

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090324\
 Data File : VU060587.D
 Acq On : 03 Sep 2024 16:05
 Operator : MD/SY
 Sample : P3810-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Quant Time: Sep 04 05:44:38 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)

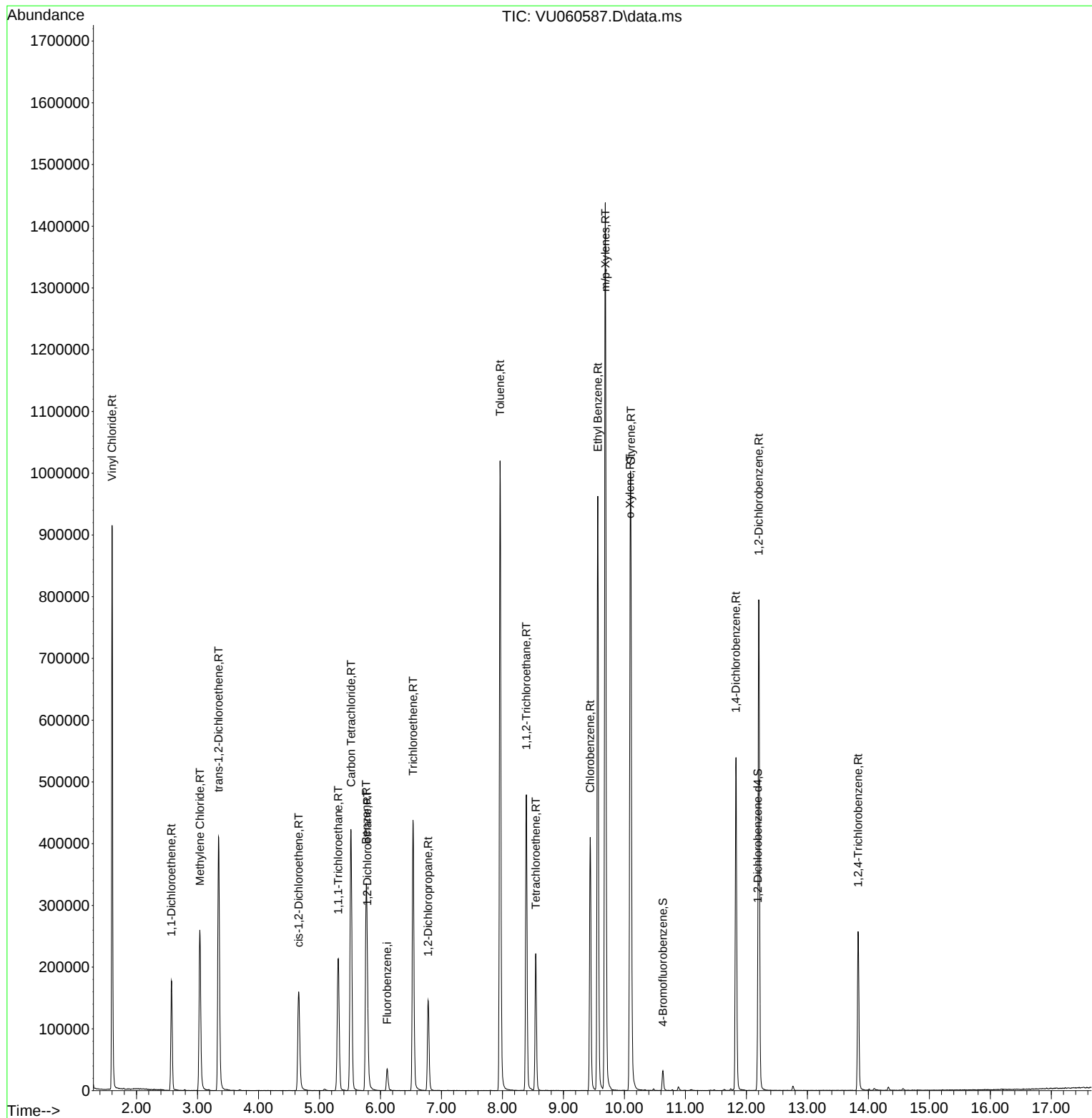
Internal Standards						
1) Fluorobenzene	6.110	96	33773	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	12168	1.057	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	11604	0.928	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.599	62	646368	43.533	ug/l	100
9) 1,1-Dichloroethene	2.573	96	62518	6.192	ug/l	98
15) Methylene Chloride	3.039	84	131163	10.377	ug/l	97
16) trans-1,2-Dichloroethene	3.345	96	176523	16.317	ug/l	94
22) cis-1,2-Dichloroethene	4.660	96	88299	7.619	ug/l	90
28) 1,1,1-Trichloroethane	5.309	97	159855	9.455	ug/l	99
30) Carbon Tetrachloride	5.518	117	298601	21.672	ug/l	97
35) Benzene	5.766	78	288050	6.900	ug/l	99
36) 1,2-Dichloroethane	5.785	62	100167	8.635	ug/l	97
37) Trichloroethene	6.534	130	152882	14.794	ug/l	98
38) 1,2-Dichloropropane	6.782	63	59760	5.292	ug/l	98
49) Toluene	7.962	92	421070	18.192	ug/l	99
52) 1,1,2-Trichloroethane	8.393	97	149351	17.810	ug/l	98
58) Tetrachloroethene	8.547	164	48152	5.214	ug/l	98
59) Chlorobenzene	9.441	112	227177	9.065	ug/l	99
63) Ethyl Benzene	9.563	91	671877	13.709	ug/l	99
64) m/p-Xylenes	9.688	106	412700	21.229	ug/l	99
65) o-Xylene	10.094	106	153472	8.458	ug/l	97
66) Styrene	10.106	104	344273	10.911	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	225124	10.563	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	319395	15.380	ug/l	100
87) 1,2,4-Trichlorobenzene	13.833	180	82922	6.982	ug/l	98

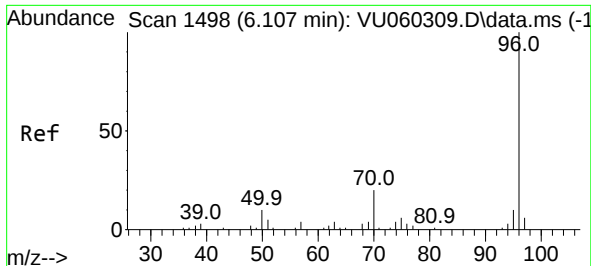
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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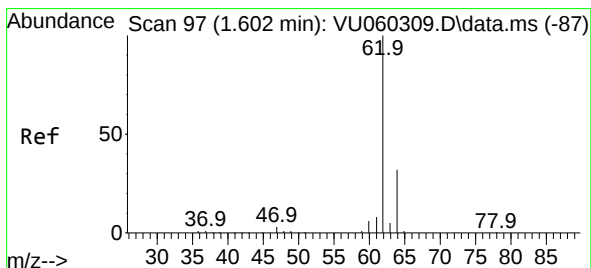
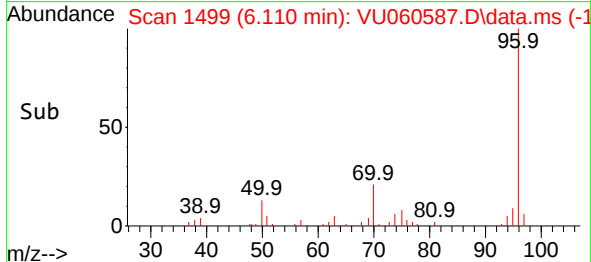
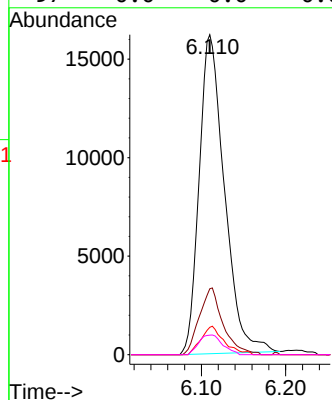
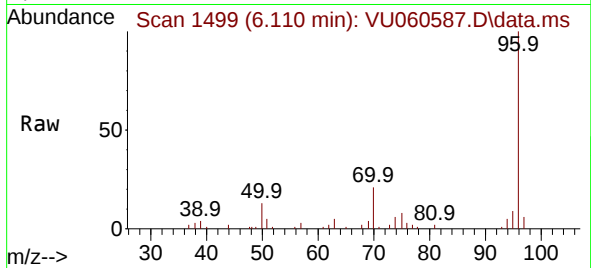




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 1498
Delta R.T. 0.003 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

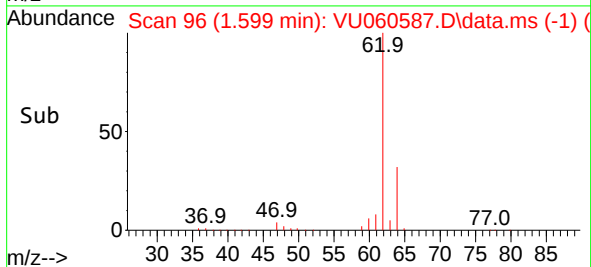
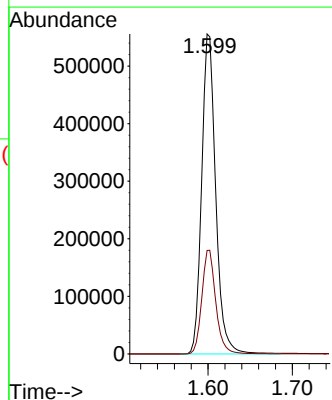
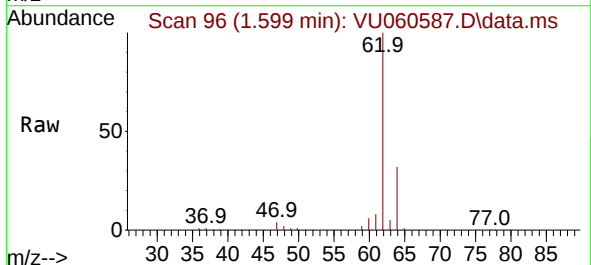
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

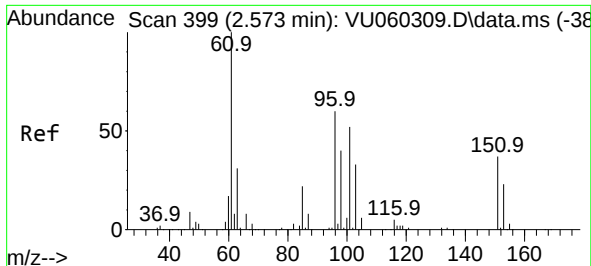
Tgt Ion: 96	Resp: 33773
Ion Ratio	Lower Upper
96 100	
70 19.6	17.2 25.8
95 0.0	7.9 11.9#
97 0.0	0.0 0.0



#4
Vinyl Chloride
Concen: 43.533 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

Tgt Ion: 62	Resp: 646368
Ion Ratio	Lower Upper
62 100	
64 32.3	25.8 38.6

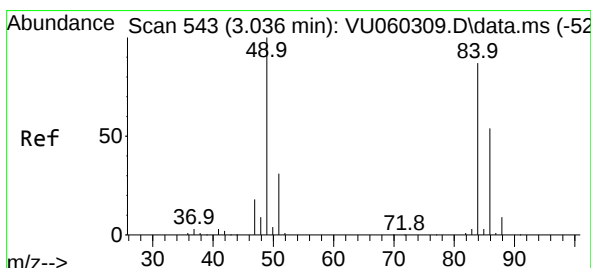
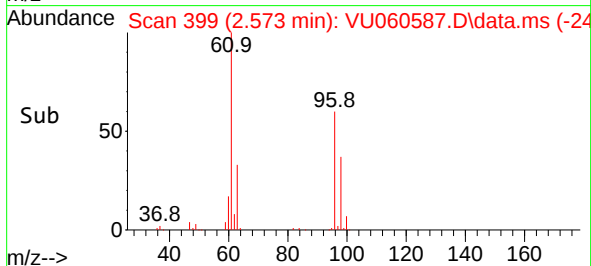
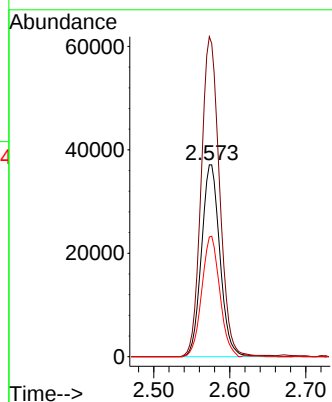
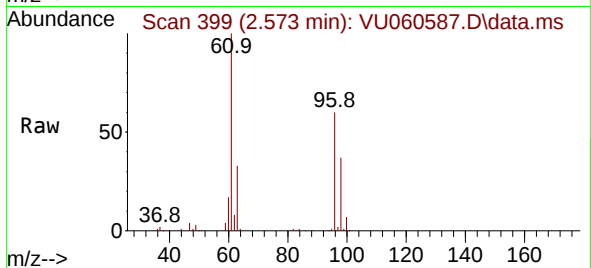




#9
1,1-Dichloroethene
Concen: 6.192 ug/l
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

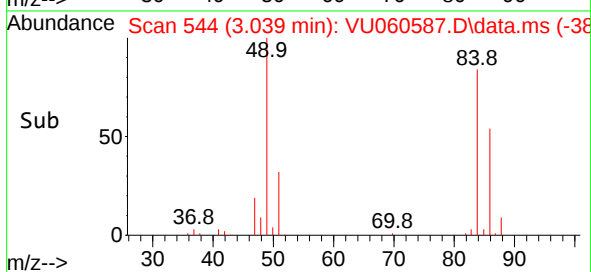
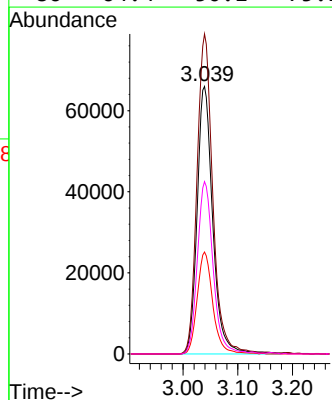
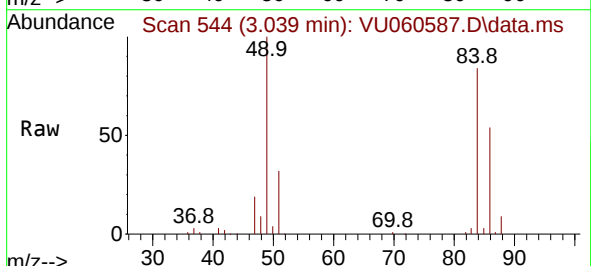
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

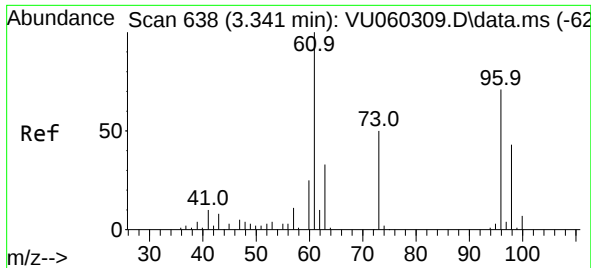
Tgt Ion: 96 Resp: 62518
Ion Ratio Lower Upper
96 100
61 166.8 0.0 495.9
98 62.4 0.0 131.6



#15
Methylene Chloride
Concen: 10.377 ug/l
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

Tgt Ion: 84 Resp: 131163
Ion Ratio Lower Upper
84 100
49 119.6 92.1 138.1
51 38.1 0.0 72.4
86 64.4 50.1 75.1

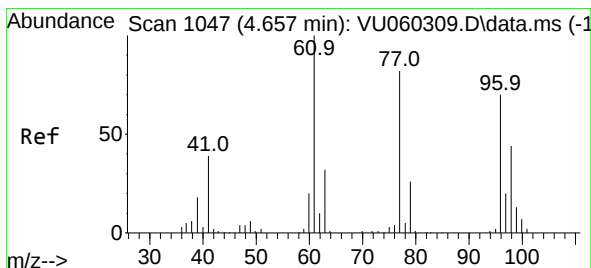
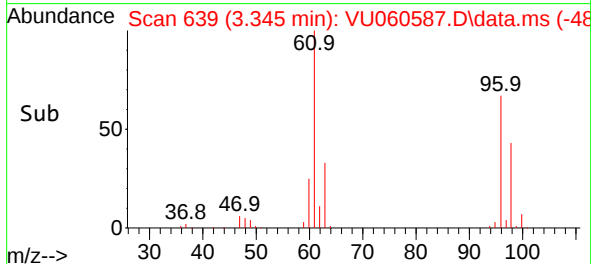
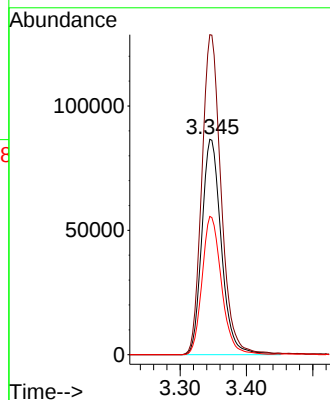
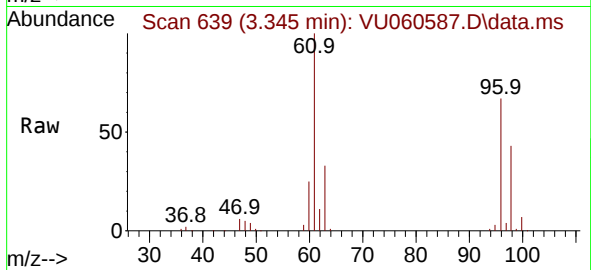




#16
trans-1,2-Dichloroethene
Concen: 16.317 ug/l
RT: 3.345 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

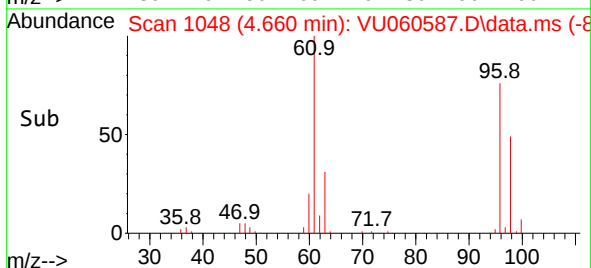
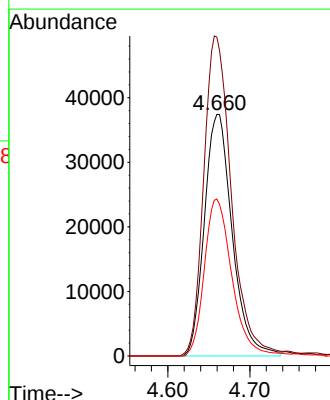
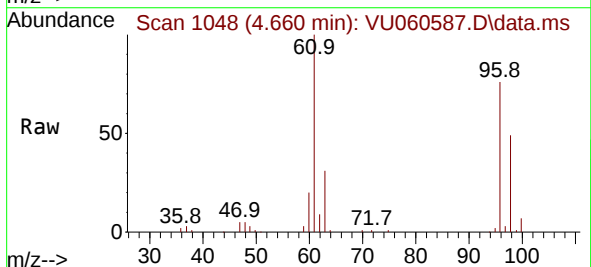
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

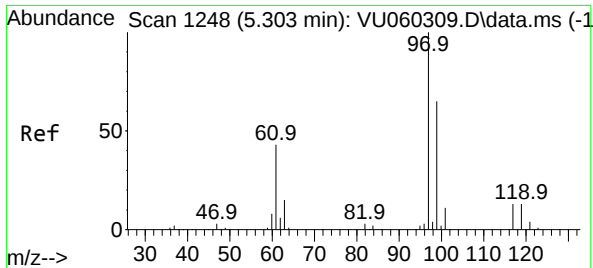
Tgt Ion: 96 Resp: 176523
Ion Ratio Lower Upper
96 100
61 148.6 112.8 169.2
98 64.2 48.7 73.1



#22
cis-1,2-Dichloroethene
Concen: 7.619 ug/l
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

Tgt Ion: 96 Resp: 88299
Ion Ratio Lower Upper
96 100
61 131.2 0.0 372.8
98 64.3 31.8 95.4

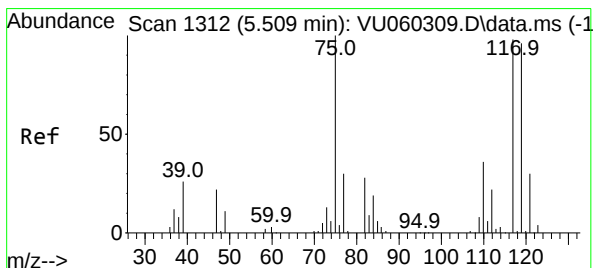
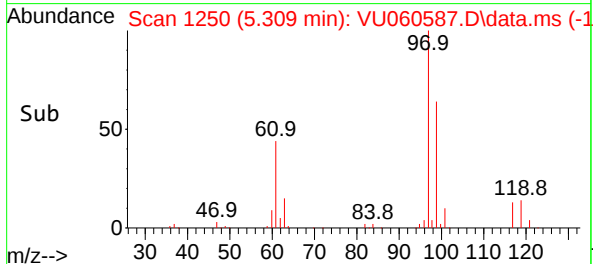
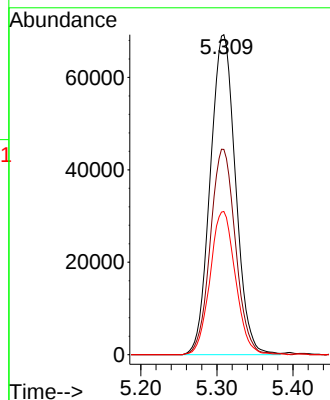
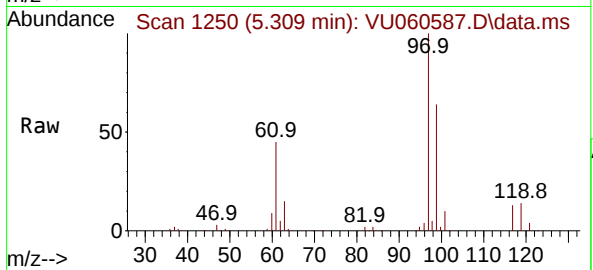




#28
1,1,1-Trichloroethane
Concen: 9.455 ug/l
RT: 5.309 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

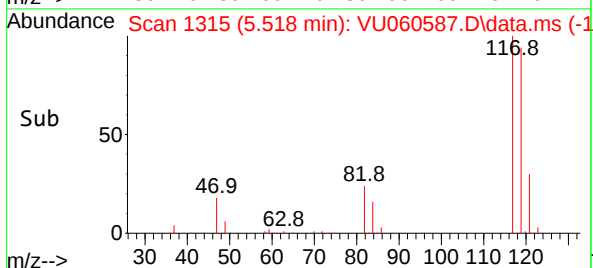
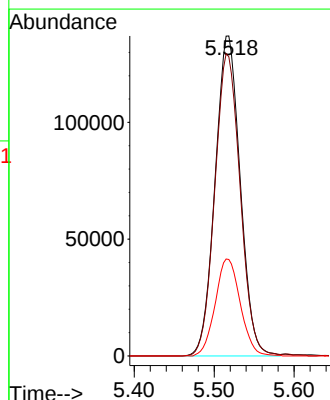
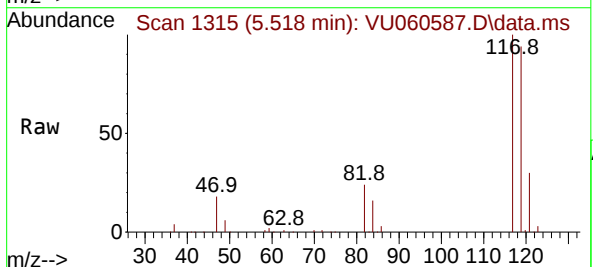
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

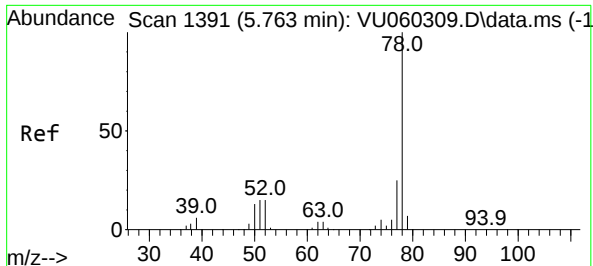
Tgt Ion: 97 Resp: 159855
Ion Ratio Lower Upper
97 100
99 64.1 32.8 98.4
61 44.9 22.3 66.9



#30
Carbon Tetrachloride
Concen: 21.672 ug/l
RT: 5.518 min Scan# 1315
Delta R.T. 0.010 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

Tgt Ion: 117 Resp: 298601
Ion Ratio Lower Upper
117 100
119 93.5 77.8 116.6
121 30.2 24.2 36.2





#35

Benzene

Concen: 6.900 ug/l

RT: 5.766 min Scan# 1392

Delta R.T. 0.003 min

Lab File: VU060587.D

Acq: 03 Sep 2024 16:05

Instrument :

MSVOA_U

ClientSampleId :

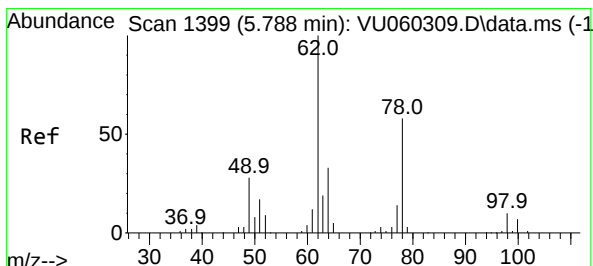
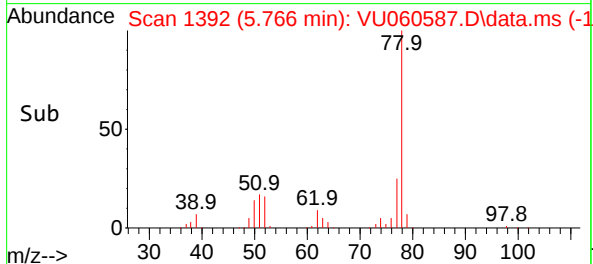
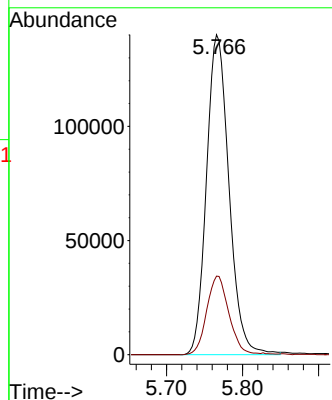
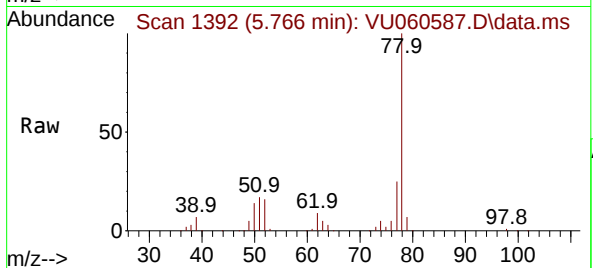
PT-RVOA-WS

Tgt Ion: 78 Resp: 288050

Ion Ratio Lower Upper

78 100

77 24.6 20.2 30.2



#36

1,2-Dichloroethane

Concen: 8.635 ug/l

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU060587.D

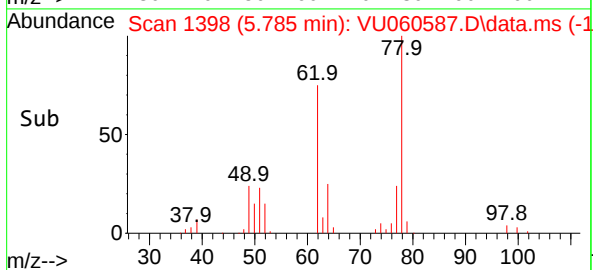
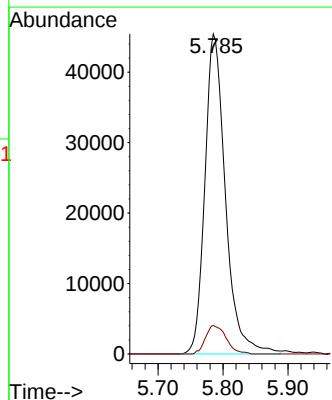
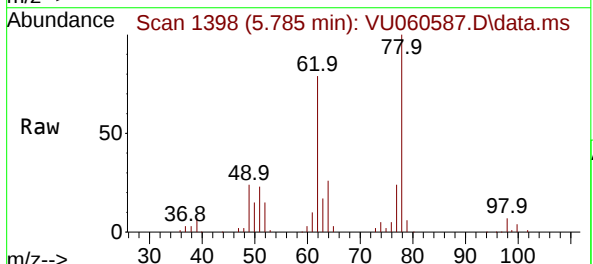
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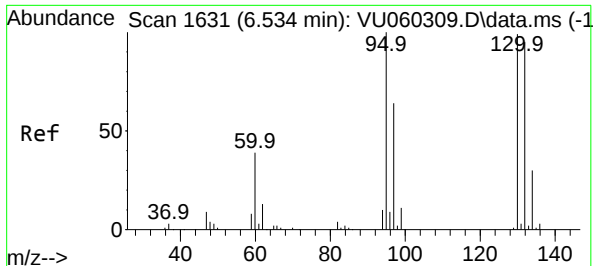
Tgt Ion: 62 Resp: 100167

Ion Ratio Lower Upper

62 100

98 8.9 8.1 12.1





#37

Trichloroethene

Concen: 14.794 ug/l

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU060587.D

Acq: 03 Sep 2024 16:05

Instrument :

MSVOA_U

ClientSampleId :

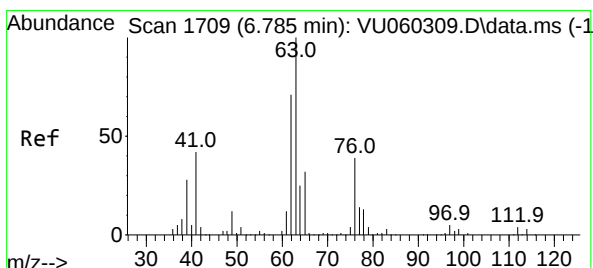
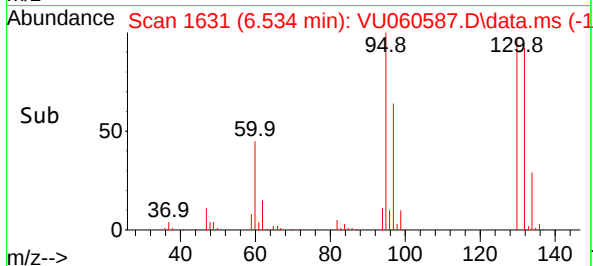
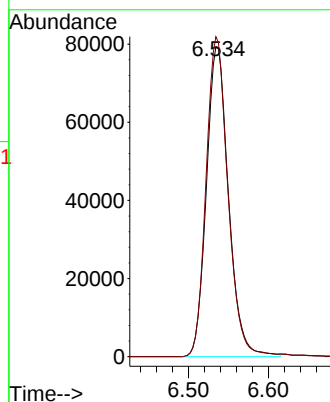
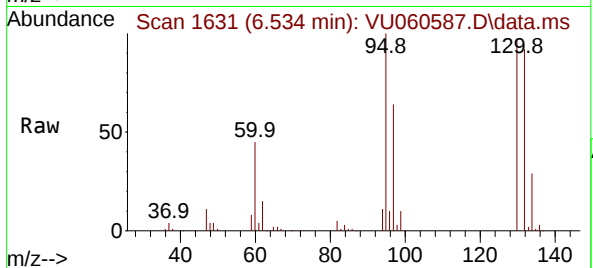
PT-RVOA-WS

Tgt Ion:130 Resp: 152882

Ion Ratio Lower Upper

130 100

95 103.2 80.6 121.0



#38

1,2-Dichloropropane

Concen: 5.292 ug/l

RT: 6.782 min Scan# 1708

Delta R.T. -0.003 min

Lab File: VU060587.D

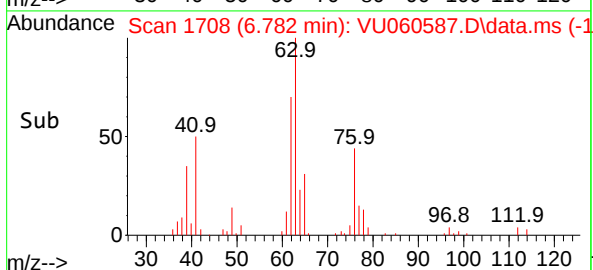
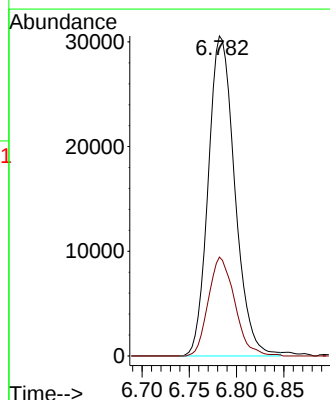
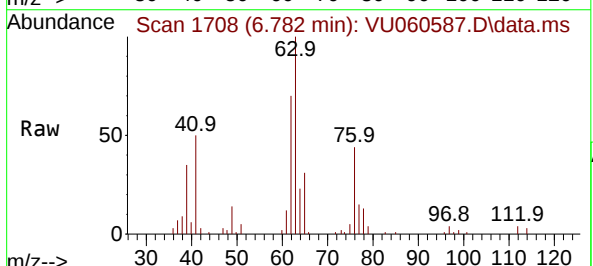
Acq: 03 Sep 2024 16:05

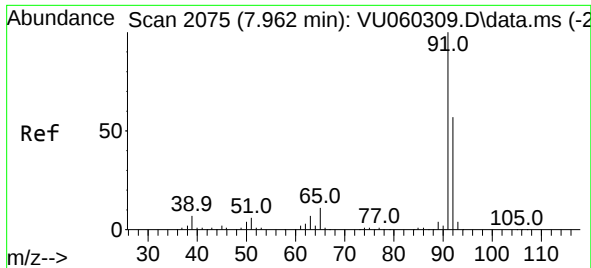
Tgt Ion: 63 Resp: 59760

Ion Ratio Lower Upper

63 100

65 30.9 25.6 38.4





#49

Toluene

Concen: 18.192 ug/l

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU060587.D

Acq: 03 Sep 2024 16:05

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ClientSampleId :

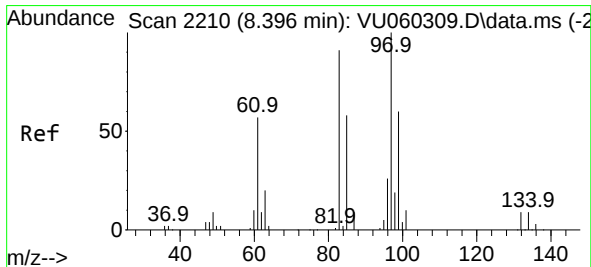
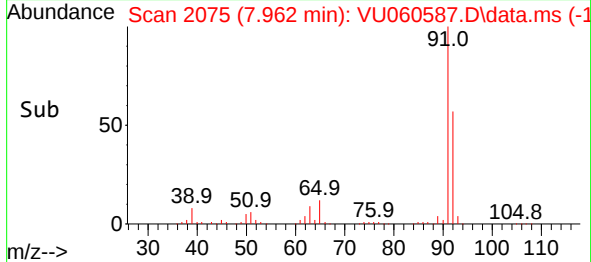
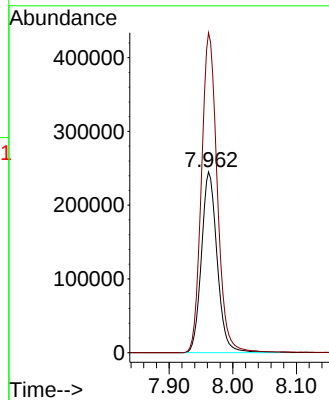
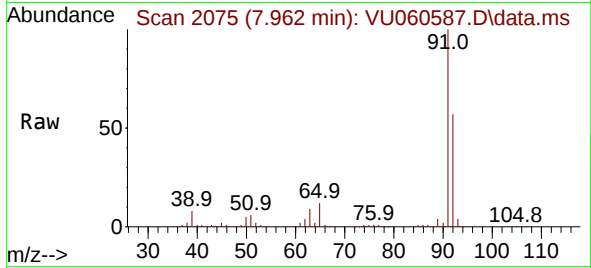
PT-RVOA-WS

Tgt Ion: 92 Resp: 421070

Ion Ratio Lower Upper

92 100

91 178.0 141.0 211.4



#52

1,1,2-Trichloroethane

Concen: 17.810 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. -0.003 min

Lab File: VU060587.D

Acq: 03 Sep 2024 16:05

Tgt Ion: 97 Resp: 149351

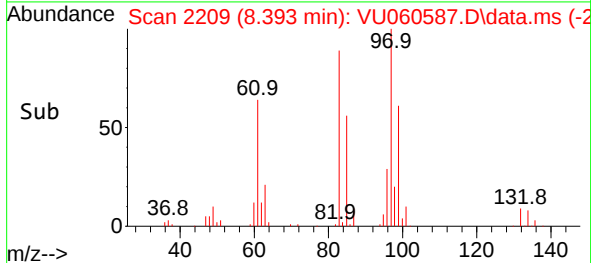
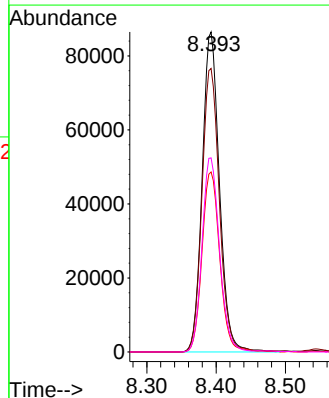
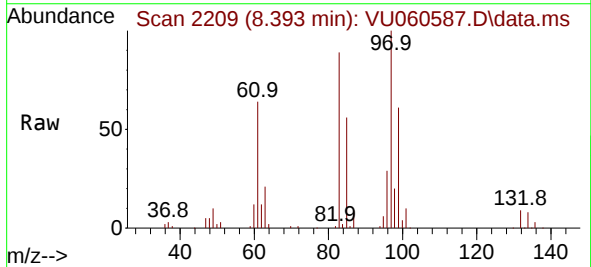
Ion Ratio Lower Upper

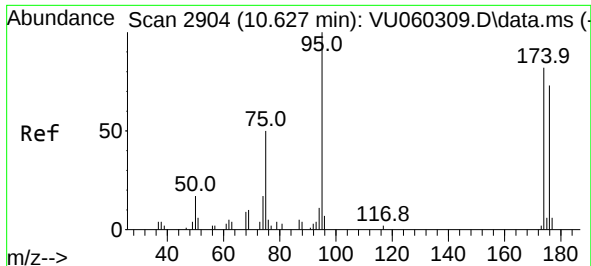
97 100

83 88.6 73.0 109.4

85 56.3 46.2 69.4

99 60.7 50.1 75.1

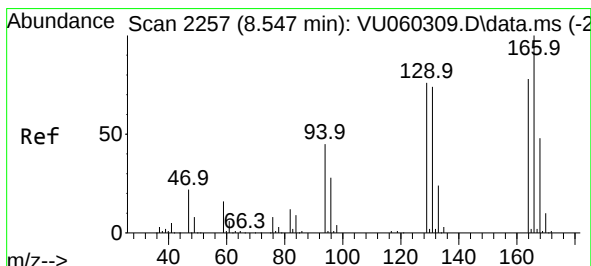
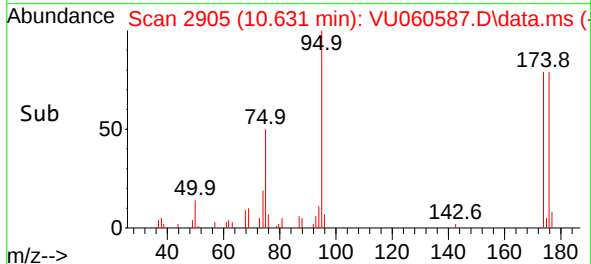
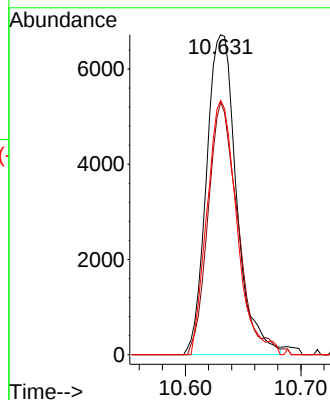
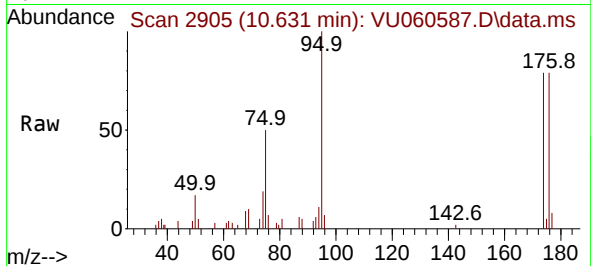




#57
4-Bromofluorobenzene
Concen: 1.057 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

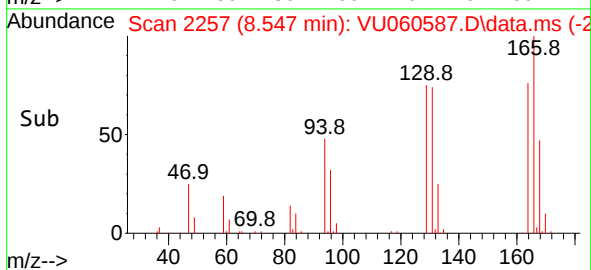
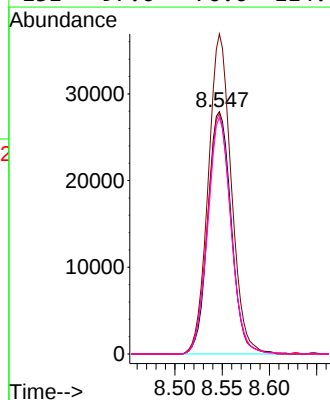
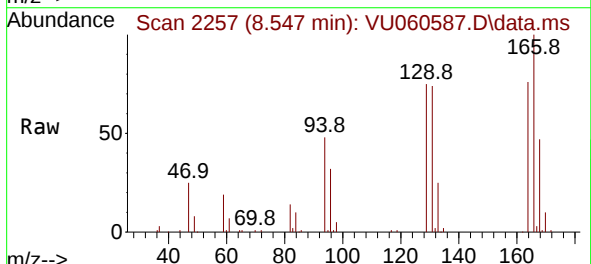
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

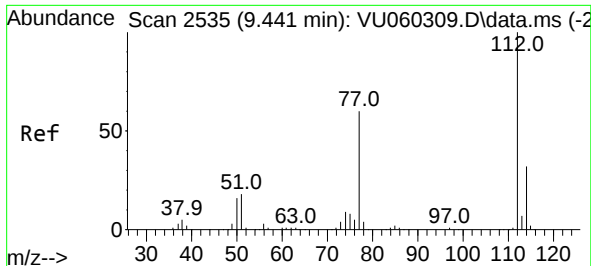
Tgt Ion: 95 Resp: 12168
Ion Ratio Lower Upper
95 100
174 78.0 65.6 98.4
176 78.5 60.4 90.6



#58
Tetrachloroethene
Concen: 5.214 ug/l
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

Tgt Ion: 164 Resp: 48152
Ion Ratio Lower Upper
164 100
166 132.1 102.9 154.3
129 99.2 78.0 117.0
131 97.6 76.6 114.8





#59

Chlorobenzene

Concen: 9.065 ug/l

RT: 9.441 min Scan# 2

Delta R.T. -0.000 min

Lab File: VU060587.D

Acq: 03 Sep 2024 16:05

Instrument :

MSVOA_U

ClientSampleId :

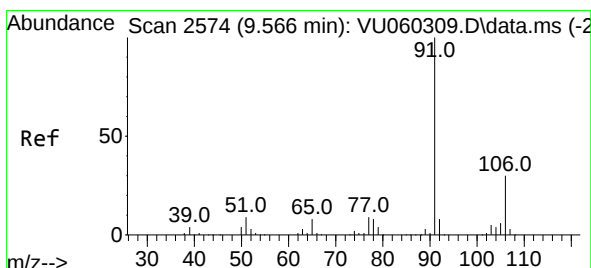
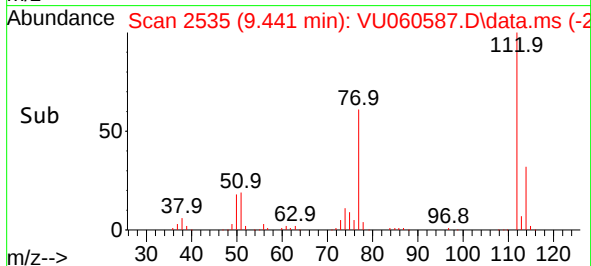
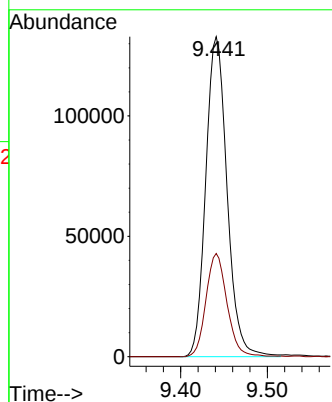
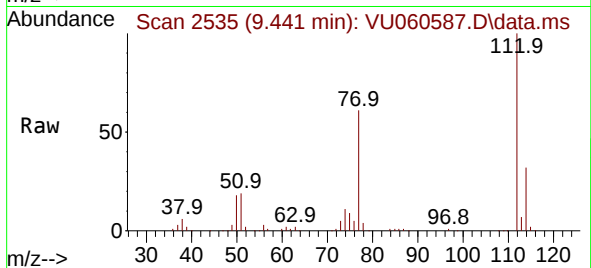
PT-RVOA-WS

Tgt Ion:112 Resp: 227177

Ion Ratio Lower Upper

112 100

114 32.2 25.3 37.9



#63

Ethyl Benzene

Concen: 13.709 ug/l

RT: 9.563 min Scan# 2573

Delta R.T. -0.003 min

Lab File: VU060587.D

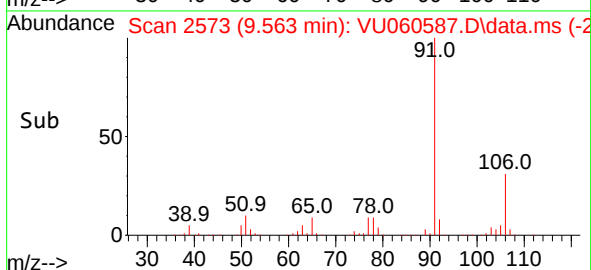
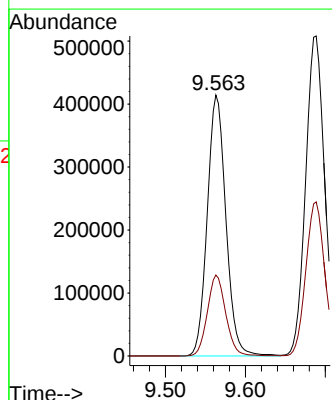
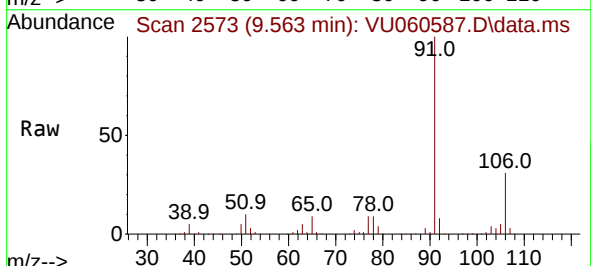
Acq: 03 Sep 2024 16:05

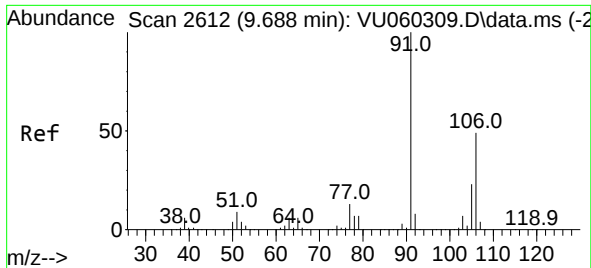
Tgt Ion: 91 Resp: 671877

Ion Ratio Lower Upper

91 100

106 31.0 24.4 36.6

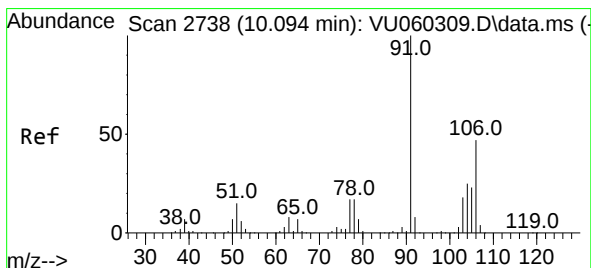
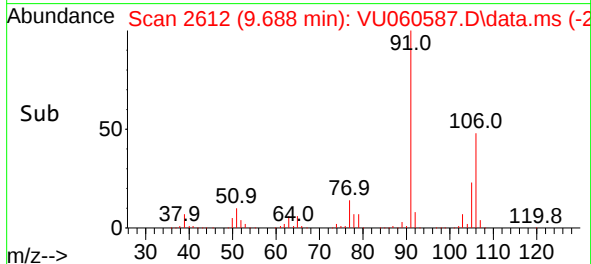
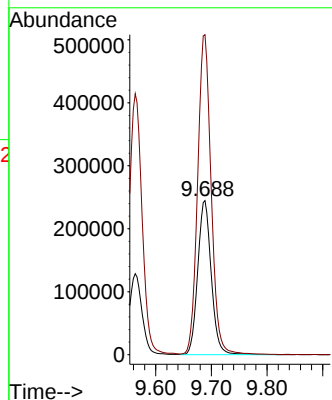
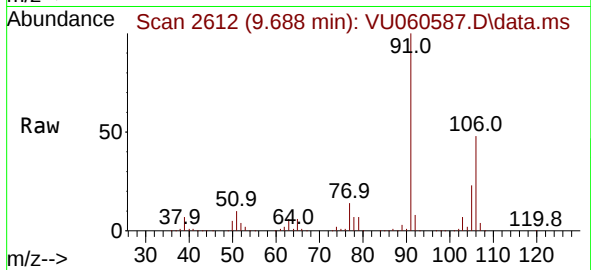




#64
m/p-Xylenes
Concen: 21.229 ug/l
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

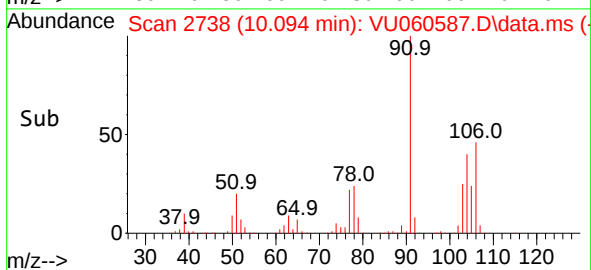
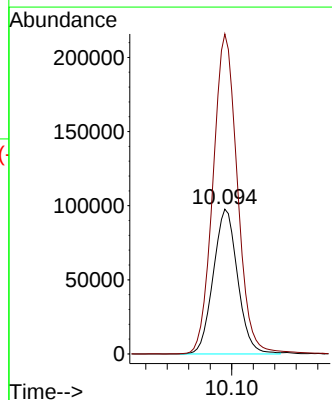
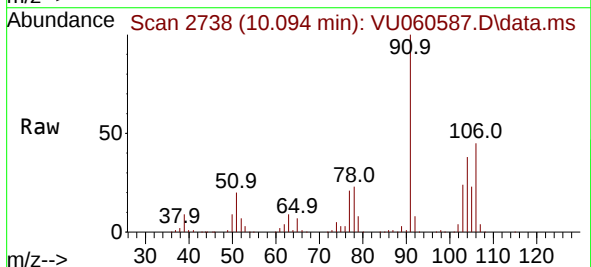
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

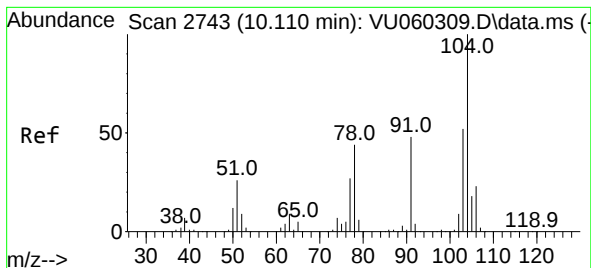
Tgt Ion:106 Resp: 412700
Ion Ratio Lower Upper
106 100
91 207.6 165.0 247.4



#65
o-Xylene
Concen: 8.458 ug/l
RT: 10.094 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

Tgt Ion:106 Resp: 153472
Ion Ratio Lower Upper
106 100
91 222.5 108.8 326.4





#66

Styrene

Concen: 10.911 ug/l

RT: 10.106 min Scan# 21

Delta R.T. -0.004 min

Lab File: VU060587.D

Acq: 03 Sep 2024 16:05

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

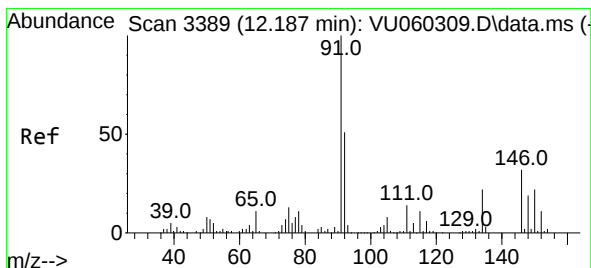
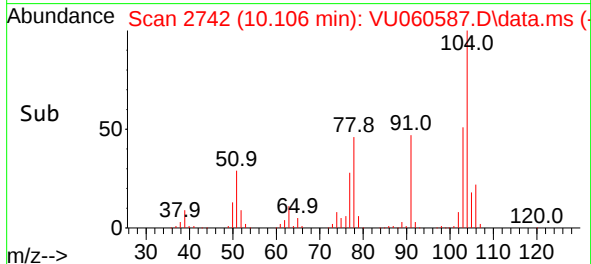
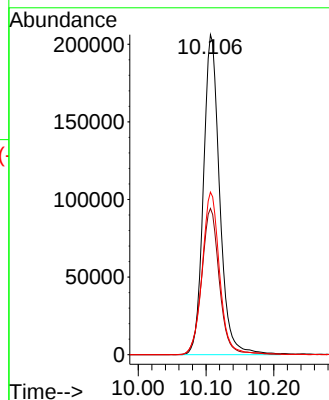
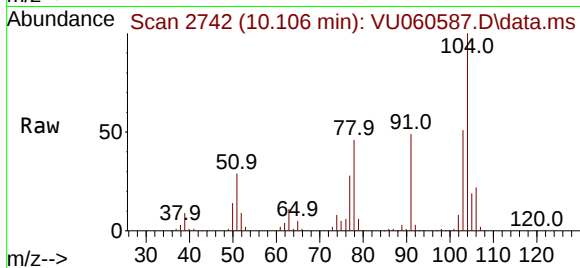
Tgt Ion:104 Resp: 344273

Ion Ratio Lower Upper

104 100

78 49.7 39.0 58.6

103 54.2 45.0 67.6



#68

1,2-Dichlorobenzene-d4

Concen: 0.928 ug/l

RT: 12.187 min Scan# 3389

Delta R.T. -0.000 min

Lab File: VU060587.D

Acq: 03 Sep 2024 16:05

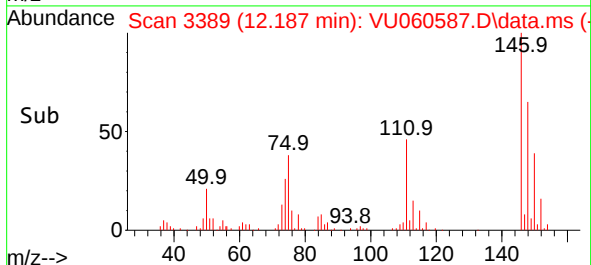
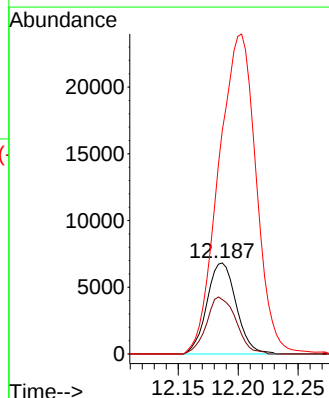
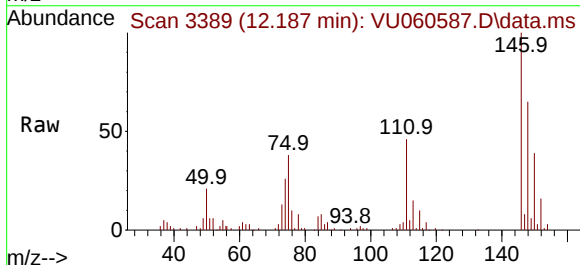
Tgt Ion:152 Resp: 11604

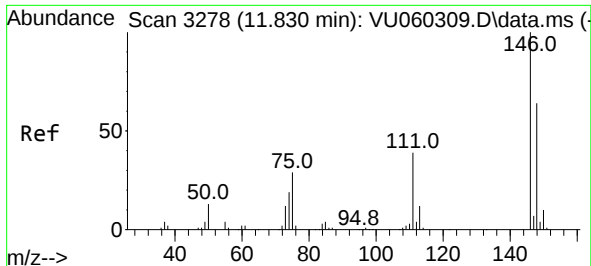
Ion Ratio Lower Upper

152 100

115 63.0 0.0 325.2

150 450.6 0.0 684.2

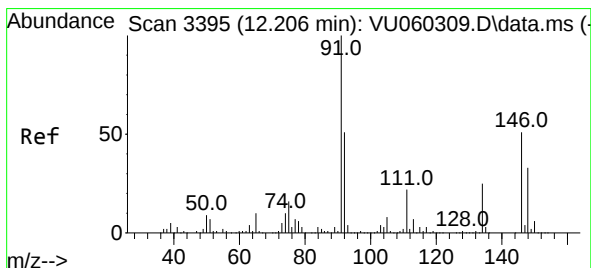
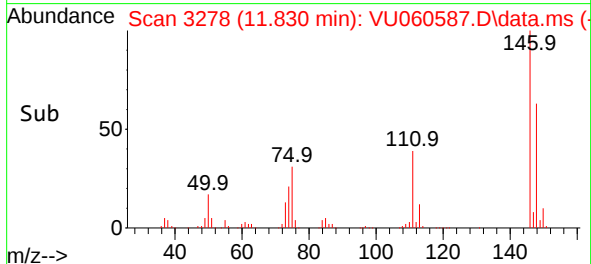
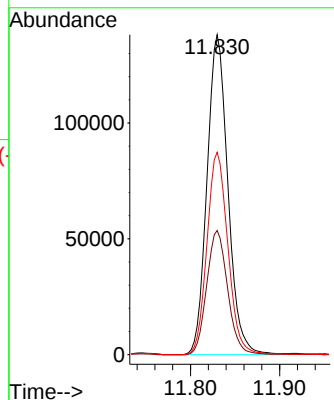
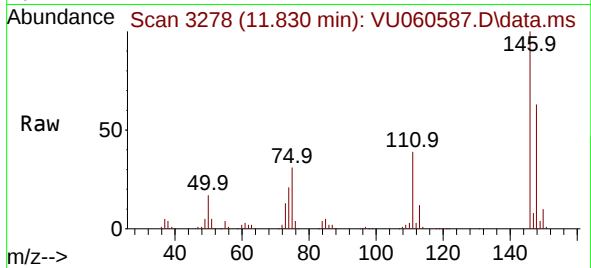




#83
1,4-Dichlorobenzene
Concen: 10.563 ug/l
RT: 11.830 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

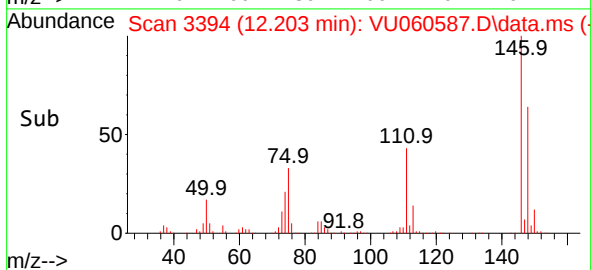
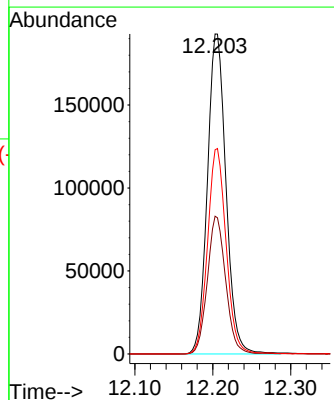
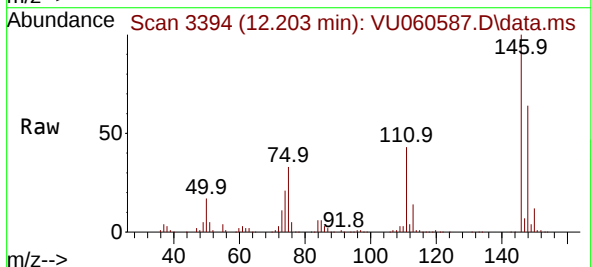
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

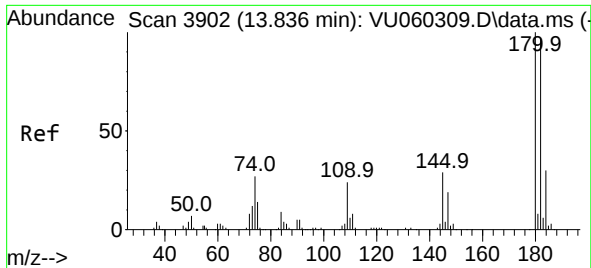
Tgt Ion:146 Resp: 225124
Ion Ratio Lower Upper
146 100
111 38.9 30.9 46.3
148 63.3 51.8 77.6



#85
1,2-Dichlorobenzene
Concen: 15.380 ug/l
RT: 12.203 min Scan# 3394
Delta R.T. -0.003 min
Lab File: VU060587.D
Acq: 03 Sep 2024 16:05

Tgt Ion:146 Resp: 319395
Ion Ratio Lower Upper
146 100
111 42.4 21.3 63.7
148 64.2 32.0 96.0





#87

1,2,4-Trichlorobenzene

Concen: 6.982 ug/l

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU060587.D

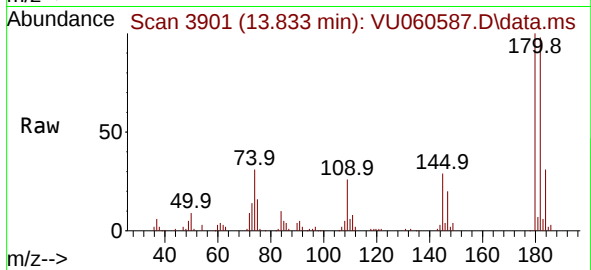
Acq: 03 Sep 2024 16:05

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS



Tgt Ion:180 Resp: 82922

Ion Ratio Lower Upper

180 100

182 97.8 76.8 115.2

145 29.8 23.4 35.0

