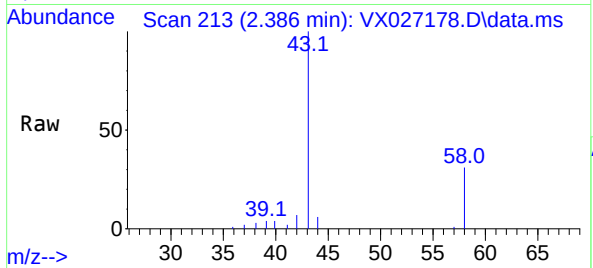




#16
Acetone
Concen: 21.338 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

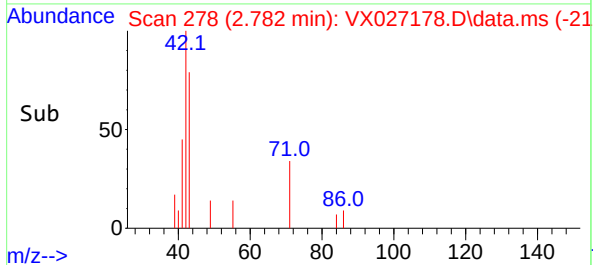
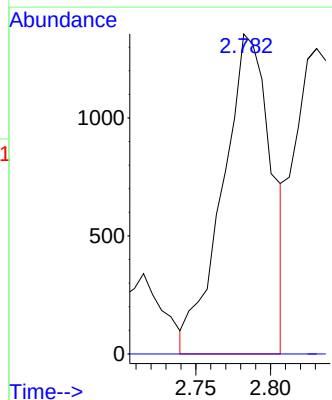
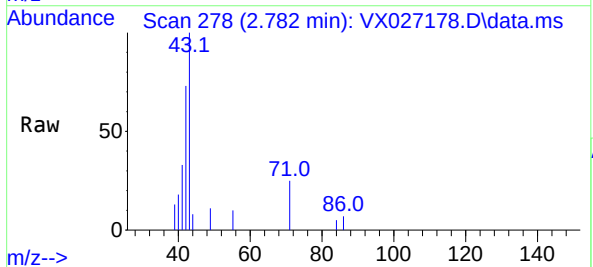
Instrument :
MSVOA_X
ClientSampleId :
PURGED-WATER

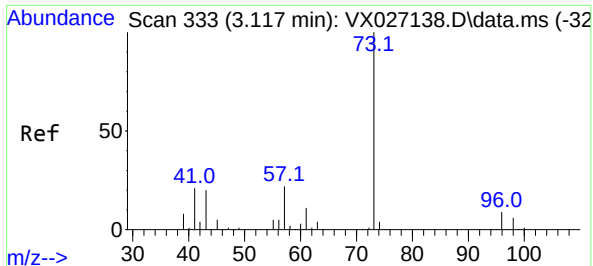
Tgt Ion: 43 Resp: 10734
Ion Ratio Lower Upper
43 100
58 31.5 23.0 34.6



#18
Methyl Acetate
Concen: 2.355 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.073 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

Tgt Ion: 43 Resp: 3058
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#





#19

Methyl tert-butyl Ether

Concen: 0.554 ug/l

RT: 3.123 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

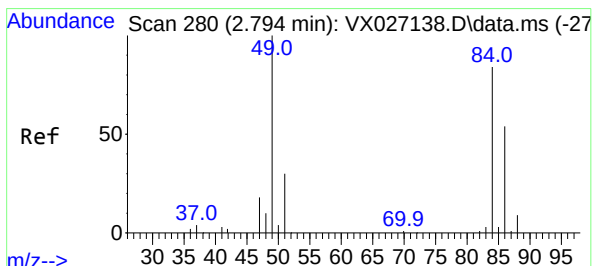
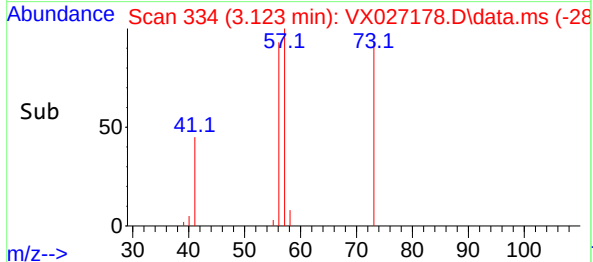
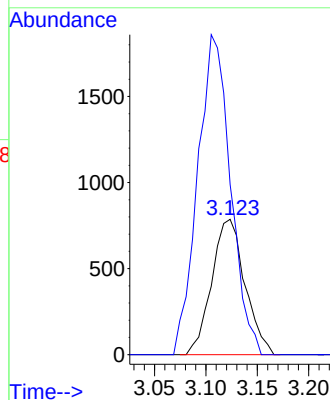
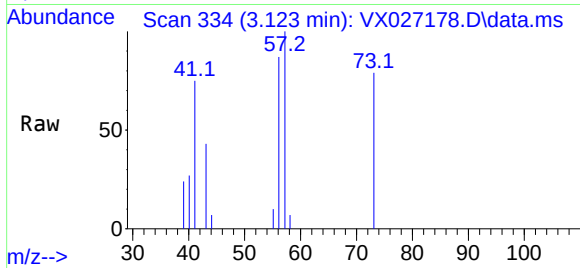
PURGED-WATER

Tgt Ion: 73 Resp: 1767

Ion Ratio Lower Upper

73 100

57 125.8 17.4 26.2#



#20

Methylene Chloride

Concen: 0.234 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

Tgt Ion: 84 Resp: 244

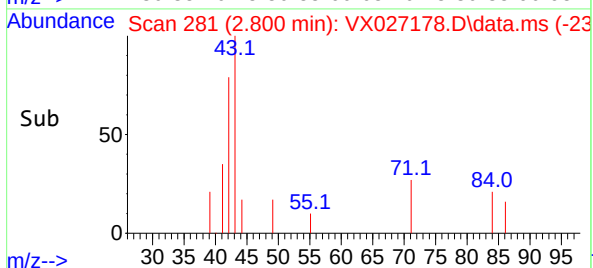
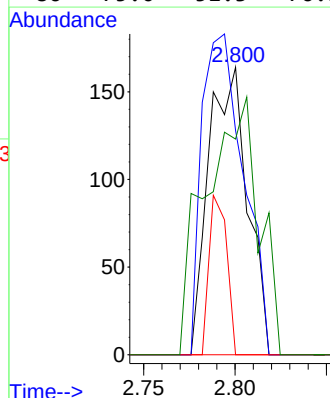
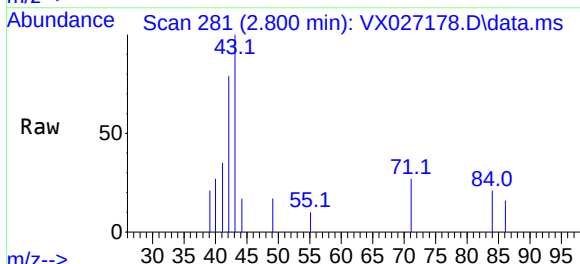
Ion Ratio Lower Upper

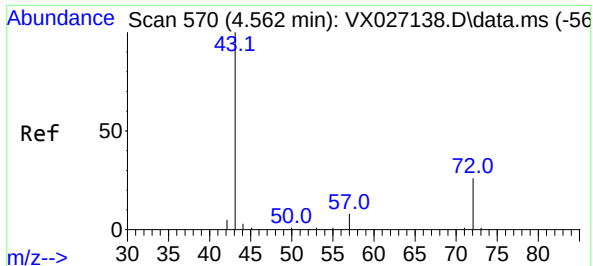
84 100

49 78.0 101.5 152.3#

51 0.0 31.2 46.8#

86 75.0 51.3 76.9





#25

2-Butanone

Concen: 2.379 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

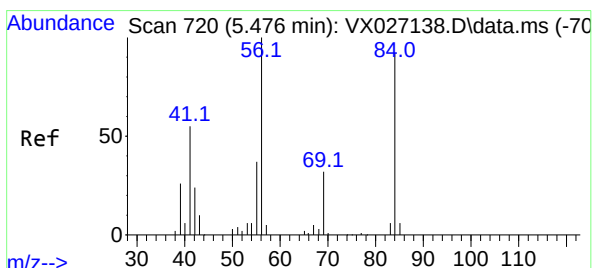
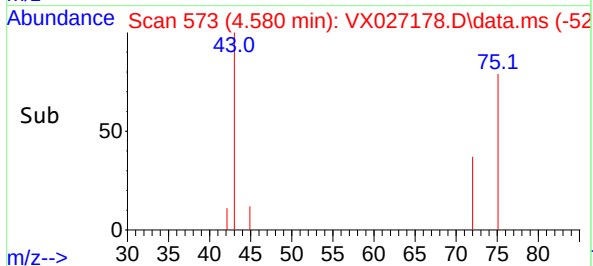
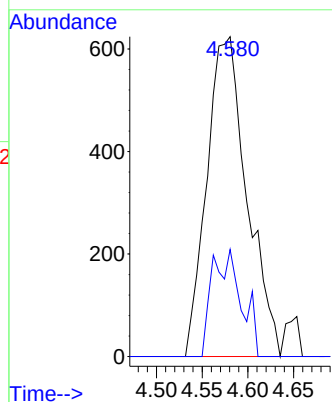
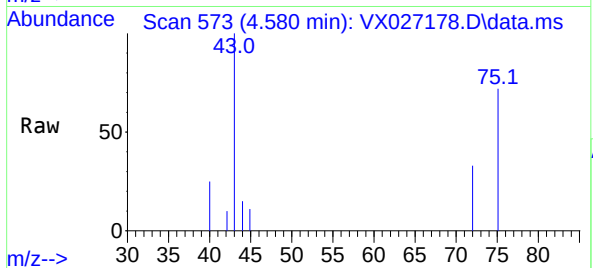
PURGED-WATER

Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

43 100

72 33.5 20.4 30.6#



#31

Cyclohexane

Concen: 4.299 ug/l

RT: 5.477 min Scan# 720

Delta R.T. 0.001 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

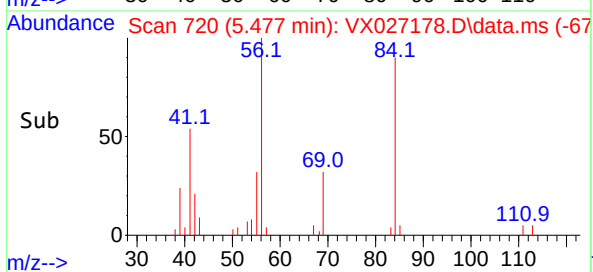
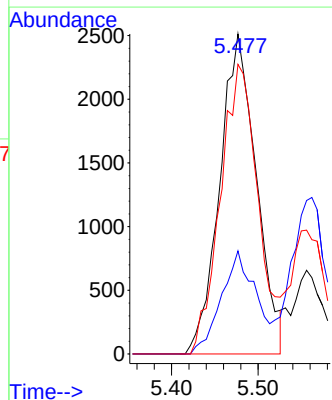
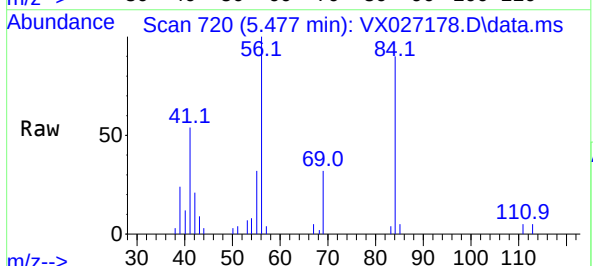
Tgt Ion: 56 Resp: 7377

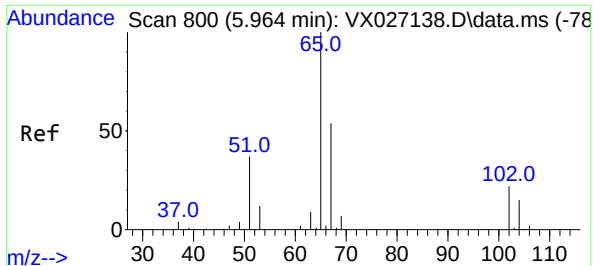
Ion Ratio Lower Upper

56 100

69 32.2 25.8 38.6

84 90.5 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 48.515 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

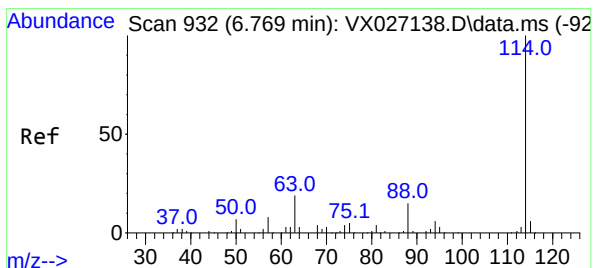
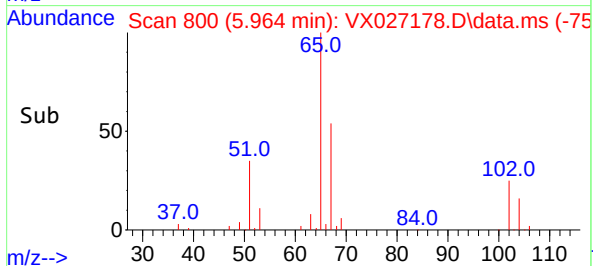
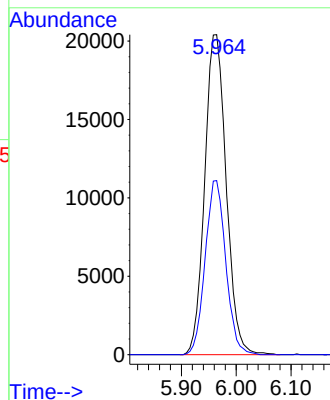
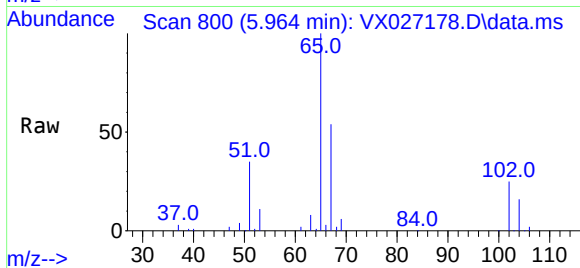
PURGED-WATER

Tgt Ion: 65 Resp: 55587

Ion Ratio Lower Upper

65 100

67 52.0 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

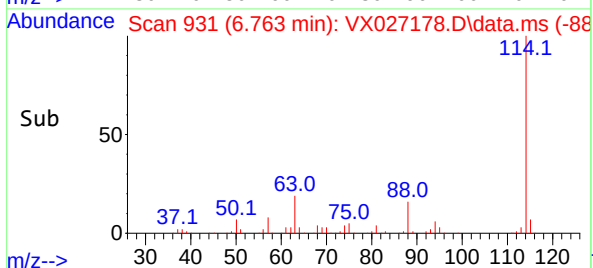
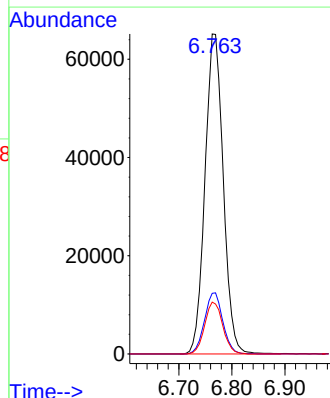
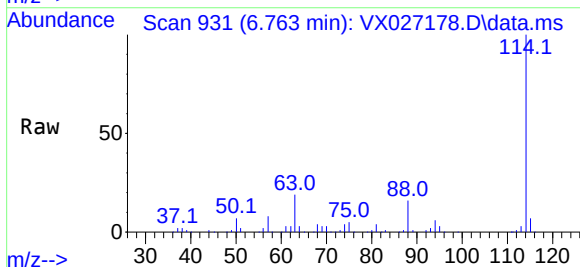
Tgt Ion: 114 Resp: 156049

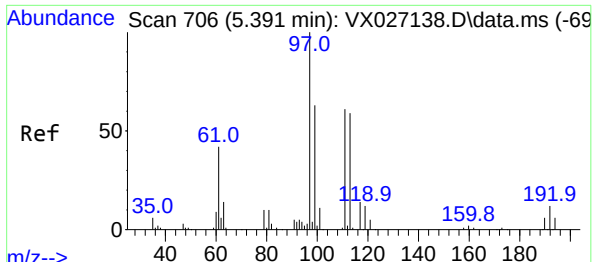
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.8

88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.275 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027178.D

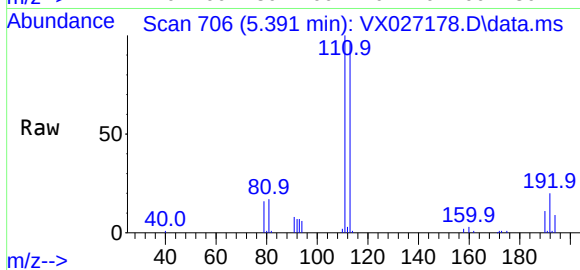
Acq: 24 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

PURGED-WATER



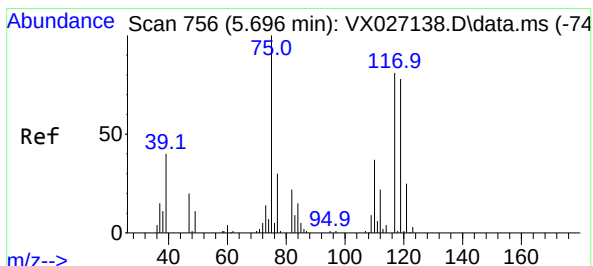
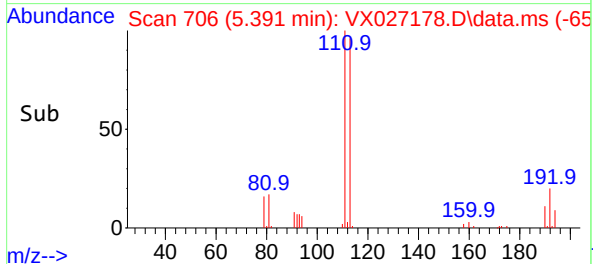
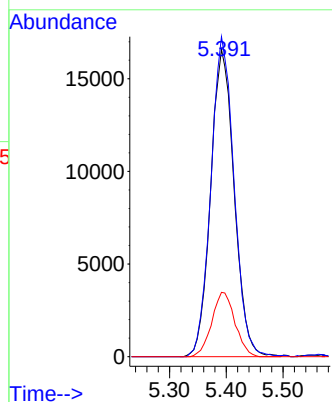
Tgt Ion:113 Resp: 47729

Ion Ratio Lower Upper

113 100

111 102.7 81.2 121.8

192 20.6 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.754 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

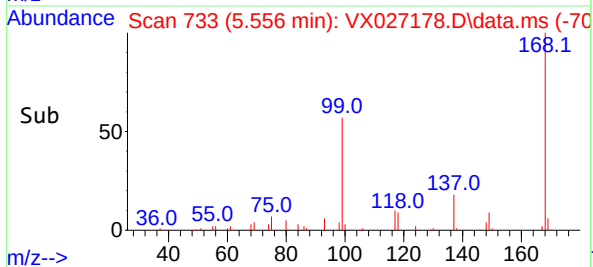
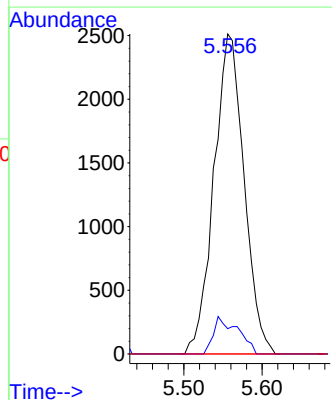
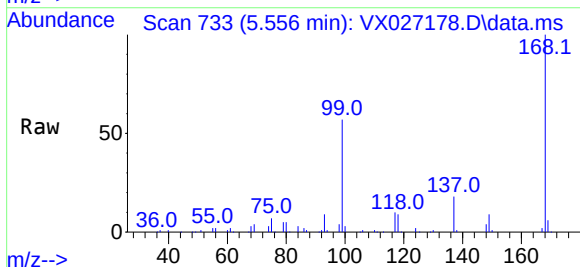
Tgt Ion: 75 Resp: 6720

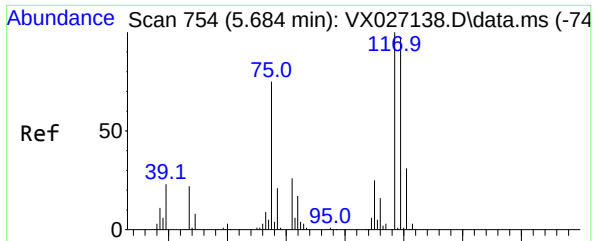
Ion Ratio Lower Upper

75 100

110 9.4 17.2 51.6#

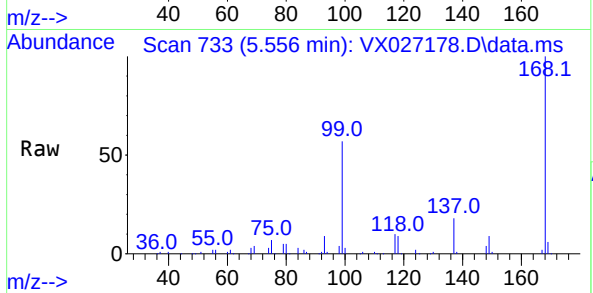
77 0.0 24.6 36.8#



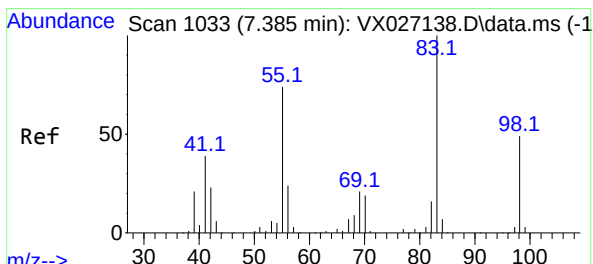
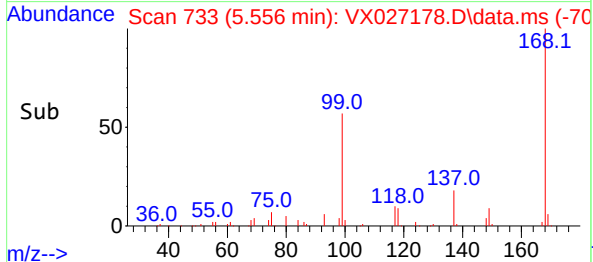
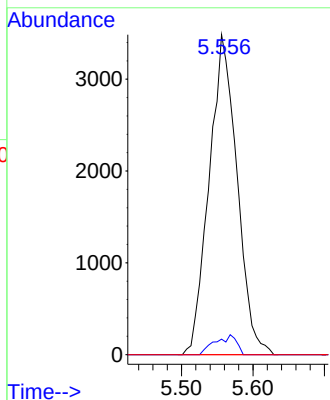


#38
Carbon Tetrachloride
Concen: 6.407 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

Instrument :
MSVOA_X
ClientSampleId :
PURGED-WATER

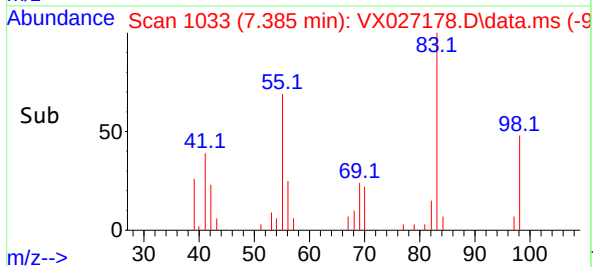
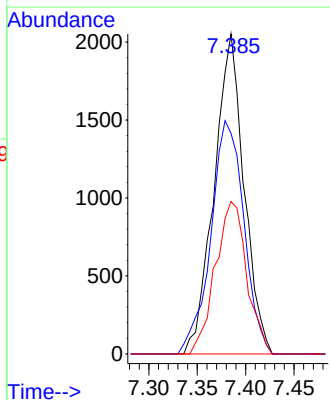
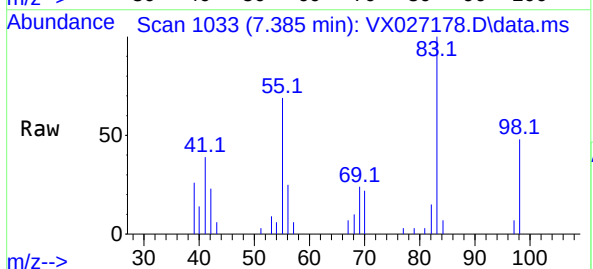


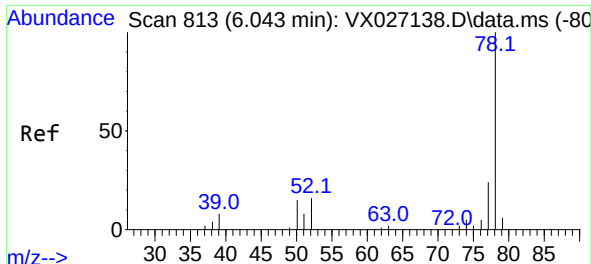
Tgt Ion:117 Resp: 9446
Ion Ratio Lower Upper
117 100
119 4.8 74.7 112.1#
121 0.0 25.4 38.0#



#39
Methylcyclohexane
Concen: 2.503 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

Tgt Ion: 83 Resp: 4402
Ion Ratio Lower Upper
83 100
55 69.0 63.6 95.4
98 47.7 38.4 57.6

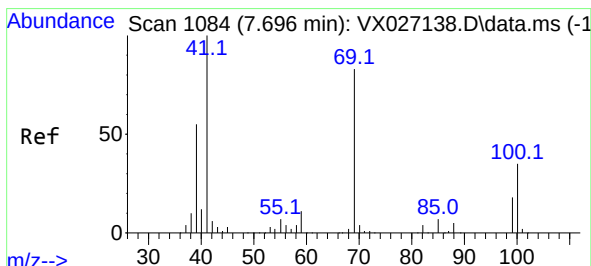
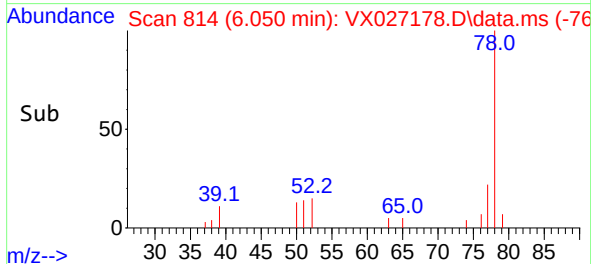
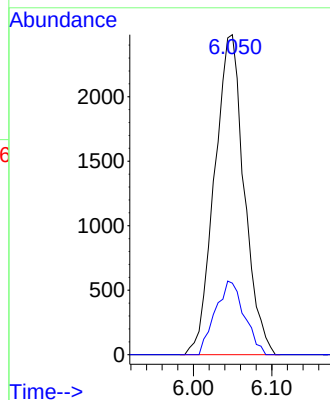
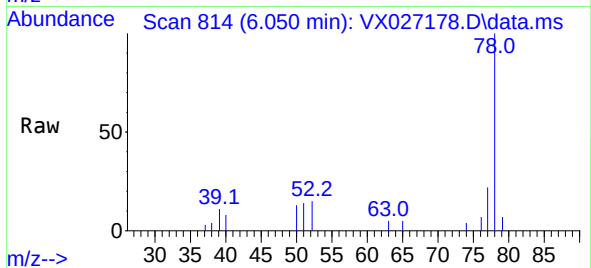




#40
Benzene
Concen: 1.580 ug/l
RT: 6.050 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

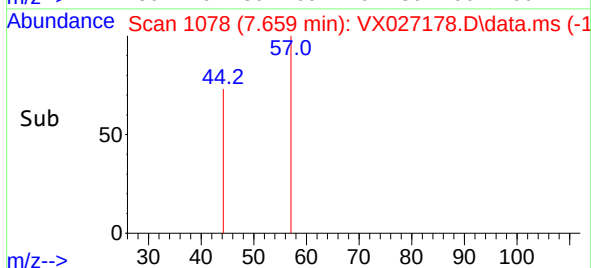
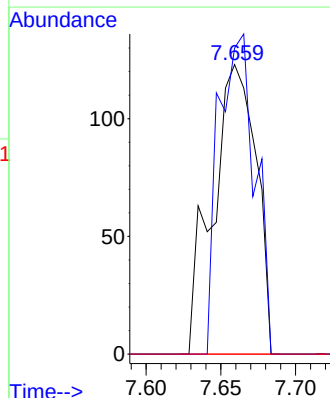
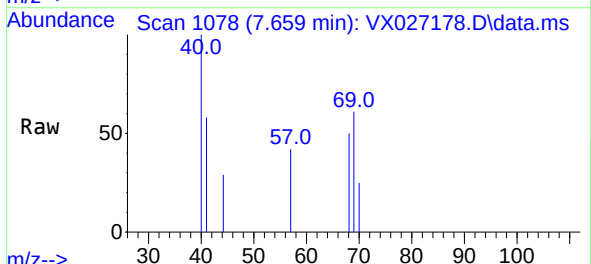
Instrument :
MSVOA_X
ClientSampleId :
PURGED-WATER

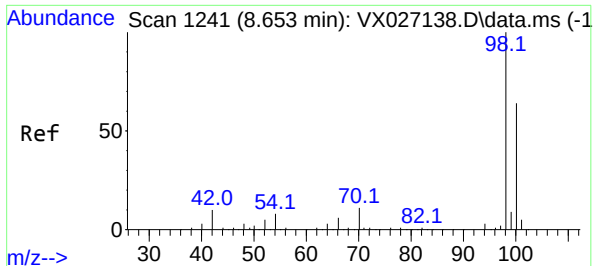
Tgt Ion: 78 Resp: 6531
Ion Ratio Lower Upper
78 100
77 22.4 18.9 28.3



#48
Methyl methacrylate
Concen: 0.215 ug/l
RT: 7.659 min Scan# 1078
Delta R.T. -0.037 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

Tgt Ion: 41 Resp: 249
Ion Ratio Lower Upper
41 100
69 92.4 62.2 93.4
39 0.0 45.4 68.0#

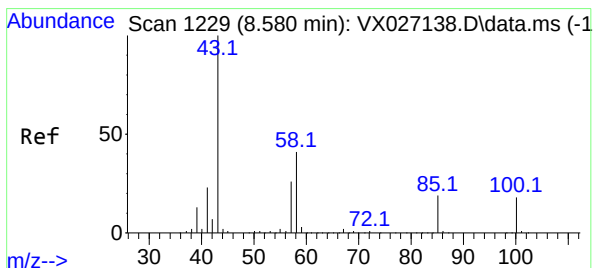
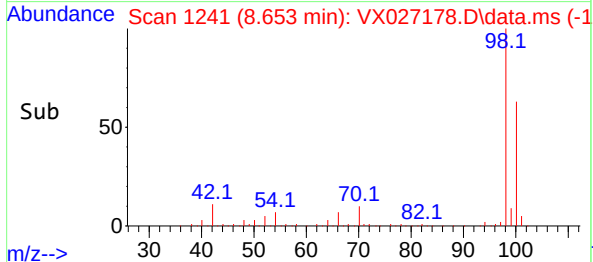
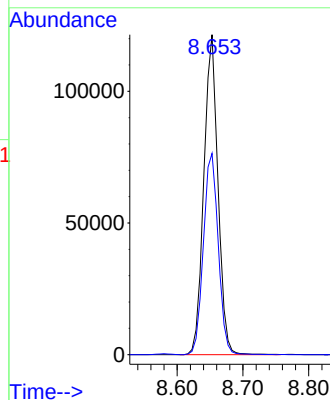
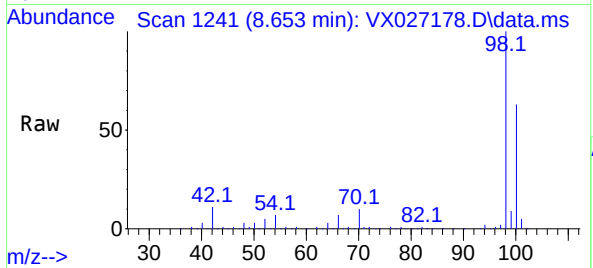




#50
Toluene-d8
Concen: 50.136 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

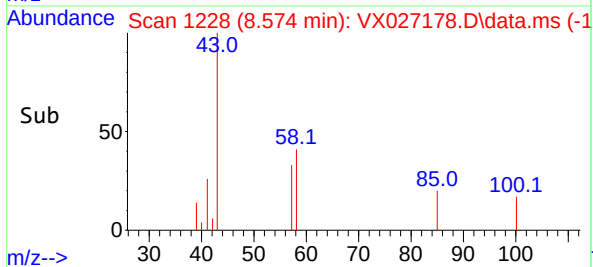
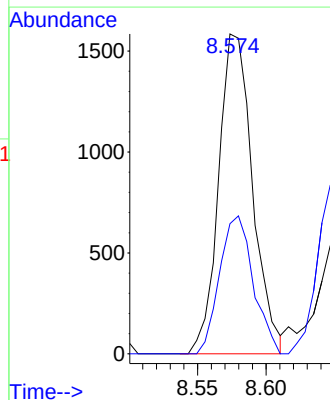
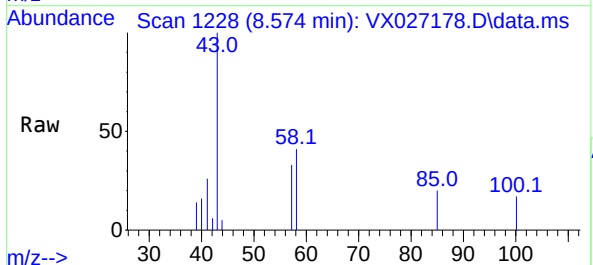
Instrument :
MSVOA_X
ClientSampleId :
PURGED-WATER

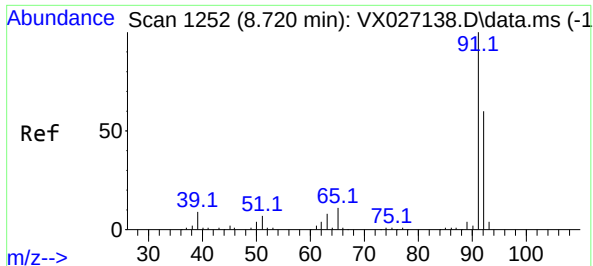
Tgt Ion: 98 Resp: 181583
Ion Ratio Lower Upper
98 100
100 66.1 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 1.764 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

Tgt Ion: 43 Resp: 2737
Ion Ratio Lower Upper
43 100
58 42.7 30.5 45.7





#52

Toluene

Concen: 0.429 ug/l

RT: 8.720 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

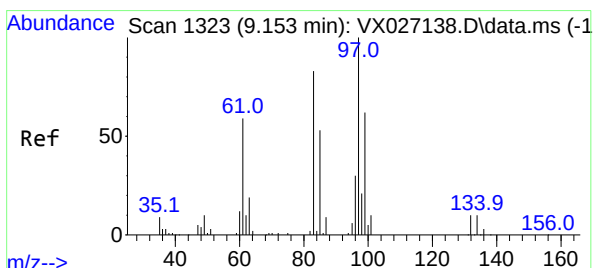
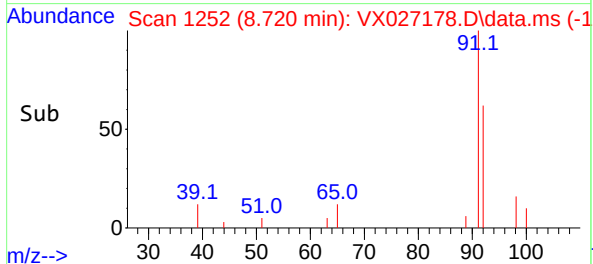
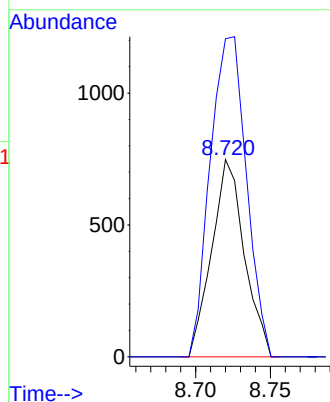
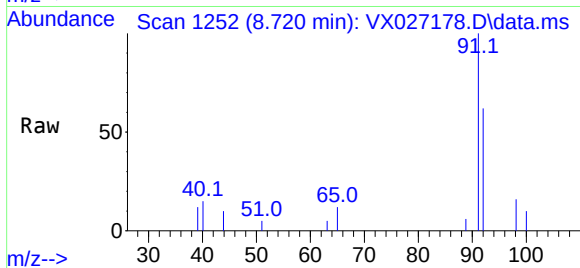
PURGED-WATER

Tgt Ion: 92 Resp: 1135

Ion Ratio Lower Upper

92 100

91 180.3 135.7 203.5



#55

1,1,2-Trichloroethane

Concen: 0.391 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.049 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

Tgt Ion: 97 Resp: 410

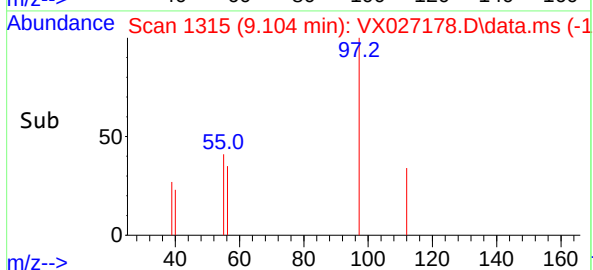
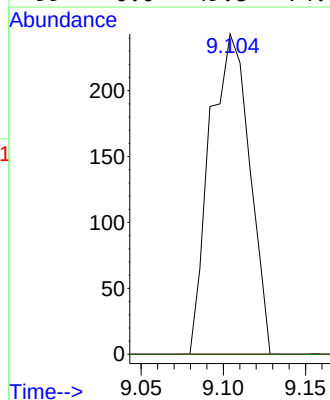
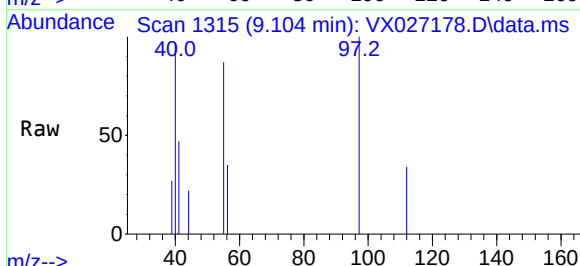
Ion Ratio Lower Upper

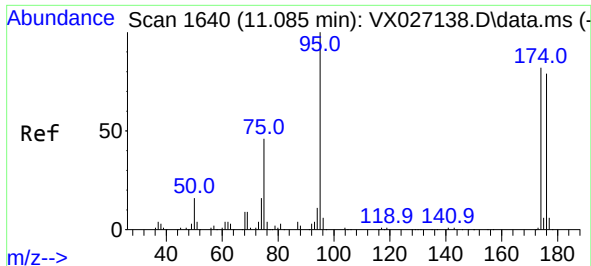
97 100

83 0.0 68.4 102.6#

85 0.0 44.0 66.0#

99 0.0 49.8 74.6#

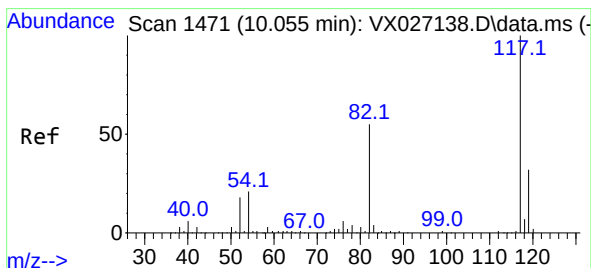
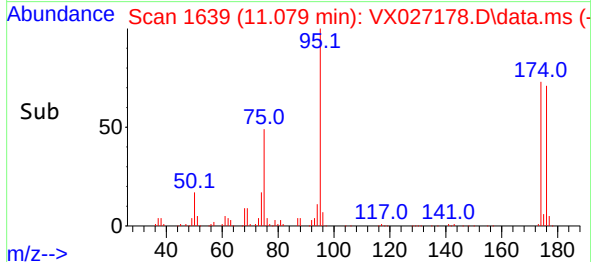
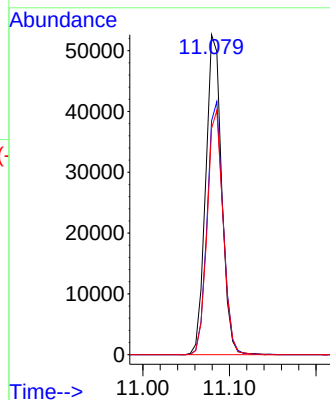
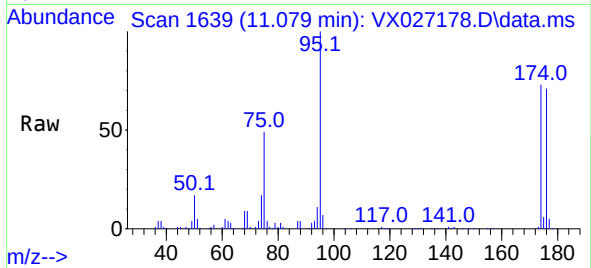




#62
4-Bromofluorobenzene
Concen: 48.374 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

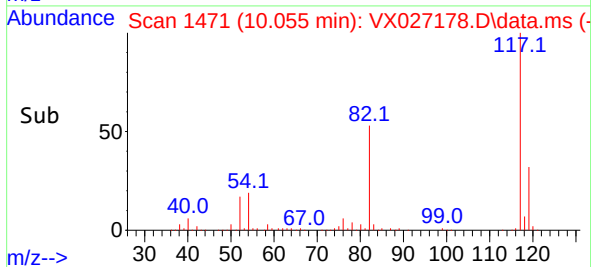
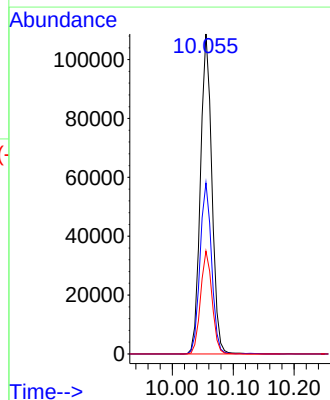
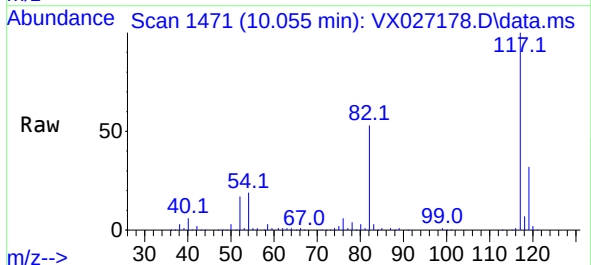
Instrument :
MSVOA_X
ClientSampleId :
PURGED-WATER

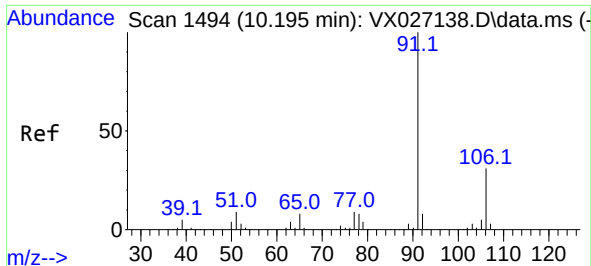
Tgt Ion: 95 Resp: 67251
Ion Ratio Lower Upper
95 100
174 78.8 0.0 148.6
176 76.3 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

Tgt Ion: 117 Resp: 141325
Ion Ratio Lower Upper
117 100
82 53.5 45.2 67.8
119 32.1 26.2 39.2





#67

Ethyl Benzene

Concen: 0.233 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX027178.D

Acq: 24 Feb 2022 18:23

Instrument :

MSVOA_X

ClientSampleId :

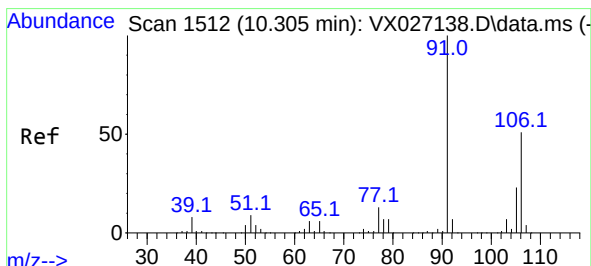
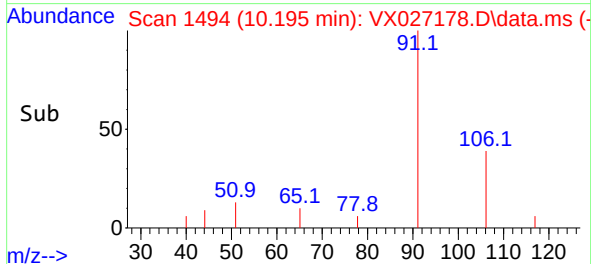
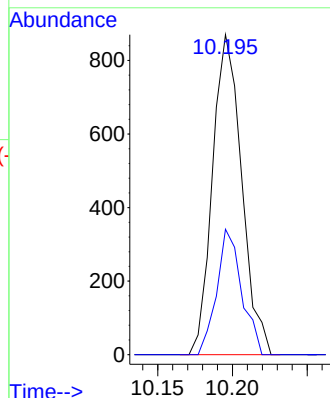
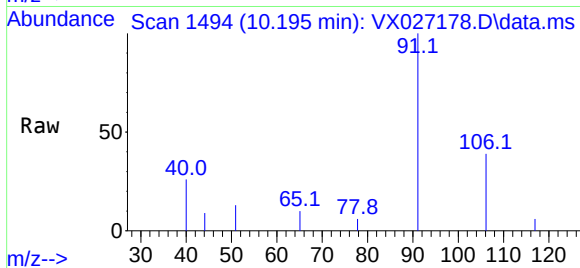
PURGED-WATER

Tgt Ion: 91 Resp: 1179

Ion Ratio Lower Upper

91 100

106 39.2 24.7 37.1#



#68

m/p-Xylenes

Concen: 0.369 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX027178.D

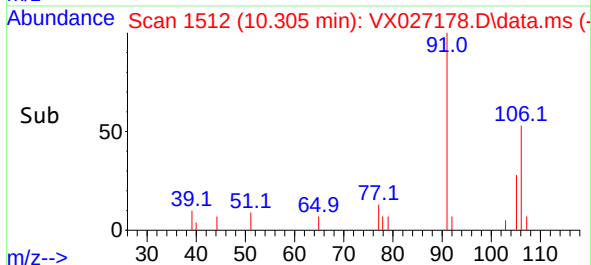
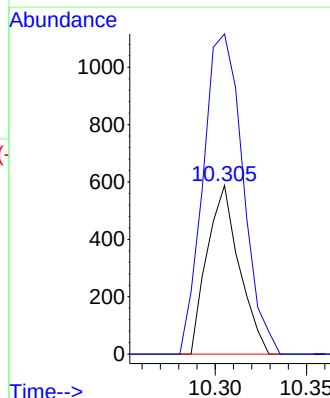
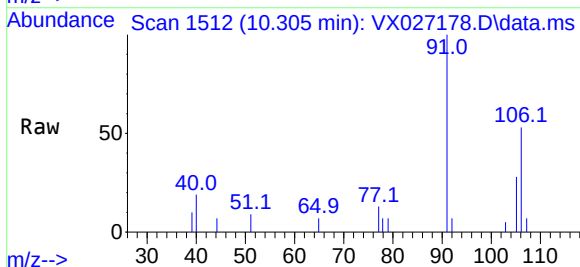
Acq: 24 Feb 2022 18:23

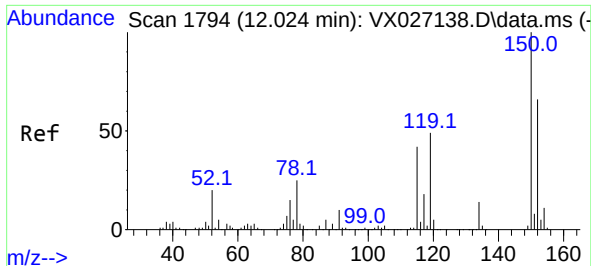
Tgt Ion: 106 Resp: 717

Ion Ratio Lower Upper

106 100

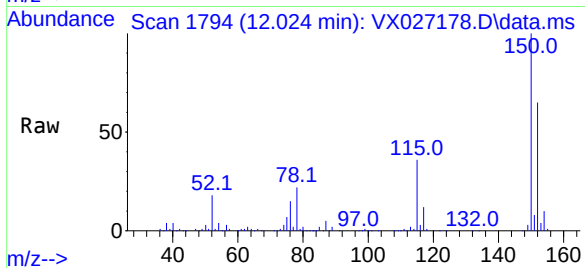
91 235.4 165.3 247.9



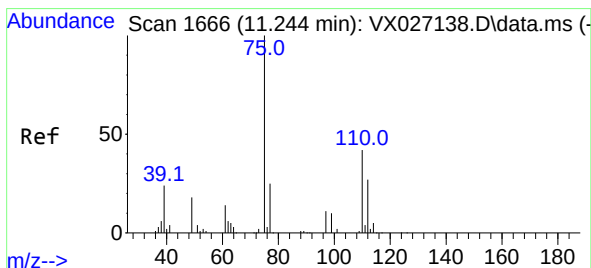
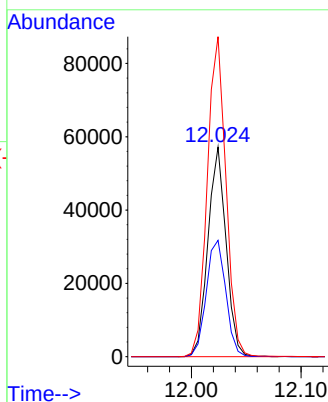
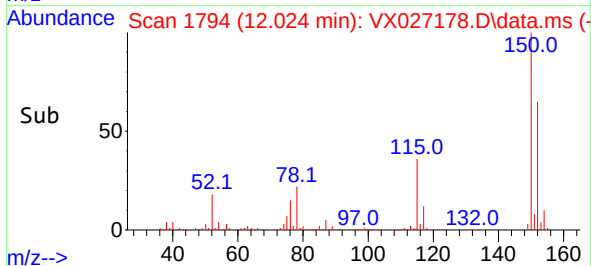


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

Instrument :
MSVOA_X
ClientSampleId :
PURGED-WATER

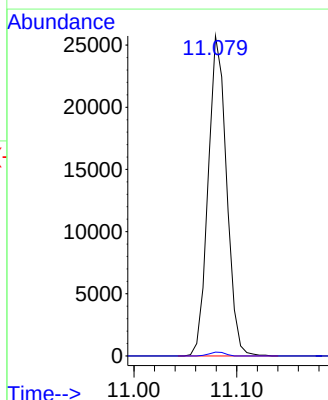
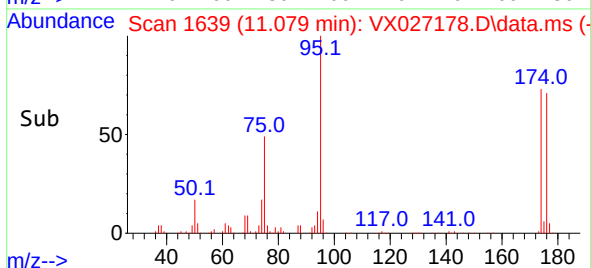
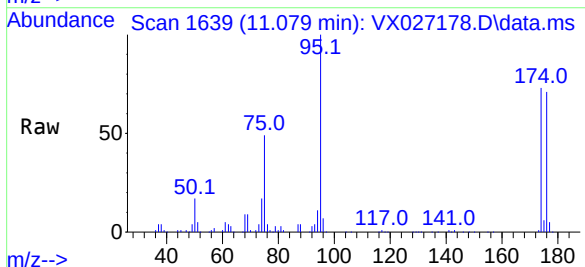


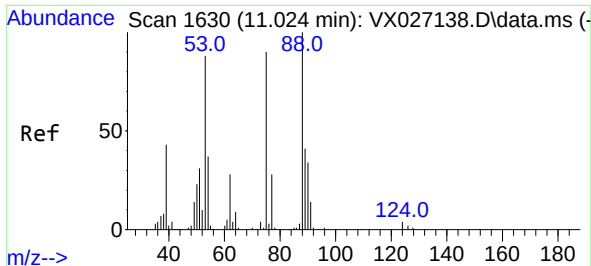
Tgt Ion:152 Resp: 65736
Ion Ratio Lower Upper
152 100
115 59.9 44.2 132.6
150 157.3 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 24.200 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

Tgt Ion: 75 Resp: 32043
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#

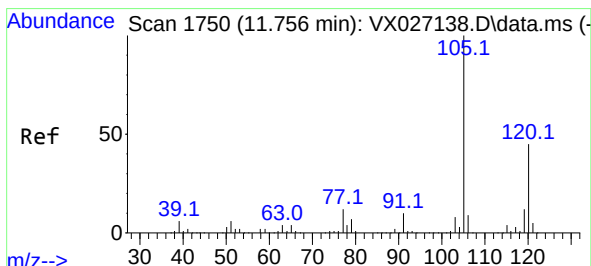
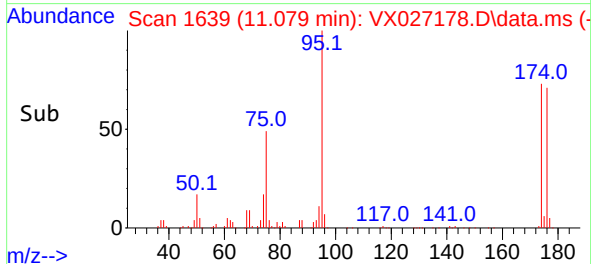
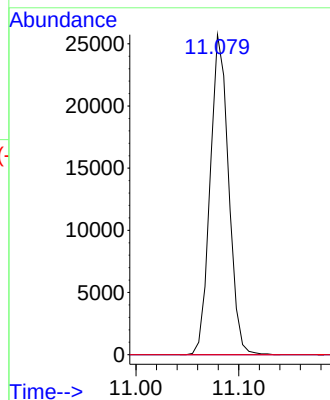
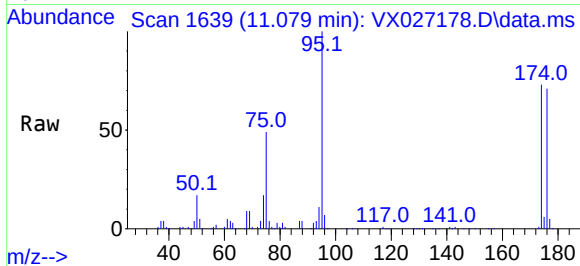




#81
trans-1,4-Dichloro-2-butene
Concen: 68.699 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

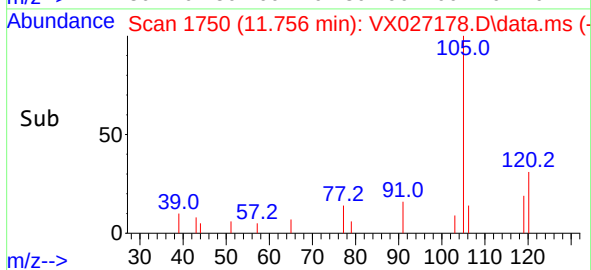
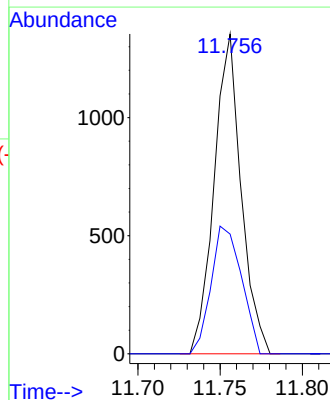
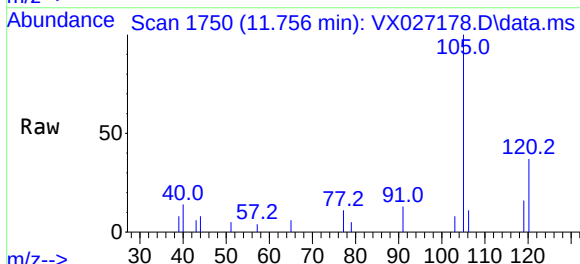
Instrument :
MSVOA_X
ClientSampleId :
PURGED-WATER

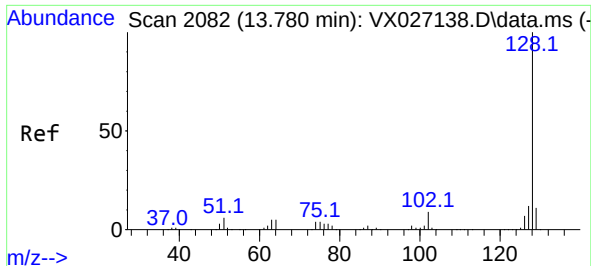
Tgt Ion: 75 Resp: 32043
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.392 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

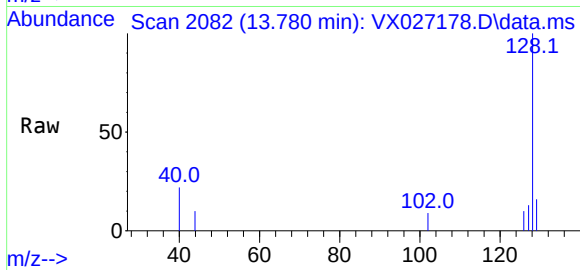
Tgt Ion:105 Resp: 1544
Ion Ratio Lower Upper
105 100
120 45.0 21.9 65.5





#95
Naphthalene
Concen: 0.246 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX027178.D
Acq: 24 Feb 2022 18:23

Instrument :
MSVOA_X
ClientSampleId :
PURGED-WATER



Tgt Ion:128 Resp: 1136
Ion Ratio Lower Upper
128 100
127 8.6 10.3 15.5#
129 13.1 8.7 13.1#

