

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021522\
 Data File : VU047150.D
 Acq On : 15 Feb 2022 15:12
 Operator : SY/MD
 Sample : N1205-07DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL

Quant Time: Feb 17 08:04:43 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)

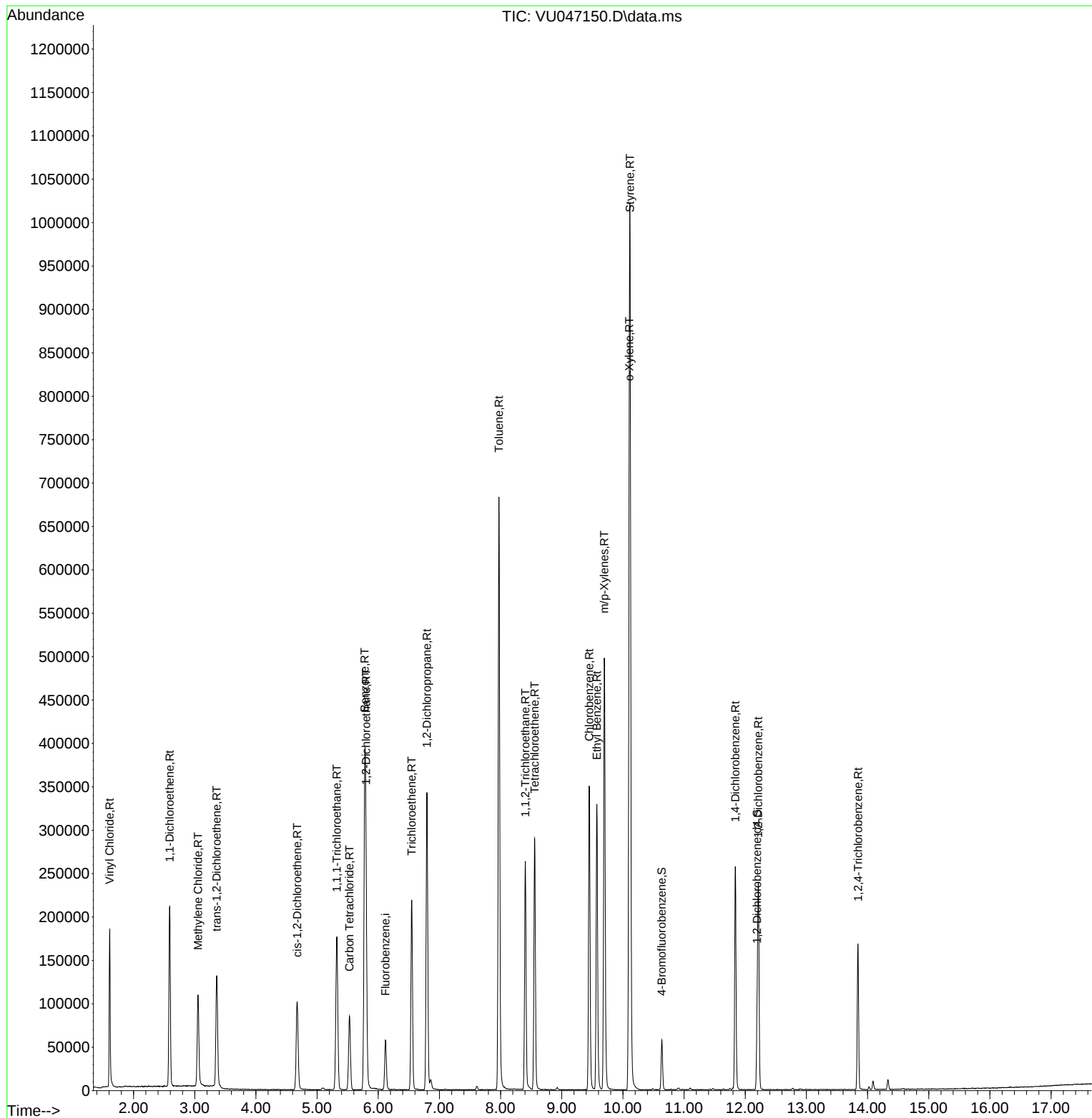
Internal Standards						
1) Fluorobenzene	6.118	96	53631	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	20294	0.977	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	21196	0.980	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.610	62	130490	7.197	ug/l	99
9) 1,1-Dichloroethene	2.591	96	71735	5.659	ug/l	95
15) Methylene Chloride	3.054	84	51556	3.621	ug/l	97
16) trans-1,2-Dichloroethene	3.359	96	52718	3.940	ug/l	96
22) cis-1,2-Dichloroethene	4.674	96	55028	3.576	ug/l	84
28) 1,1,1-Trichloroethane	5.324	97	128934	5.988	ug/l	97
30) Carbon Tetrachloride	5.529	117	57348	3.029	ug/l	98
35) Benzene	5.780	78	315170	5.705	ug/l	99
36) 1,2-Dichloroethane	5.800	62	169605	10.141	ug/l	99
37) Trichloroethene	6.545	130	74559	4.875	ug/l	96
38) 1,2-Dichloropropane	6.796	63	136432	9.333	ug/l	100
49) Toluene	7.973	92	294746	8.272	ug/l	98
52) 1,1,2-Trichloroethane	8.404	97	81761	7.269	ug/l	98
58) Tetrachloroethene	8.555	164	66701	4.726	ug/l	98
59) Chlorobenzene	9.449	112	198680	5.001	ug/l	100
63) Ethyl Benzene	9.574	91	250043	3.580	ug/l	98
64) m/p-Xylenes	9.697	106	152821	5.740	ug/l	98
65) o-Xylene	10.102	106	150859	5.850	ug/l	95
66) Styrene	10.118	104	393404	8.988	ug/l	94
83) 1,4-Dichlorobenzene	11.838	146	107402	3.233	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	94494	2.977	ug/l	97
87) 1,2,4-Trichlorobenzene	13.844	180	53233	2.136	ug/l	98

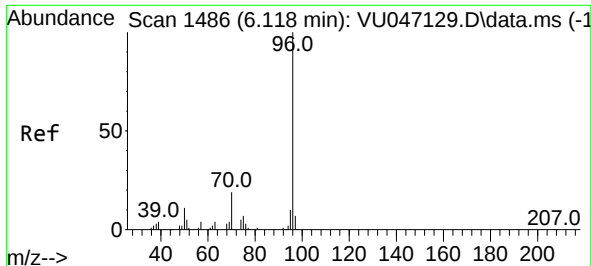
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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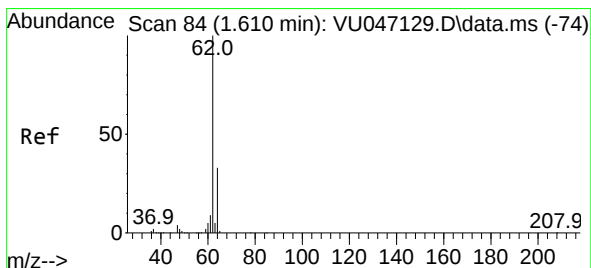
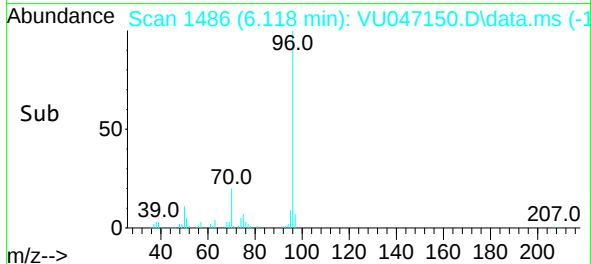
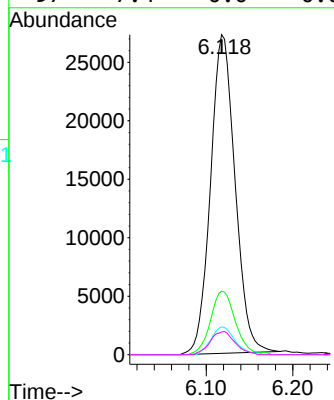
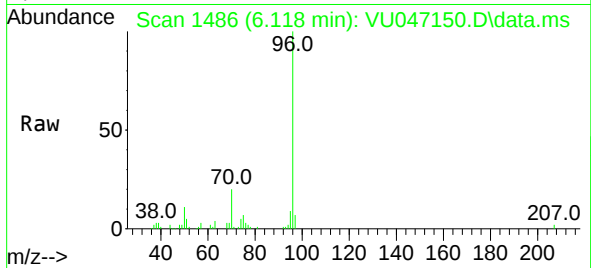




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.118 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VU047150.D
Acq: 15 Feb 2022 15:12

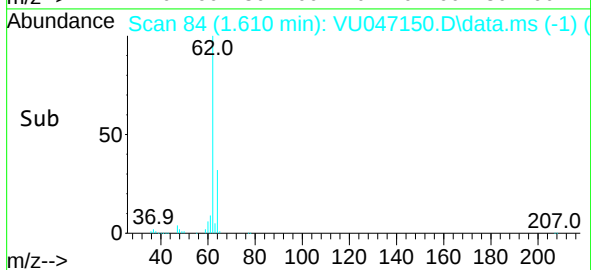
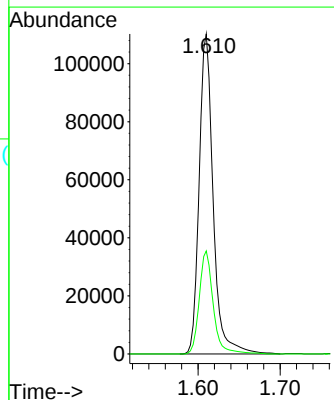
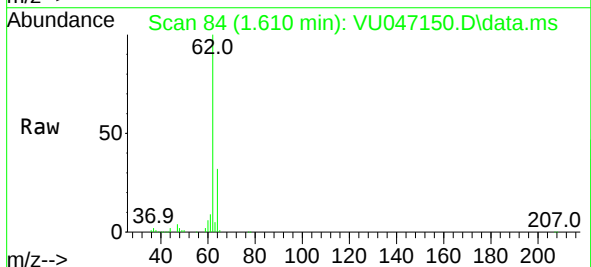
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

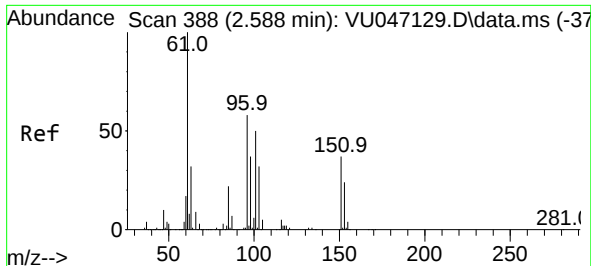
Tgt Ion: 96	Resp: 53631
Ion Ratio	Lower Upper
96 100	
70 20.3	16.8 25.2
95 8.5	7.3 10.9
97 7.4	0.0 0.0#



#4
Vinyl Chloride
Concen: 7.197 ug/l
RT: 1.610 min Scan# 84
Delta R.T. -0.000 min
Lab File: VU047150.D
Acq: 15 Feb 2022 15:12

Tgt Ion: 62	Resp: 130490
Ion Ratio	Lower Upper
62 100	
64 32.2	26.0 39.0

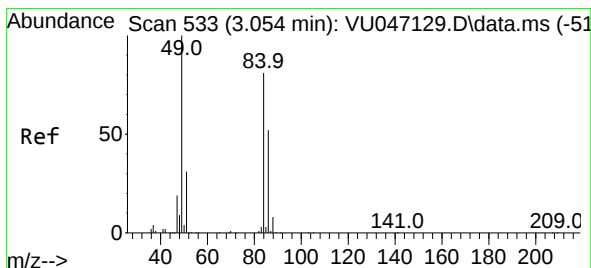
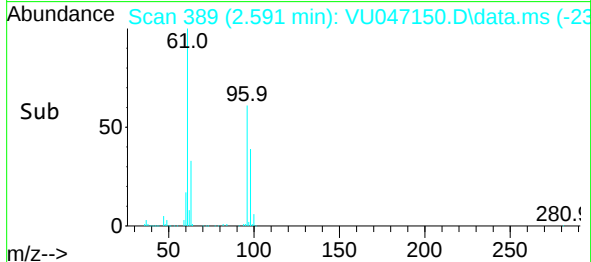
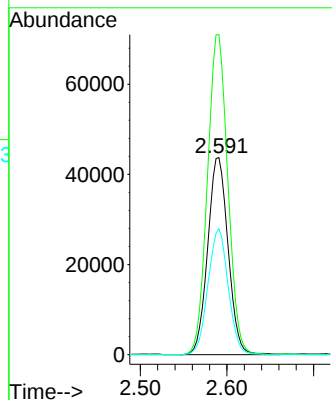
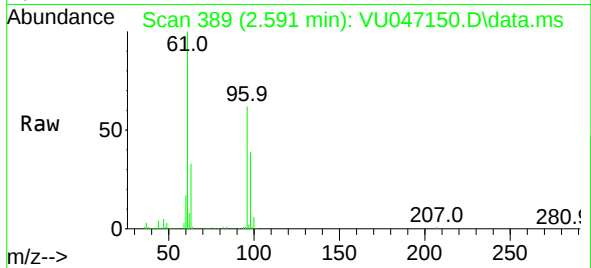




#9
 1,1-Dichloroethene
 Concen: 5.659 ug/l
 RT: 2.591 min Scan# 389
 Delta R.T. 0.003 min
 Lab File: VU047150.D
 Acq: 15 Feb 2022 15:12

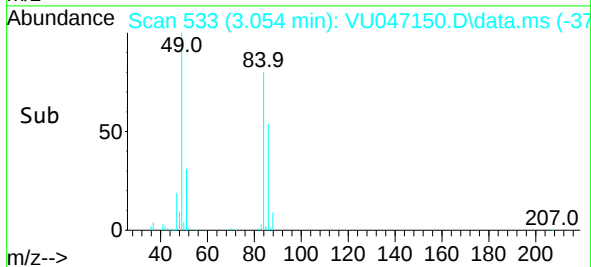
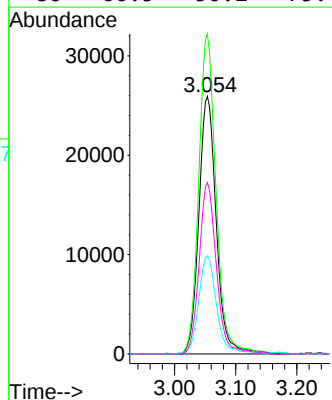
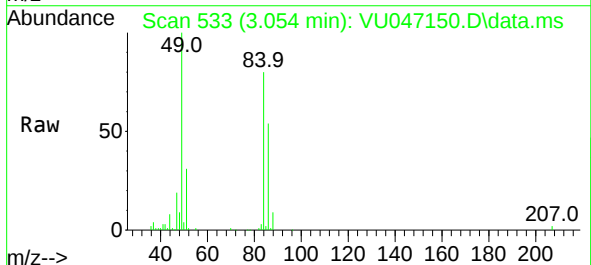
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL

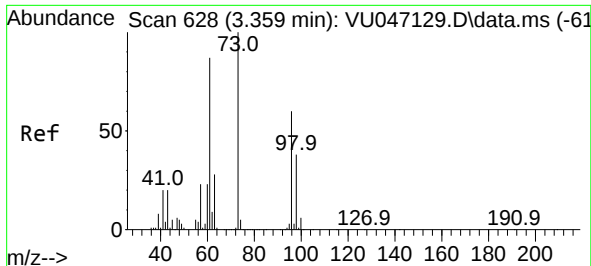
Tgt Ion: 96 Resp: 71735
 Ion Ratio Lower Upper
 96 100
 61 162.3 0.0 514.2
 98 63.9 0.0 126.4



#15
 Methylene Chloride
 Concen: 3.621 ug/l
 RT: 3.054 min Scan# 533
 Delta R.T. -0.000 min
 Lab File: VU047150.D
 Acq: 15 Feb 2022 15:12

Tgt Ion: 84 Resp: 51556
 Ion Ratio Lower Upper
 84 100
 49 124.3 97.2 145.8
 51 37.6 0.0 73.4
 86 66.5 50.2 75.4

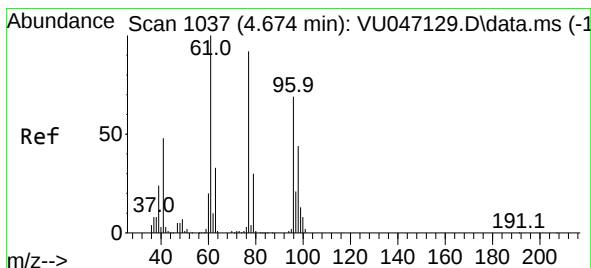
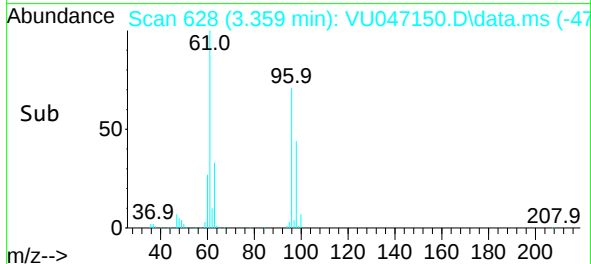
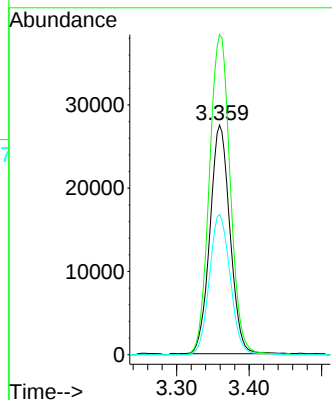
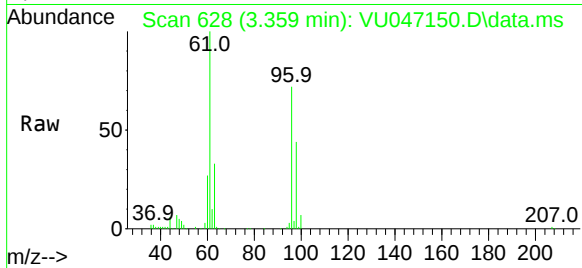




#16
trans-1,2-Dichloroethene
Concen: 3.940 ug/l
RT: 3.359 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047150.D
Acq: 15 Feb 2022 15:12

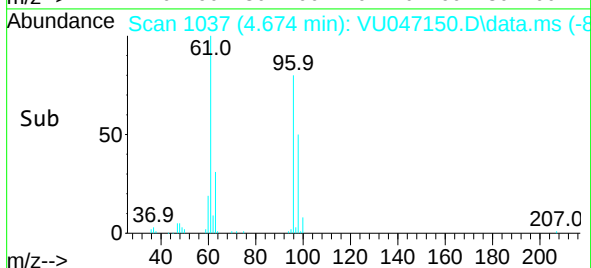
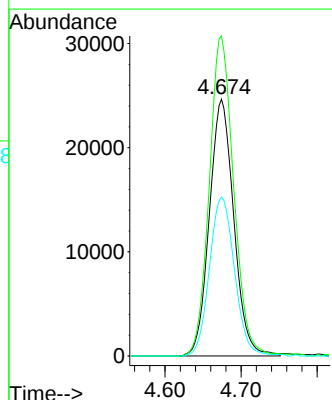
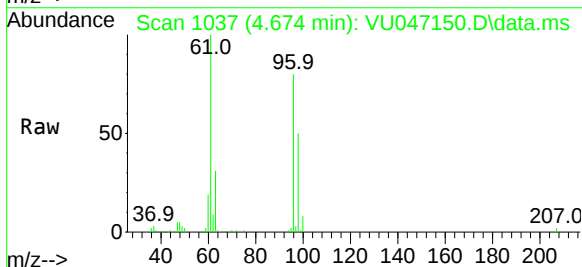
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

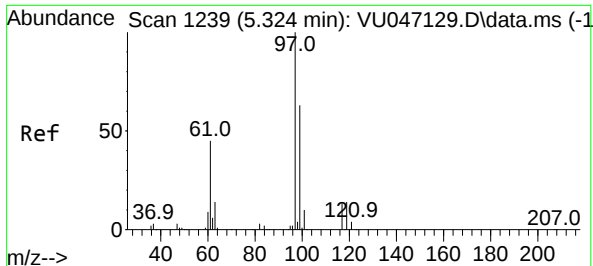
Tgt Ion: 96 Resp: 52718
Ion Ratio Lower Upper
96 100
61 139.9 115.8 173.6
98 61.3 51.1 76.7



#22
cis-1,2-Dichloroethene
Concen: 3.576 ug/l
RT: 4.674 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VU047150.D
Acq: 15 Feb 2022 15:12

Tgt Ion: 96 Resp: 55028
Ion Ratio Lower Upper
96 100
61 124.7 0.0 385.3
98 63.4 32.1 96.3





#28

1,1,1-Trichloroethane

Concen: 5.988 ug/l

RT: 5.324 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VU047150.D

Acq: 15 Feb 2022 15:12

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WSDL

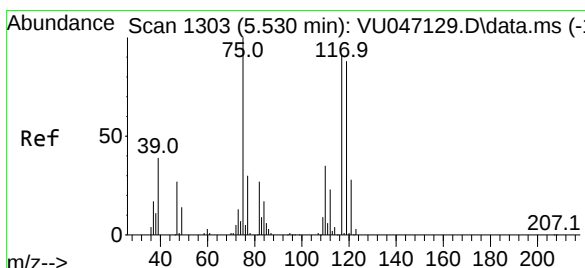
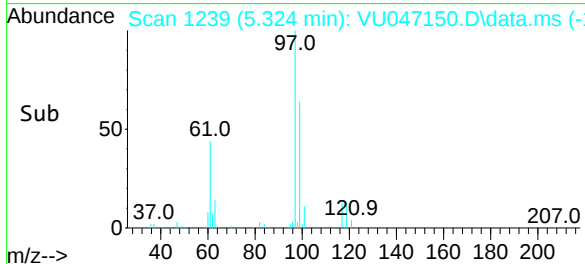
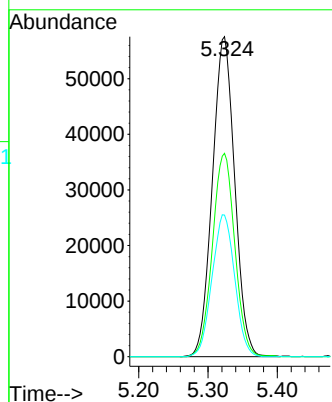
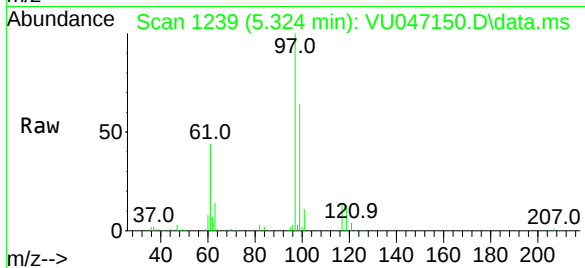
Tgt Ion: 97 Resp: 128934

Ion Ratio Lower Upper

97 100

99 63.7 32.2 96.6

61 44.9 24.5 73.5



#30

Carbon Tetrachloride

Concen: 3.029 ug/l

RT: 5.529 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VU047150.D

Acq: 15 Feb 2022 15:12

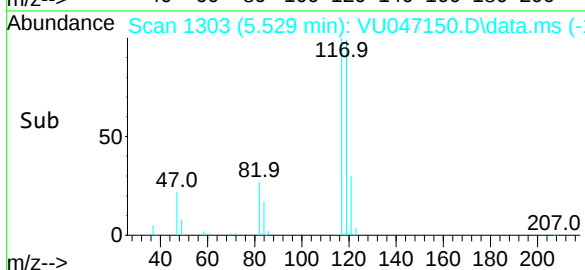
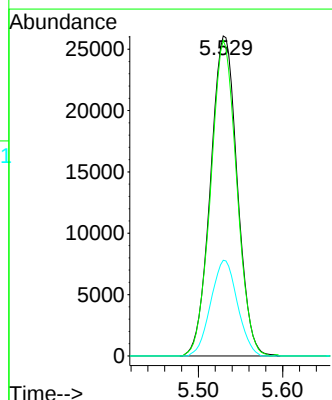
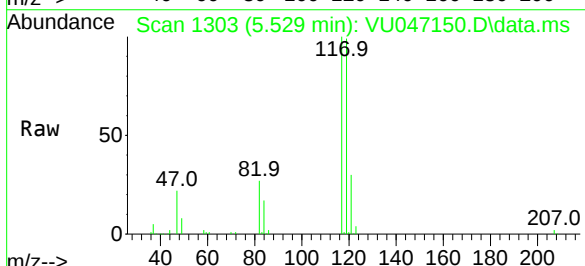
Tgt Ion: 117 Resp: 57348

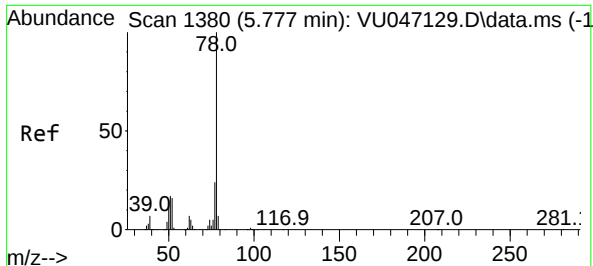
Ion Ratio Lower Upper

117 100

119 98.6 76.8 115.2

121 29.9 24.6 37.0

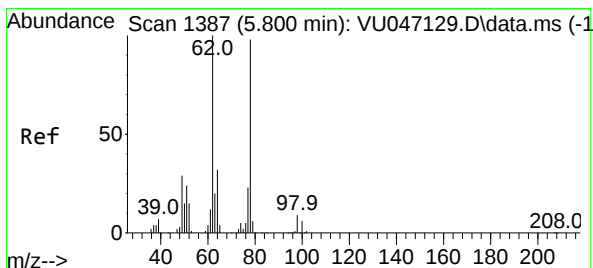
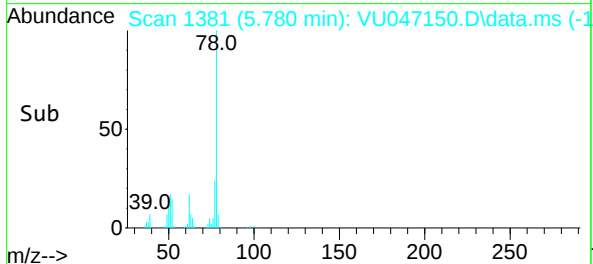
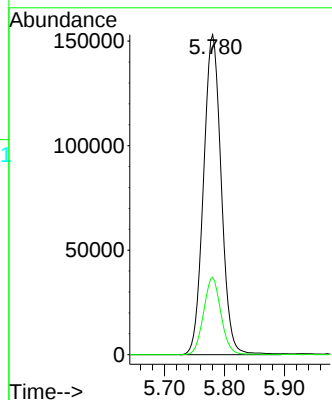
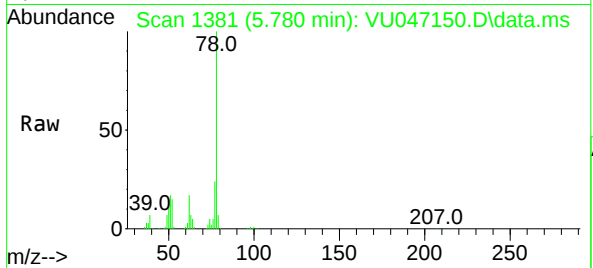




#35
Benzene
Concen: 5.705 ug/l
RT: 5.780 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VU047150.D
Acq: 15 Feb 2022 15:12

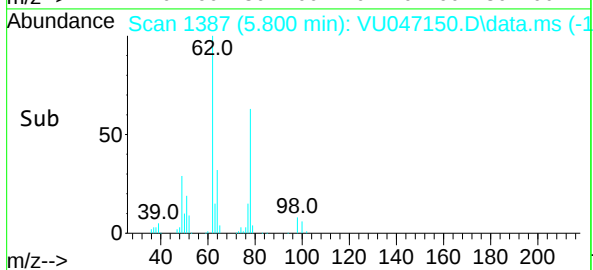
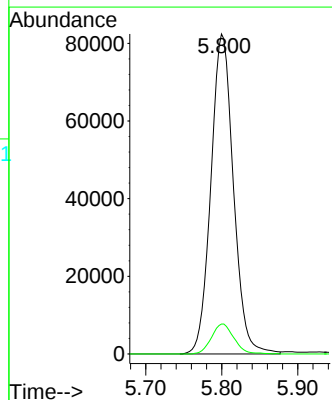
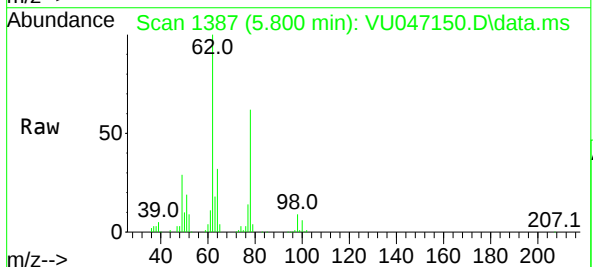
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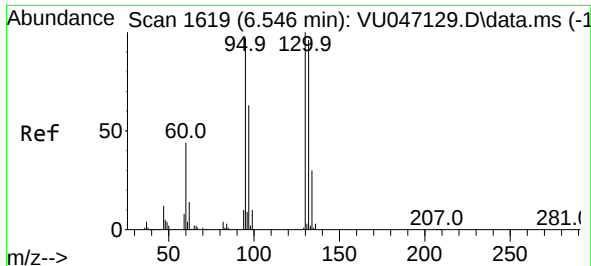
Tgt Ion: 78 Resp: 315170
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7



#36
1,2-Dichloroethane
Concen: 10.141 ug/l
RT: 5.800 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VU047150.D
Acq: 15 Feb 2022 15:12

Tgt Ion: 62 Resp: 169605
Ion Ratio Lower Upper
62 100
98 9.4 7.3 10.9

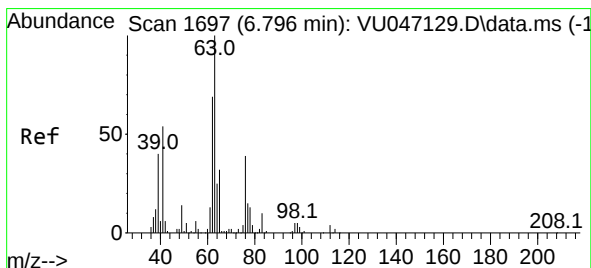
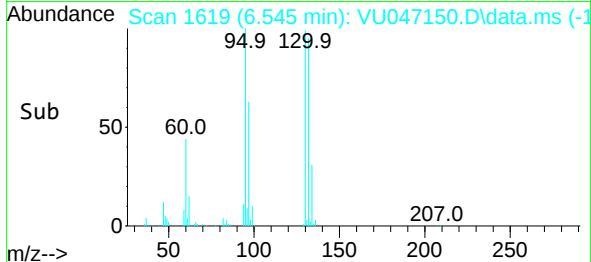
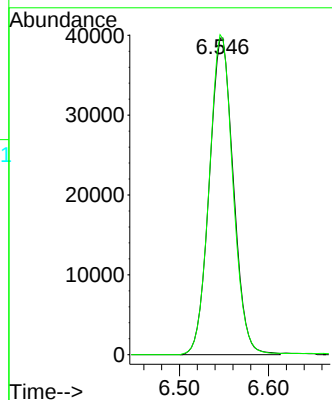
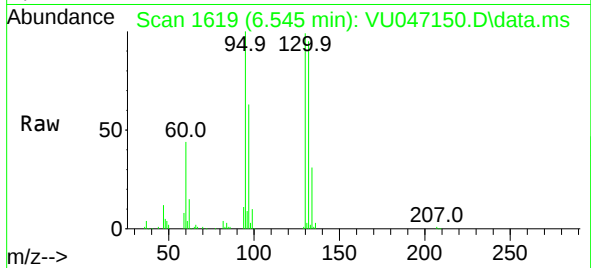




#37
Trichloroethene
Concen: 4.875 ug/l
RT: 6.545 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU047150.D
Acq: 15 Feb 2022 15:12

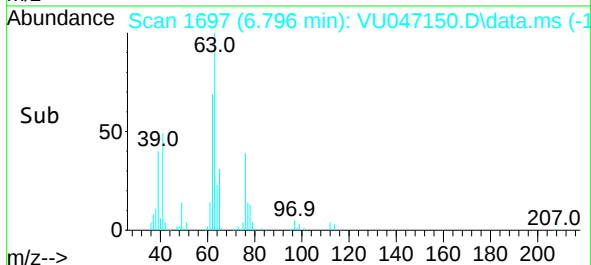
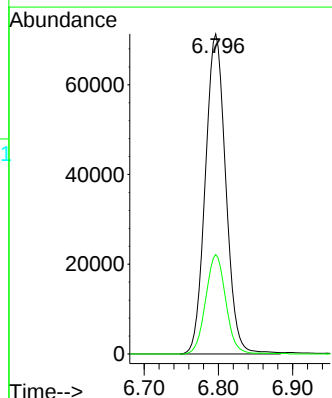
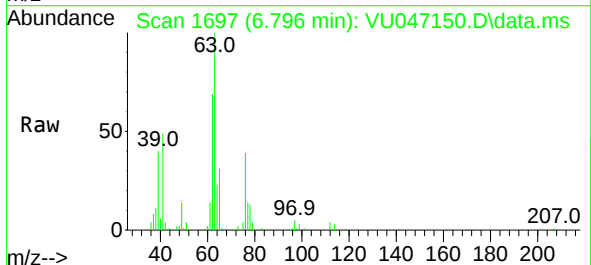
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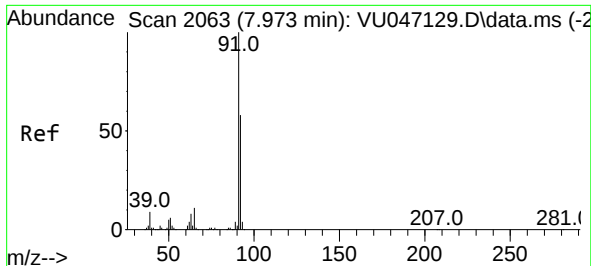
Tgt Ion:130 Resp: 74559
Ion Ratio Lower Upper
130 100
95 101.0 83.8 125.8



#38
1,2-Dichloropropane
Concen: 9.333 ug/l
RT: 6.796 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VU047150.D
Acq: 15 Feb 2022 15:12

Tgt Ion: 63 Resp: 136432
Ion Ratio Lower Upper
63 100
65 31.0 24.7 37.1





#49

Toluene

Concen: 8.272 ug/l

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU047150.D

Acq: 15 Feb 2022 15:12

Instrument :

MSVOA_U

ClientSampleId :

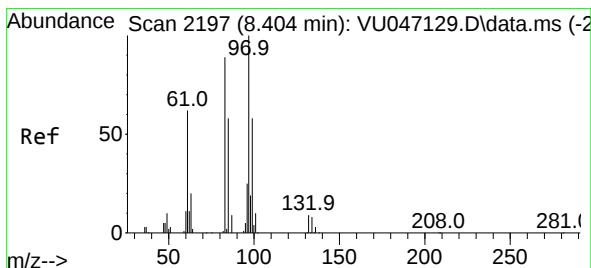
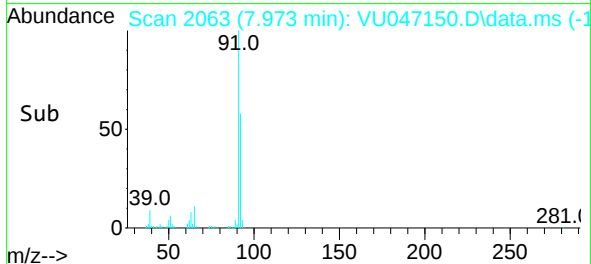
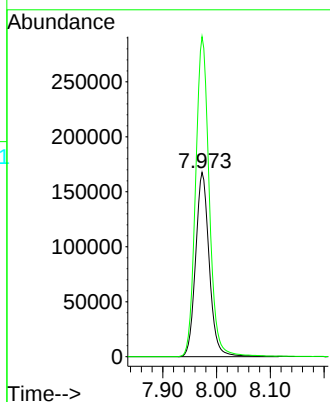
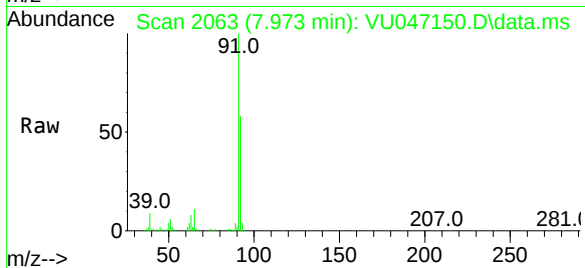
PT-RVOA-WSDL

Tgt Ion: 92 Resp: 294746

Ion Ratio Lower Upper

92 100

91 174.0 136.8 205.2



#52

1,1,2-Trichloroethane

Concen: 7.269 ug/l

RT: 8.404 min Scan# 2197

Delta R.T. -0.000 min

Lab File: VU047150.D

Acq: 15 Feb 2022 15:12

Tgt Ion: 97 Resp: 81761

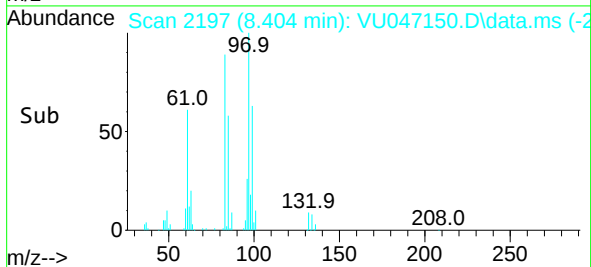
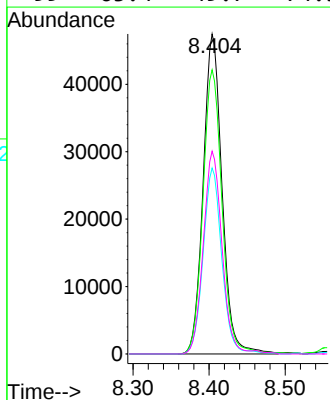
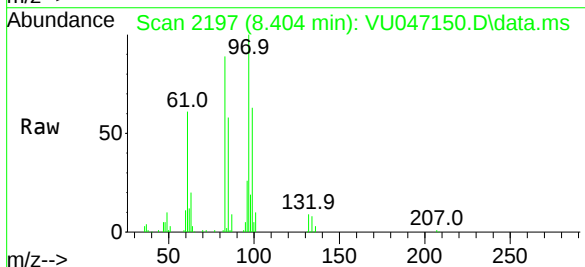
Ion Ratio Lower Upper

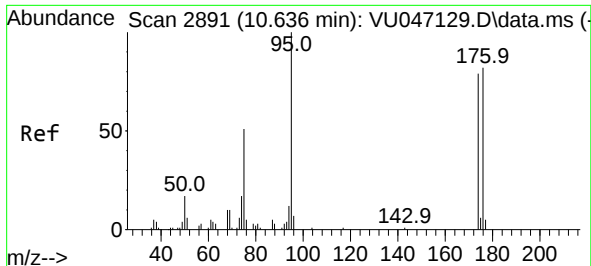
97 100

83 88.8 69.8 104.8

85 58.1 44.2 66.4

99 63.4 49.7 74.5





#57

4-Bromofluorobenzene

Concen: 0.977 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. -0.000 min

Lab File: VU047150.D

Acq: 15 Feb 2022 15:12

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WSDL

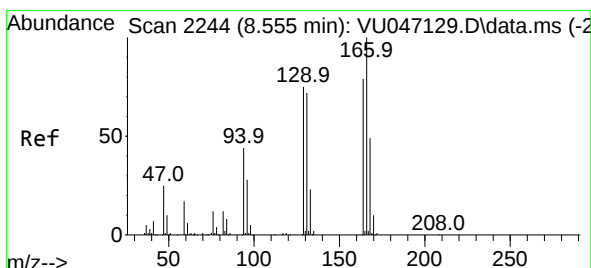
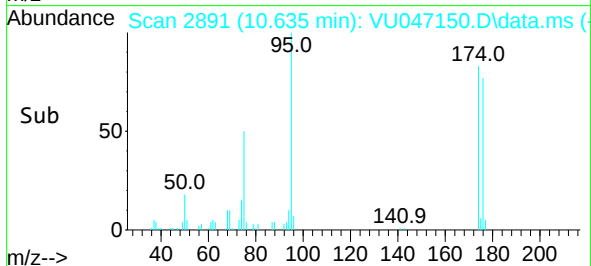
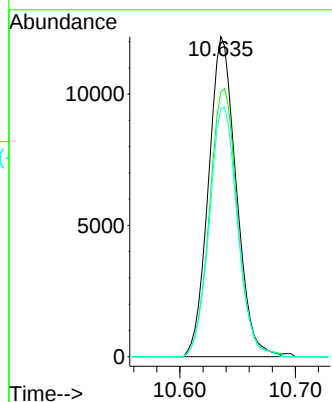
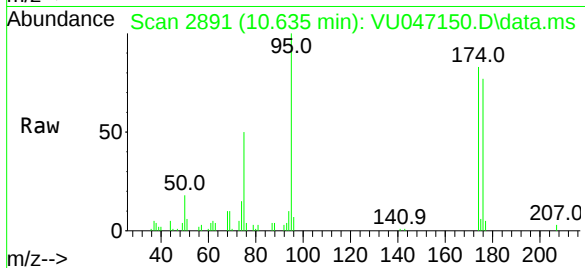
Tgt Ion: 95 Resp: 20294

Ion Ratio Lower Upper

95 100

174 84.3 56.6 84.8

176 79.9 54.3 81.5



#58

Tetrachloroethene

Concen: 4.726 ug/l

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU047150.D

Acq: 15 Feb 2022 15:12

Tgt Ion: 164 Resp: 66701

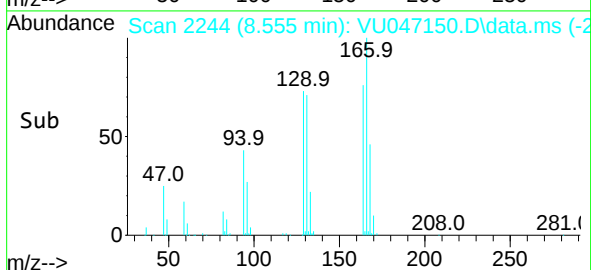
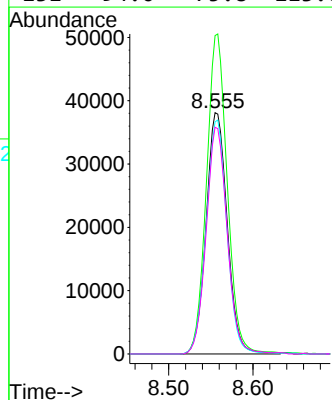
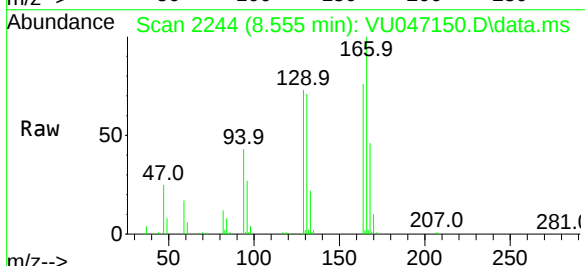
Ion Ratio Lower Upper

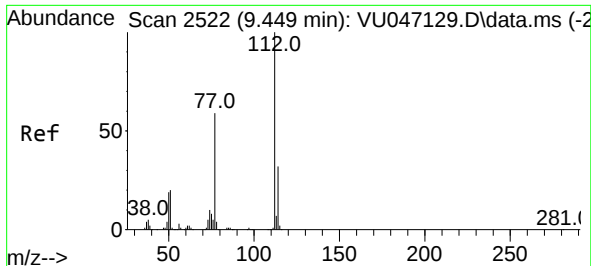
164 100

166 131.9 102.0 153.0

129 96.2 77.1 115.7

131 94.0 75.8 113.6





#59

Chlorobenzene

Concen: 5.001 ug/l

RT: 9.449 min Scan# 2522

Delta R.T. -0.000 min

Lab File: VU047150.D

Acq: 15 Feb 2022 15:12

Instrument :

MSVOA_U

ClientSampleId :

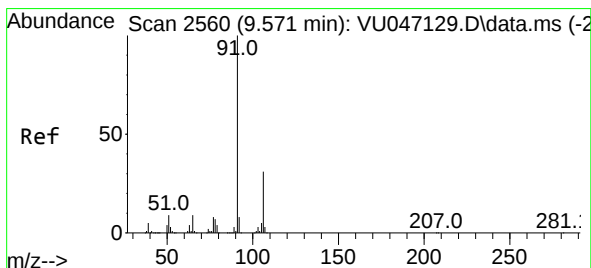
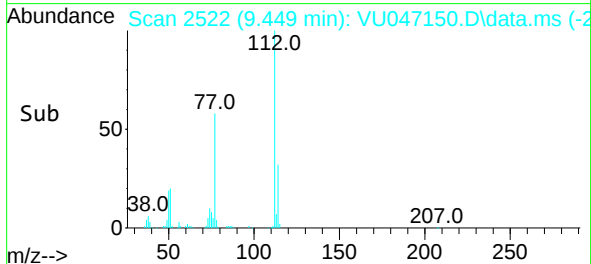
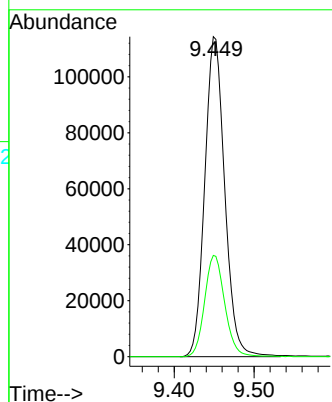
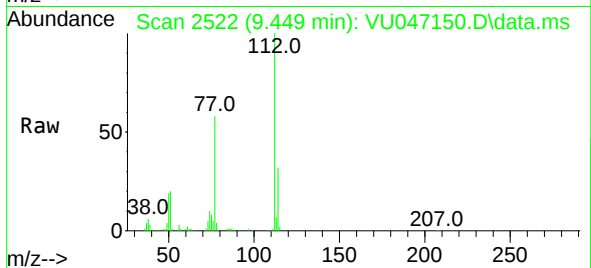
PT-RVOA-WSDL

Tgt Ion:112 Resp: 198680

Ion Ratio Lower Upper

112 100

114 31.7 25.4 38.0



#63

Ethyl Benzene

Concen: 3.580 ug/l

RT: 9.574 min Scan# 2561

Delta R.T. 0.003 min

Lab File: VU047150.D

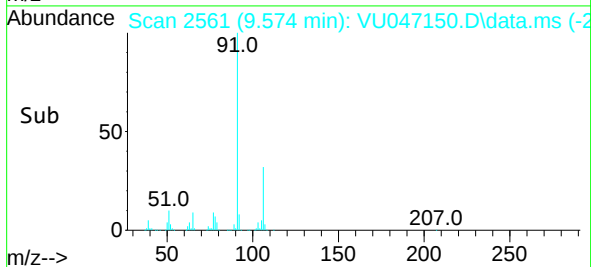
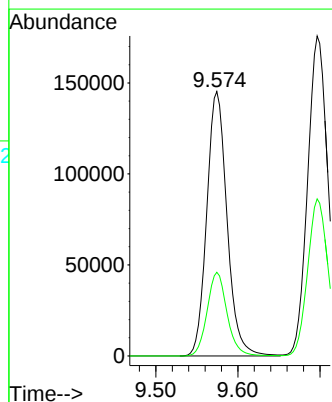
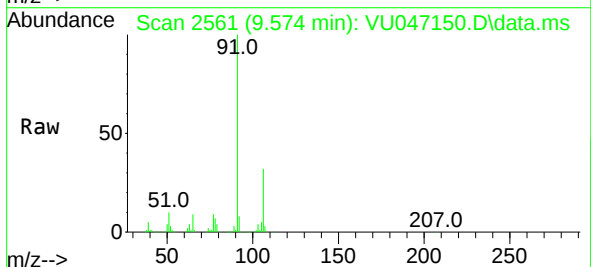
Acq: 15 Feb 2022 15:12

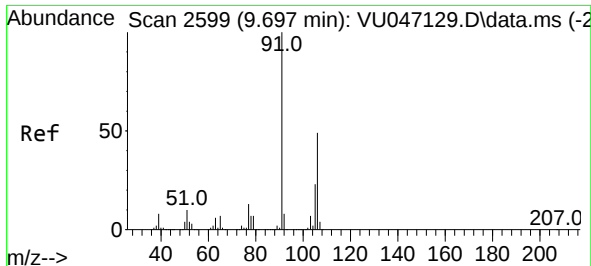
Tgt Ion: 91 Resp: 250043

Ion Ratio Lower Upper

91 100

106 31.6 24.4 36.6

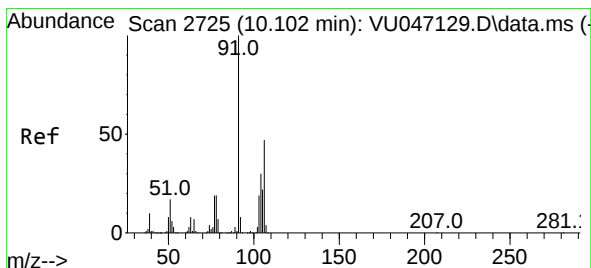
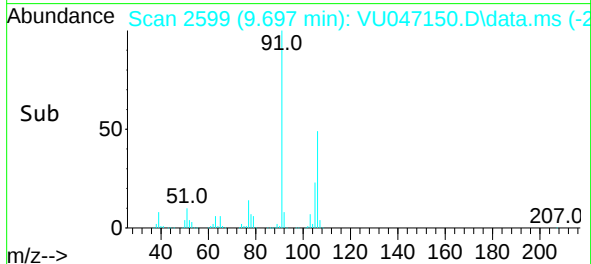
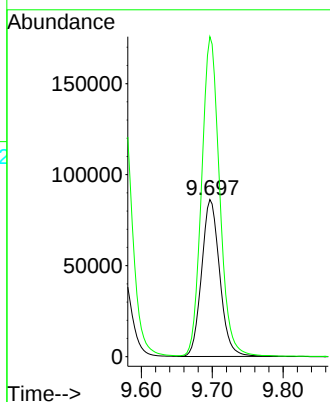
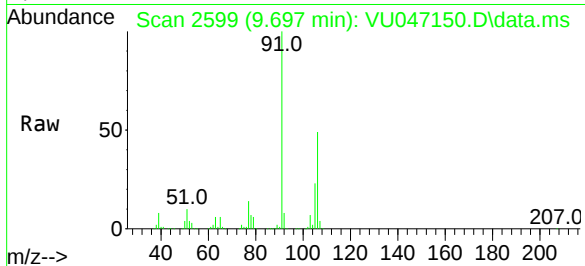




#64
m/p-Xylenes
Concen: 5.740 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. -0.000 min
Lab File: VU047150.D
Acq: 15 Feb 2022 15:12

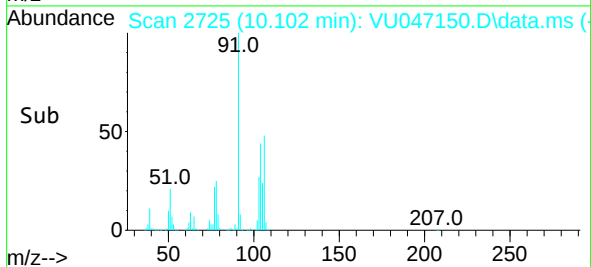
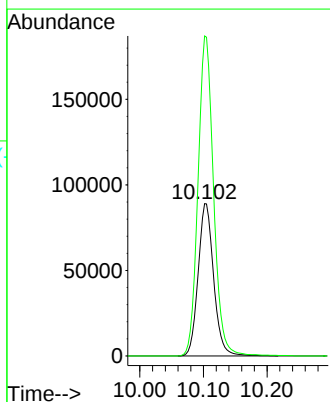
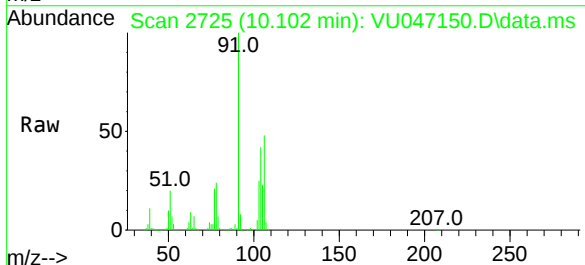
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

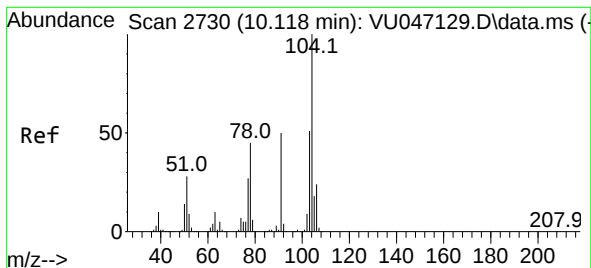
Tgt Ion:106 Resp: 152821
Ion Ratio Lower Upper
106 100
91 203.1 165.5 248.3



#65
o-Xylene
Concen: 5.850 ug/l
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU047150.D
Acq: 15 Feb 2022 15:12

Tgt Ion:106 Resp: 150859
Ion Ratio Lower Upper
106 100
91 211.0 109.4 328.2





#66

Styrene

Concen: 8.988 ug/l

RT: 10.118 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU047150.D

Acq: 15 Feb 2022 15:12

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WSDL

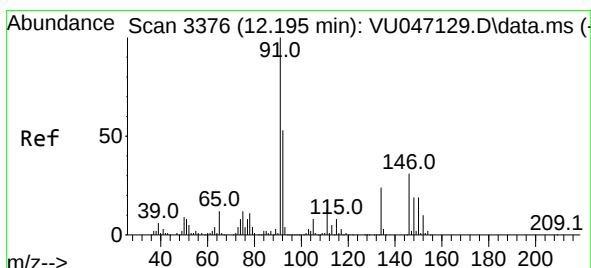
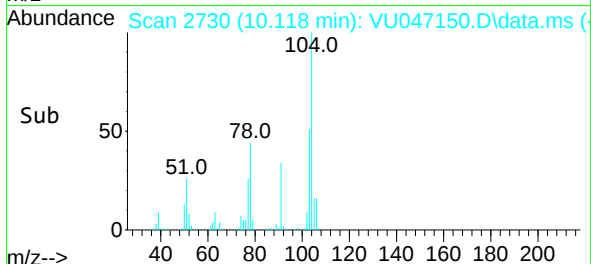
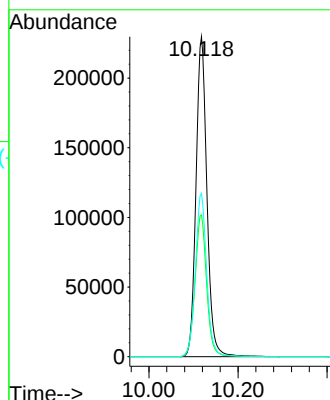
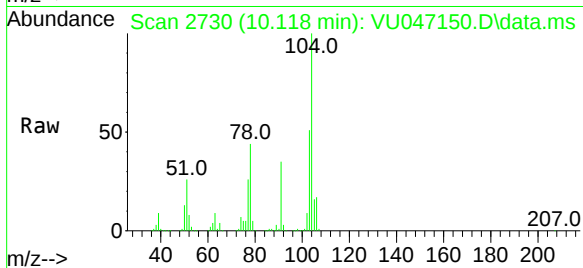
Tgt Ion:104 Resp: 393404

Ion Ratio Lower Upper

104 100

78 46.9 42.4 63.6

103 53.1 44.2 66.4



#68

1,2-Dichlorobenzene-d4

Concen: 0.980 ug/l

RT: 12.195 min Scan# 3376

Delta R.T. -0.000 min

Lab File: VU047150.D

Acq: 15 Feb 2022 15:12

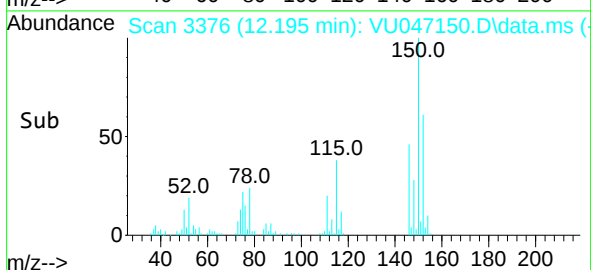
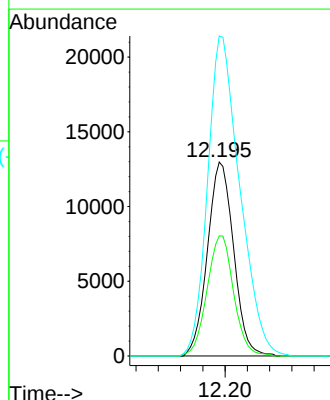
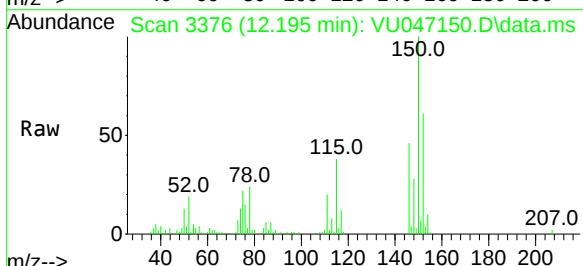
Tgt Ion:152 Resp: 21196

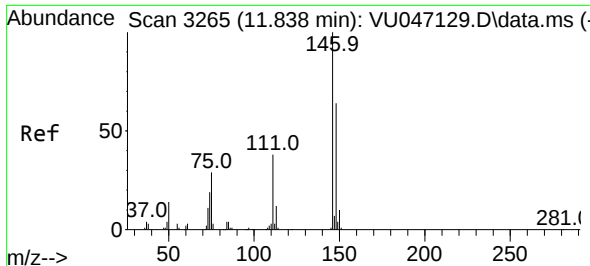
Ion Ratio Lower Upper

152 100

115 62.9 0.0 251.0

150 202.4 0.0 613.8

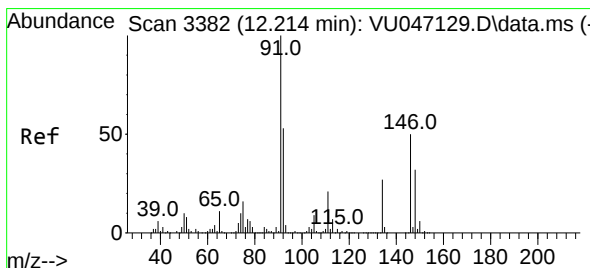
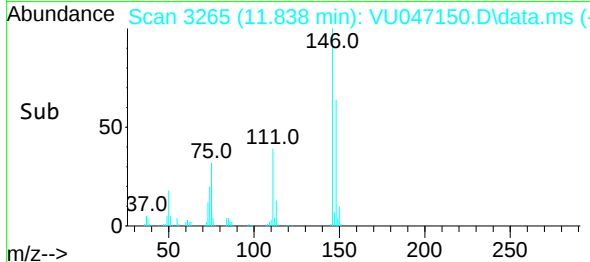
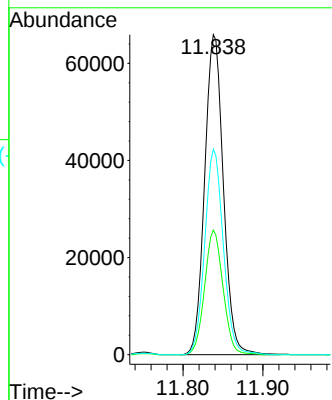
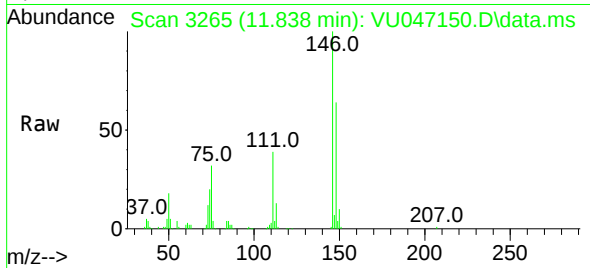




#83
 1,4-Dichlorobenzene
 Concen: 3.233 ug/l
 RT: 11.838 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU047150.D
 Acq: 15 Feb 2022 15:12

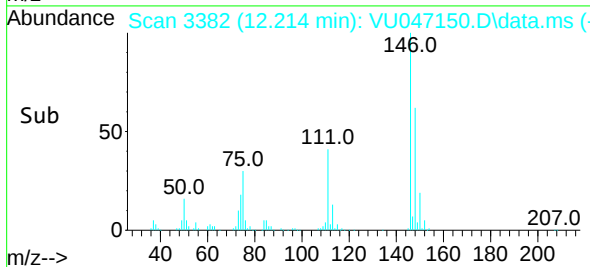
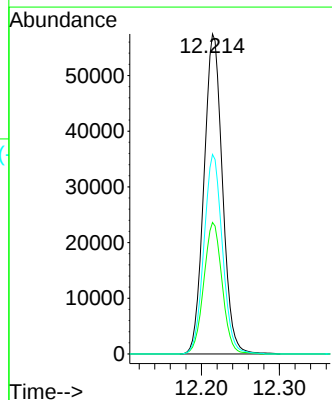
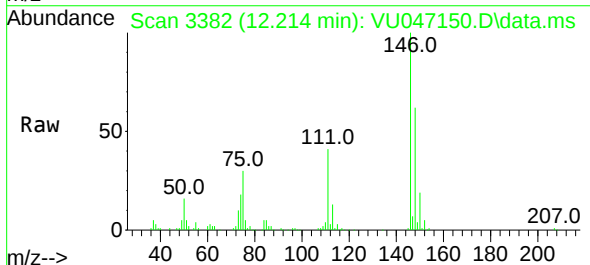
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL

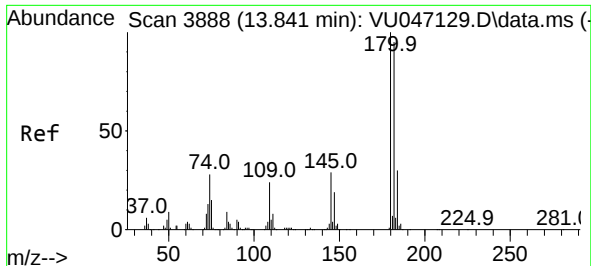
Tgt Ion:146 Resp: 107402
 Ion Ratio Lower Upper
 146 100
 111 38.3 32.7 49.1
 148 63.8 51.4 77.0



#85
 1,2-Dichlorobenzene
 Concen: 2.977 ug/l
 RT: 12.214 min Scan# 3382
 Delta R.T. -0.000 min
 Lab File: VU047150.D
 Acq: 15 Feb 2022 15:12

Tgt Ion:146 Resp: 94494
 Ion Ratio Lower Upper
 146 100
 111 40.8 22.1 66.1
 148 62.3 31.6 94.7





#87

1,2,4-Trichlorobenzene

Concen: 2.136 ug/l

RT: 13.844 min Scan# 3888

Delta R.T. 0.003 min

Lab File: VU047150.D

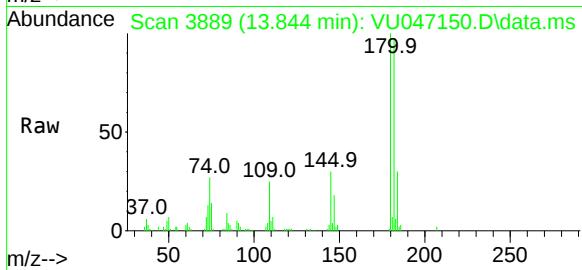
Acq: 15 Feb 2022 15:12

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WSDL



Tgt Ion:180 Resp: 53233

Ion Ratio Lower Upper

180 100

182 96.9 75.8 113.8

145 30.0 25.3 37.9

