

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
 Data File : VU052792.D
 Acq On : 24 Jan 2023 15:27
 Operator : JC/MD
 Sample : 01245-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Quant Time: Jan 25 01:38:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jan 24 05:16:59 2023
 Response via : Initial Calibration

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

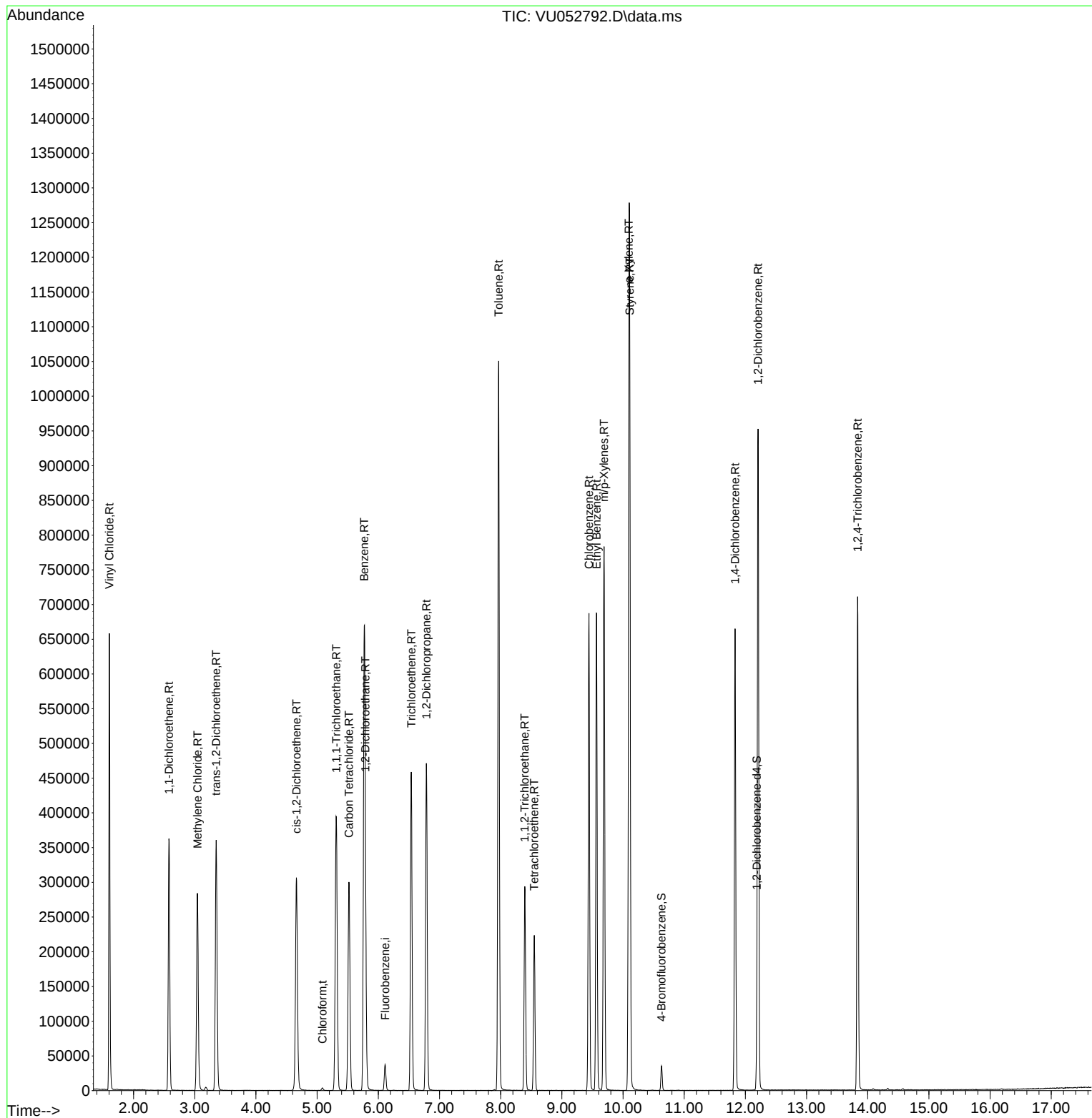
Internal Standards						
1) Fluorobenzene	6.112	96	35971	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	11670	0.975	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.189	152	12779	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.604	62	461630	41.382	ug/l	99
9) 1,1-Dichloroethene	2.578	96	129668	15.448	ug/l	97
15) Methylene Chloride	3.044	84	145143	14.317	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	158155	16.936	ug/l	98
22) cis-1,2-Dichloroethene	4.662	96	164518	16.856	ug/l	89
27) Chloroform	5.086	83	3460	0.205	ug/l	89
28) 1,1,1-Trichloroethane	5.314	97	295225	18.913	ug/l	98
30) Carbon Tetrachloride	5.520	117	211734	14.949	ug/l	99
35) Benzene	5.771	78	586872	15.369	ug/l	100
36) 1,2-Dichloroethane	5.790	62	173953	15.167	ug/l	100
37) Trichloroethene	6.539	130	161783	15.541	ug/l	100
38) 1,2-Dichloropropane	6.787	63	174820	18.045	ug/l	99
49) Toluene	7.967	92	435832	18.798	ug/l	98
52) 1,1,2-Trichloroethane	8.395	97	90087	12.919	ug/l	98
58) Tetrachloroethene	8.549	164	51125	5.442	ug/l	97
59) Chlorobenzene	9.443	112	370280	14.674	ug/l	98
63) Ethyl Benzene	9.568	91	469786	11.494	ug/l	100
64) m/p-Xylenes	9.690	106	230267	14.130	ug/l	99
65) o-Xylene	10.095	106	223568	14.218	ug/l	100
66) Styrene	10.112	104	388764	12.705	ug/l	100
83) 1,4-Dichlorobenzene	11.832	146	272765	13.094	ug/l	99
85) 1,2-Dichlorobenzene	12.208	146	391505	19.994	ug/l	99
87) 1,2,4-Trichlorobenzene	13.835	180	222287	18.927	ug/l	98

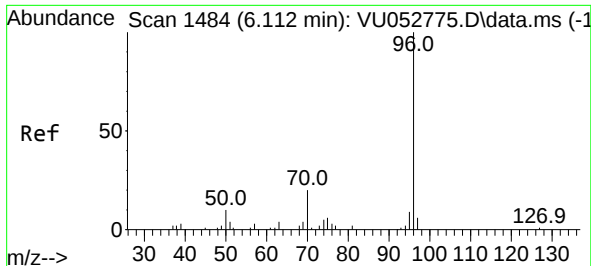
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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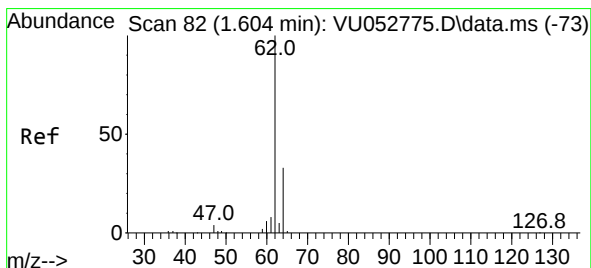
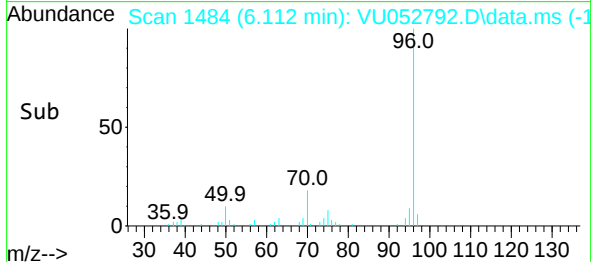
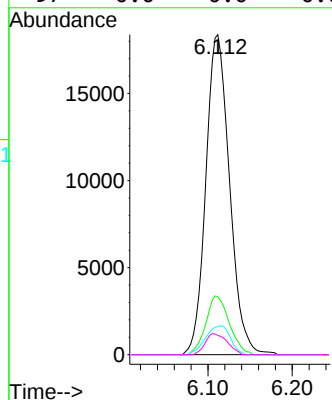
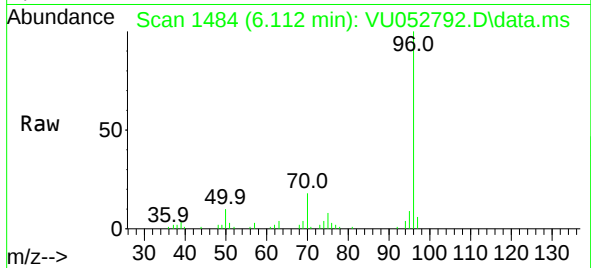




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.112 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

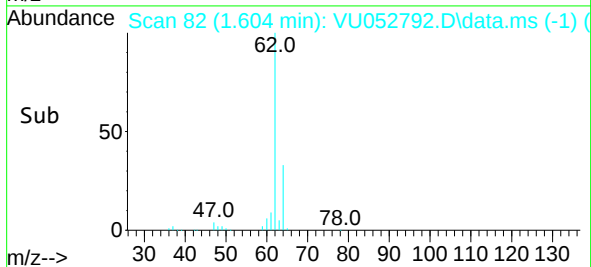
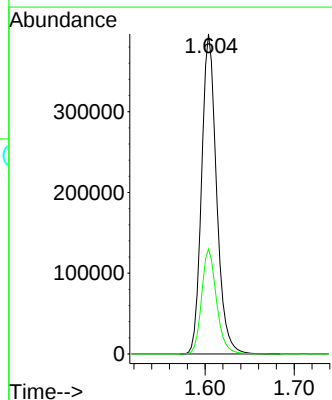
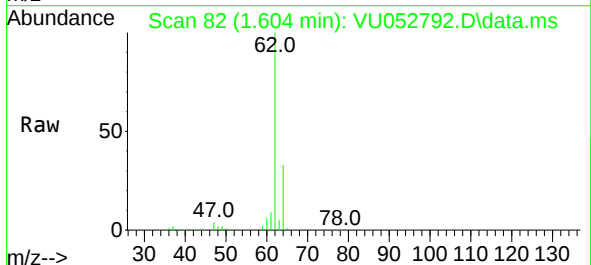
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

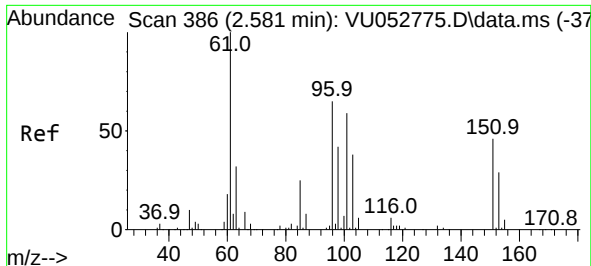
Tgt Ion: 96	Resp: 35971
Ion Ratio	Lower Upper
96 100	
70 18.2	16.2 24.4
95 9.4	7.4 11.0
97 0.0	0.0 0.0



#4
Vinyl Chloride
Concen: 41.382 ug/l
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

Tgt Ion: 62	Resp: 461630
Ion Ratio	Lower Upper
62 100	
64 32.8	26.0 39.0

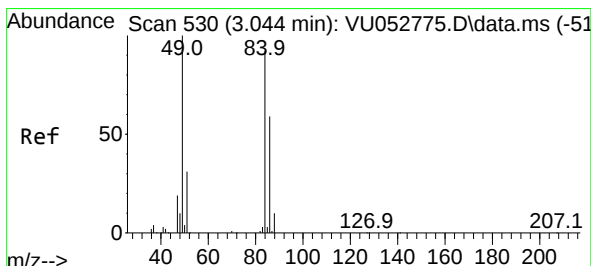
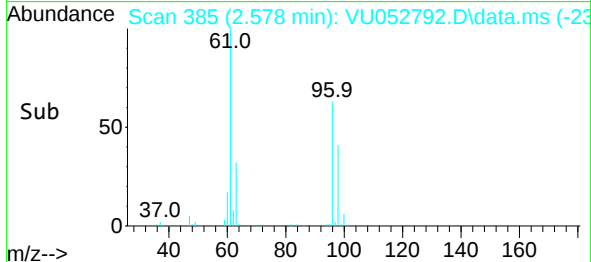
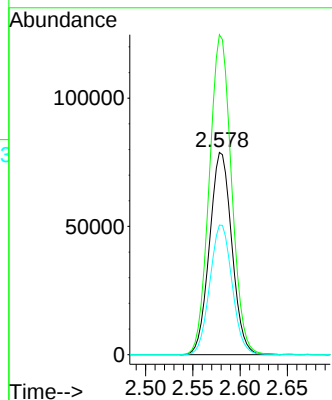
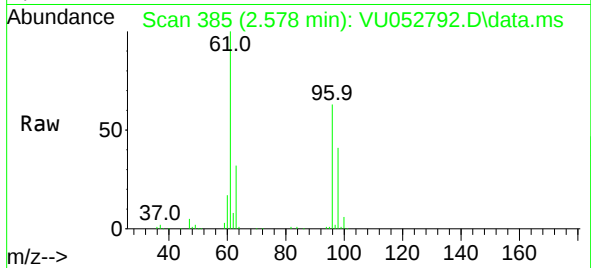




#9
1,1-Dichloroethene
Concen: 15.448 ug/l
RT: 2.578 min Scan# 386
Delta R.T. -0.003 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

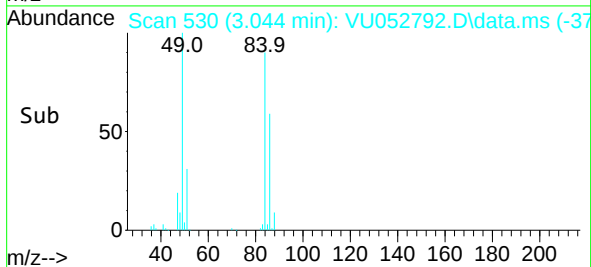
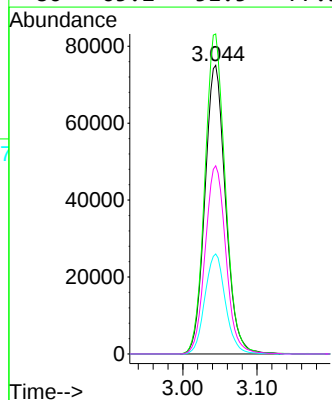
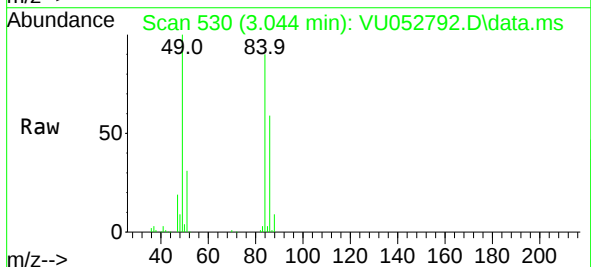
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

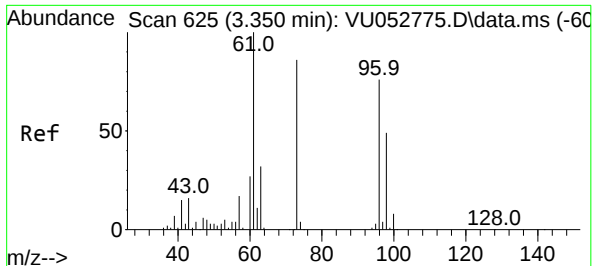
Tgt Ion: 96 Resp: 129668
Ion Ratio Lower Upper
96 100
61 158.2 0.0 460.5
98 64.1 0.0 128.0



#15
Methylene Chloride
Concen: 14.317 ug/l
RT: 3.044 min Scan# 530
Delta R.T. -0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

Tgt Ion: 84 Resp: 145143
Ion Ratio Lower Upper
84 100
49 110.9 86.7 130.1
51 34.7 0.0 66.8
86 65.2 51.5 77.3

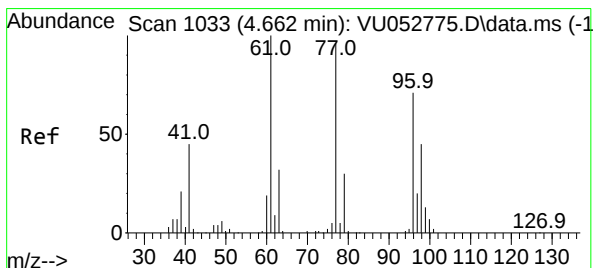
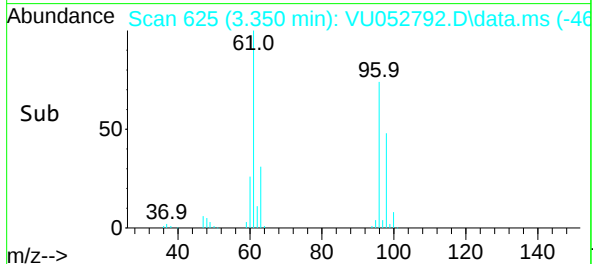
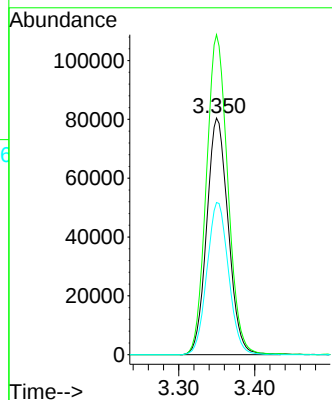
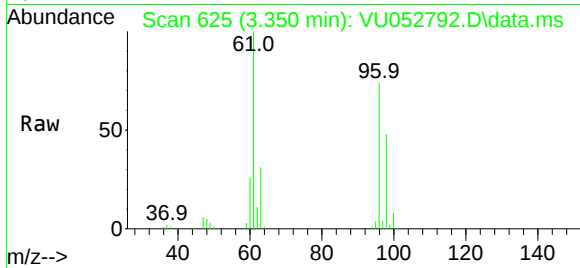




#16
trans-1,2-Dichloroethene
Concen: 16.936 ug/l
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

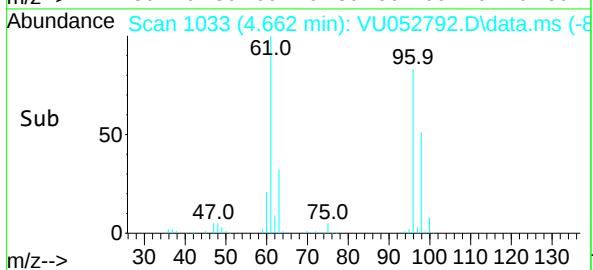
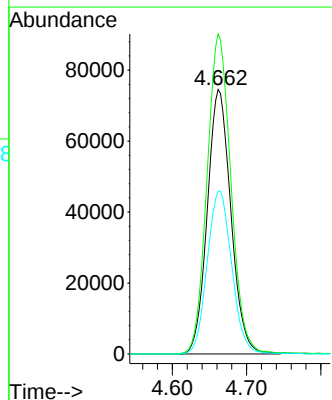
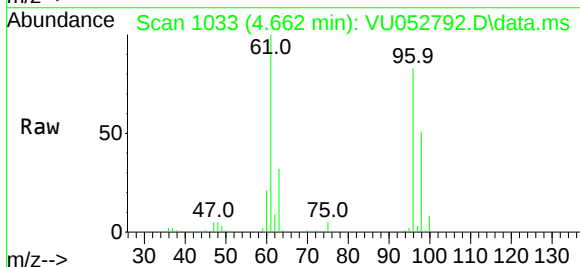
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

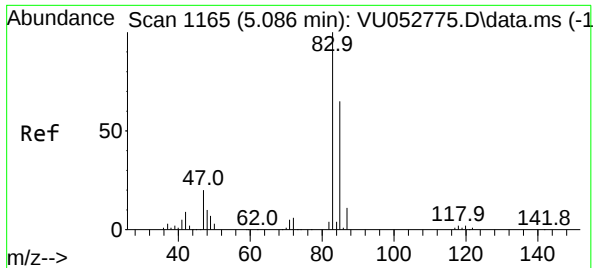
Tgt Ion: 96 Resp: 158155
Ion Ratio Lower Upper
96 100
61 135.2 105.7 158.5
98 64.3 51.4 77.2



#22
cis-1,2-Dichloroethene
Concen: 16.856 ug/l
RT: 4.662 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

Tgt Ion: 96 Resp: 164518
Ion Ratio Lower Upper
96 100
61 122.5 0.0 353.3
98 63.9 32.6 97.7





#27

Chloroform

Concen: 0.205 ug/l

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU052792.D

Acq: 24 Jan 2023 15:27

Instrument :

MSVOA_U

ClientSampleId :

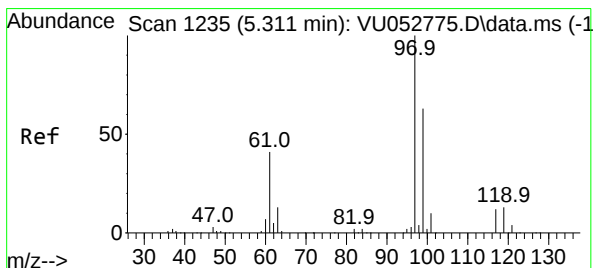
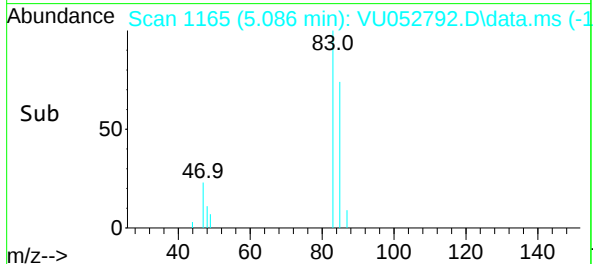
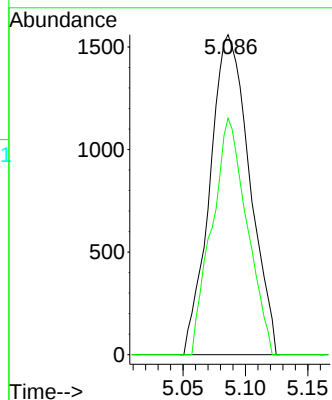
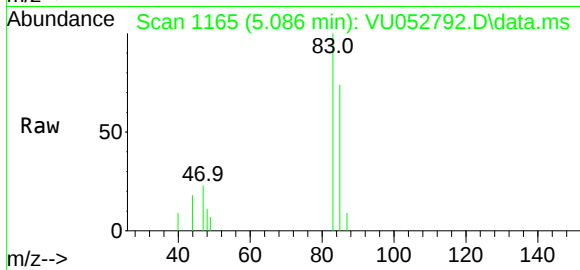
PT-RVOA-WS

Tgt Ion: 83 Resp: 3460

Ion Ratio Lower Upper

83 100

85 73.9 0.0 130.6



#28

1,1,1-Trichloroethane

Concen: 18.913 ug/l

RT: 5.314 min Scan# 1236

Delta R.T. 0.003 min

Lab File: VU052792.D

Acq: 24 Jan 2023 15:27

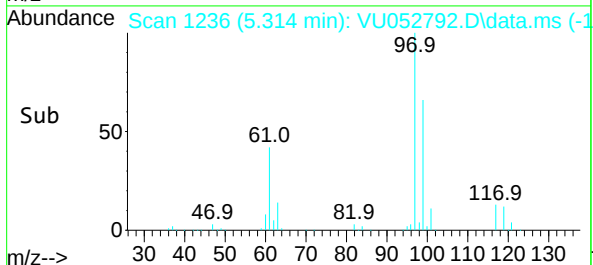
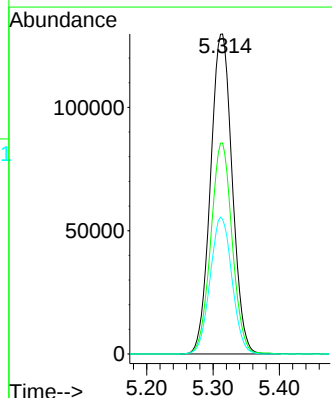
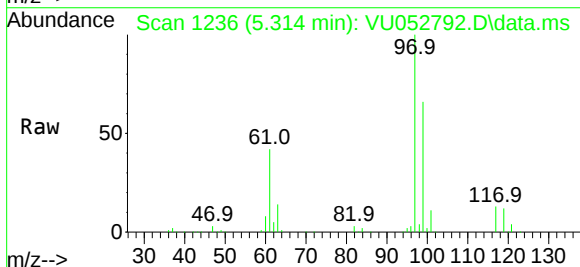
Tgt Ion: 97 Resp: 295225

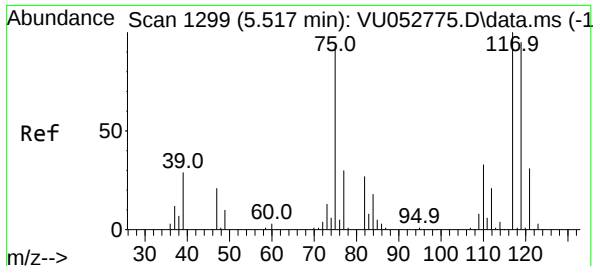
Ion Ratio Lower Upper

97 100

99 65.1 31.9 95.5

61 43.0 20.8 62.2

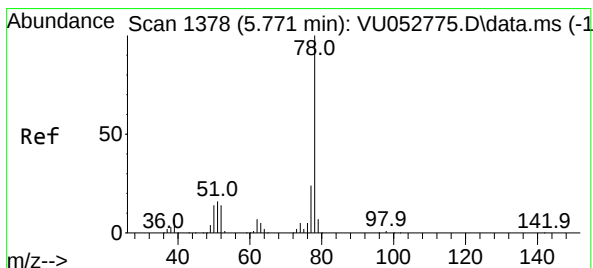
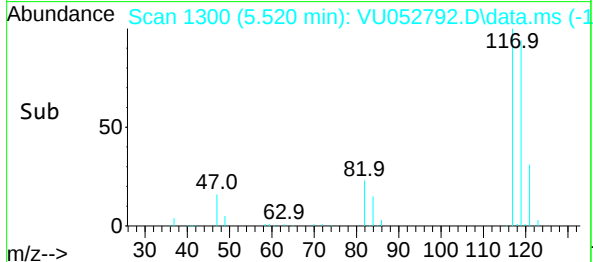
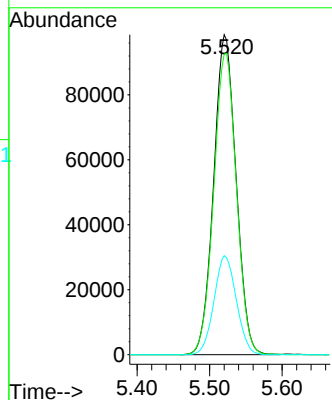
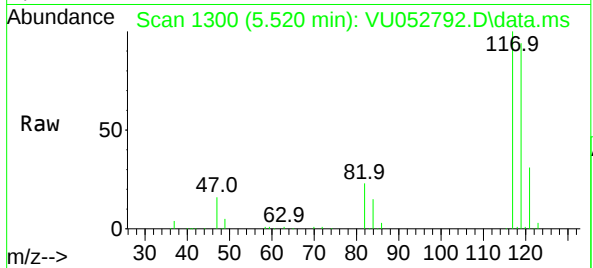




#30
Carbon Tetrachloride
Concen: 14.949 ug/l
RT: 5.520 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

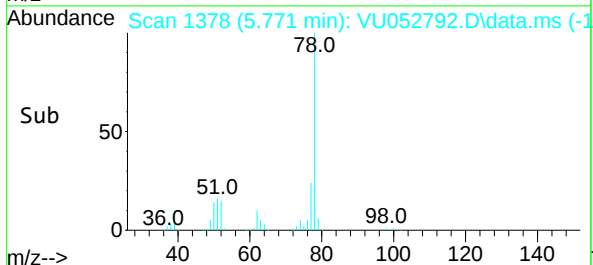
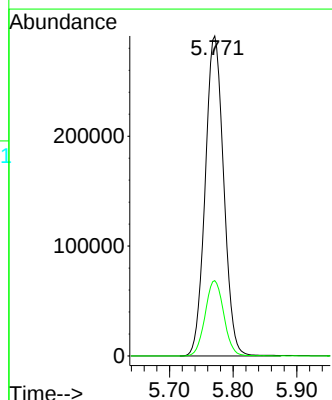
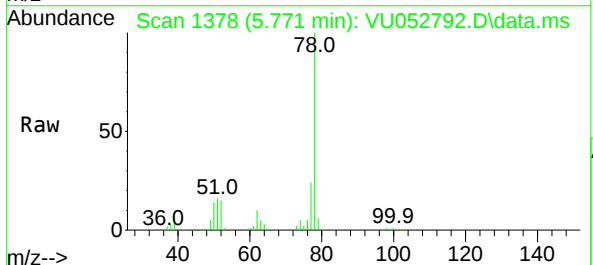
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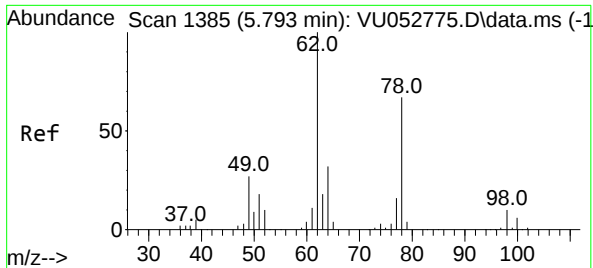
Tgt Ion:117 Resp: 211734
Ion Ratio Lower Upper
117 100
119 93.9 76.4 114.6
121 31.0 25.0 37.6



#35
Benzene
Concen: 15.369 ug/l
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

Tgt Ion: 78 Resp: 586872
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4





#36

1,2-Dichloroethane

Concen: 15.167 ug/l

RT: 5.790 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU052792.D

Acq: 24 Jan 2023 15:27

Instrument :

MSVOA_U

ClientSampleId :

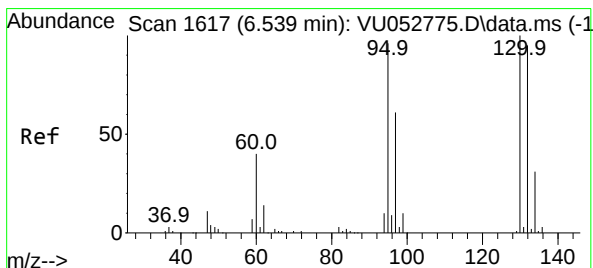
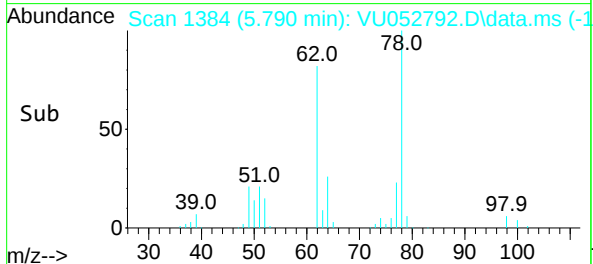
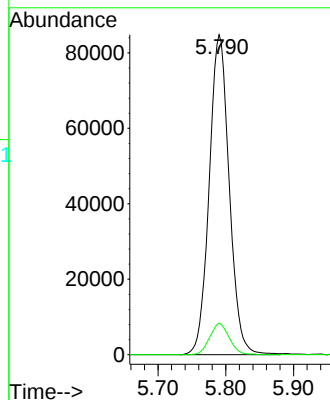
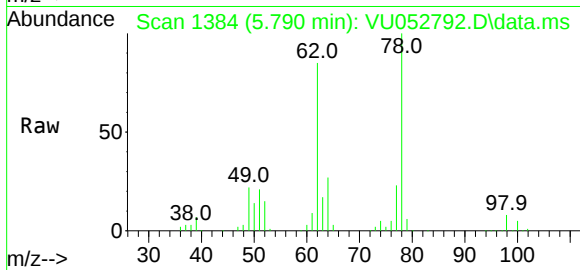
PT-RVOA-WS

Tgt Ion: 62 Resp: 173953

Ion Ratio Lower Upper

62 100

98 9.5 7.5 11.3



#37

Trichloroethene

Concen: 15.541 ug/l

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU052792.D

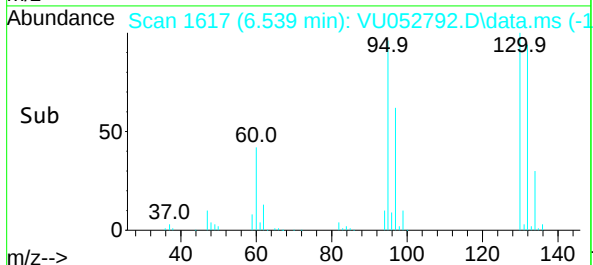
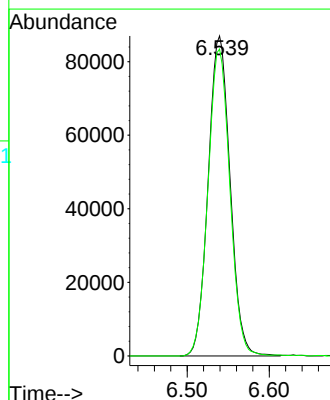
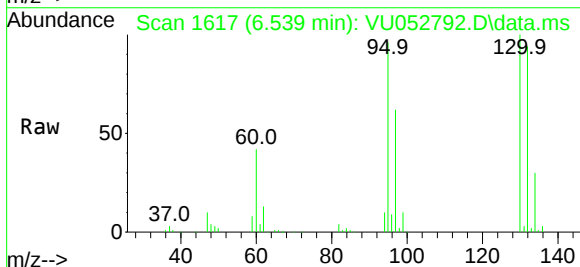
Acq: 24 Jan 2023 15:27

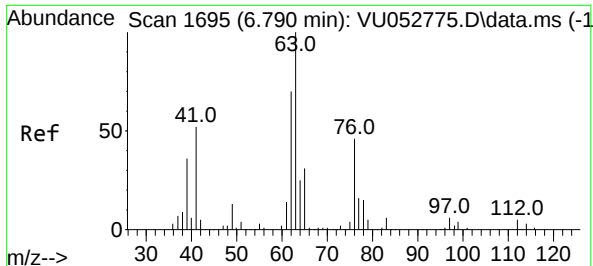
Tgt Ion:130 Resp: 161783

Ion Ratio Lower Upper

130 100

95 95.9 76.6 114.8





#38

1,2-Dichloropropane

Concen: 18.045 ug/l

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052792.D

Acq: 24 Jan 2023 15:27

Instrument :

MSVOA_U

ClientSampleId :

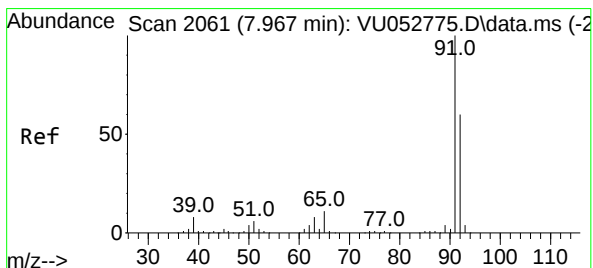
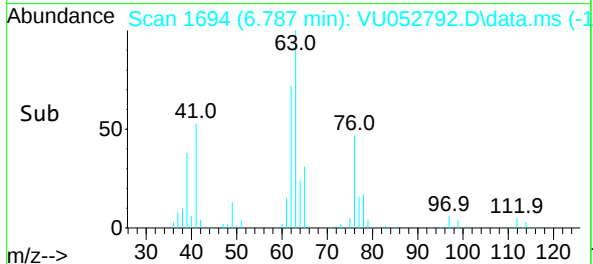
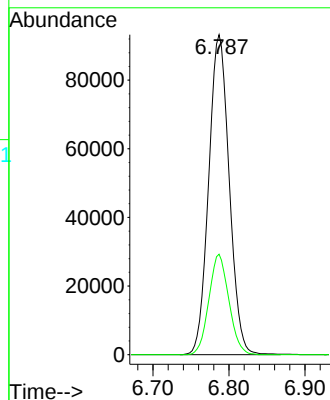
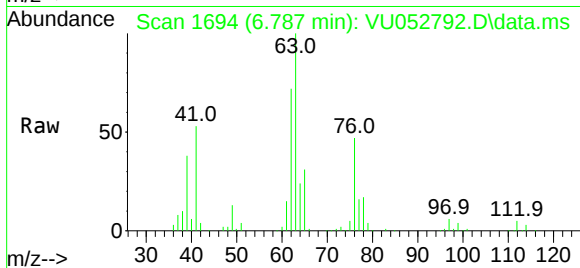
PT-RVOA-WS

Tgt Ion: 63 Resp: 174820

Ion Ratio Lower Upper

63 100

65 31.4 24.6 36.8



#49

Toluene

Concen: 18.798 ug/l

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052792.D

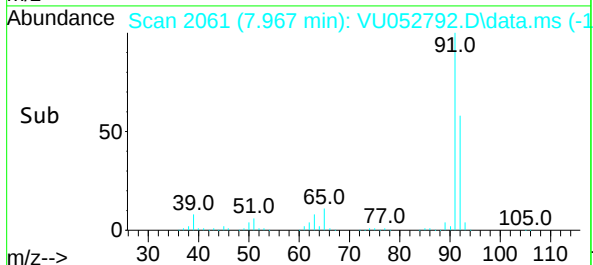
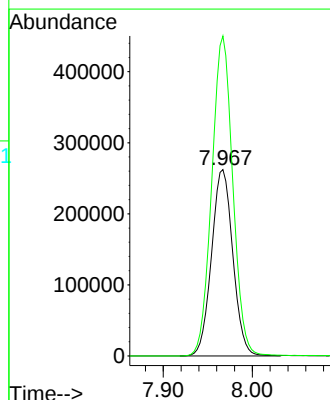
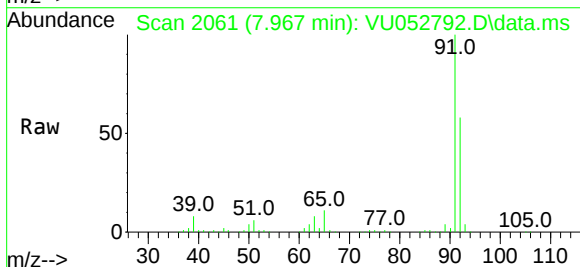
Acq: 24 Jan 2023 15:27

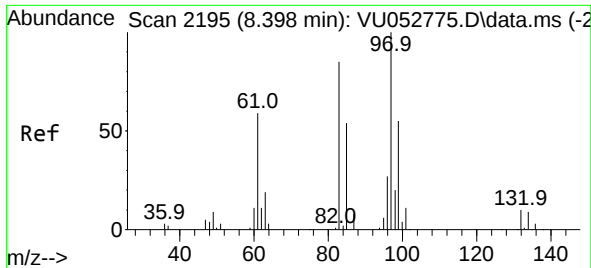
Tgt Ion: 92 Resp: 435832

Ion Ratio Lower Upper

92 100

91 169.6 133.8 200.8





#52

1,1,2-Trichloroethane

Concen: 12.919 ug/l

RT: 8.395 min Scan# 2195

Delta R.T. -0.003 min

Lab File: VU052792.D

Acq: 24 Jan 2023 15:27

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

Tgt Ion: 97 Resp: 90087

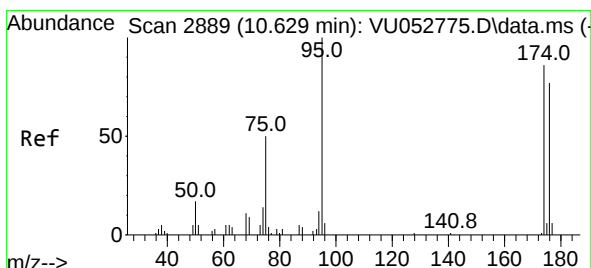
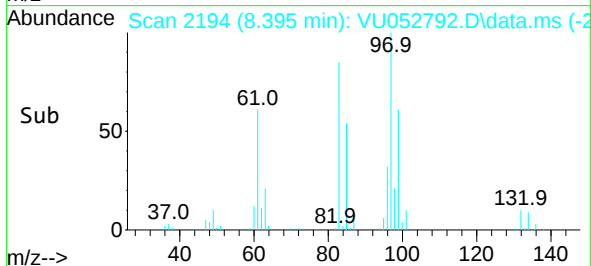
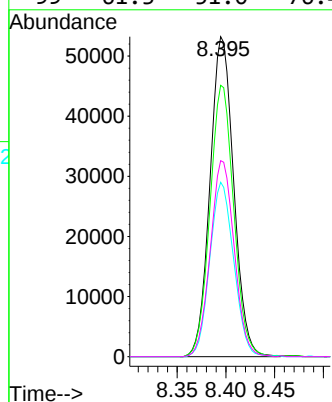
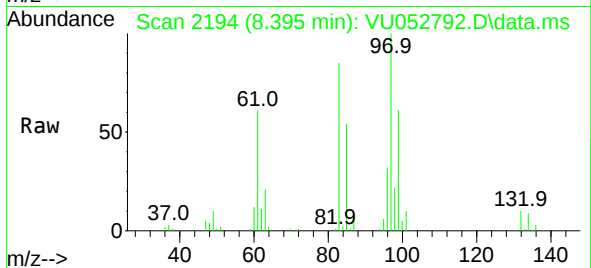
Ion Ratio Lower Upper

97 100

83 84.8 68.2 102.2

85 54.5 44.5 66.7

99 61.3 51.0 76.4



#57

4-Bromofluorobenzene

Concen: 0.975 ug/l

RT: 10.629 min Scan# 2889

Delta R.T. 0.000 min

Lab File: VU052792.D

Acq: 24 Jan 2023 15:27

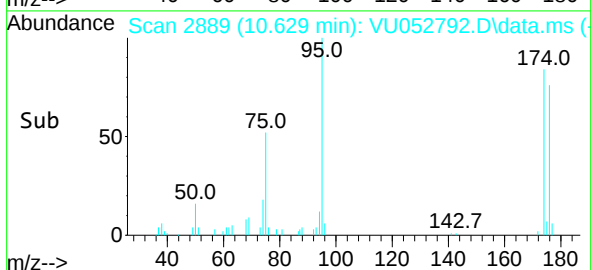
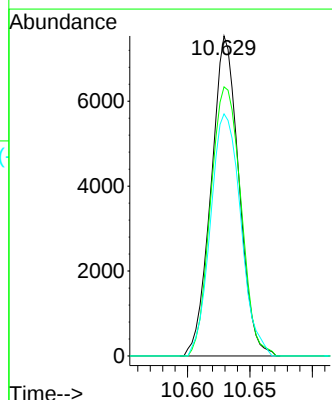
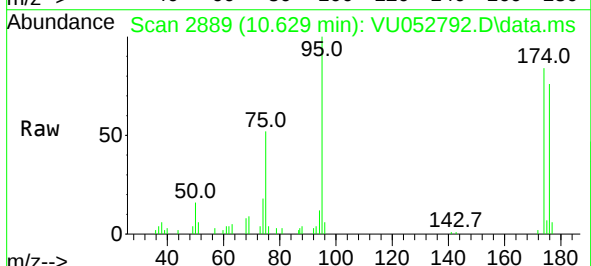
Tgt Ion: 95 Resp: 11670

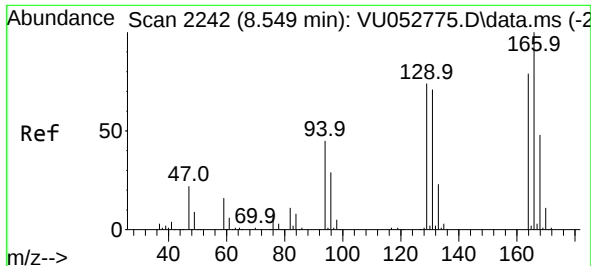
Ion Ratio Lower Upper

95 100

174 91.6 66.9 100.3

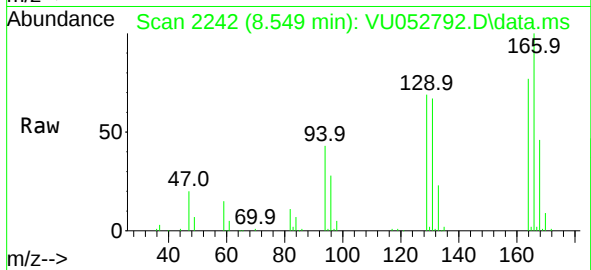
176 82.3 61.9 92.9



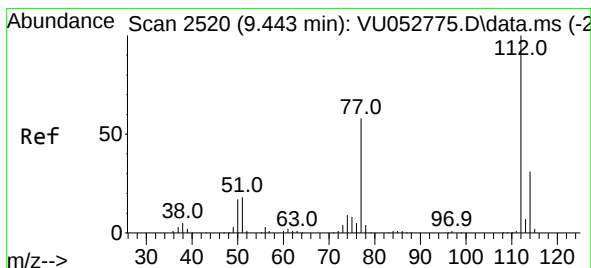
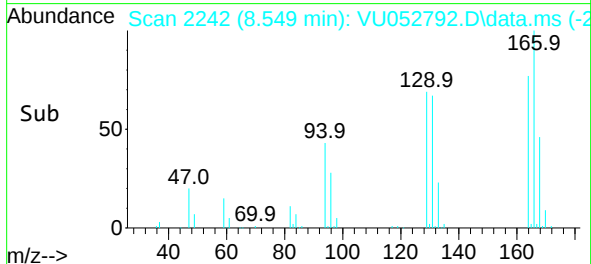
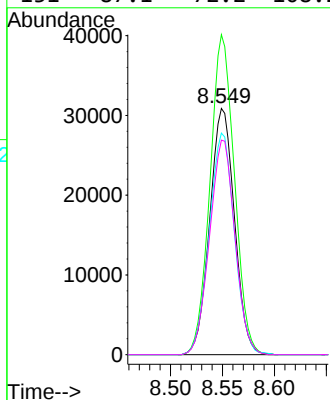


#58
Tetrachloroethene
Concen: 5.442 ug/l
RT: 8.549 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

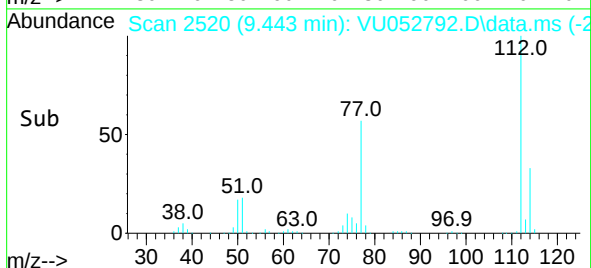
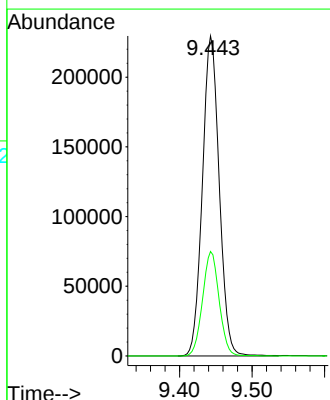
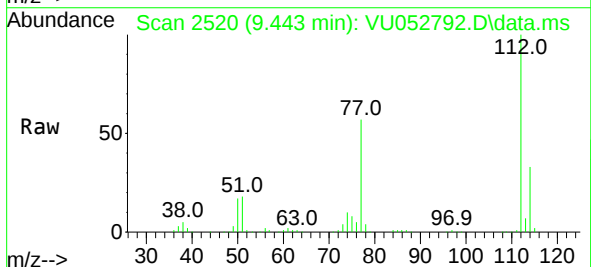


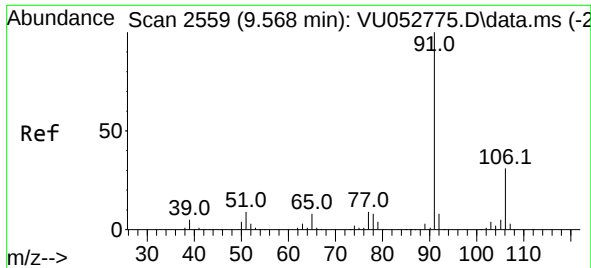
Tgt Ion:164 Resp: 51125
Ion Ratio Lower Upper
164 100
166 129.9 101.5 152.3
129 90.0 75.2 112.8
131 87.1 72.2 108.2



#59
Chlorobenzene
Concen: 14.674 ug/l
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

Tgt Ion:112 Resp: 370280
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8

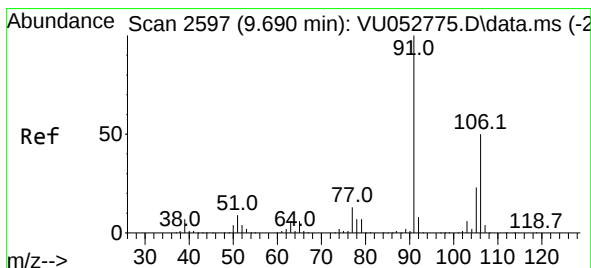
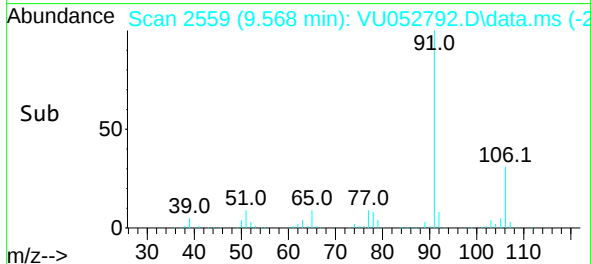
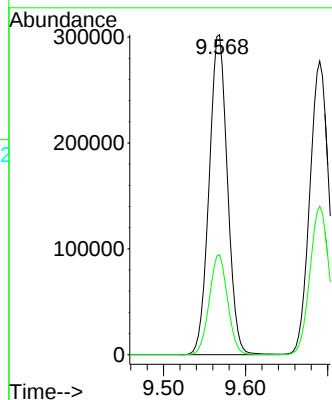
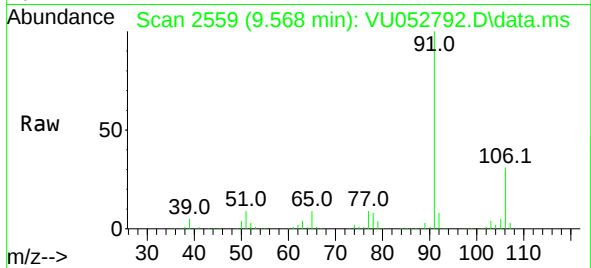




#63
Ethyl Benzene
Concen: 11.494 ug/l
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

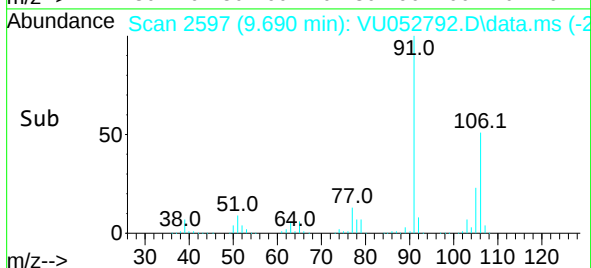
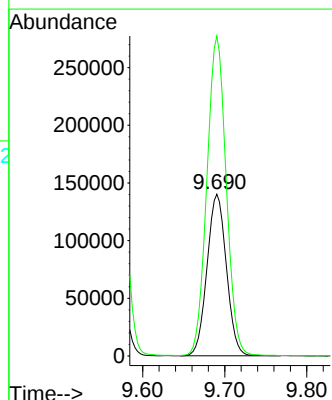
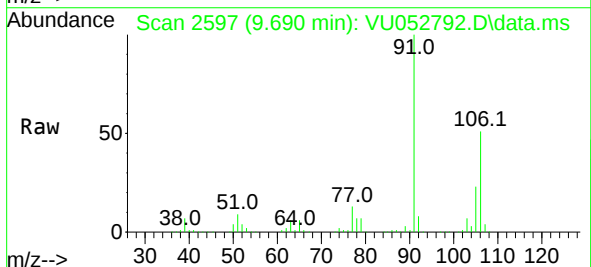
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

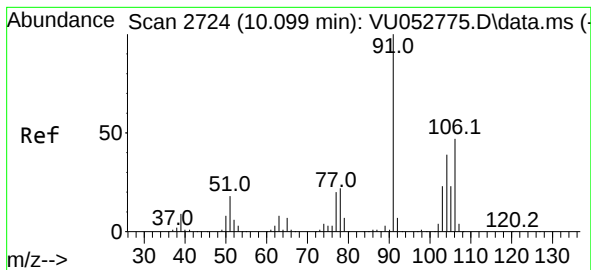
Tgt Ion: 91 Resp: 469786
Ion Ratio Lower Upper
91 100
106 31.2 25.1 37.7



#64
m/p-Xylenes
Concen: 14.130 ug/l
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

Tgt Ion: 106 Resp: 230267
Ion Ratio Lower Upper
106 100
91 197.0 158.7 238.1

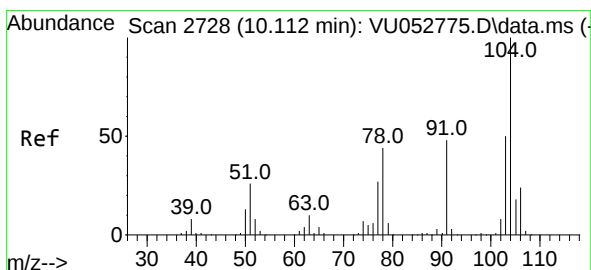
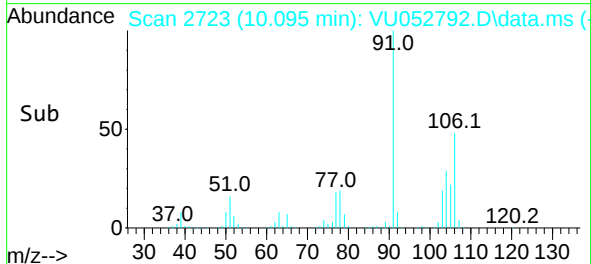
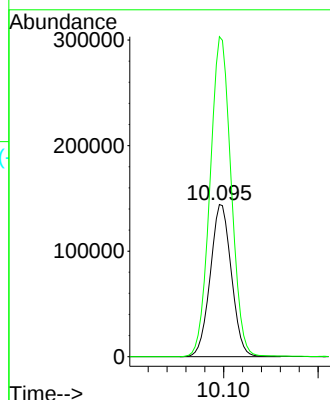
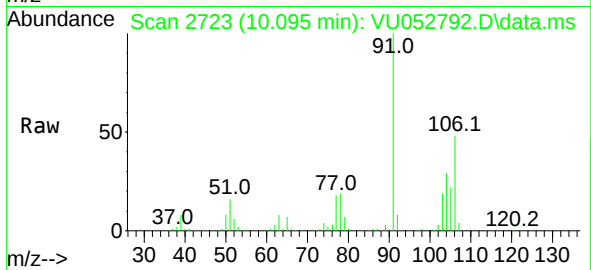




#65
o-Xylene
Concen: 14.218 ug/l
RT: 10.095 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

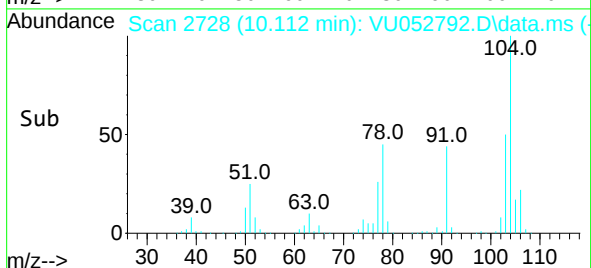
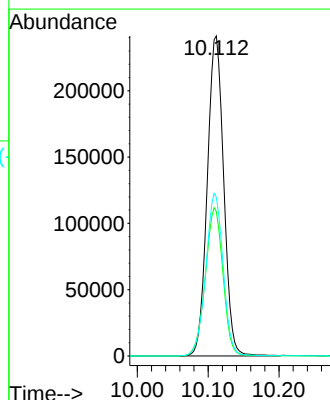
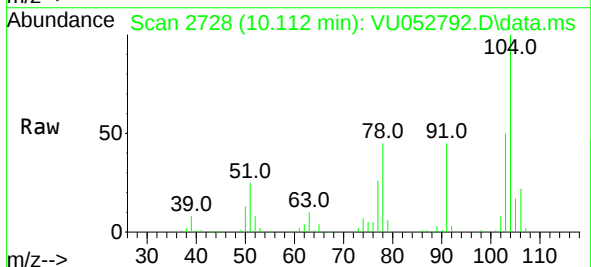
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

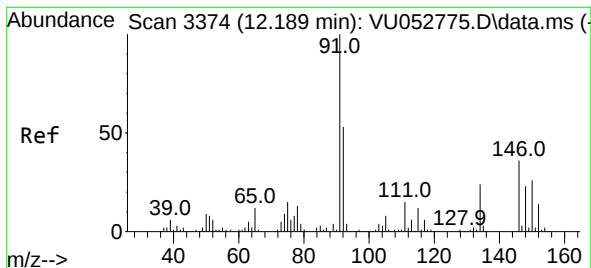
Tgt Ion:106 Resp: 223568
Ion Ratio Lower Upper
106 100
91 211.0 105.6 316.8



#66
Styrene
Concen: 12.705 ug/l
RT: 10.112 min Scan# 2728
Delta R.T. -0.000 min
Lab File: VU052792.D
Acq: 24 Jan 2023 15:27

Tgt Ion:104 Resp: 388764
Ion Ratio Lower Upper
104 100
78 49.5 39.6 59.4
103 53.7 42.9 64.3





#68

1,2-Dichlorobenzene-d4

Concen: 1.038 ug/l

RT: 12.189 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052792.D

Acq: 24 Jan 2023 15:27

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

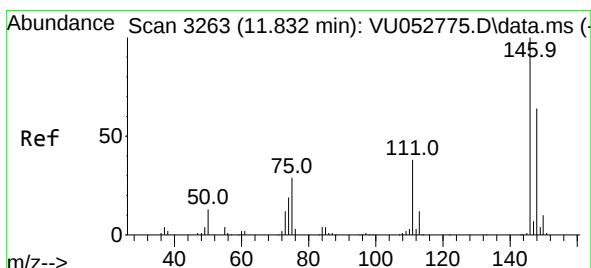
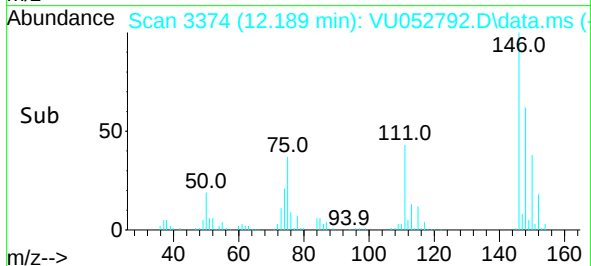
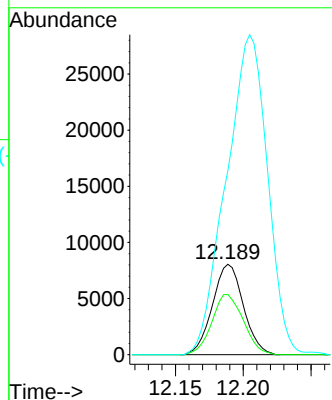
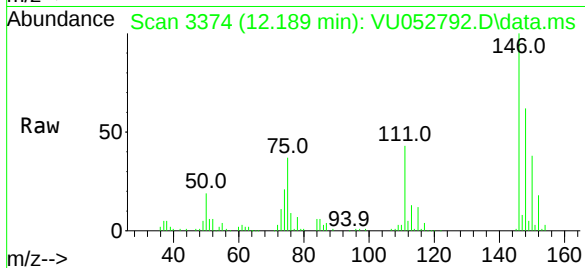
Tgt Ion:152 Resp: 12779

Ion Ratio Lower Upper

152 100

115 67.6 0.0 262.6

150 472.6 0.0 638.0



#83

1,4-Dichlorobenzene

Concen: 13.094 ug/l

RT: 11.832 min Scan# 3263

Delta R.T. 0.000 min

Lab File: VU052792.D

Acq: 24 Jan 2023 15:27

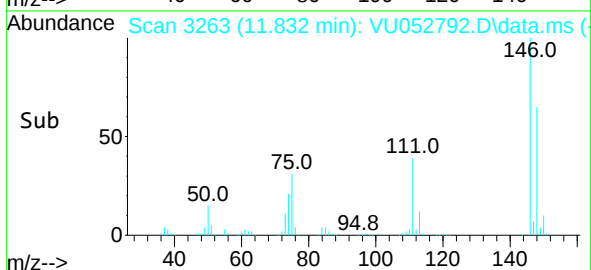
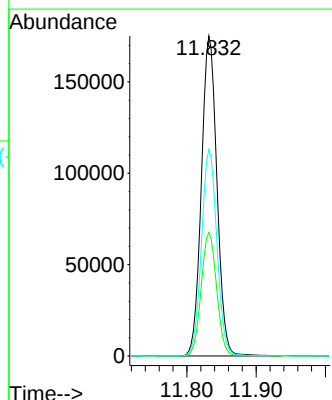
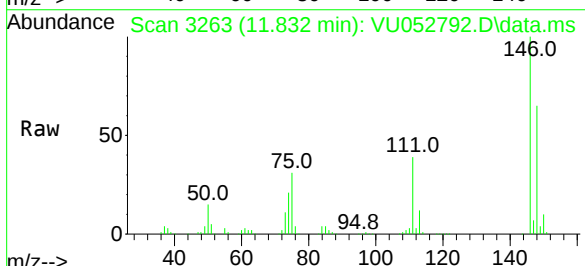
Tgt Ion:146 Resp: 272765

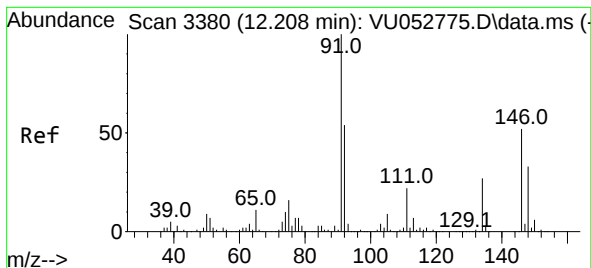
Ion Ratio Lower Upper

146 100

111 38.5 29.5 44.3

148 64.4 51.4 77.0





#85

1,2-Dichlorobenzene

Concen: 19.994 ug/l

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052792.D

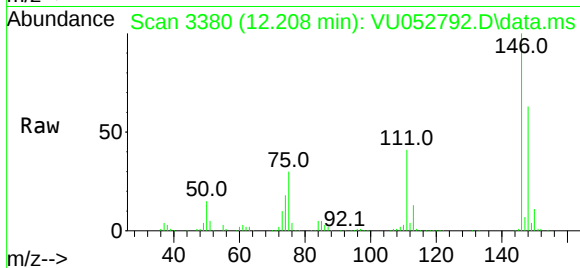
Acq: 24 Jan 2023 15:27

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS



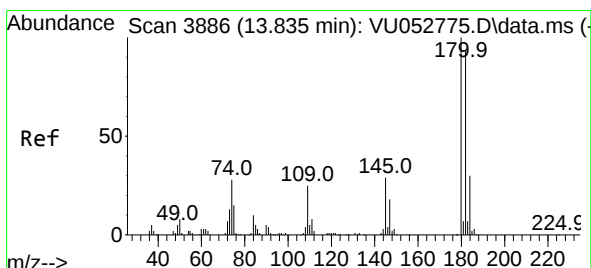
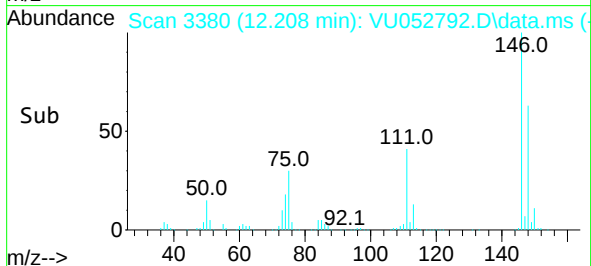
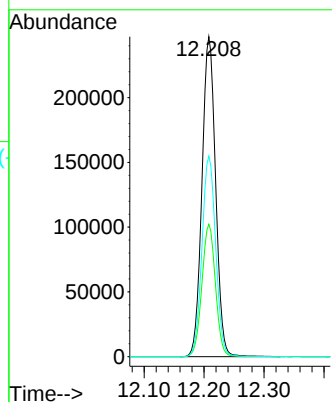
Tgt Ion:146 Resp: 391505

Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.5

148 63.0 31.4 94.2



#87

1,2,4-Trichlorobenzene

Concen: 18.927 ug/l

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU052792.D

Acq: 24 Jan 2023 15:27

Tgt Ion:180 Resp: 222287

Ion Ratio Lower Upper

180 100

182 95.3 74.6 112.0

145 29.8 23.4 35.0

