

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021422\
 Data File : VU047138.D
 Acq On : 14 Feb 2022 17:59
 Operator : SY/MD
 Sample : N1205-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Quant Time: Feb 15 03:52:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021422DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 15 03:17:28 2022
 Response via : Initial Calibration

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

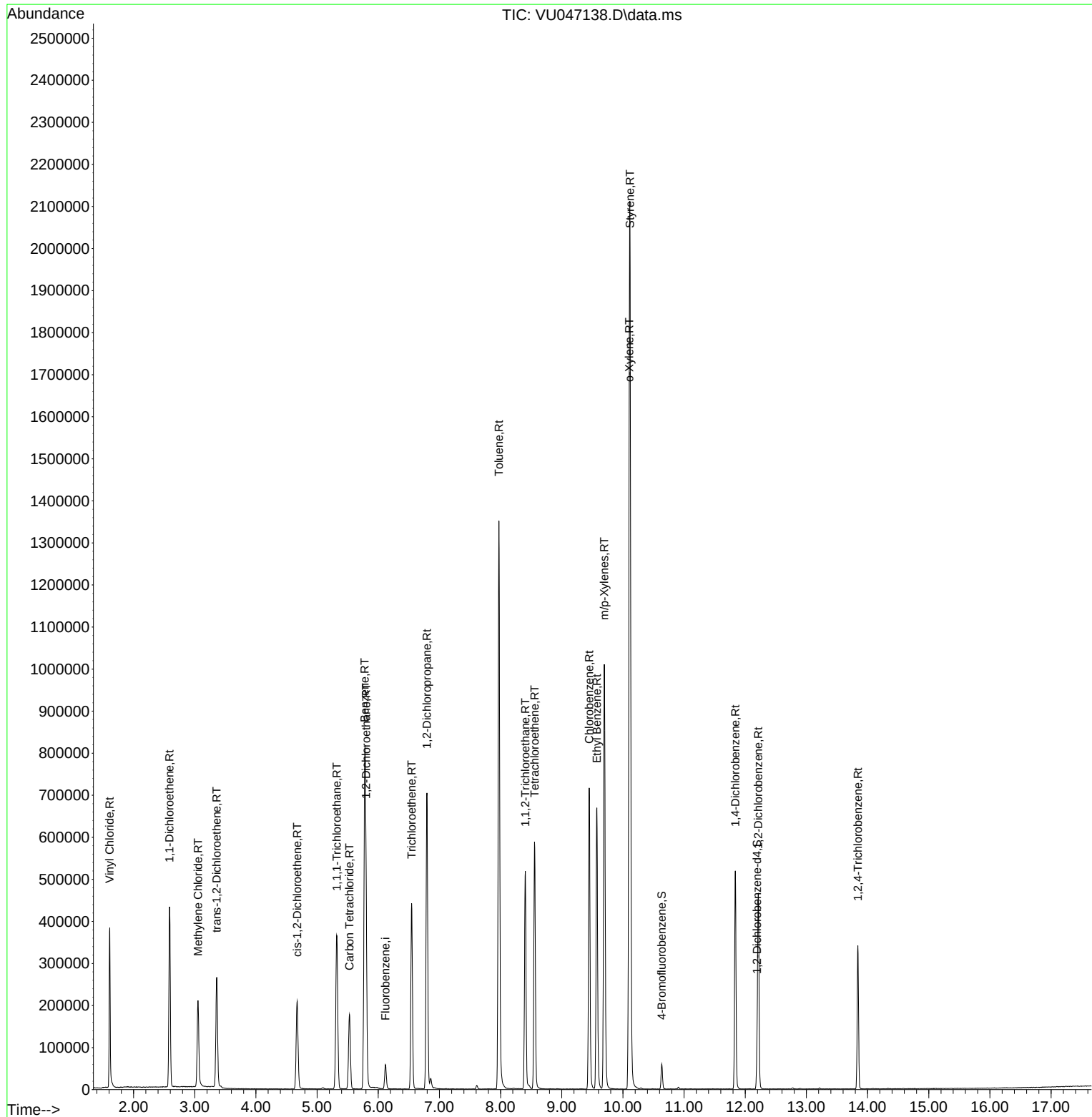
Internal Standards						
1) Fluorobenzene	6.118	96	54248	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	20880	0.994	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	20919	0.956	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.610	62	278905	15.208	ug/l	98
9) 1,1-Dichloroethene	2.588	96	144396	11.261	ug/l	99
15) Methylene Chloride	3.054	84	101390	7.040	ug/l	99
16) trans-1,2-Dichloroethene	3.359	96	106651	7.881	ug/l	99
22) cis-1,2-Dichloroethene	4.674	96	110851	7.122	ug/l	85
28) 1,1,1-Trichloroethane	5.321	97	264747	12.155	ug/l	97
30) Carbon Tetrachloride	5.530	117	120088	6.271	ug/l	98
35) Benzene	5.777	78	638543	11.428	ug/l	100
36) 1,2-Dichloroethane	5.800	62	342270	20.232	ug/l	100
37) Trichloroethene	6.546	130	151838	9.815	ug/l	95
38) 1,2-Dichloropropane	6.796	63	275459	18.629	ug/l	99
49) Toluene	7.973	92	598399	16.602	ug/l	97
52) 1,1,2-Trichloroethane	8.404	97	165915	14.583	ug/l	99
58) Tetrachloroethene	8.555	164	135841	9.516	ug/l	98
59) Chlorobenzene	9.449	112	400946	9.977	ug/l	100
63) Ethyl Benzene	9.574	91	512432	7.254	ug/l	99
64) m/p-Xylenes	9.697	106	317030	11.773	ug/l	97
65) o-Xylene	10.102	106	306968	11.768	ug/l	96
66) Styrene	10.118	104	798377	18.033	ug/l	95
83) 1,4-Dichlorobenzene	11.838	146	215131	6.403	ug/l	99
85) 1,2-Dichlorobenzene	12.214	146	184792	5.756	ug/l	98
87) 1,2,4-Trichlorobenzene	13.841	180	106744	4.234	ug/l	98

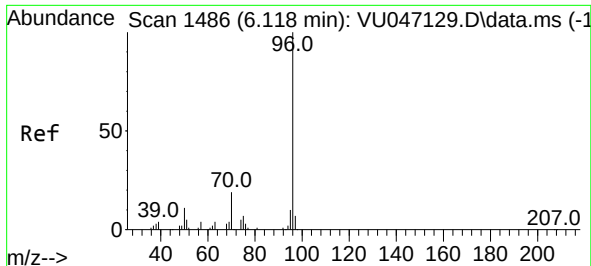
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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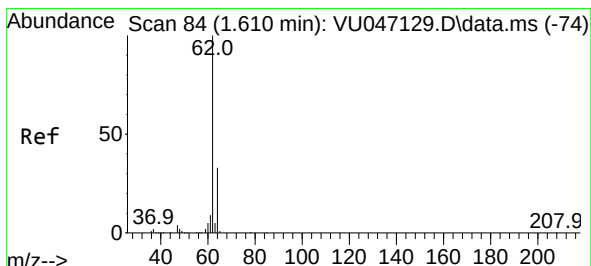
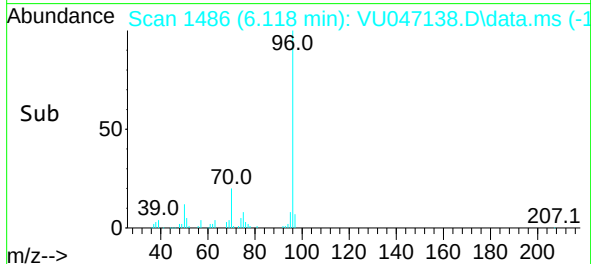
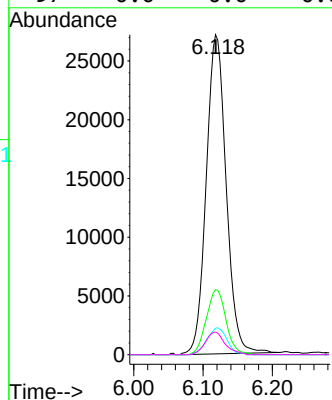
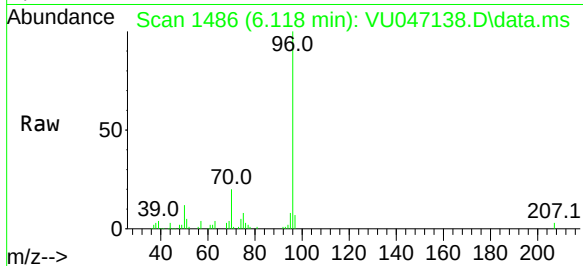




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.118 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

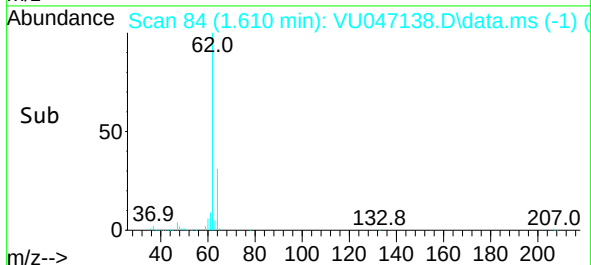
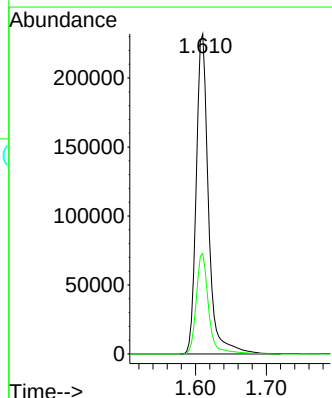
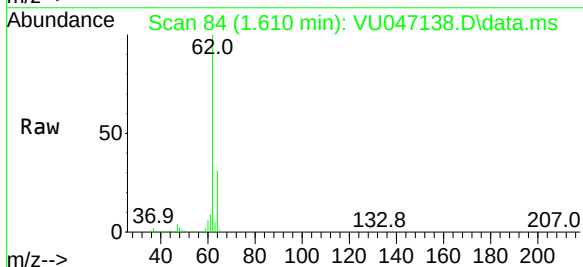
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

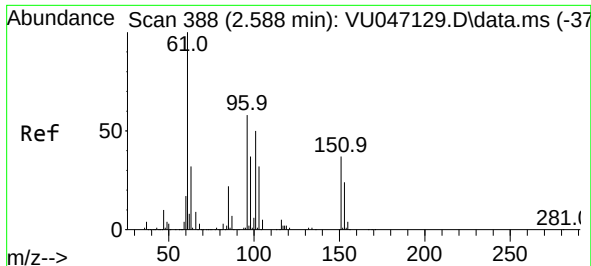
Tgt Ion: 96	Resp: 54248
Ion Ratio	Lower Upper
96 100	
70 20.2	16.8 25.2
95 8.5	7.3 10.9
97 0.0	0.0 0.0



#4
Vinyl Chloride
Concen: 15.208 ug/l
RT: 1.610 min Scan# 84
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 62	Resp: 278905
Ion Ratio	Lower Upper
62 100	
64 31.4	26.0 39.0

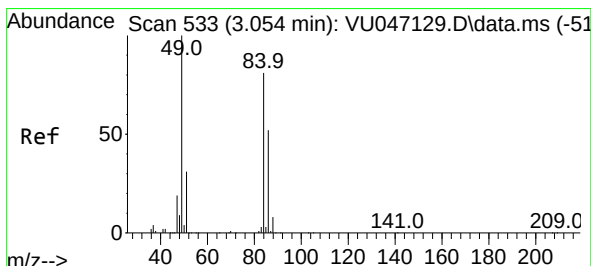
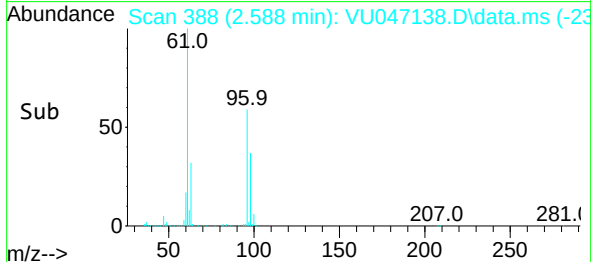
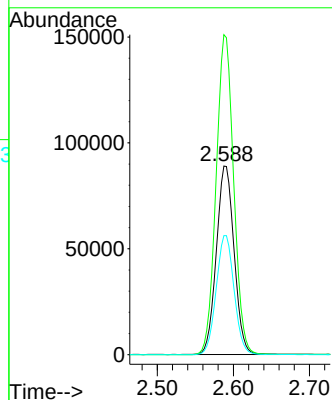
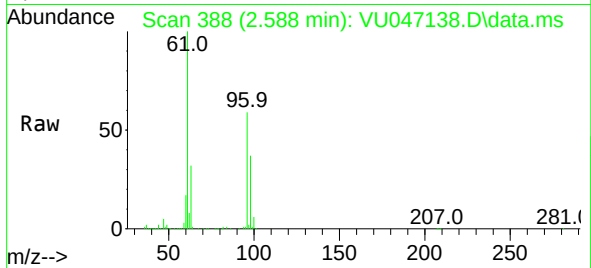




#9
1,1-Dichloroethene
Concen: 11.261 ug/l
RT: 2.588 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

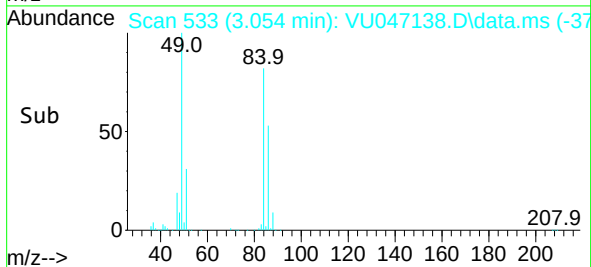
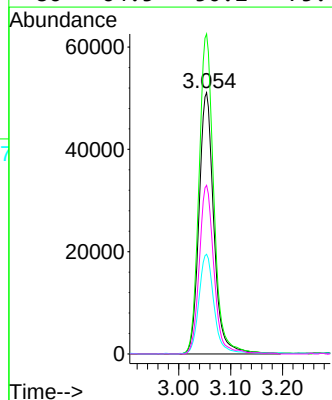
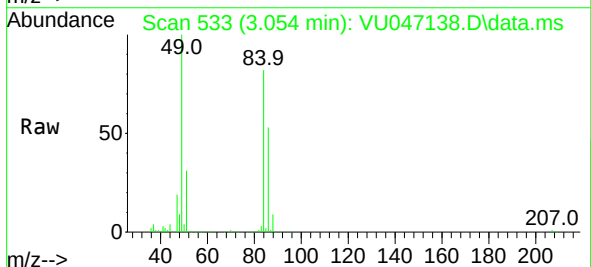
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

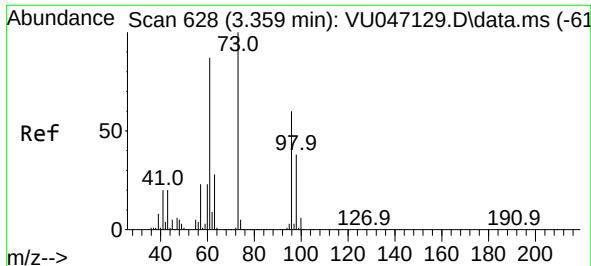
Tgt Ion: 96 Resp: 144396
Ion Ratio Lower Upper
96 100
61 169.9 0.0 514.2
98 63.2 0.0 126.4



#15
Methylene Chloride
Concen: 7.040 ug/l
RT: 3.054 min Scan# 533
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 84 Resp: 101390
Ion Ratio Lower Upper
84 100
49 122.5 97.2 145.8
51 37.9 0.0 73.4
86 64.5 50.2 75.4

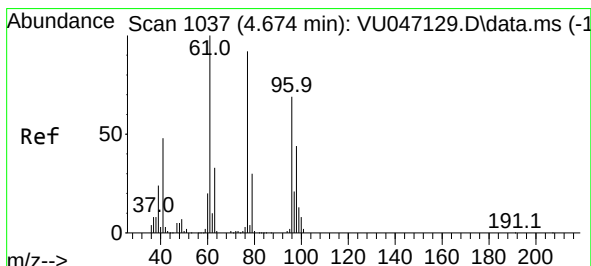
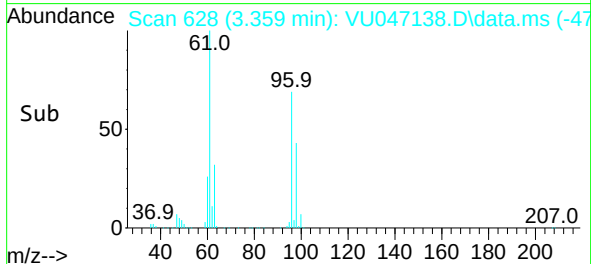
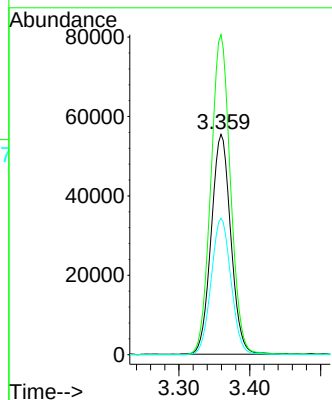
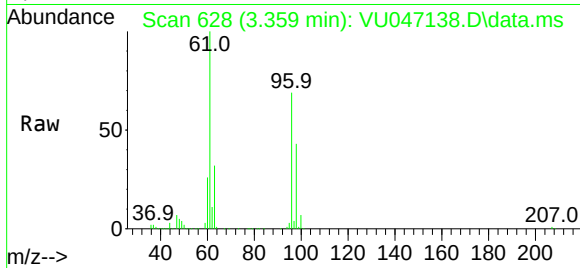




#16
 trans-1,2-Dichloroethene
 Concen: 7.881 ug/l
 RT: 3.359 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

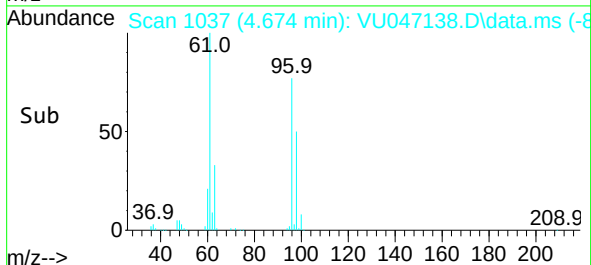
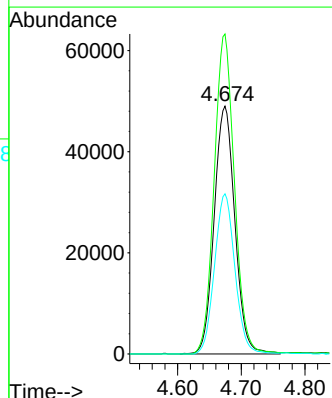
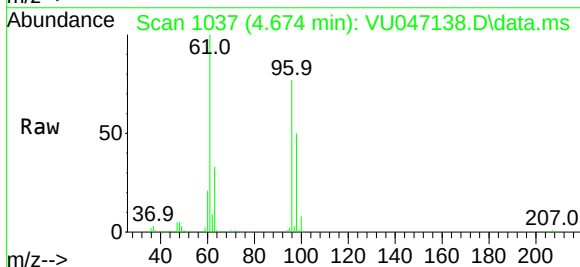
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

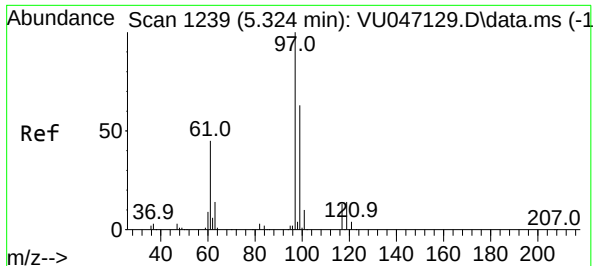
Tgt Ion: 96 Resp: 106651
 Ion Ratio Lower Upper
 96 100
 61 145.6 115.8 173.6
 98 62.1 51.1 76.7



#22
 cis-1,2-Dichloroethene
 Concen: 7.122 ug/l
 RT: 4.674 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

Tgt Ion: 96 Resp: 110851
 Ion Ratio Lower Upper
 96 100
 61 126.3 0.0 385.3
 98 63.7 32.1 96.3





#28

1,1,1-Trichloroethane

Concen: 12.155 ug/l

RT: 5.321 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

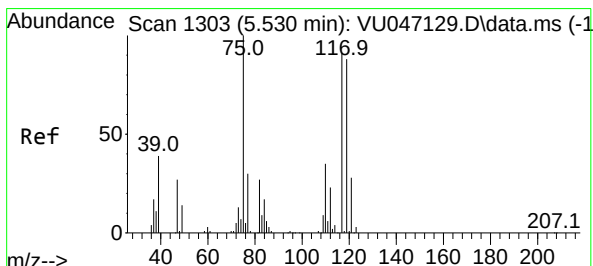
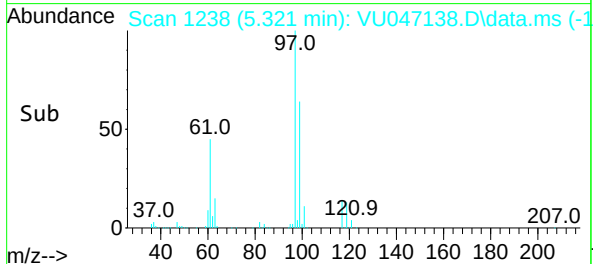
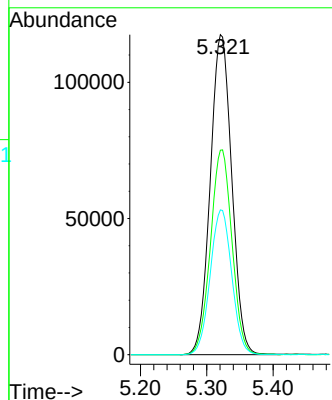
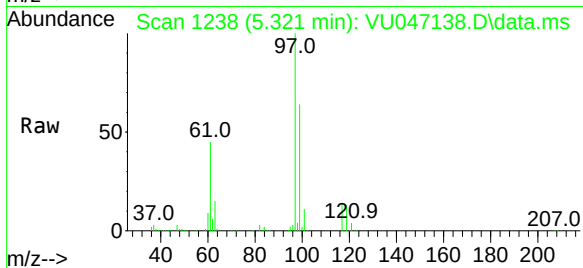
Tgt Ion: 97 Resp: 264747

Ion Ratio Lower Upper

97 100

99 64.1 32.2 96.6

61 45.3 24.5 73.5



#30

Carbon Tetrachloride

Concen: 6.271 ug/l

RT: 5.530 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

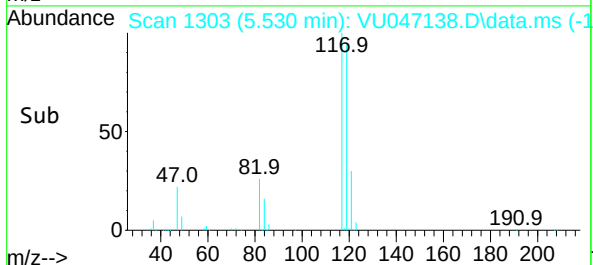
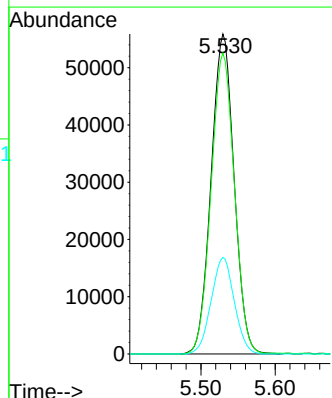
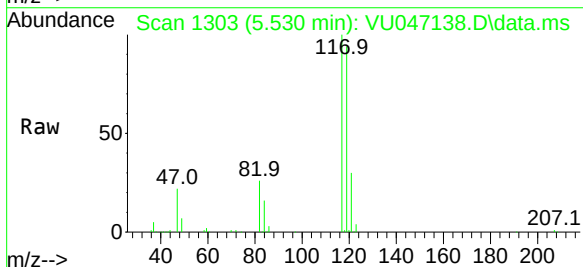
Tgt Ion: 117 Resp: 120088

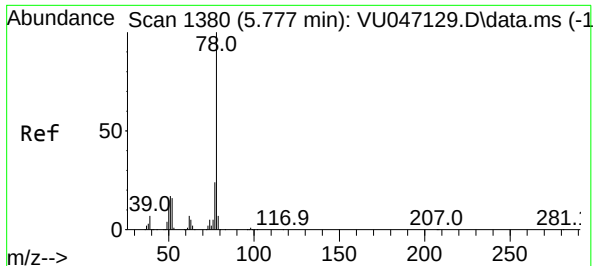
Ion Ratio Lower Upper

117 100

119 94.0 76.8 115.2

121 30.2 24.6 37.0

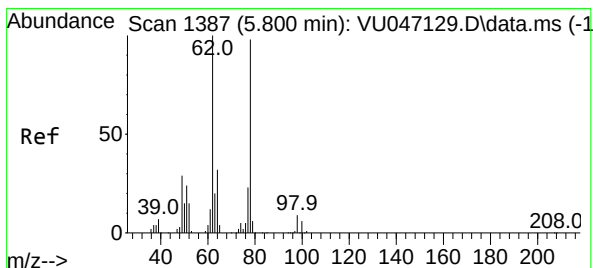
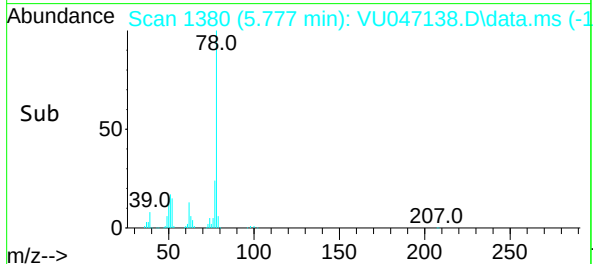
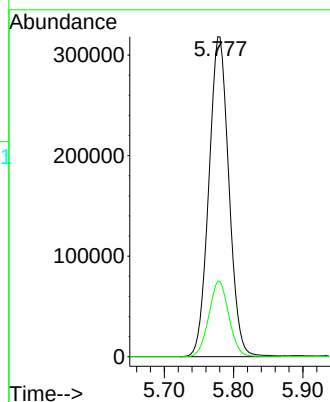
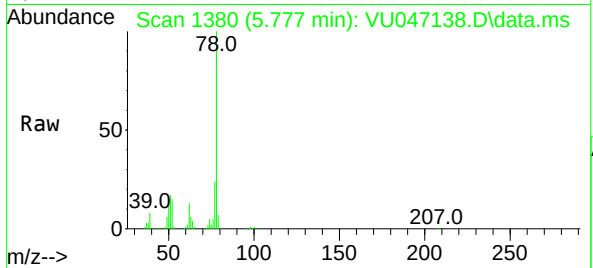




#35
Benzene
Concen: 11.428 ug/l
RT: 5.777 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

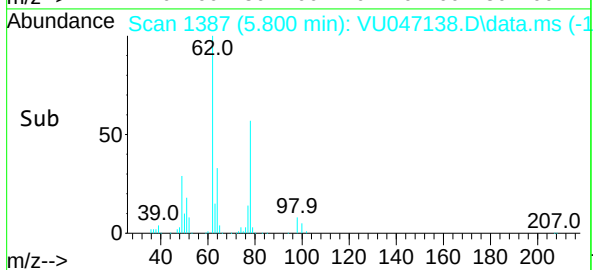
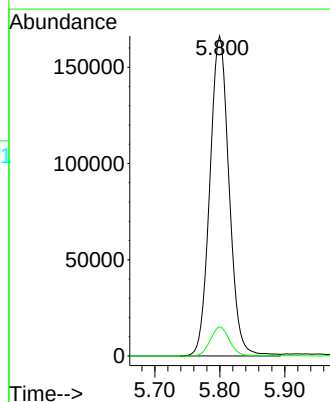
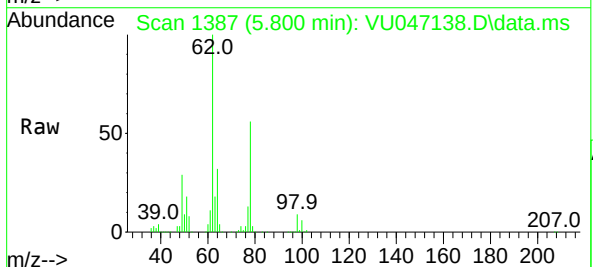
Instrument :
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PT-RVOA-WS

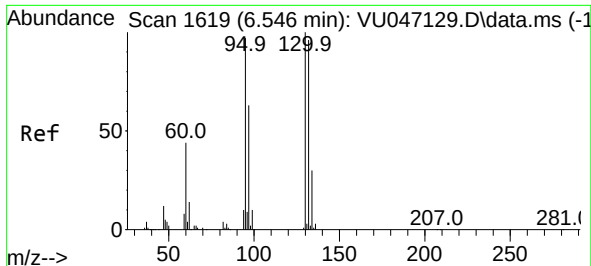
Tgt Ion: 78 Resp: 638543
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7



#36
1,2-Dichloroethane
Concen: 20.232 ug/l
RT: 5.800 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 62 Resp: 342270
Ion Ratio Lower Upper
62 100
98 9.1 7.3 10.9





#37

Trichloroethene

Concen: 9.815 ug/l

RT: 6.546 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

ClientSampleId :

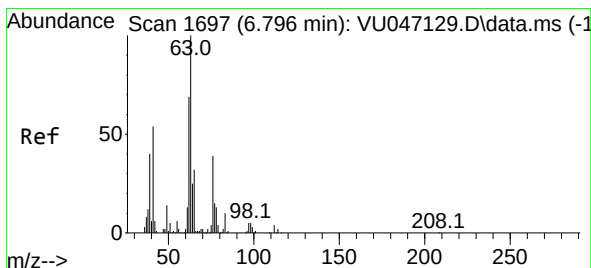
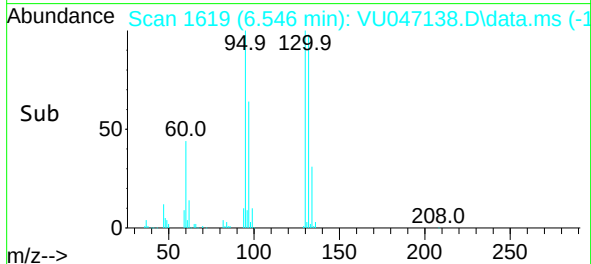
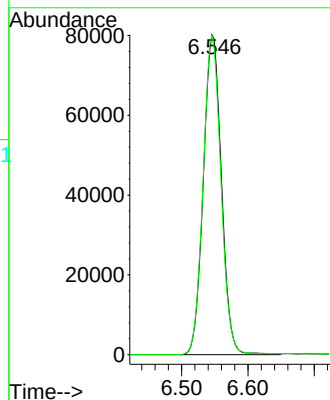
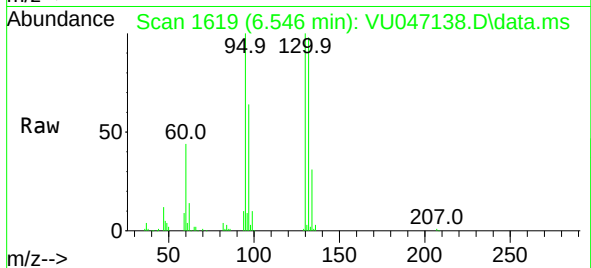
PT-RVOA-WS

Tgt Ion:130 Resp: 151838

Ion Ratio Lower Upper

130 100

95 99.8 83.8 125.8



#38

1,2-Dichloropropane

Concen: 18.629 ug/l

RT: 6.796 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VU047138.D

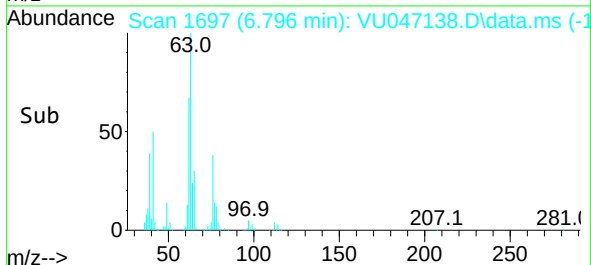
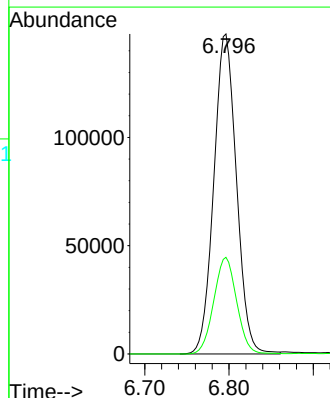
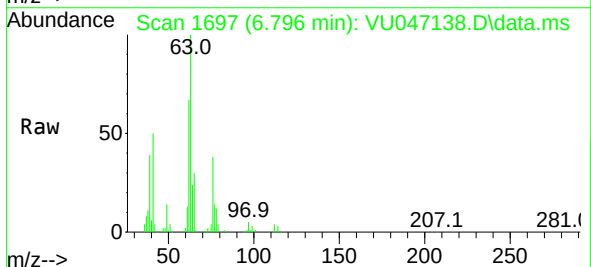
Acq: 14 Feb 2022 17:59

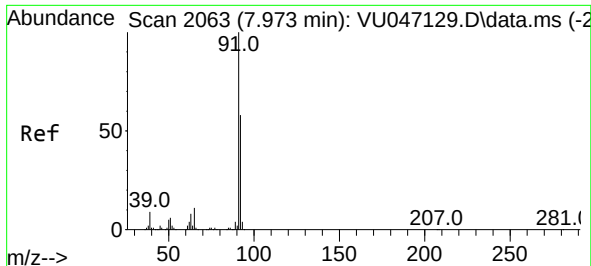
Tgt Ion: 63 Resp: 275459

Ion Ratio Lower Upper

63 100

65 30.2 24.7 37.1

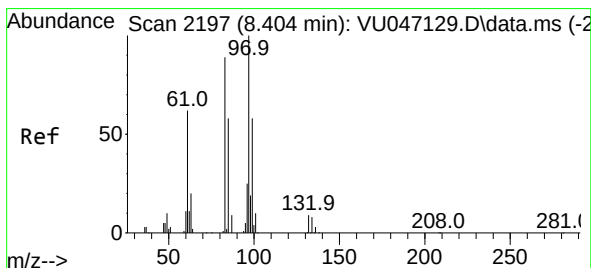
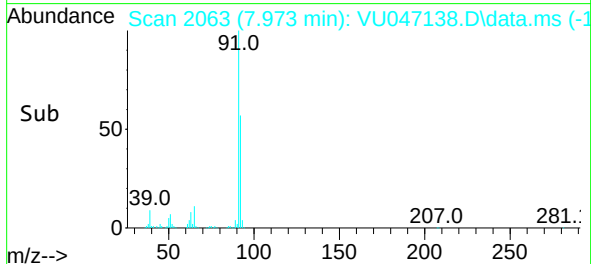
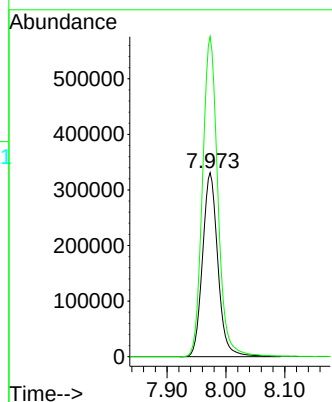
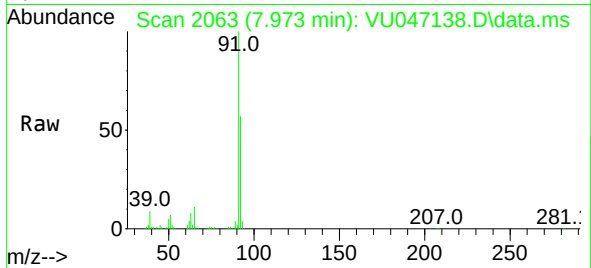




#49
Toluene
Concen: 16.602 ug/l
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

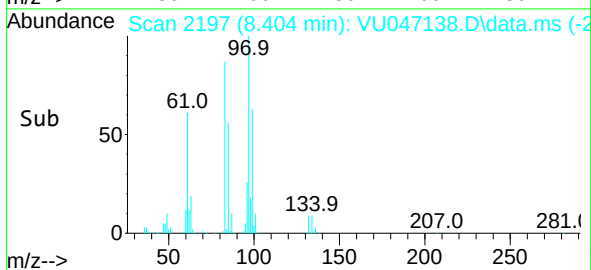
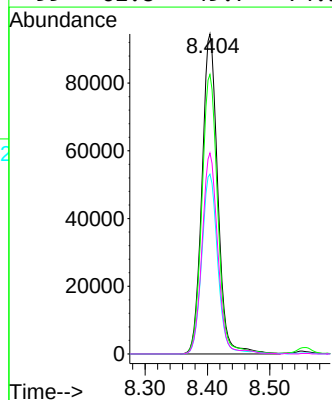
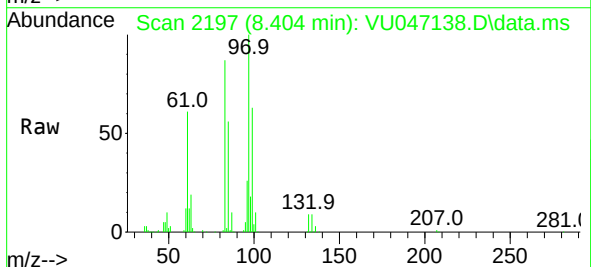
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

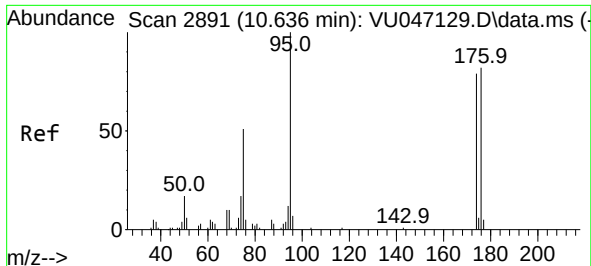
Tgt Ion: 92 Resp: 598399
Ion Ratio Lower Upper
92 100
91 174.7 136.8 205.2



#52
1,1,2-Trichloroethane
Concen: 14.583 ug/l
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 97 Resp: 165915
Ion Ratio Lower Upper
97 100
83 87.3 69.8 104.8
85 56.2 44.2 66.4
99 62.8 49.7 74.5

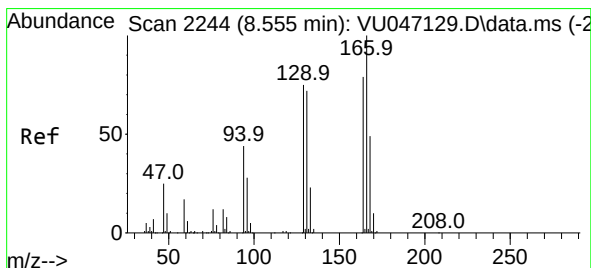
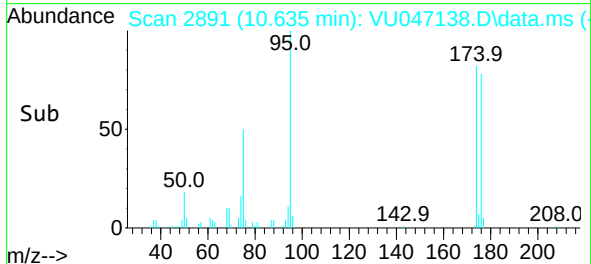
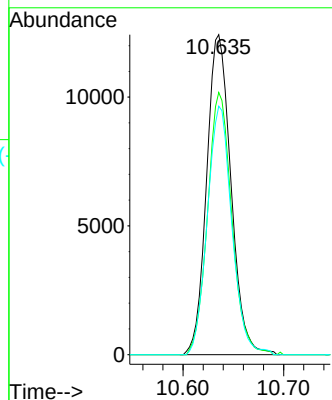
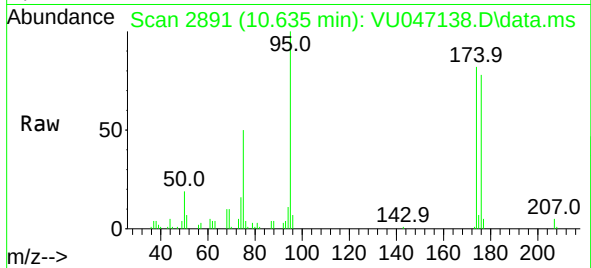




#57
4-Bromofluorobenzene
Concen: 0.994 ug/l
RT: 10.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

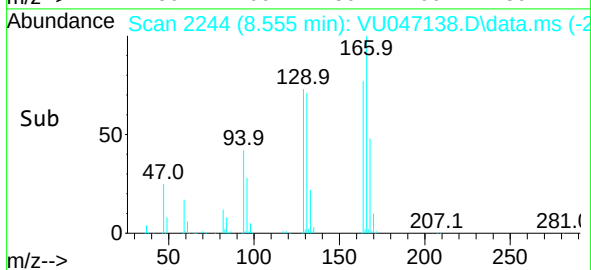
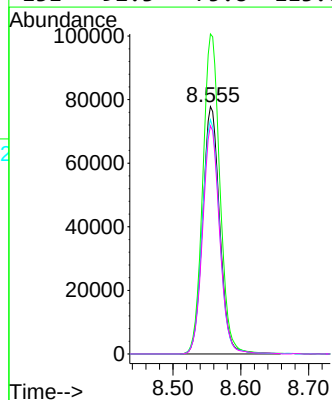
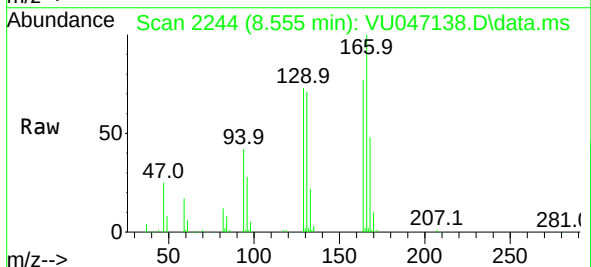
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

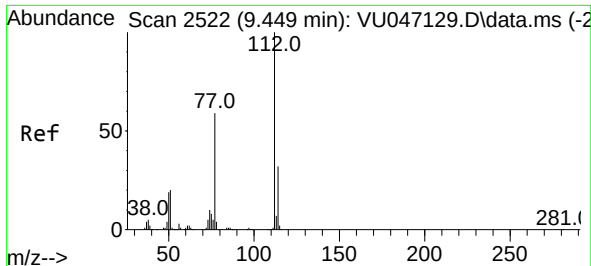
Tgt Ion: 95 Resp: 20880
Ion Ratio Lower Upper
95 100
174 81.5 56.6 84.8
176 78.2 54.3 81.5



#58
Tetrachloroethene
Concen: 9.516 ug/l
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 164 Resp: 135841
Ion Ratio Lower Upper
164 100
166 129.4 102.0 153.0
129 94.8 77.1 115.7
131 92.3 75.8 113.6





#59

Chlorobenzene

Concen: 9.977 ug/l

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU047138.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

ClientSampleId :

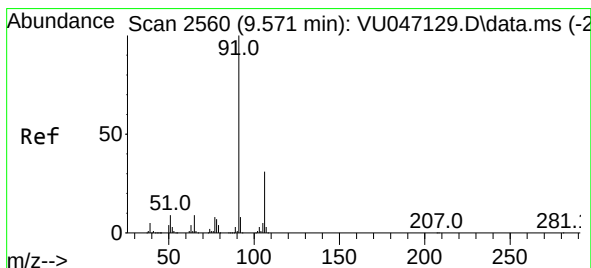
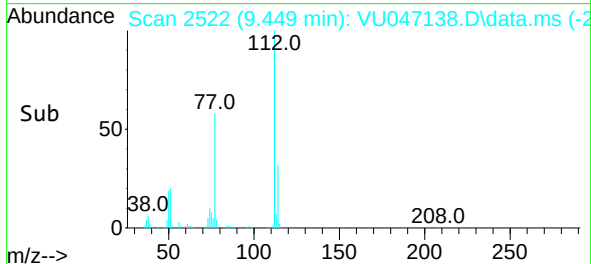
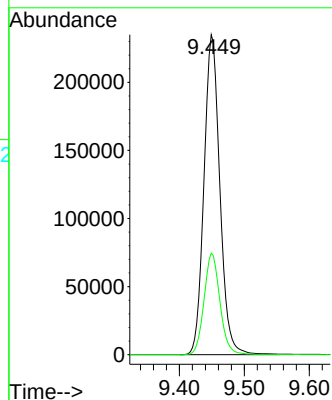
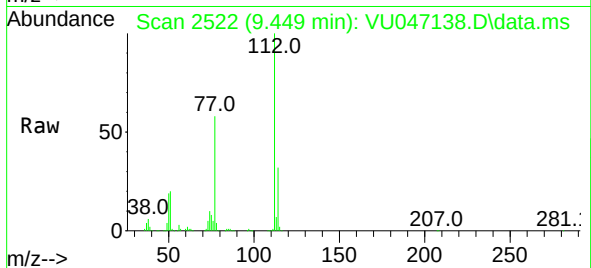
PT-RVOA-WS

Tgt Ion:112 Resp: 400946

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0



#63

Ethyl Benzene

Concen: 7.254 ug/l

RT: 9.574 min Scan# 2561

Delta R.T. 0.003 min

Lab File: VU047138.D

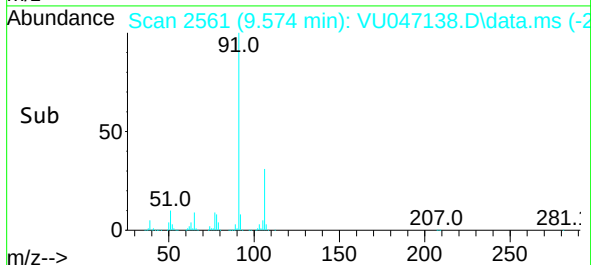
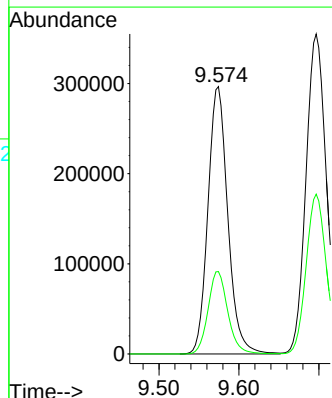
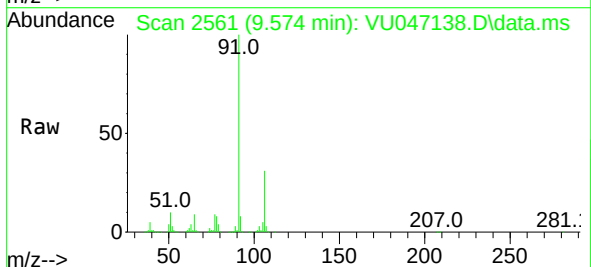
Acq: 14 Feb 2022 17:59

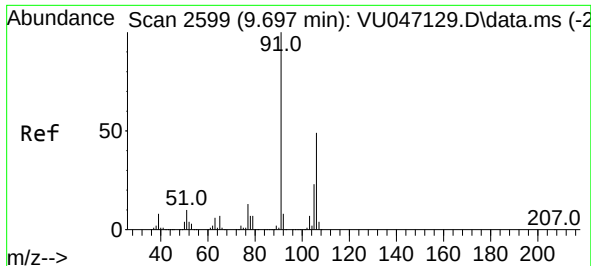
Tgt Ion: 91 Resp: 512432

Ion Ratio Lower Upper

91 100

106 30.8 24.4 36.6

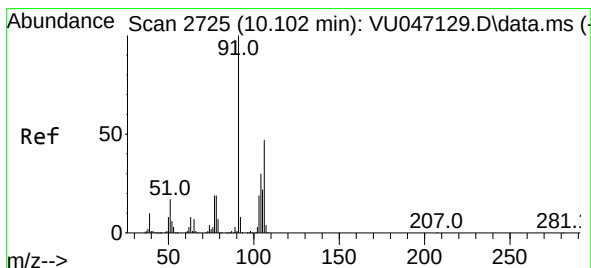
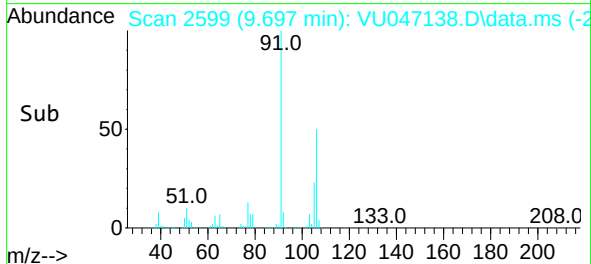
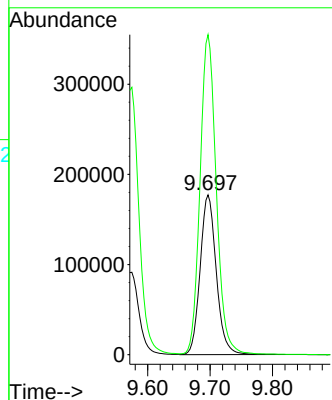
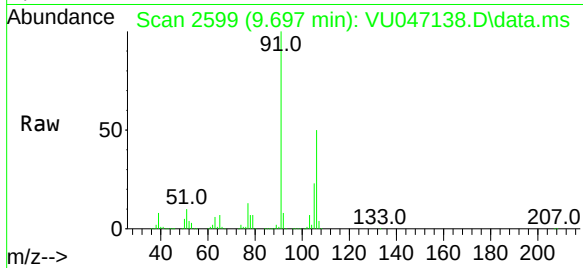




#64
m/p-Xylenes
Concen: 11.773 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

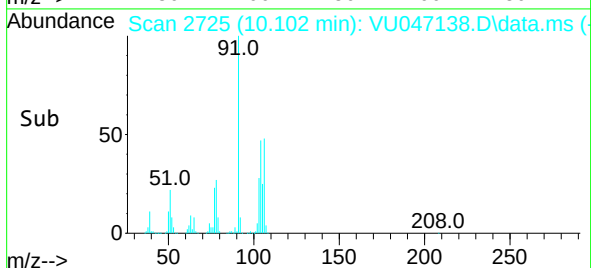
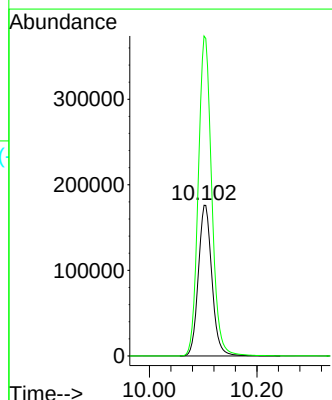
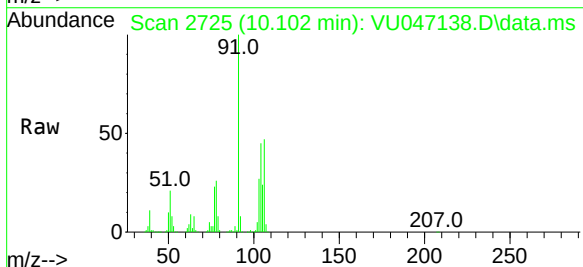
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

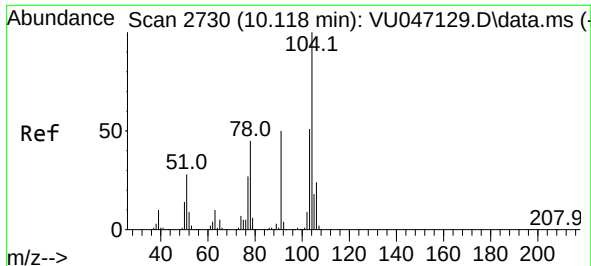
Tgt Ion:106 Resp: 317030
Ion Ratio Lower Upper
106 100
91 202.6 165.5 248.3



#65
o-Xylene
Concen: 11.768 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion:106 Resp: 306968
Ion Ratio Lower Upper
106 100
91 211.8 109.4 328.2

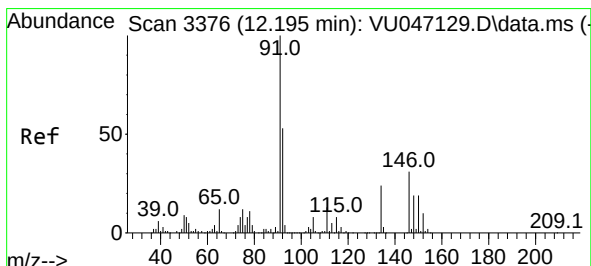
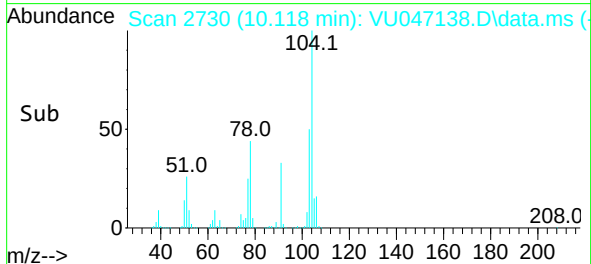
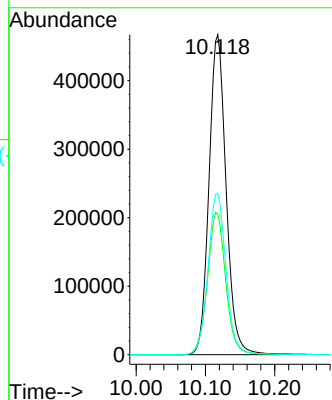
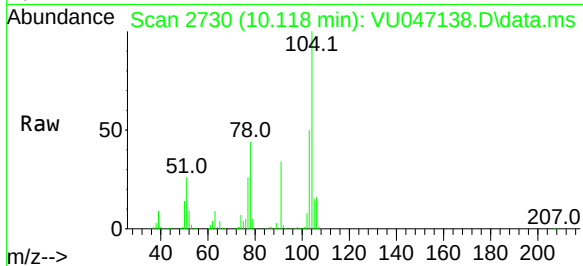




#66
Styrene
Concen: 18.033 ug/l
RT: 10.118 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

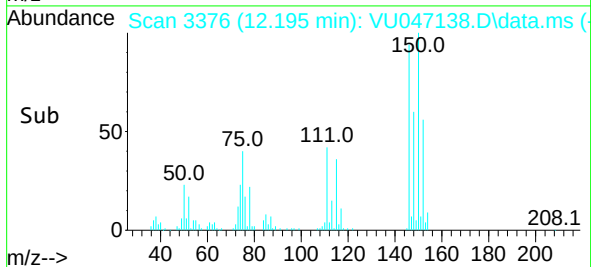
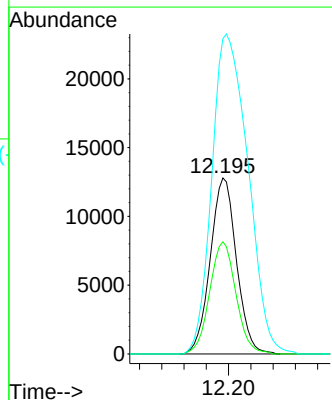
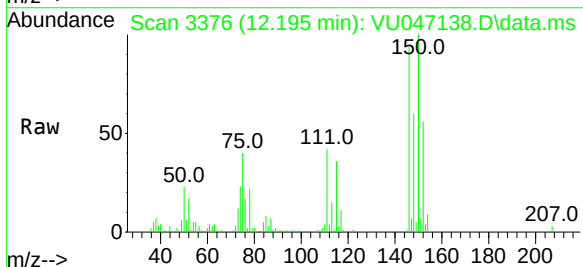
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

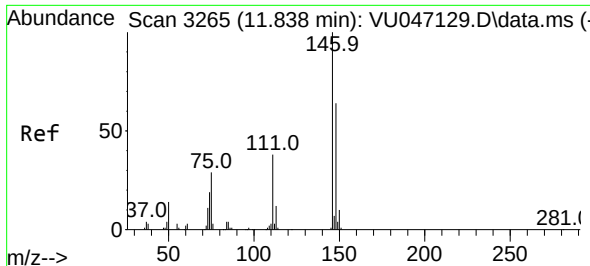
Tgt Ion:104 Resp: 798377
Ion Ratio Lower Upper
104 100
78 47.5 42.4 63.6
103 53.2 44.2 66.4



#68
1,2-Dichlorobenzene-d4
Concen: 0.956 ug/l
RT: 12.195 min Scan# 3376
Delta R.T. -0.000 min
Lab File: VU047138.D
Acq: 14 Feb 2022 17:59

Tgt Ion:152 Resp: 20919
Ion Ratio Lower Upper
152 100
115 63.8 0.0 251.0
150 250.6 0.0 613.8

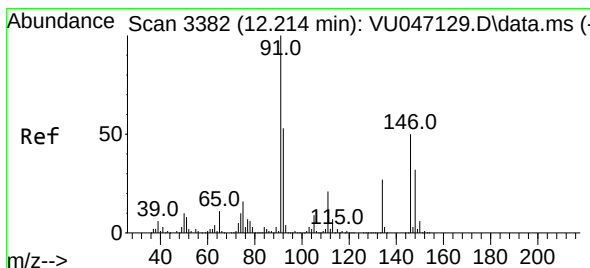
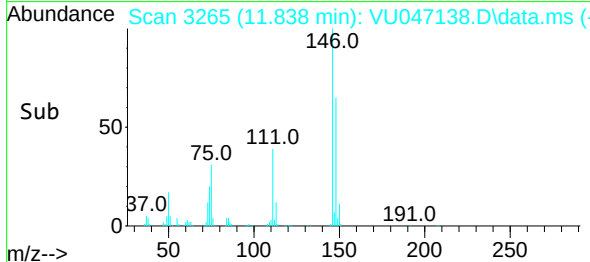
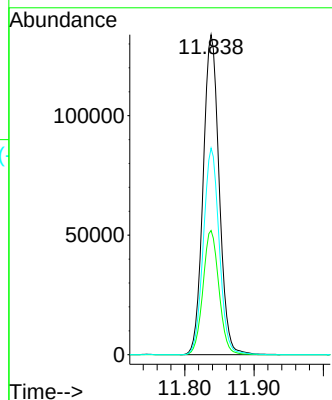
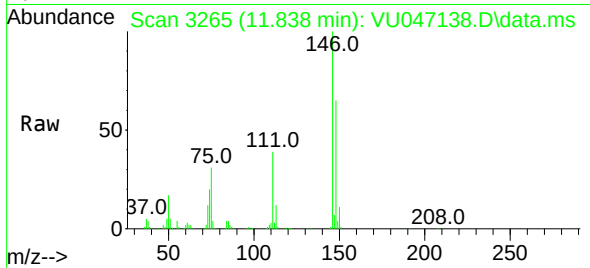




#83
 1,4-Dichlorobenzene
 Concen: 6.403 ug/l
 RT: 11.838 min Scan# 3265
 Delta R.T. -0.000 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

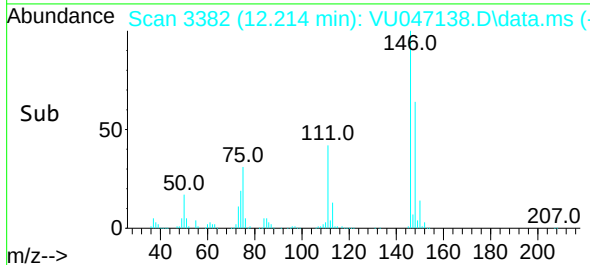
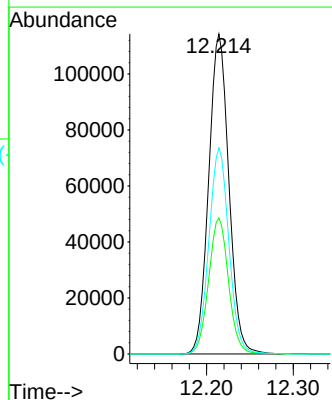
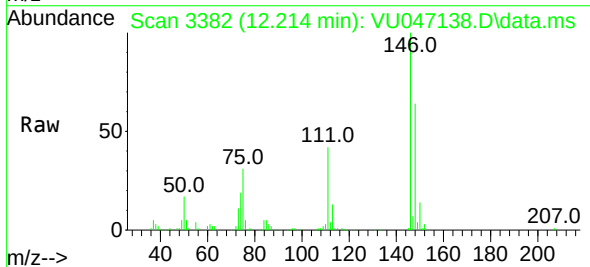
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

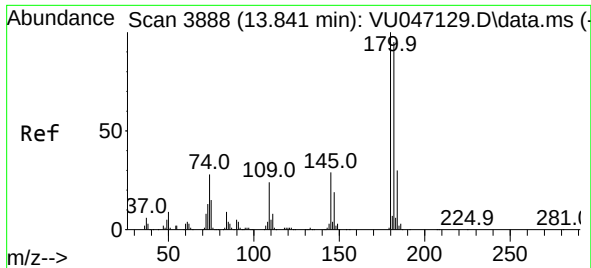
Tgt Ion:146 Resp: 215131
 Ion Ratio Lower Upper
 146 100
 111 38.6 32.7 49.1
 148 64.1 51.4 77.0



#85
 1,2-Dichlorobenzene
 Concen: 5.756 ug/l
 RT: 12.214 min Scan# 3382
 Delta R.T. -0.000 min
 Lab File: VU047138.D
 Acq: 14 Feb 2022 17:59

Tgt Ion:146 Resp: 184792
 Ion Ratio Lower Upper
 146 100
 111 42.0 22.1 66.1
 148 64.1 31.6 94.7





#87

1,2,4-Trichlorobenzene

Concen: 4.234 ug/l

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU047138.D

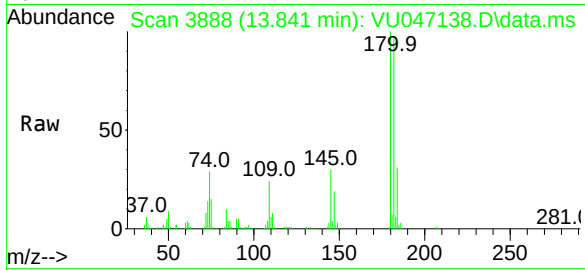
Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS



Tgt Ion:180 Resp: 106744

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.8

145 29.1 25.3 37.9

