

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090324\
 Data File : VU060591.D
 Acq On : 03 Sep 2024 17:42
 Operator : MD/SY
 Sample : P3810-01DL 2X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL

Quant Time: Sep 04 05:46:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

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

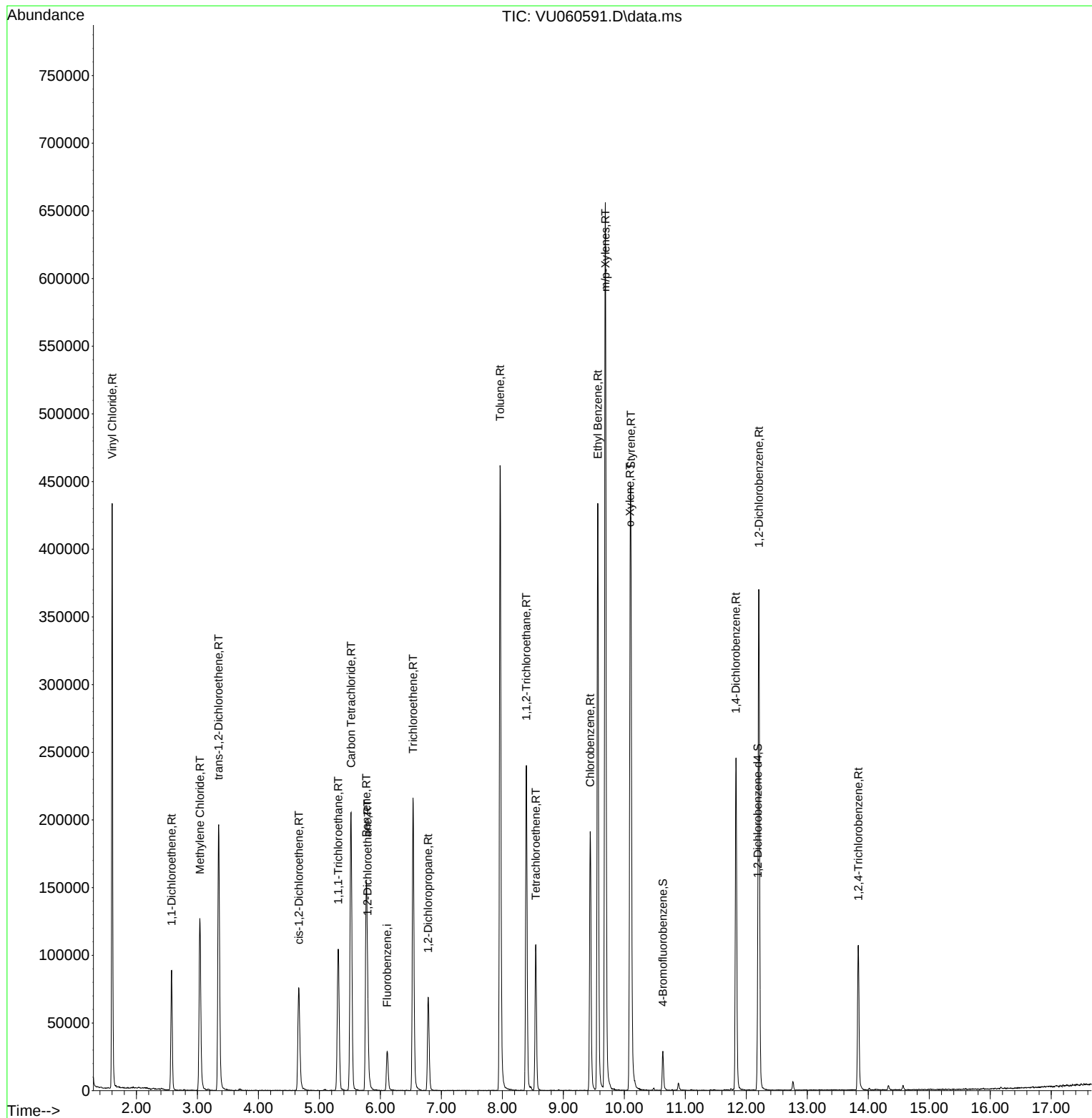
Internal Standards						
1) Fluorobenzene	6.110	96	29113	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	10592	1.068	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	10714	0.994	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.602	62	305409	23.862	ug/l	99
9) 1,1-Dichloroethene	2.576	96	29947	3.441	ug/l	99
15) Methylene Chloride	3.039	84	64119	5.885	ug/l	94
16) trans-1,2-Dichloroethene	3.348	96	83888	8.995	ug/l	94
22) cis-1,2-Dichloroethene	4.663	96	41964	4.200	ug/l	89
28) 1,1,1-Trichloroethane	5.309	97	76829	5.272	ug/l	99
30) Carbon Tetrachloride	5.518	117	146096	12.301	ug/l	97
35) Benzene	5.769	78	134666	3.742	ug/l	99
36) 1,2-Dichloroethane	5.788	62	47026	4.703	ug/l	95
37) Trichloroethene	6.534	130	76252	8.560	ug/l	98
38) 1,2-Dichloropropane	6.782	63	28039	2.880	ug/l	96
49) Toluene	7.962	92	195369	9.792	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	75408	10.432	ug/l	99
58) Tetrachloroethene	8.547	164	23785	2.988	ug/l	96
59) Chlorobenzene	9.441	112	109346	5.062	ug/l	100
63) Ethyl Benzene	9.563	91	301564	7.377	ug/l	100
64) m/p-Xylenes	9.689	106	190906	11.808	ug/l	100
65) o-Xylene	10.094	106	71490	4.774	ug/l	93
66) Styrene	10.107	104	159568	6.084	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	104529	5.689	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	152417	8.514	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	36640	3.579	ug/l	99

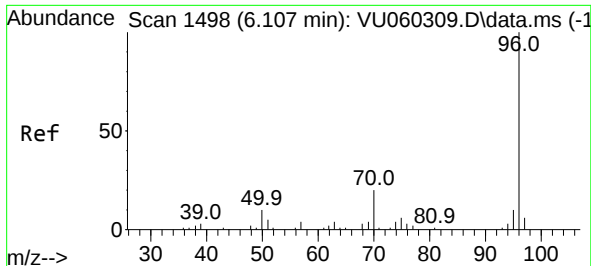
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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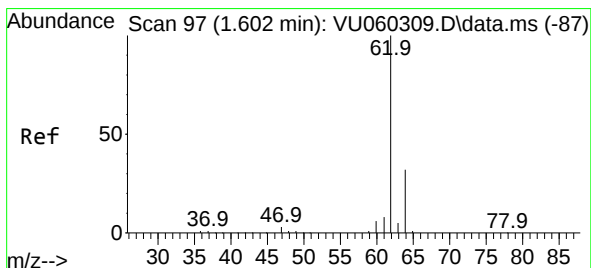
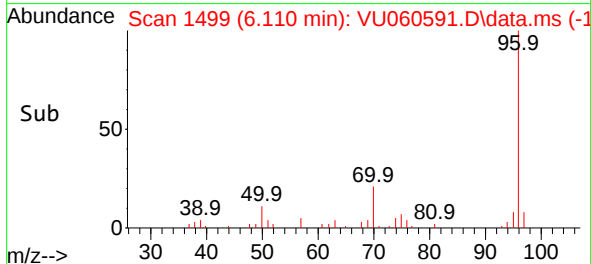
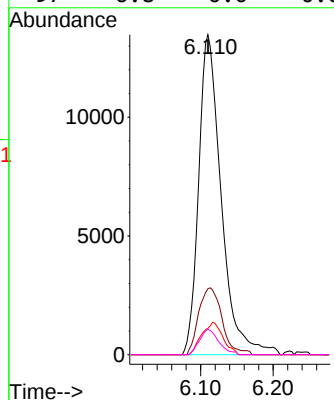
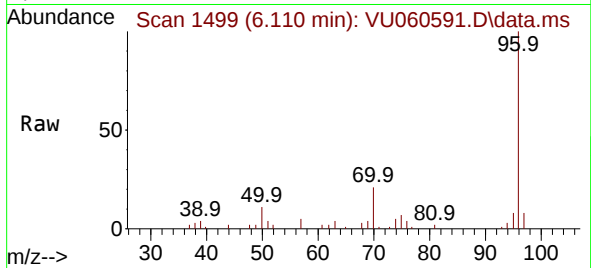




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 1498
Delta R.T. 0.003 min
Lab File: VU060591.D
Acq: 03 Sep 2024 17:42

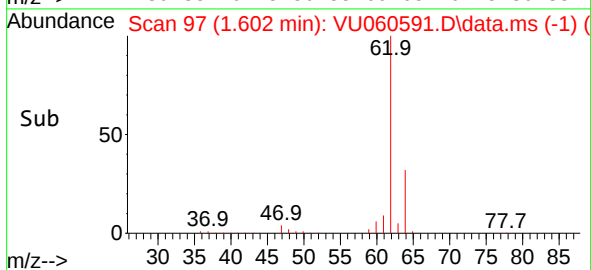
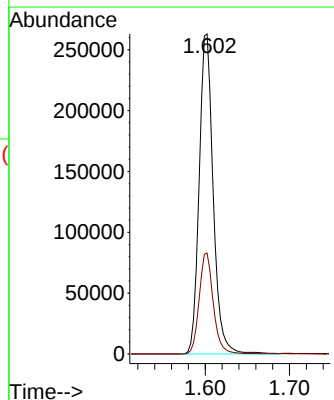
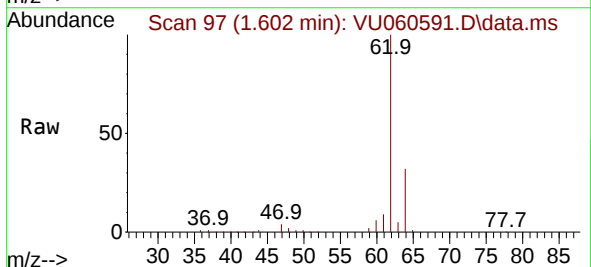
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

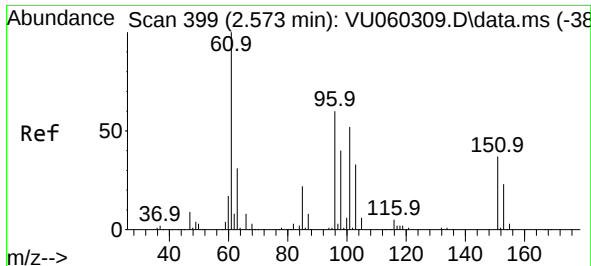
Tgt Ion: 96	Resp: 29113
Ion Ratio	Lower Upper
96 100	
70 21.6	17.2 25.8
95 9.5	7.9 11.9
97 6.8	0.0 0.0



#4
Vinyl Chloride
Concen: 23.862 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU060591.D
Acq: 03 Sep 2024 17:42

Tgt Ion: 62	Resp: 305409
Ion Ratio	Lower Upper
62 100	
64 31.6	25.8 38.6

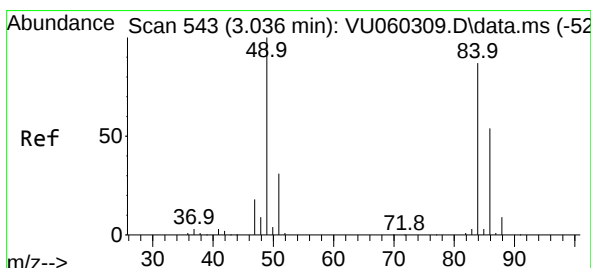
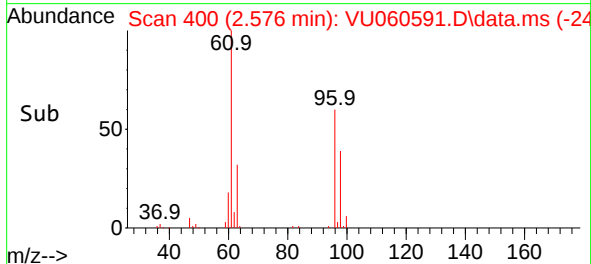
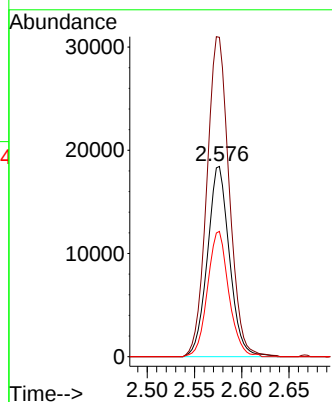
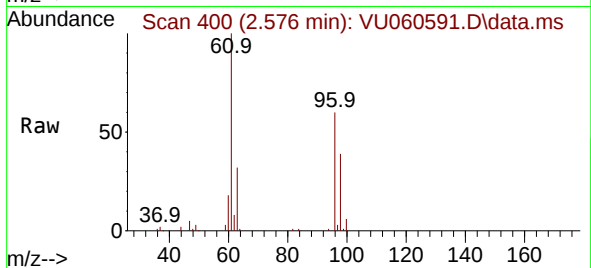




#9
1,1-Dichloroethene
Concen: 3.441 ug/l
RT: 2.576 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU060591.D
Acq: 03 Sep 2024 17:42

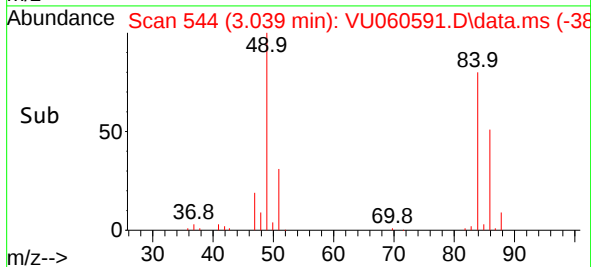
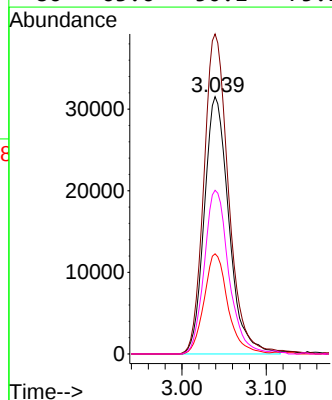
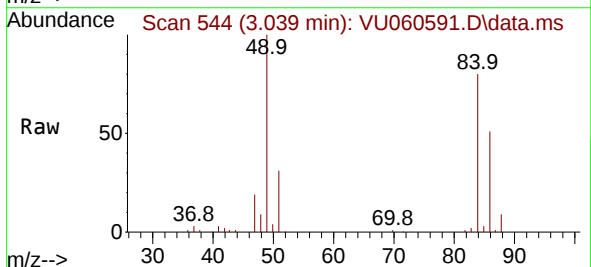
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

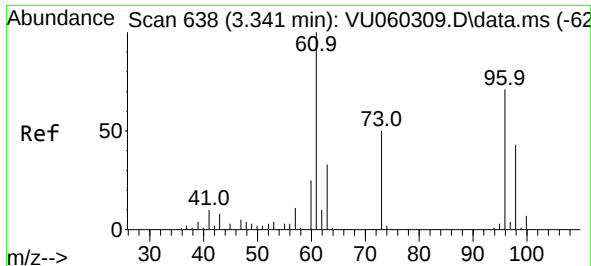
Tgt Ion: 96 Resp: 29947
Ion Ratio Lower Upper
96 100
61 167.8 0.0 495.9
98 65.9 0.0 131.6



#15
Methylene Chloride
Concen: 5.885 ug/l
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU060591.D
Acq: 03 Sep 2024 17:42

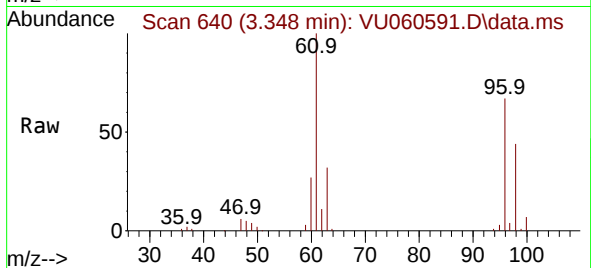
Tgt Ion: 84 Resp: 64119
Ion Ratio Lower Upper
84 100
49 124.4 92.1 138.1
51 38.9 0.0 72.4
86 63.6 50.1 75.1



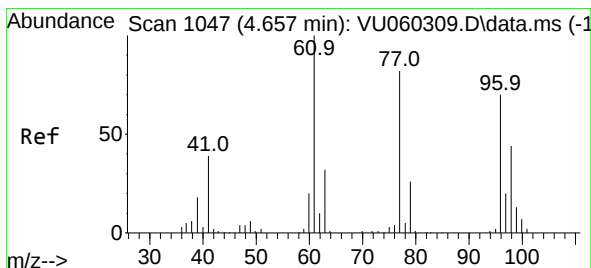
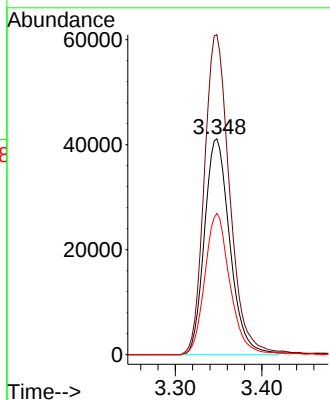
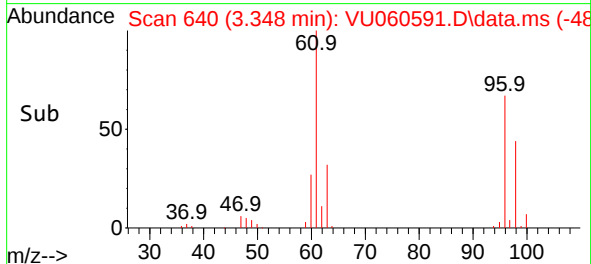


#16
trans-1,2-Dichloroethene
Concen: 8.995 ug/l
RT: 3.348 min Scan# 640
Delta R.T. 0.007 min
Lab File: VU060591.D
Acq: 03 Sep 2024 17:42

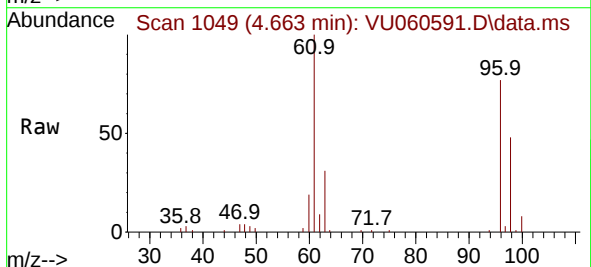
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL



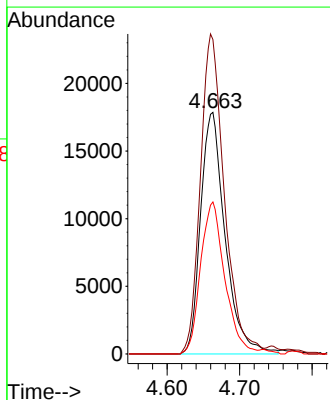
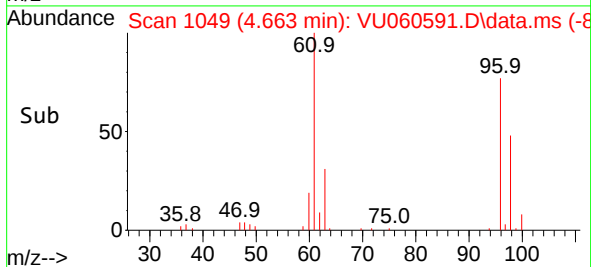
Tgt Ion: 96 Resp: 83888
Ion Ratio Lower Upper
96 100
61 148.2 112.8 169.2
98 65.4 48.7 73.1

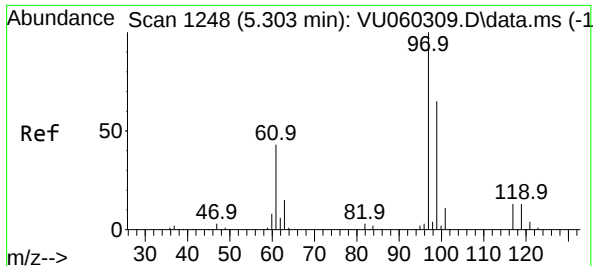


#22
cis-1,2-Dichloroethene
Concen: 4.200 ug/l
RT: 4.663 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU060591.D
Acq: 03 Sep 2024 17:42



Tgt Ion: 96 Resp: 41964
Ion Ratio Lower Upper
96 100
61 129.5 0.0 372.8
98 62.0 31.8 95.4





#28

1,1,1-Trichloroethane

Concen: 5.272 ug/l

RT: 5.309 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU060591.D

Acq: 03 Sep 2024 17:42

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WSDL

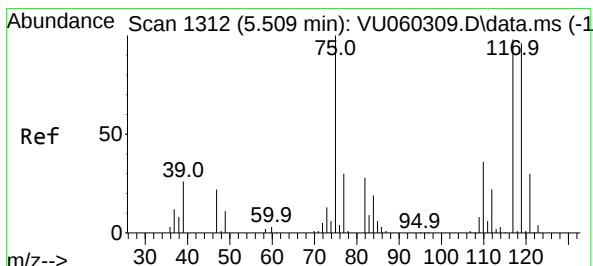
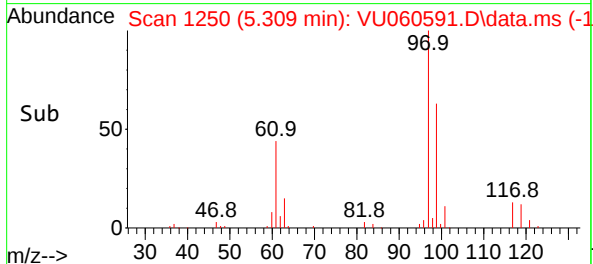
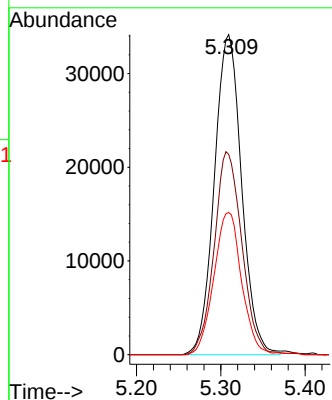
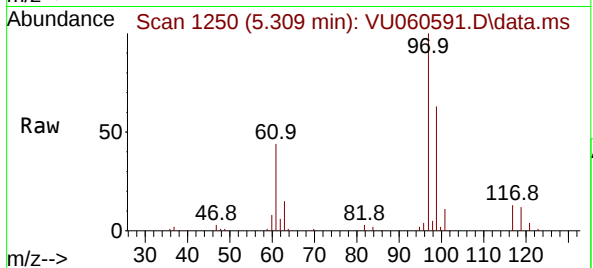
Tgt Ion: 97 Resp: 76829

Ion Ratio Lower Upper

97 100

99 64.6 32.8 98.4

61 45.0 22.3 66.9



#30

Carbon Tetrachloride

Concen: 12.301 ug/l

RT: 5.518 min Scan# 1315

Delta R.T. 0.010 min

Lab File: VU060591.D

Acq: 03 Sep 2024 17:42

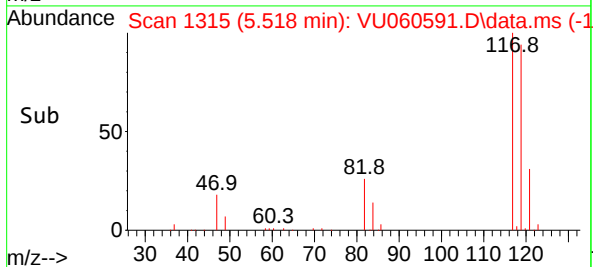
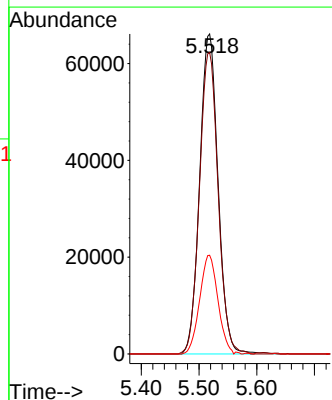
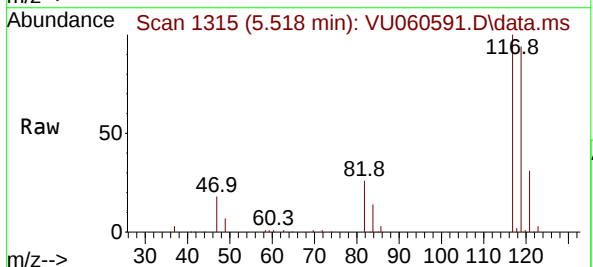
Tgt Ion: 117 Resp: 146096

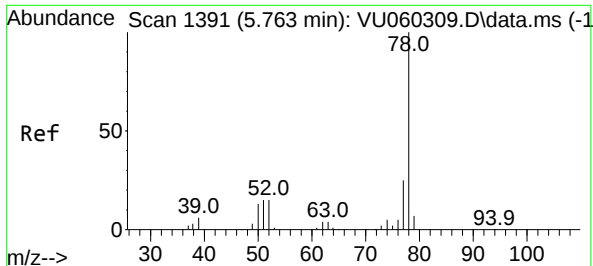
Ion Ratio Lower Upper

117 100

119 94.2 77.8 116.6

121 30.9 24.2 36.2





#35

Benzene

Concen: 3.742 ug/l

RT: 5.769 min Scan# 1393

Delta R.T. 0.007 min

Lab File: VU060591.D

Acq: 03 Sep 2024 17:42

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ClientSampleId :

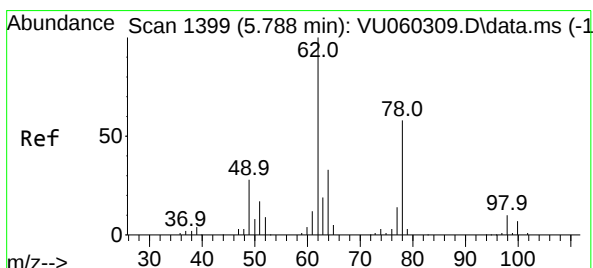
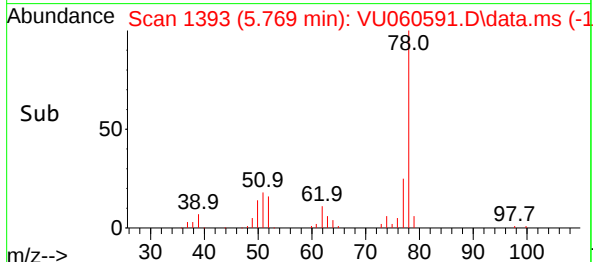
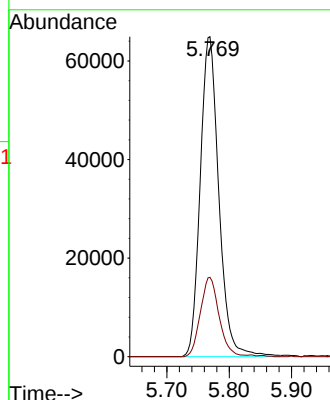
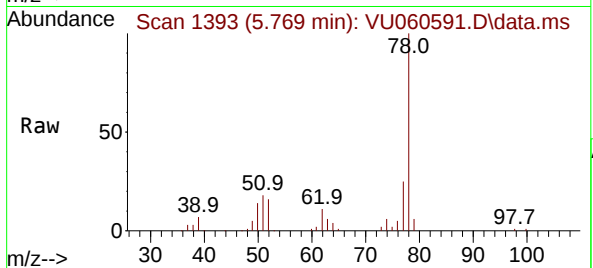
PT-RVOA-WSDL

Tgt Ion: 78 Resp: 134666

Ion Ratio Lower Upper

78 100

77 24.8 20.2 30.2



#36

1,2-Dichloroethane

Concen: 4.703 ug/l

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU060591.D

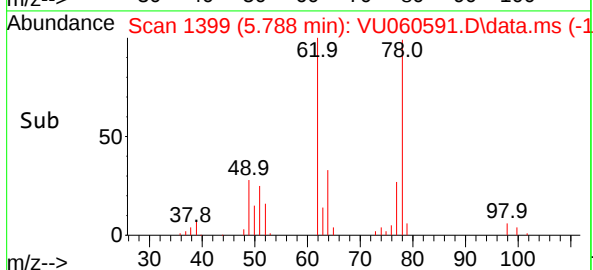
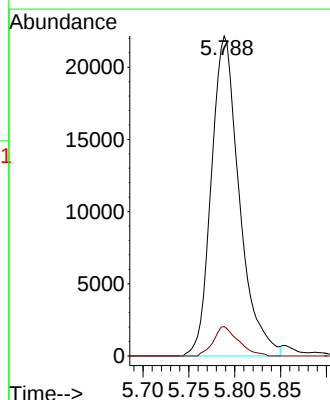
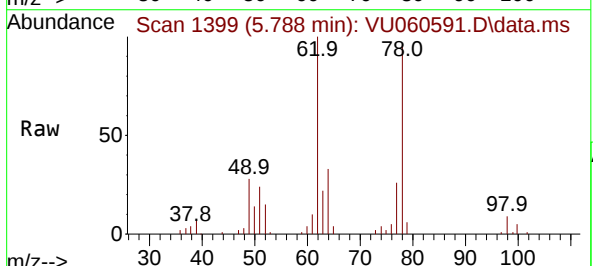
Acq: 03 Sep 2024 17:42

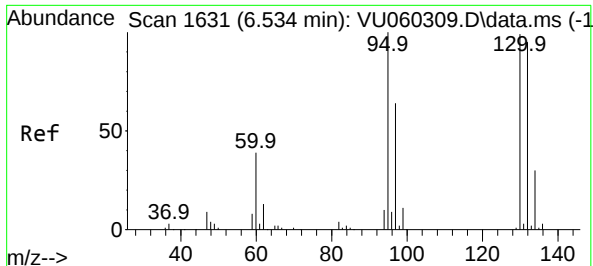
Tgt Ion: 62 Resp: 47026

Ion Ratio Lower Upper

62 100

98 8.2 8.1 12.1





#37

Trichloroethene

Concen: 8.560 ug/l

RT: 6.534 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU060591.D

Acq: 03 Sep 2024 17:42

Instrument :

MSVOA_U

ClientSampleId :

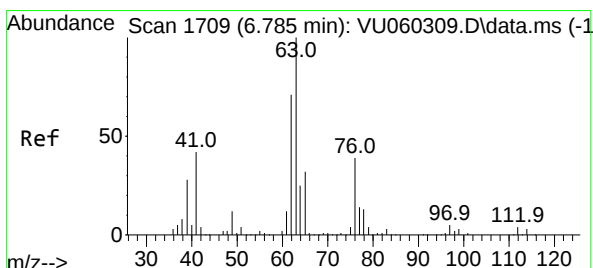
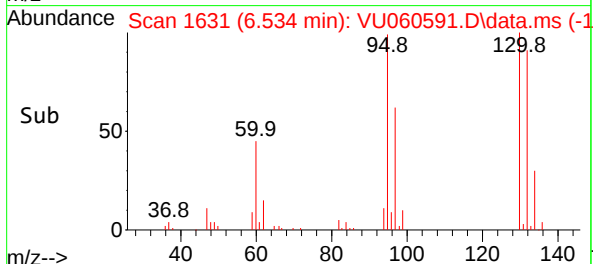
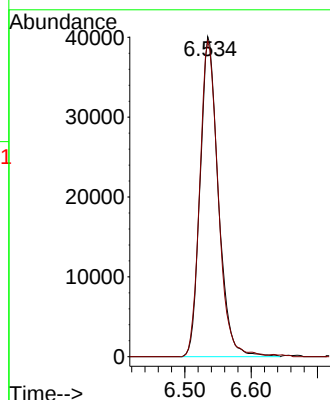
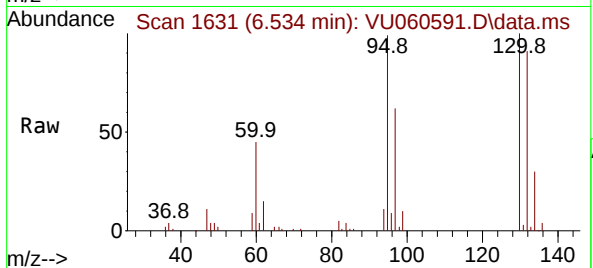
PT-RVOA-WSDL

Tgt Ion:130 Resp: 76252

Ion Ratio Lower Upper

130 100

95 98.6 80.6 121.0



#38

1,2-Dichloropropane

Concen: 2.880 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. -0.003 min

Lab File: VU060591.D

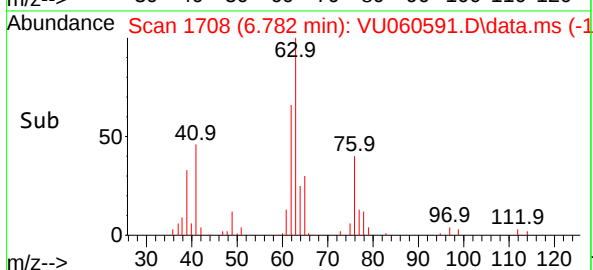
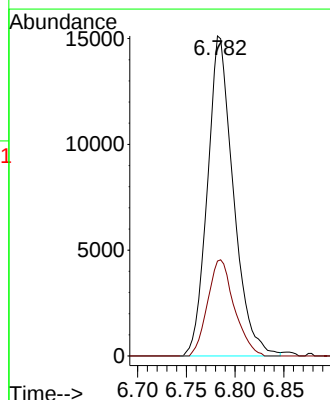
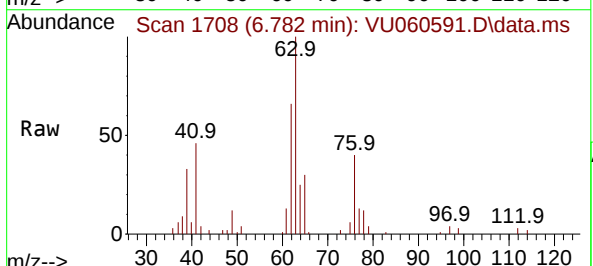
Acq: 03 Sep 2024 17:42

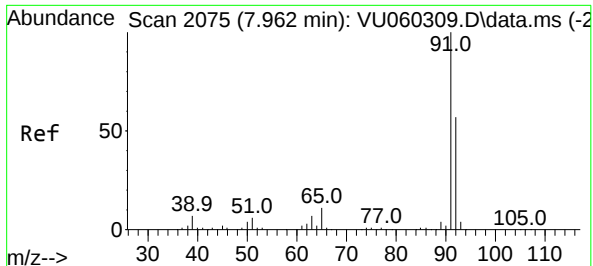
Tgt Ion: 63 Resp: 28039

Ion Ratio Lower Upper

63 100

65 29.7 25.6 38.4





#49

Toluene

Concen: 9.792 ug/l

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU060591.D

Acq: 03 Sep 2024 17:42

Instrument :

MSVOA_U

ClientSampleId :

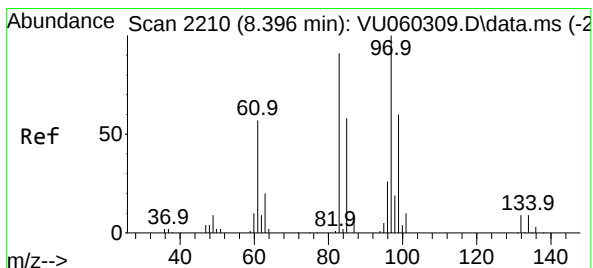
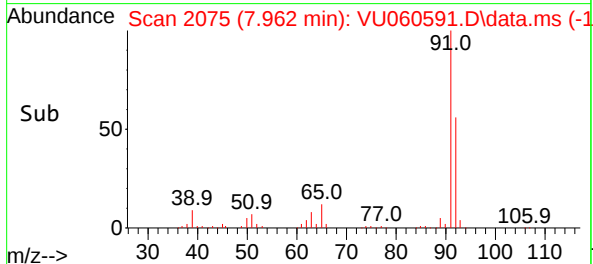
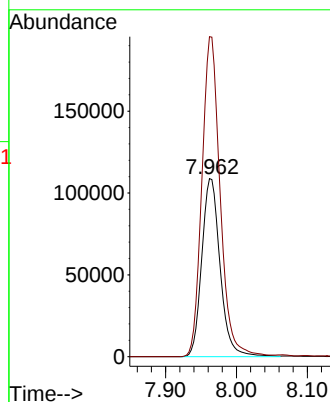
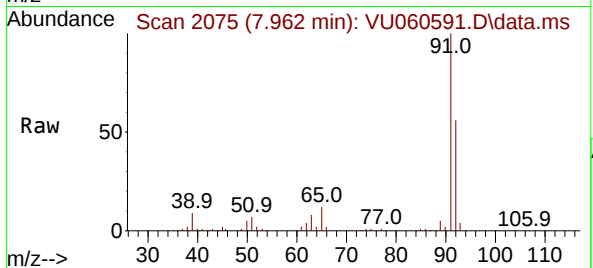
PT-RVOA-WSDL

Tgt Ion: 92 Resp: 195369

Ion Ratio Lower Upper

92 100

91 179.2 141.0 211.4



#52

1,1,2-Trichloroethane

Concen: 10.432 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. -0.003 min

Lab File: VU060591.D

Acq: 03 Sep 2024 17:42

Tgt Ion: 97 Resp: 75408

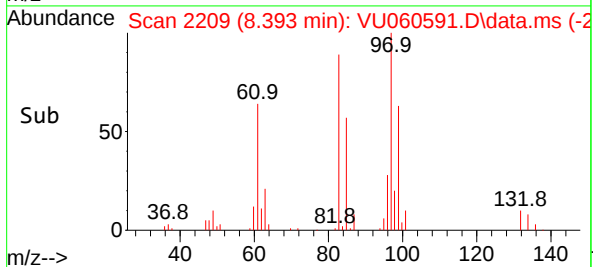
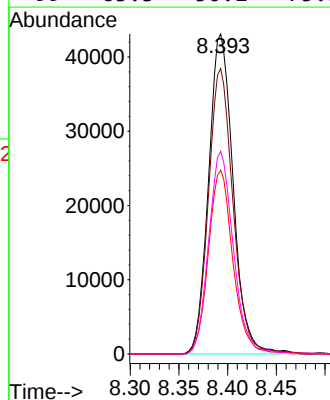
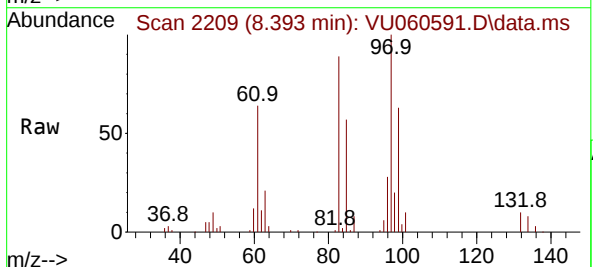
Ion Ratio Lower Upper

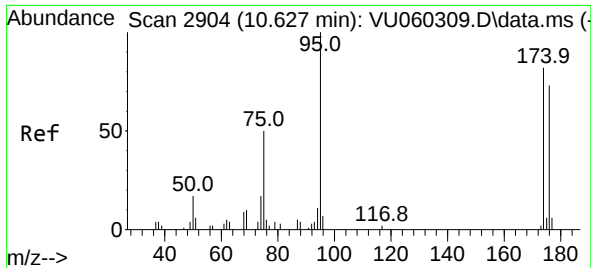
97 100

83 89.2 73.0 109.4

85 57.5 46.2 69.4

99 63.3 50.1 75.1

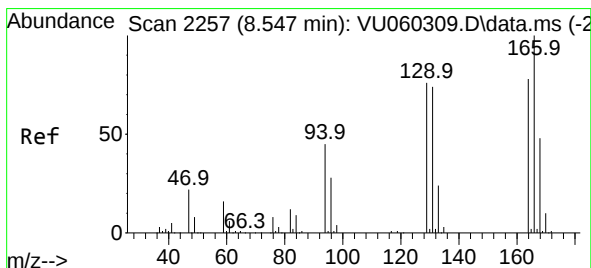
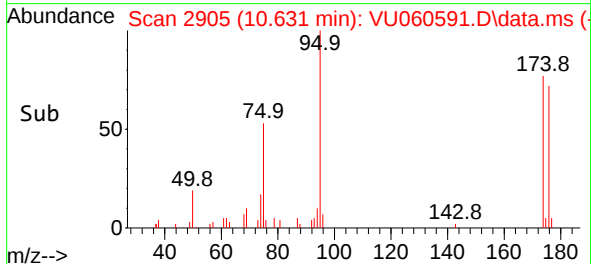
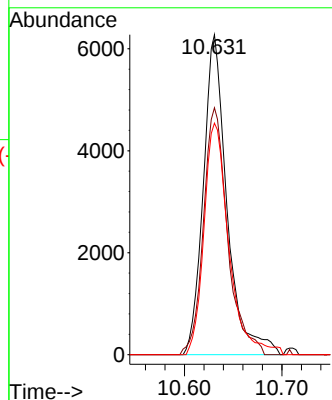
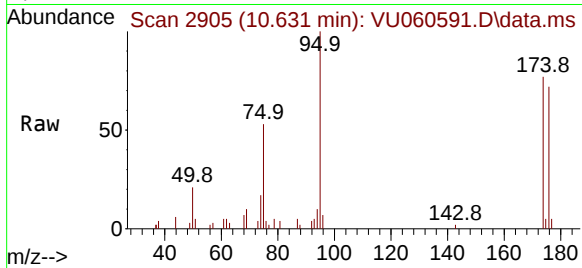




#57
4-Bromofluorobenzene
Concen: 1.068 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU060591.D
Acq: 03 Sep 2024 17:42

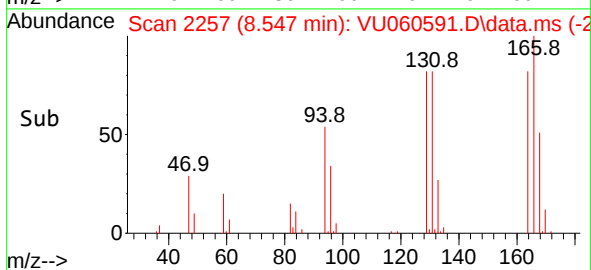
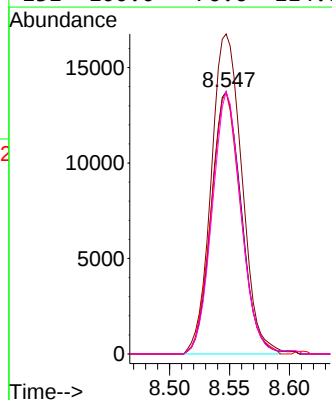
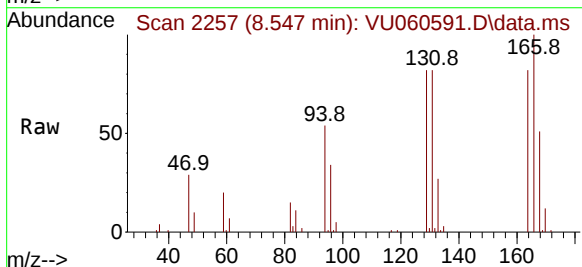
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

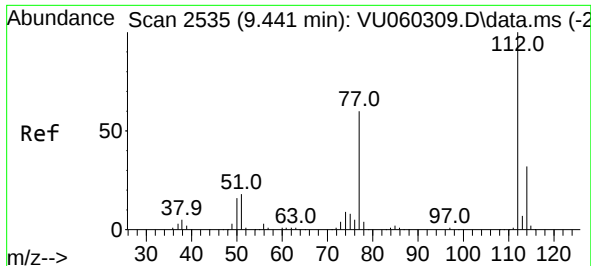
Tgt Ion: 95 Resp: 10592
Ion Ratio Lower Upper
95 100
174 78.7 65.6 98.4
176 76.1 60.4 90.6



#58
Tetrachloroethene
Concen: 2.988 ug/l
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU060591.D
Acq: 03 Sep 2024 17:42

Tgt Ion: 164 Resp: 23785
Ion Ratio Lower Upper
164 100
166 122.1 102.9 154.3
129 100.1 78.0 117.0
131 100.0 76.6 114.8





#59

Chlorobenzene

Concen: 5.062 ug/l

RT: 9.441 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU060591.D

Acq: 03 Sep 2024 17:42

Instrument :

MSVOA_U

ClientSampleId :

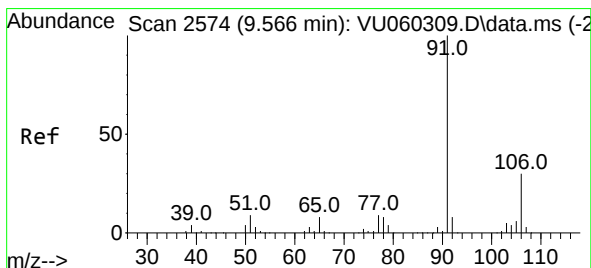
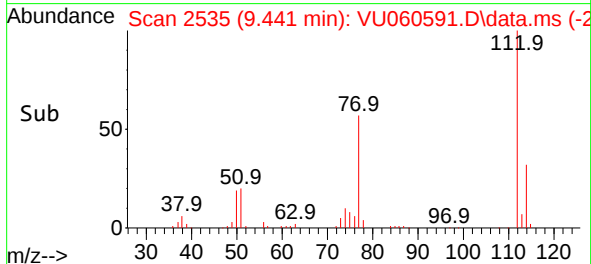
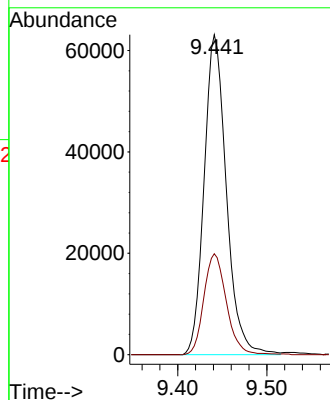
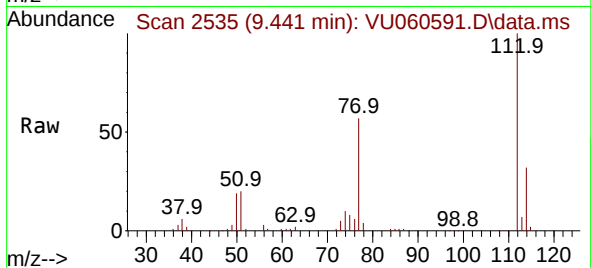
PT-RVOA-WSDL

Tgt Ion:112 Resp: 109346

Ion Ratio Lower Upper

112 100

114 31.5 25.3 37.9



#63

Ethyl Benzene

Concen: 7.377 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. -0.003 min

Lab File: VU060591.D

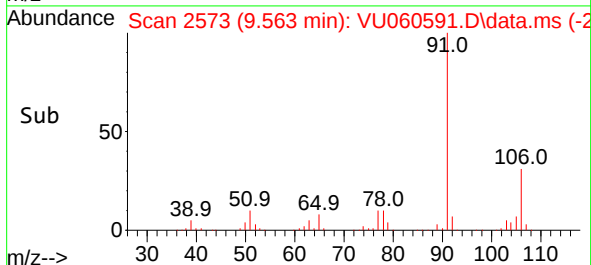
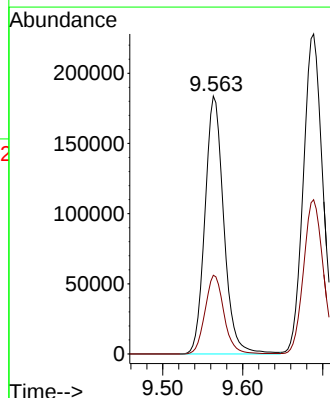
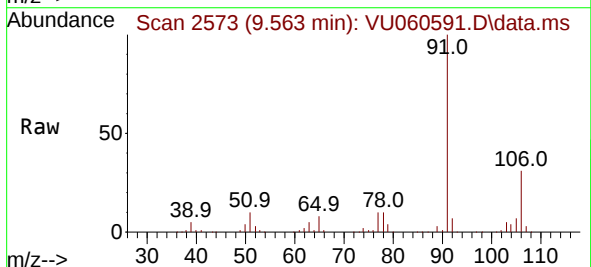
Acq: 03 Sep 2024 17:42

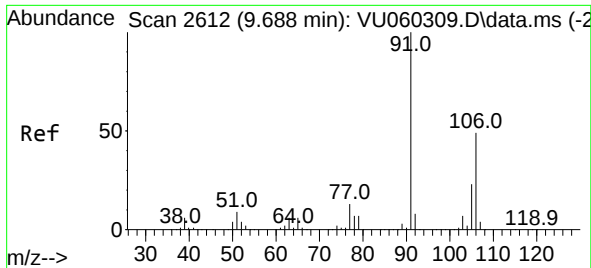
Tgt Ion: 91 Resp: 301564

Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6

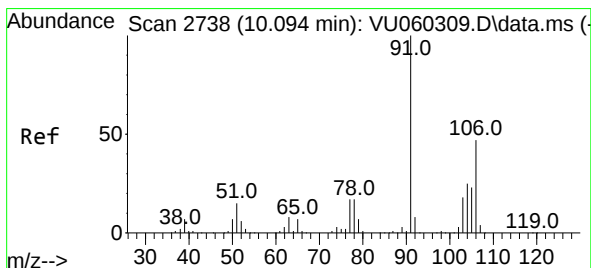
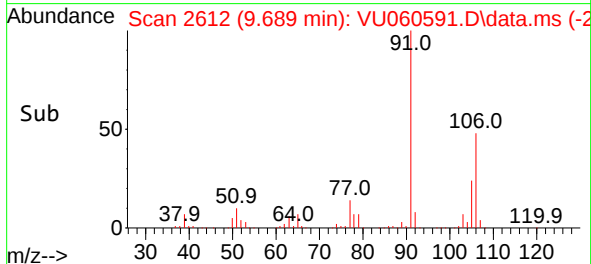
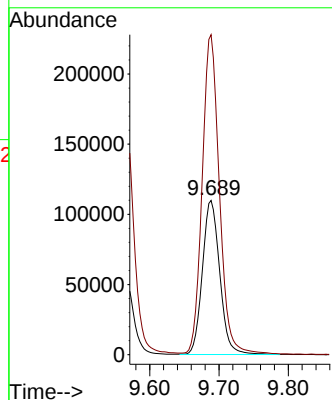
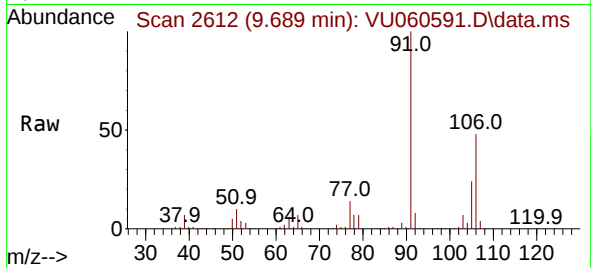




#64
m/p-Xylenes
Concen: 11.808 ug/l
RT: 9.689 min Scan# 2612
Delta R.T. 0.001 min
Lab File: VU060591.D
Acq: 03 Sep 2024 17:42

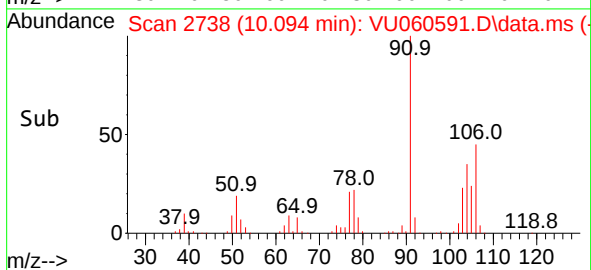
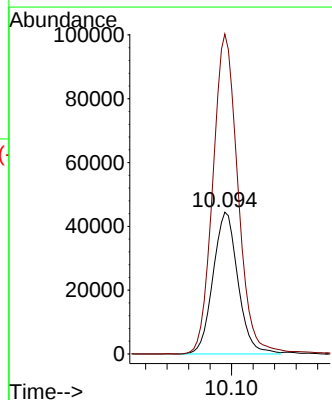
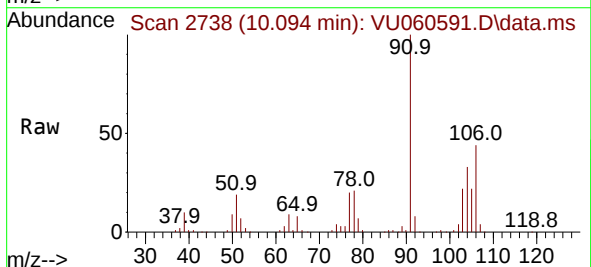
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WSDL

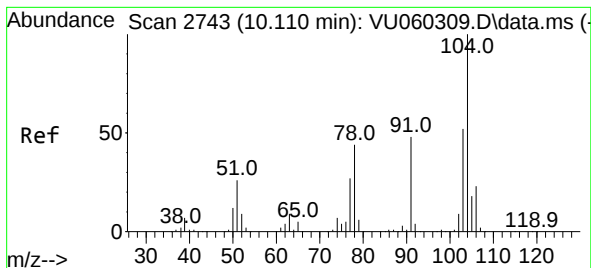
Tgt Ion:106 Resp: 190906
Ion Ratio Lower Upper
106 100
91 206.0 165.0 247.4



#65
o-Xylene
Concen: 4.774 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU060591.D
Acq: 03 Sep 2024 17:42

Tgt Ion:106 Resp: 71490
Ion Ratio Lower Upper
106 100
91 228.4 108.8 326.4





#66

Styrene

Concen: 6.084 ug/l

RT: 10.107 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU060591.D

Acq: 03 Sep 2024 17:42

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WSDL

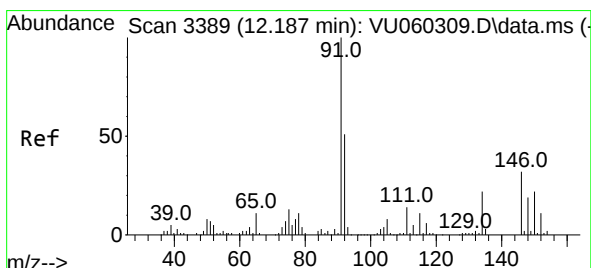
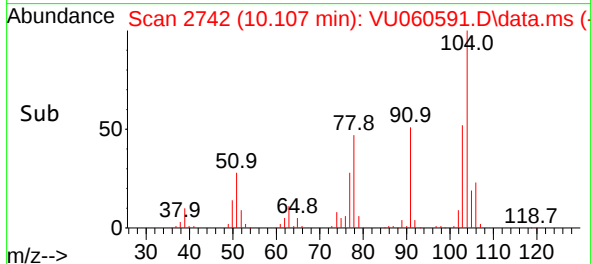
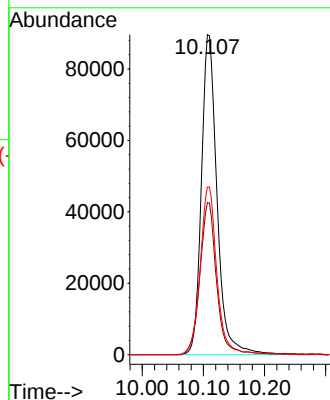
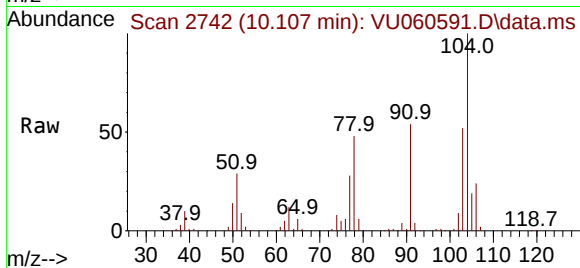
Tgt Ion:104 Resp: 159568

Ion Ratio Lower Upper

104 100

78 50.4 39.0 58.6

103 55.7 45.0 67.6



#68

1,2-Dichlorobenzene-d4

Concen: 0.994 ug/l

RT: 12.187 min Scan# 3389

Delta R.T. 0.000 min

Lab File: VU060591.D

Acq: 03 Sep 2024 17:42

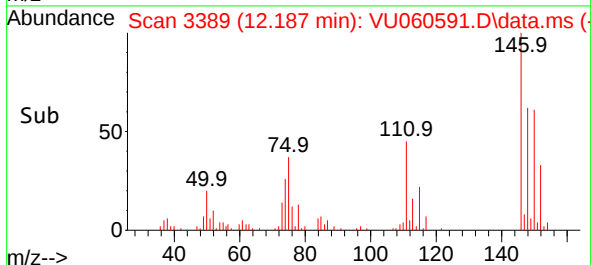
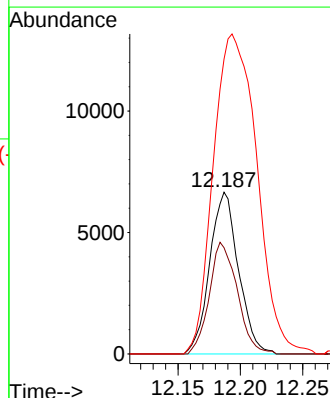
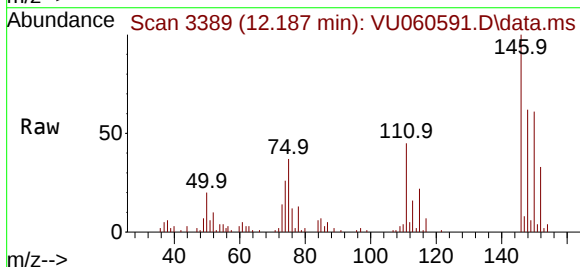
Tgt Ion:152 Resp: 10714

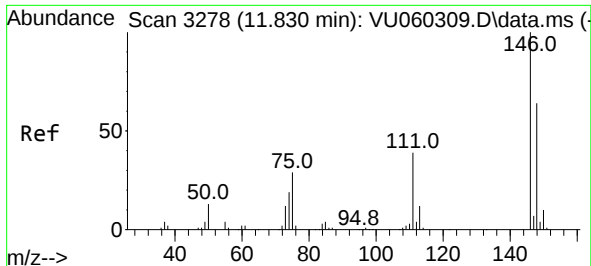
Ion Ratio Lower Upper

152 100

115 67.1 0.0 325.2

150 299.2 0.0 684.2

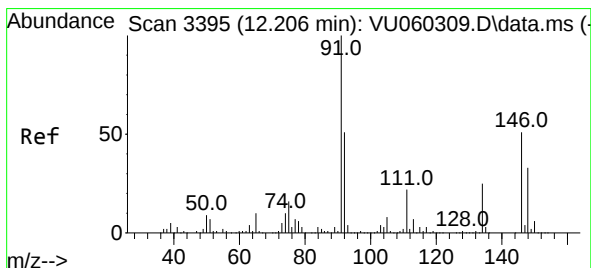
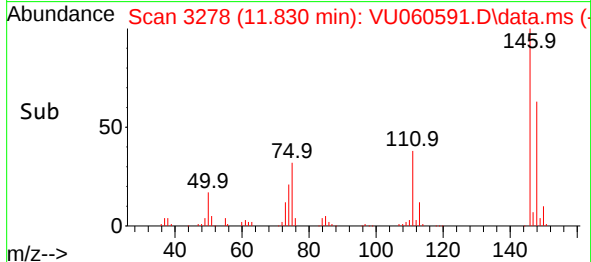
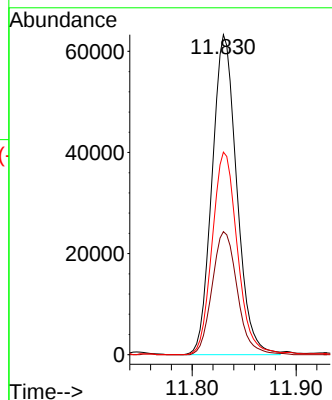
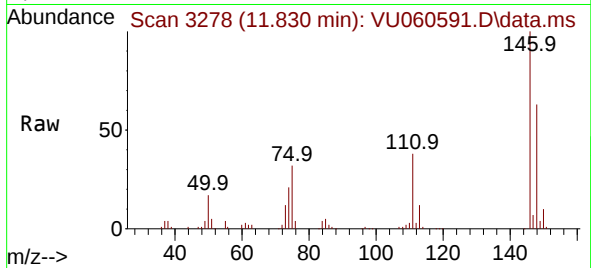




#83
 1,4-Dichlorobenzene
 Concen: 5.689 ug/l
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.000 min
 Lab File: VU060591.D
 Acq: 03 Sep 2024 17:42

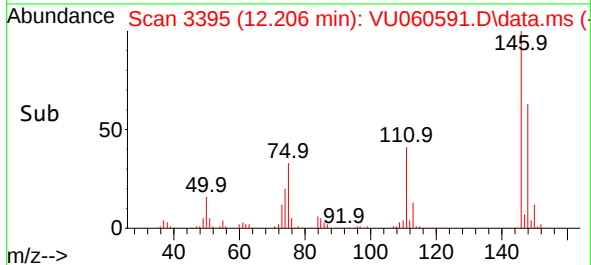
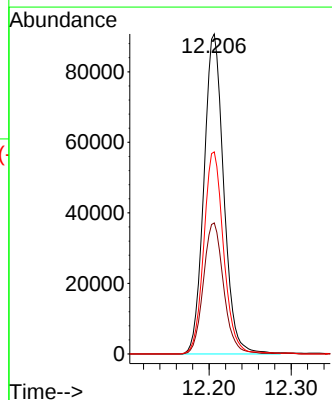
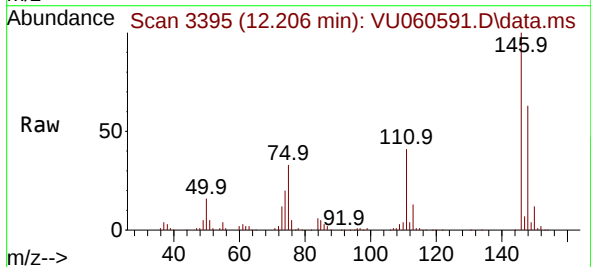
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WSDL

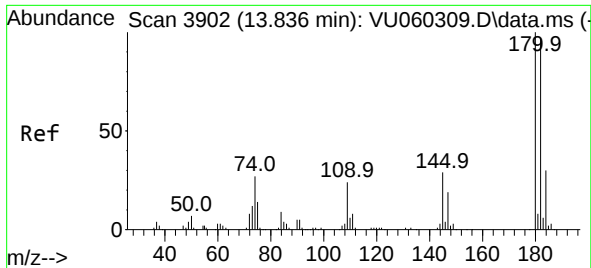
Tgt Ion:146 Resp: 104529
 Ion Ratio Lower Upper
 146 100
 111 39.2 30.9 46.3
 148 64.7 51.8 77.6



#85
 1,2-Dichlorobenzene
 Concen: 8.514 ug/l
 RT: 12.206 min Scan# 3395
 Delta R.T. 0.000 min
 Lab File: VU060591.D
 Acq: 03 Sep 2024 17:42

Tgt Ion:146 Resp: 152417
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.3 63.7
 148 63.5 32.0 96.0





#87

1,2,4-Trichlorobenzene

Concen: 3.579 ug/l

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU060591.D

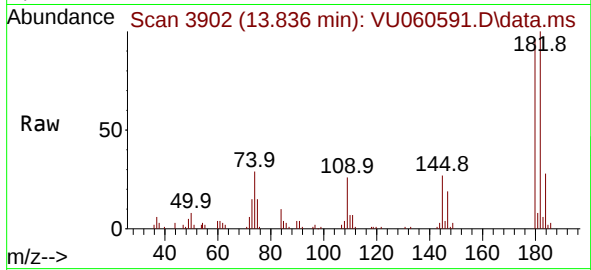
Acq: 03 Sep 2024 17:42

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WSDL



Tgt Ion:180 Resp: 36640

Ion Ratio Lower Upper

180 100

182 96.8 76.8 115.2

145 29.6 23.4 35.0

