

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
 Data File : VU060322.D
 Acq On : 06 Aug 2024 14:55
 Operator : MD/SY
 Sample : P3204-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Quant Time: Aug 07 07:01:59 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)

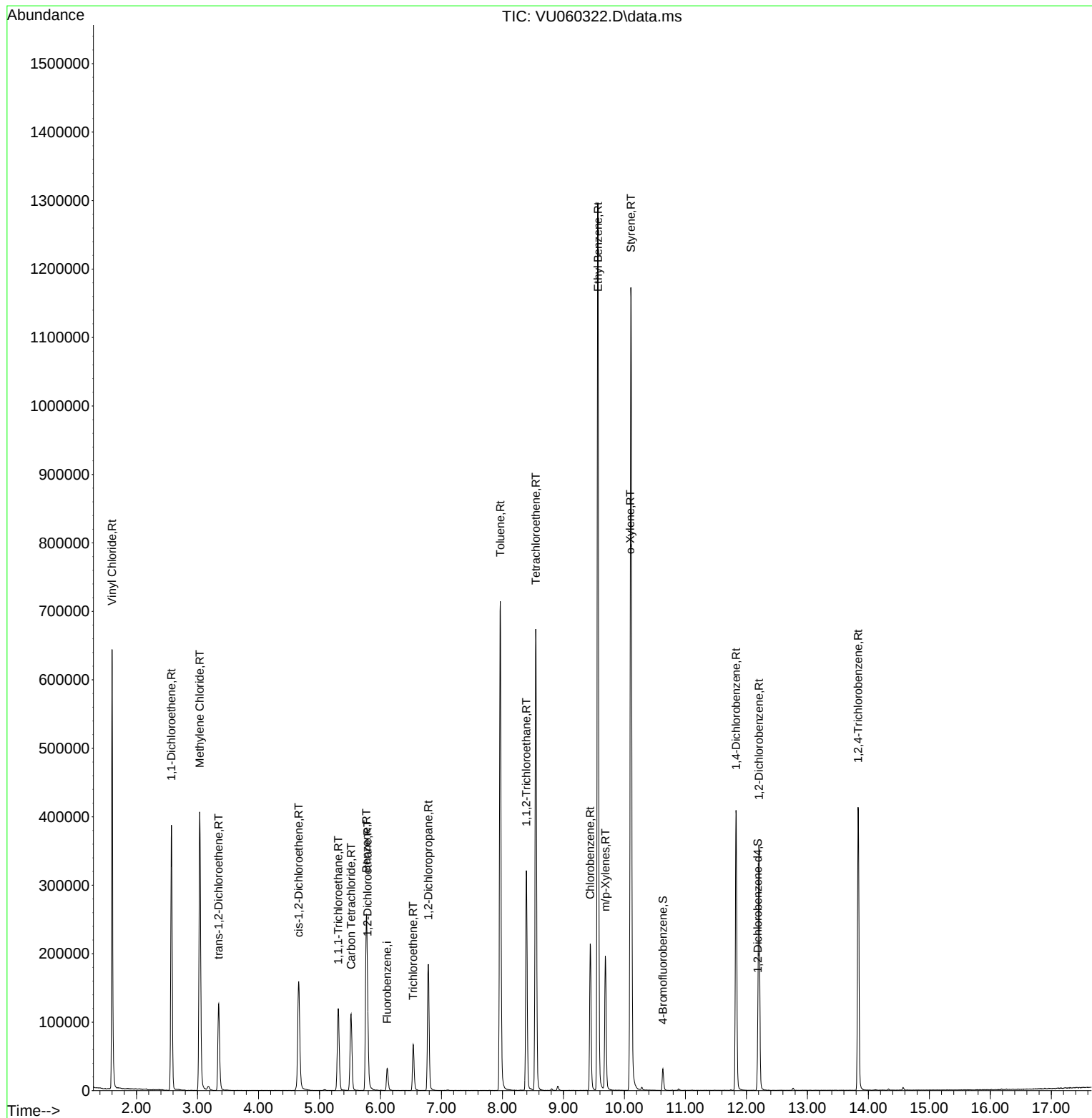
Internal Standards						
1) Fluorobenzene	6.110	96	32257	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	11934	1.086	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	12550	1.051	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.599	62	469644	33.117	ug/l	99
9) 1,1-Dichloroethene	2.573	96	142746	14.802	ug/l	92
15) Methylene Chloride	3.036	84	213539	17.688	ug/l	95
16) trans-1,2-Dichloroethene	3.348	96	58390	5.651	ug/l	95
22) cis-1,2-Dichloroethene	4.660	96	89154	8.054	ug/l	85
28) 1,1,1-Trichloroethane	5.309	97	88879	5.504	ug/l	98
30) Carbon Tetrachloride	5.518	117	79709	6.057	ug/l	97
35) Benzene	5.769	78	221797	5.563	ug/l	99
36) 1,2-Dichloroethane	5.788	62	79625	7.186	ug/l	99
37) Trichloroethene	6.537	130	24796	2.512	ug/l	97
38) 1,2-Dichloropropane	6.785	63	78735	7.300	ug/l	99
49) Toluene	7.965	92	304643	13.780	ug/l	98
52) 1,1,2-Trichloroethane	8.393	97	105153	13.129	ug/l	96
58) Tetrachloroethene	8.547	164	157729	17.881	ug/l	98
59) Chlorobenzene	9.441	112	125251	5.233	ug/l	99
63) Ethyl Benzene	9.566	91	912687	19.287	ug/l	99
64) m/p-Xylenes	9.688	106	58070	3.893	ug/l	99
65) o-Xylene	10.097	106	60230	3.736	ug/l	95
66) Styrene	10.110	104	552103	18.000	ug/l	92
83) 1,4-Dichlorobenzene	11.833	146	177113	8.701	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	155403	7.835	ug/l	100
87) 1,2,4-Trichlorobenzene	13.833	180	139532	12.300	ug/l	99

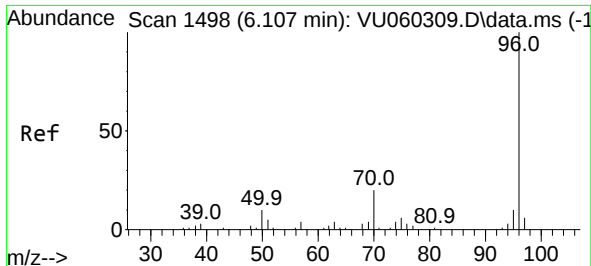
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 06 11:07:28 2024
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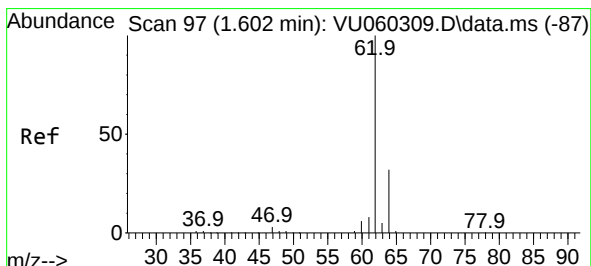
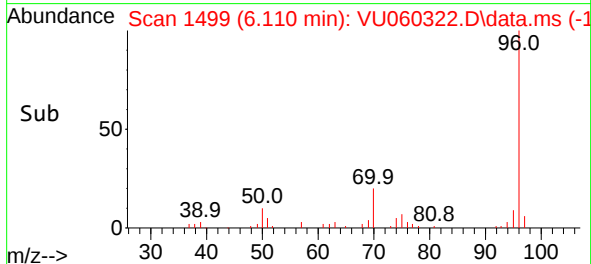
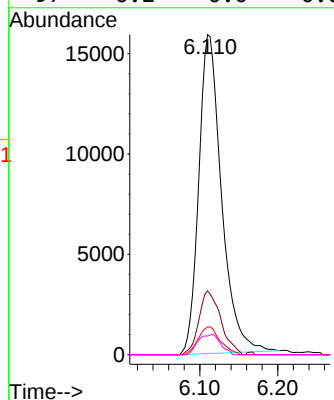
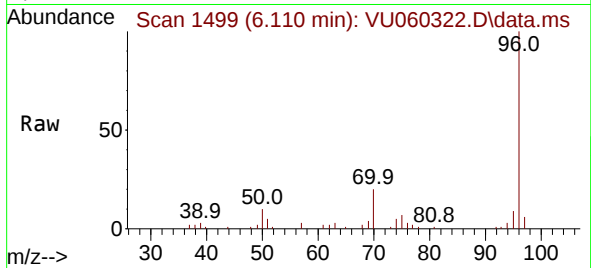




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 1498
Delta R.T. 0.003 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

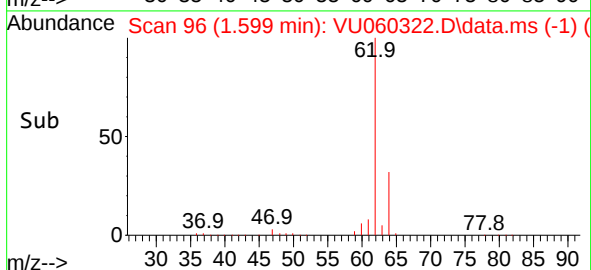
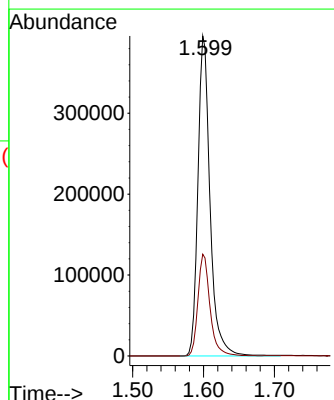
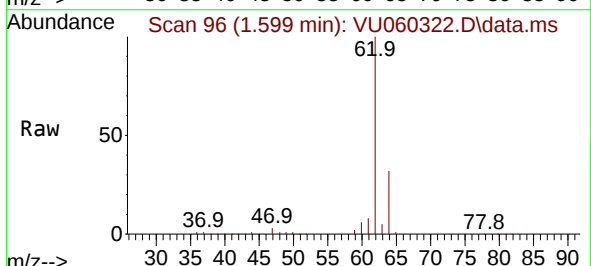
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

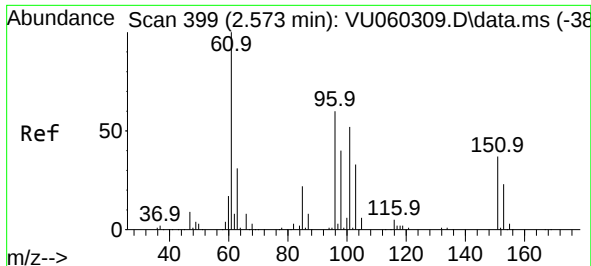
Tgt Ion:	96	Resp:	32257
Ion Ratio	Lower	Upper	
96	100		
70	19.2	17.2	25.8
95	8.4	7.9	11.9
97	6.2	0.0	0.0



#4
Vinyl Chloride
Concen: 33.117 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

Tgt Ion:	62	Resp:	469644
Ion Ratio	Lower	Upper	
62	100		
64	31.8	25.8	38.6

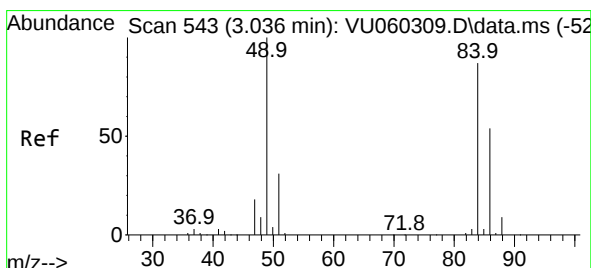
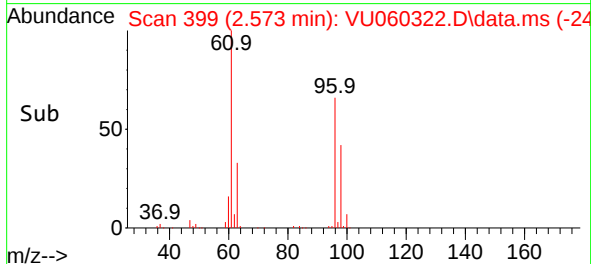
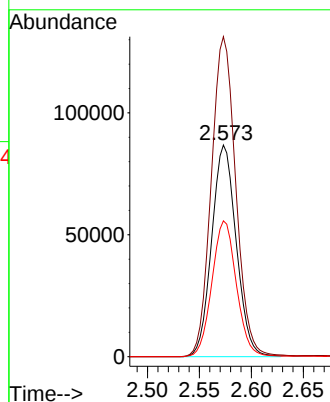
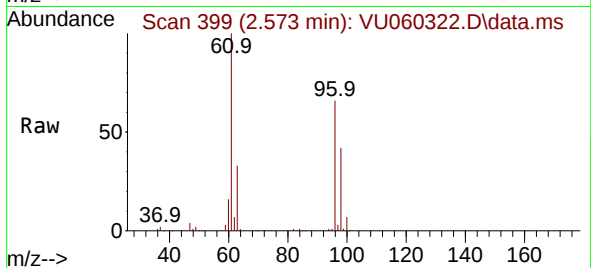




#9
1,1-Dichloroethene
Concen: 14.802 ug/l
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

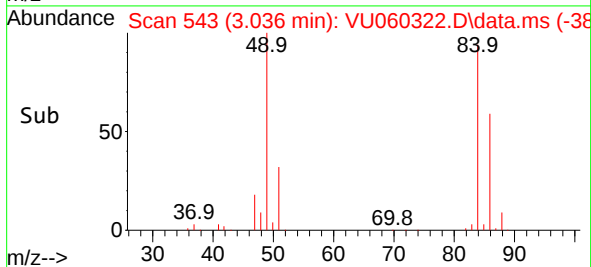
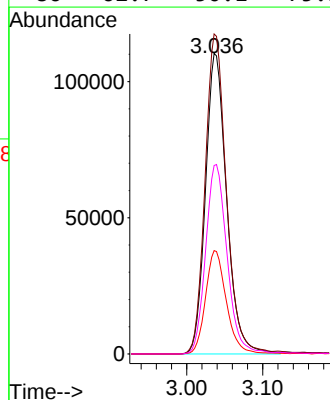
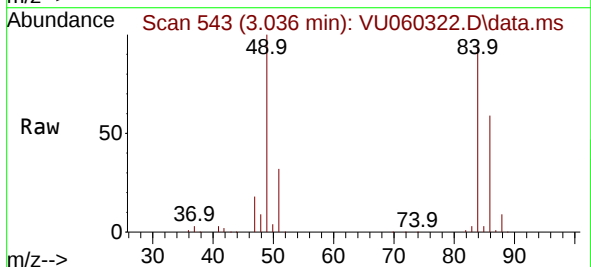
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

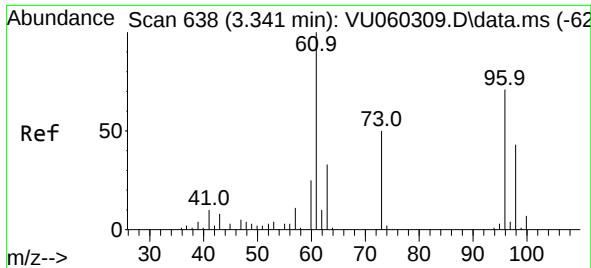
Tgt Ion: 96 Resp: 142746
Ion Ratio Lower Upper
96 100
61 151.2 0.0 495.9
98 64.2 0.0 131.6



#15
Methylene Chloride
Concen: 17.688 ug/l
RT: 3.036 min Scan# 543
Delta R.T. -0.000 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

Tgt Ion: 84 Resp: 213539
Ion Ratio Lower Upper
84 100
49 106.5 92.1 138.1
51 34.4 0.0 72.4
86 62.7 50.1 75.1

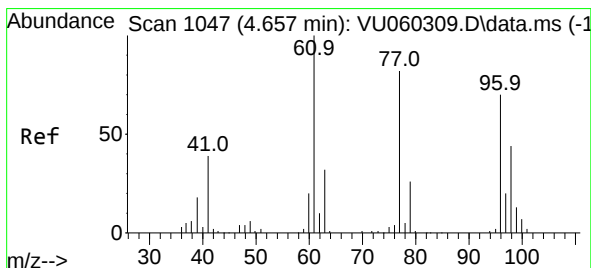
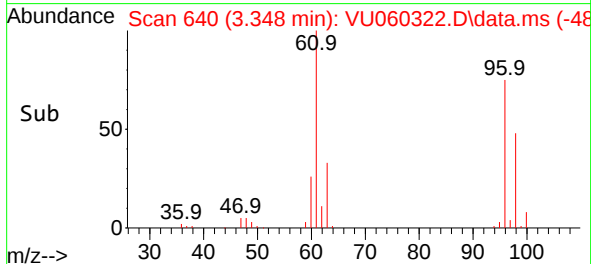
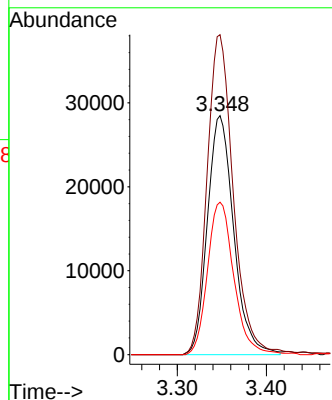
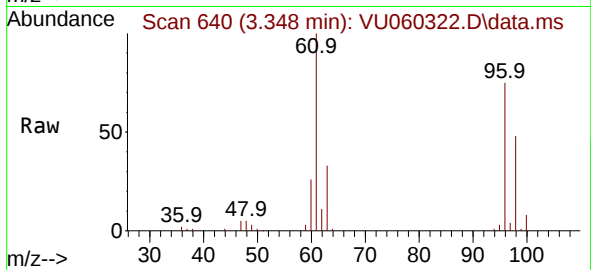




#16
trans-1,2-Dichloroethene
Concen: 5.651 ug/l
RT: 3.348 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

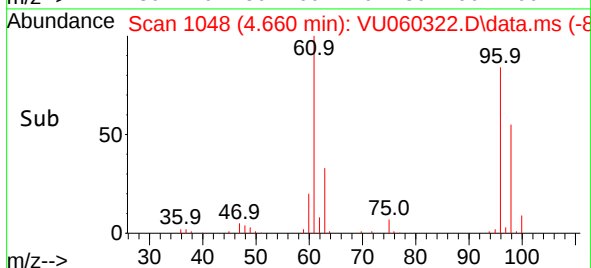
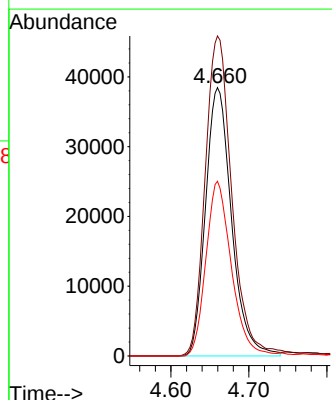
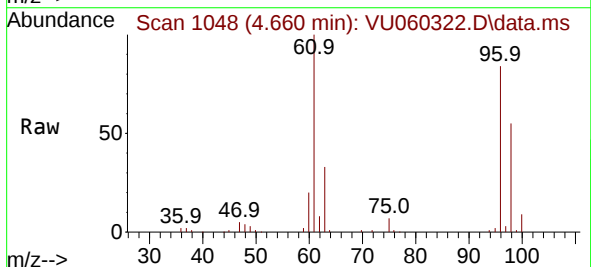
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

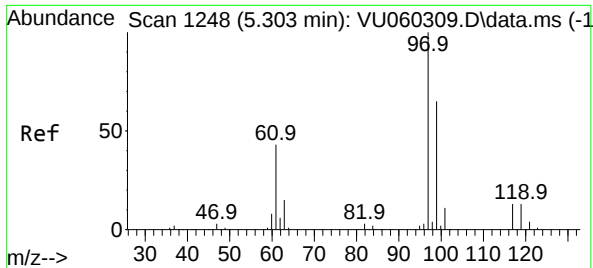
Tgt Ion: 96 Resp: 58390
Ion Ratio Lower Upper
96 100
61 133.8 112.8 169.2
98 63.7 48.7 73.1



#22
cis-1,2-Dichloroethene
Concen: 8.054 ug/l
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

Tgt Ion: 96 Resp: 89154
Ion Ratio Lower Upper
96 100
61 122.8 0.0 372.8
98 63.6 31.8 95.4

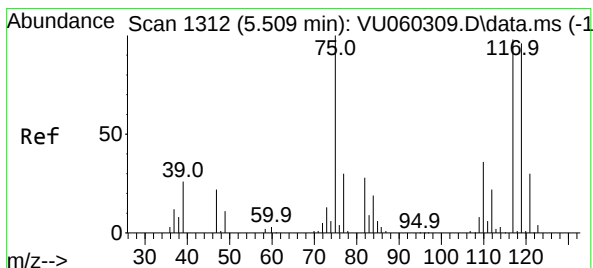
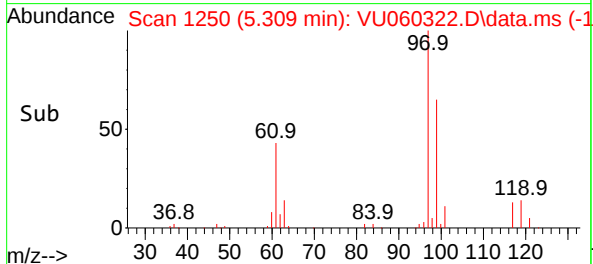
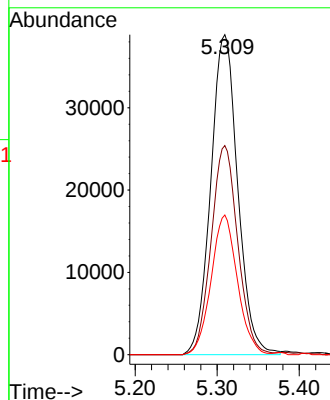
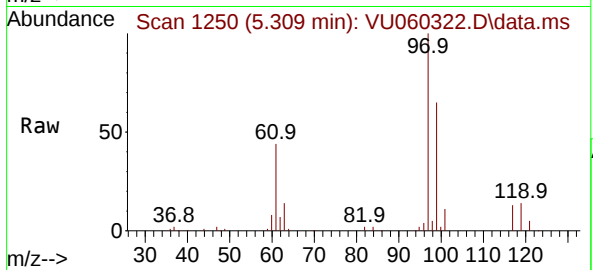




#28
1,1,1-Trichloroethane
Concen: 5.504 ug/l
RT: 5.309 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

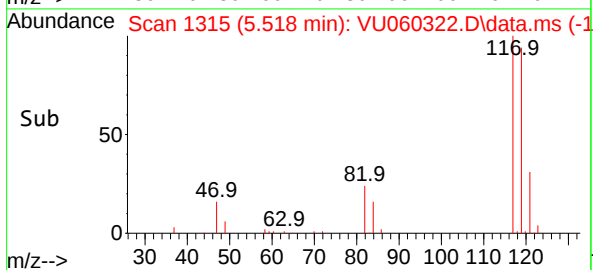
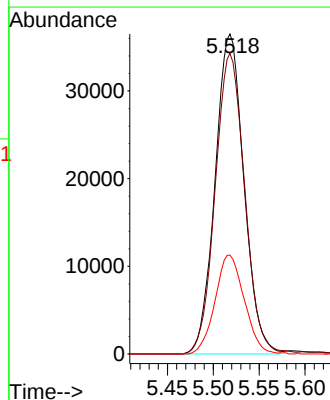
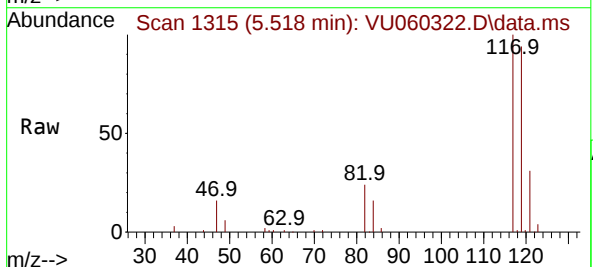
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

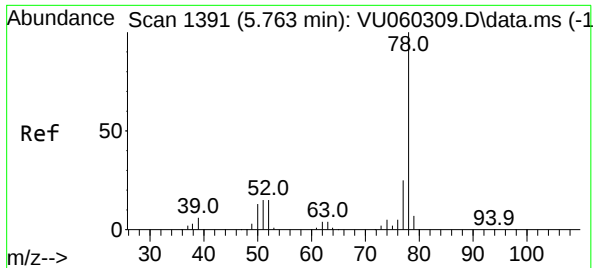
Tgt Ion: 97	Resp: 88879
Ion Ratio	Lower Upper
97 100	
99 64.7	32.8 98.4
61 42.7	22.3 66.9



#30
Carbon Tetrachloride
Concen: 6.057 ug/l
RT: 5.518 min Scan# 1315
Delta R.T. 0.010 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

Tgt Ion:117	Resp: 79709
Ion Ratio	Lower Upper
117 100	
119 93.9	77.8 116.6
121 30.9	24.2 36.2

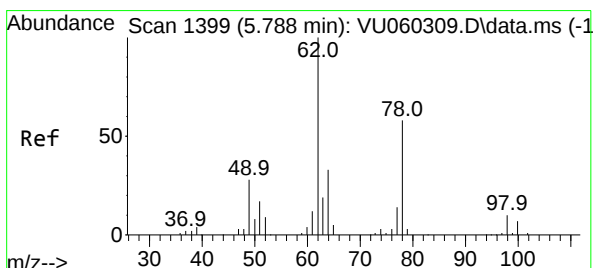
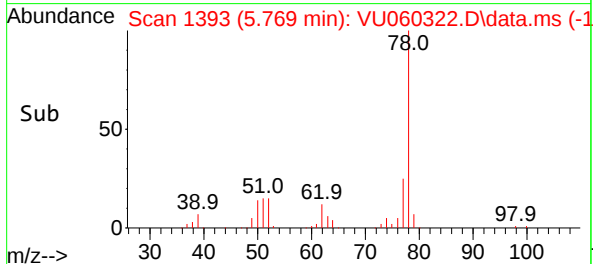
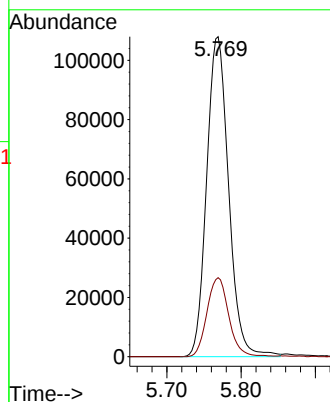
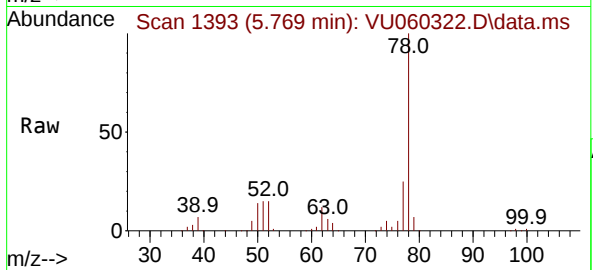




#35
Benzene
Concen: 5.563 ug/l
RT: 5.769 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

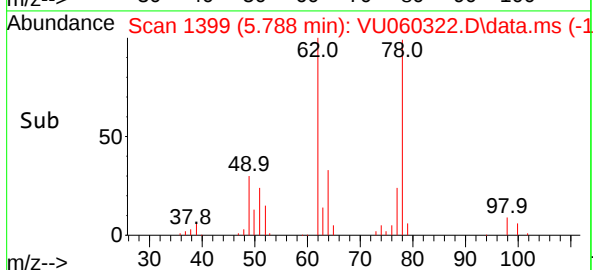
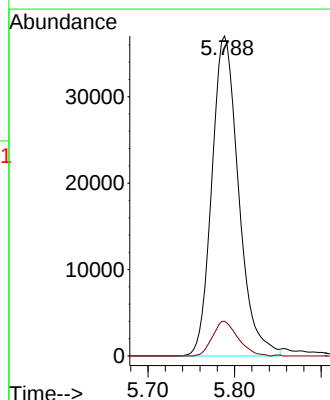
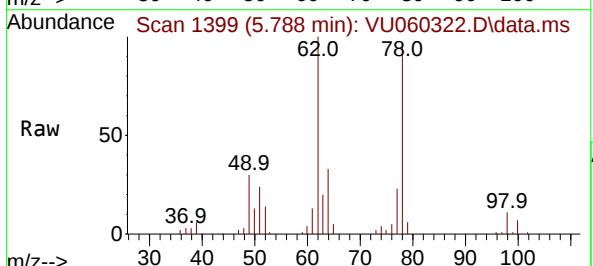
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

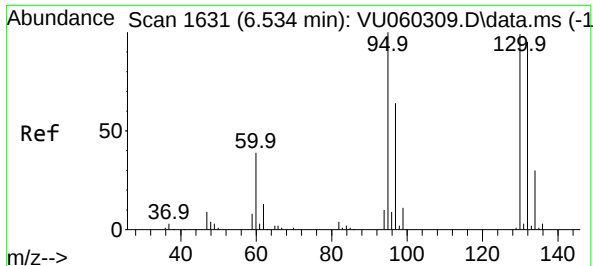
Tgt Ion: 78 Resp: 221797
Ion Ratio Lower Upper
78 100
77 24.7 20.2 30.2



#36
1,2-Dichloroethane
Concen: 7.186 ug/l
RT: 5.788 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

Tgt Ion: 62 Resp: 79625
Ion Ratio Lower Upper
62 100
98 10.3 8.1 12.1





#37

Trichloroethene

Concen: 2.512 ug/l

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060322.D

Acq: 06 Aug 2024 14:55

Instrument :

MSVOA_U

ClientSampleId :

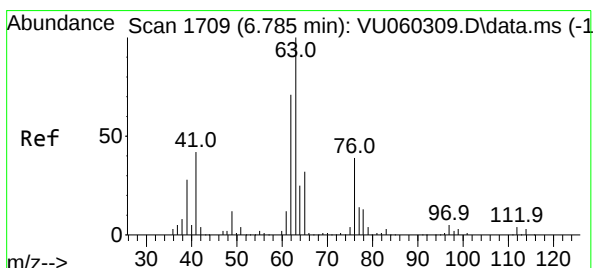
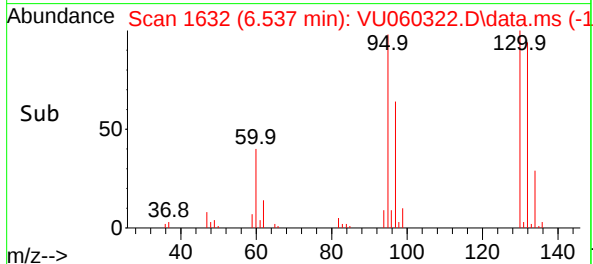
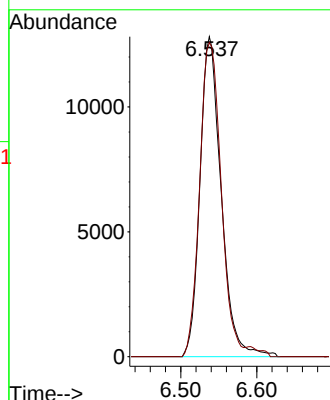
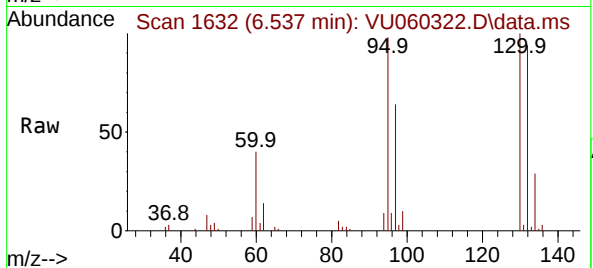
PT-RVOA-WS

Tgt Ion:130 Resp: 24796

Ion Ratio Lower Upper

130 100

95 98.1 80.6 121.0



#38

1,2-Dichloropropane

Concen: 7.300 ug/l

RT: 6.785 min Scan# 1709

Delta R.T. -0.000 min

Lab File: VU060322.D

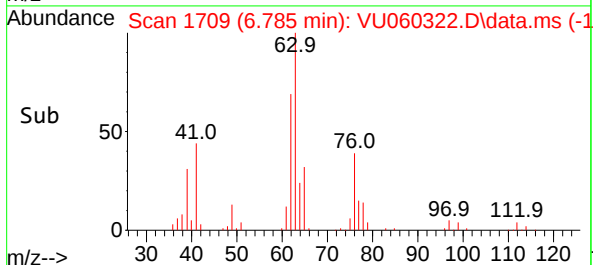
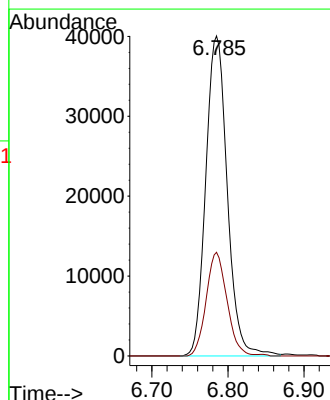
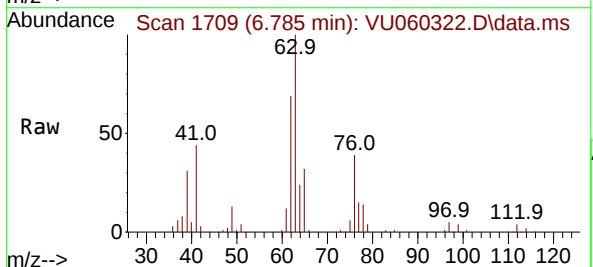
Acq: 06 Aug 2024 14:55

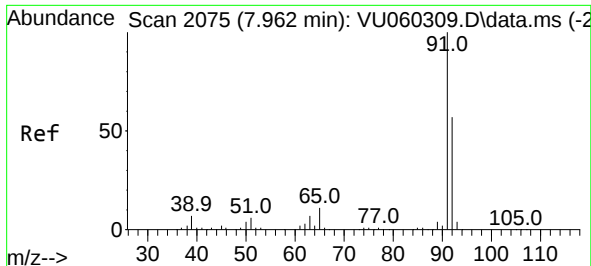
Tgt Ion: 63 Resp: 78735

Ion Ratio Lower Upper

63 100

65 32.4 25.6 38.4





#49

Toluene

Concen: 13.780 ug/l

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060322.D

Acq: 06 Aug 2024 14:55

Instrument :

MSVOA_U

ClientSampleId :

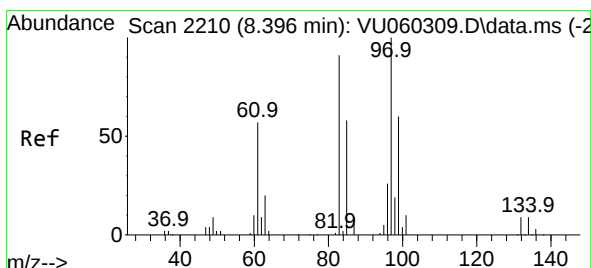
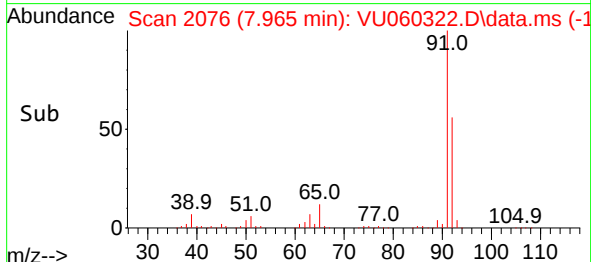
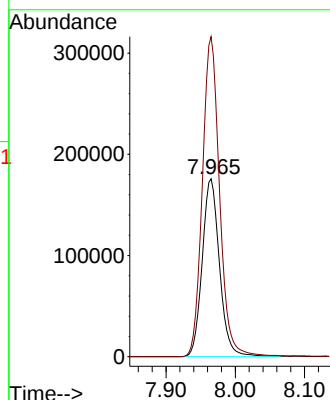
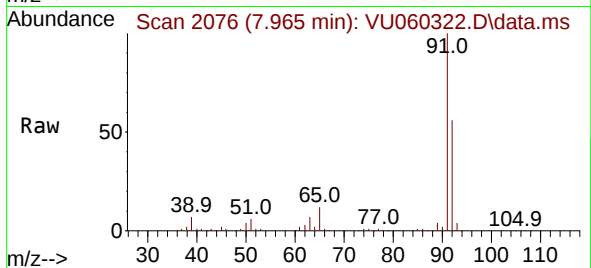
PT-RVOA-WS

Tgt Ion: 92 Resp: 304643

Ion Ratio Lower Upper

92 100

91 179.6 141.0 211.4



#52

1,1,2-Trichloroethane

Concen: 13.129 ug/l

RT: 8.393 min Scan# 2209

Delta R.T. -0.003 min

Lab File: VU060322.D

Acq: 06 Aug 2024 14:55

Tgt Ion: 97 Resp: 105153

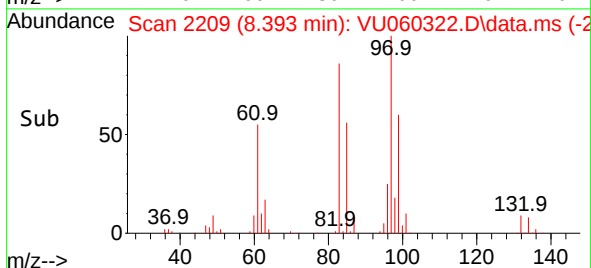
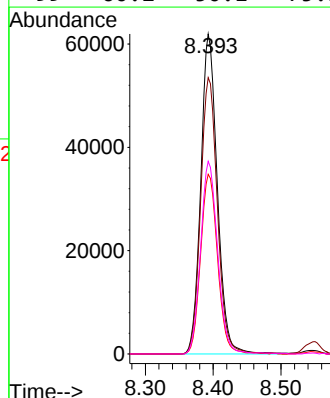
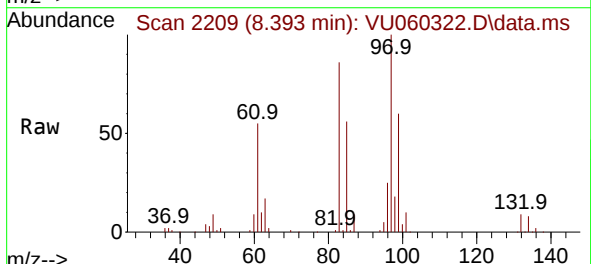
Ion Ratio Lower Upper

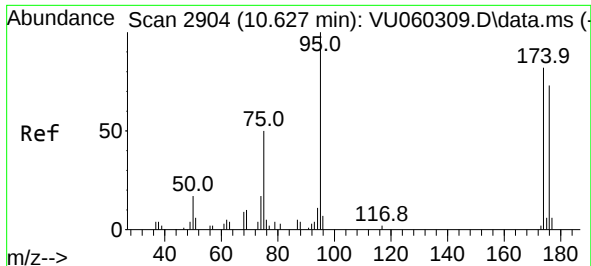
97 100

83 86.3 73.0 109.4

85 56.1 46.2 69.4

99 60.2 50.1 75.1

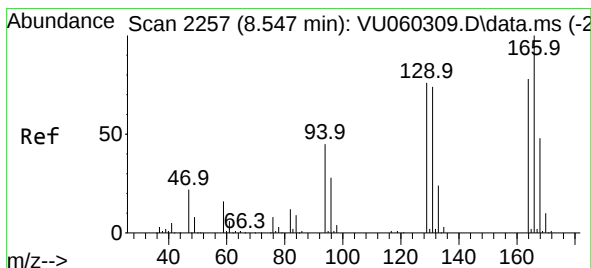
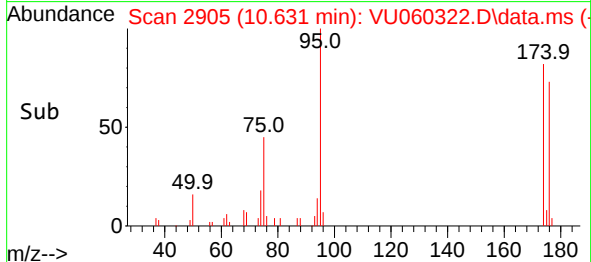
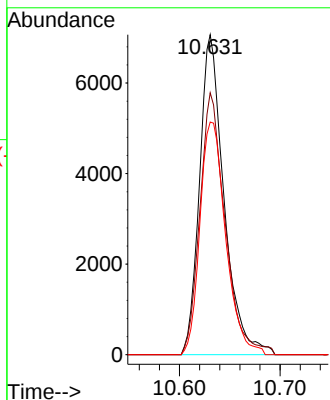
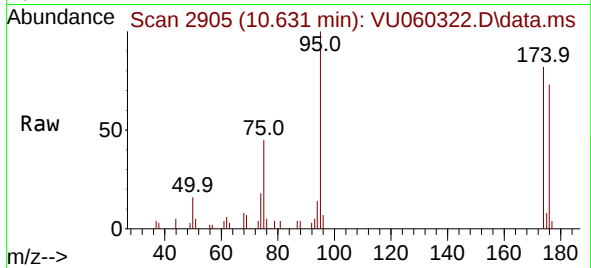




#57
4-Bromofluorobenzene
Concen: 1.086 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

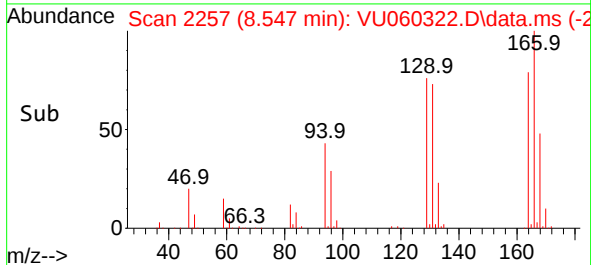
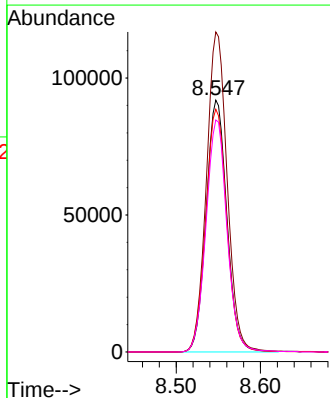
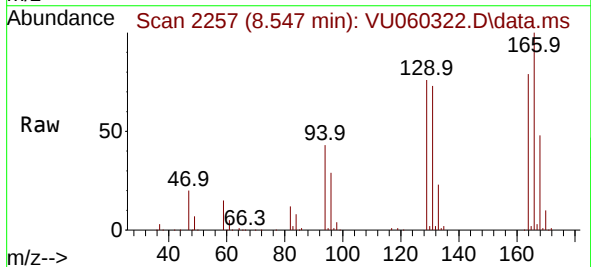
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

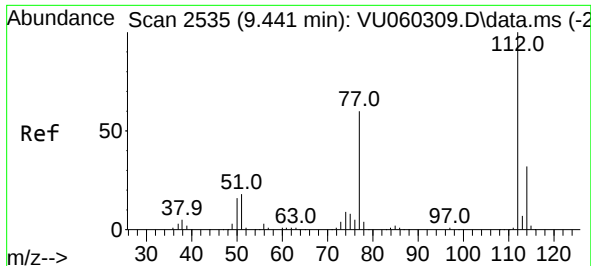
Tgt Ion: 95 Resp: 11934
Ion Ratio Lower Upper
95 100
174 84.6 65.6 98.4
176 76.6 60.4 90.6



#58
Tetrachloroethene
Concen: 17.881 ug/l
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

Tgt Ion: 164 Resp: 157729
Ion Ratio Lower Upper
164 100
166 127.0 102.9 154.3
129 96.3 78.0 117.0
131 92.1 76.6 114.8





#59

Chlorobenzene

Concen: 5.233 ug/l

RT: 9.441 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU060322.D

Acq: 06 Aug 2024 14:55

Instrument :

MSVOA_U

ClientSampleId :

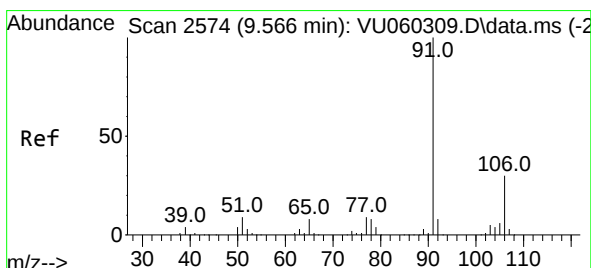
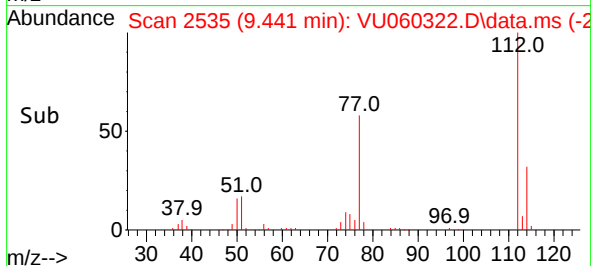
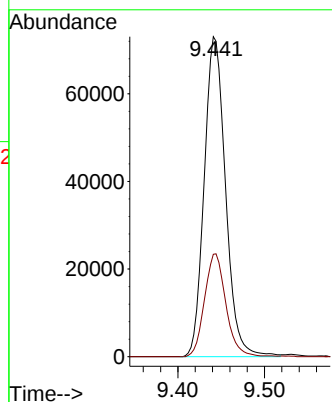
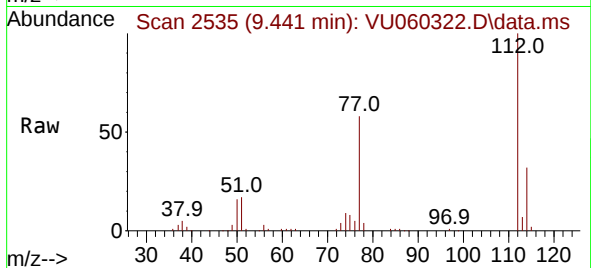
PT-RVOA-WS

Tgt Ion:112 Resp: 125251

Ion Ratio Lower Upper

112 100

114 32.0 25.3 37.9



#63

Ethyl Benzene

Concen: 19.287 ug/l

RT: 9.566 min Scan# 2574

Delta R.T. 0.000 min

Lab File: VU060322.D

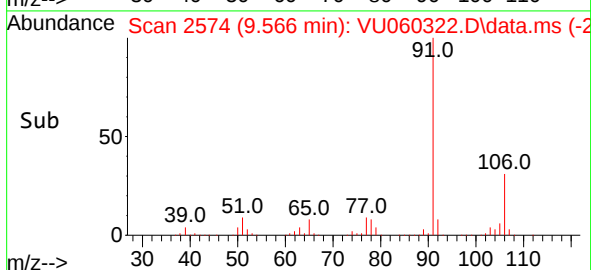
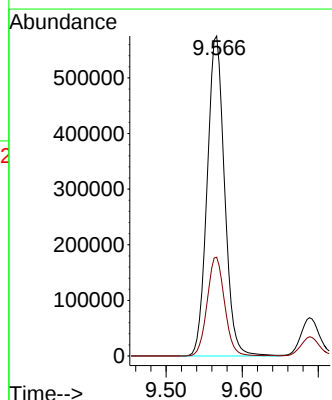
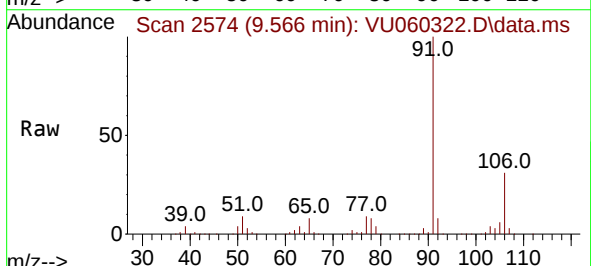
Acq: 06 Aug 2024 14:55

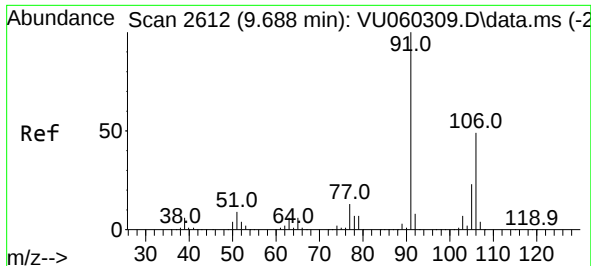
Tgt Ion: 91 Resp: 912687

Ion Ratio Lower Upper

91 100

106 30.8 24.4 36.6

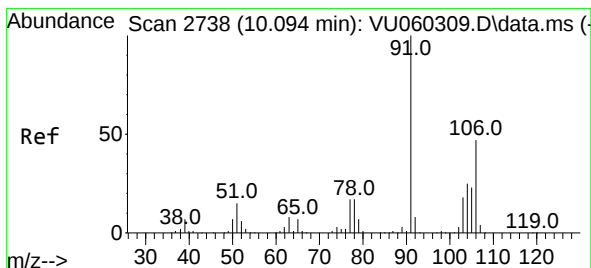
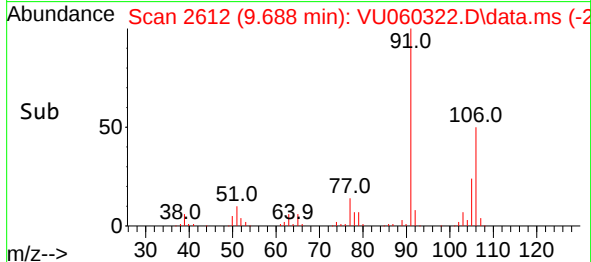
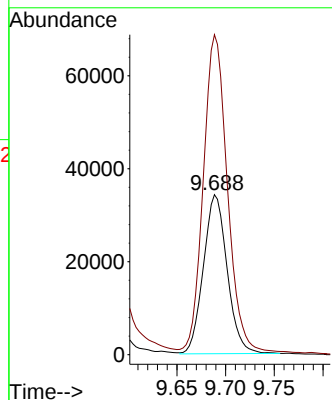
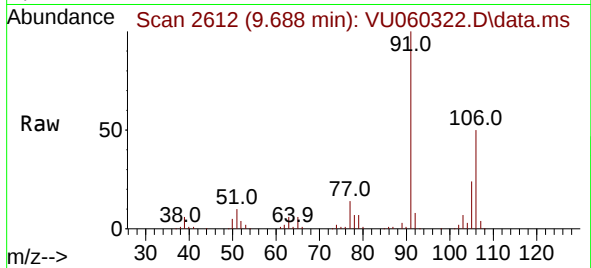




#64
m/p-Xylenes
Concen: 3.893 ug/l
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

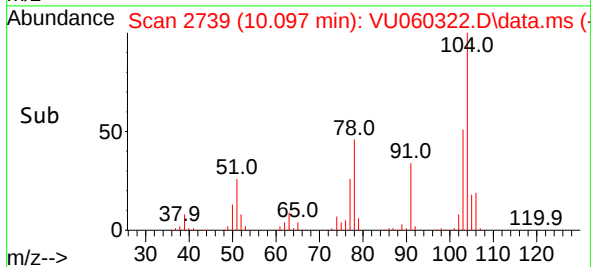
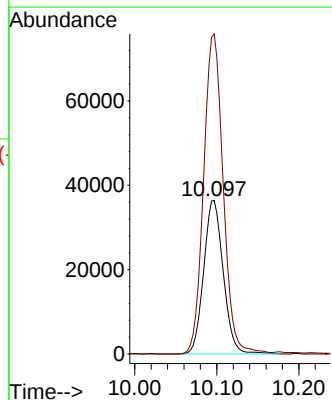
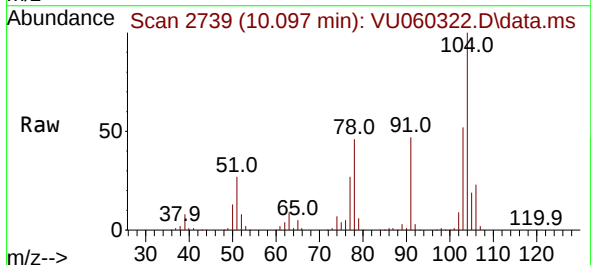
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

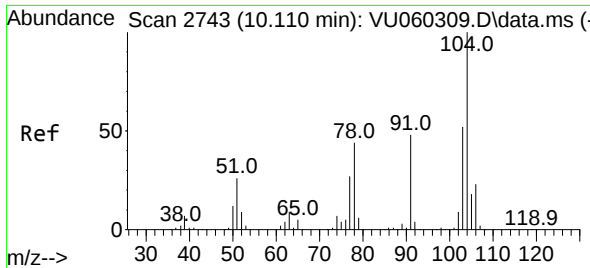
Tgt Ion:106 Resp: 58070
Ion Ratio Lower Upper
106 100
91 204.7 165.0 247.4



#65
o-Xylene
Concen: 3.736 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

Tgt Ion:106 Resp: 60230
Ion Ratio Lower Upper
106 100
91 208.9 108.8 326.4

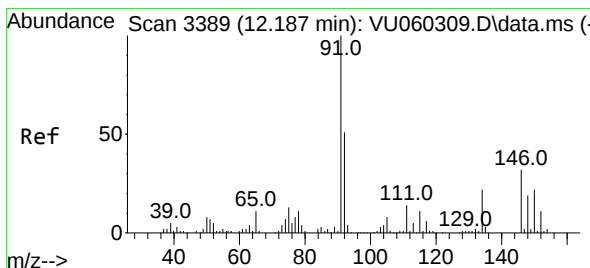
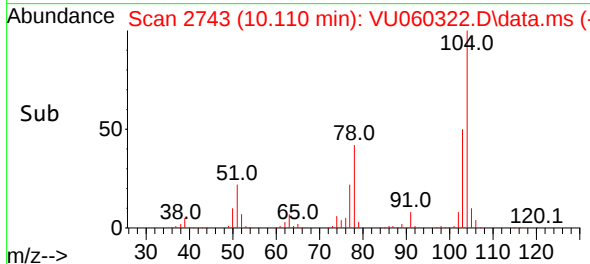
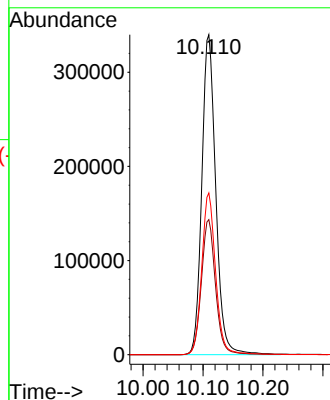
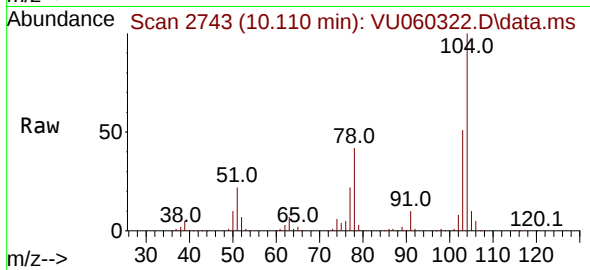




#66
Styrene
Concen: 18.000 ug/l
RT: 10.110 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

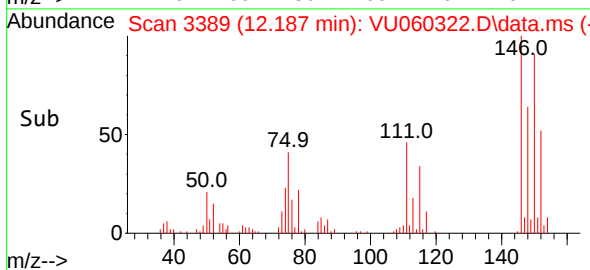
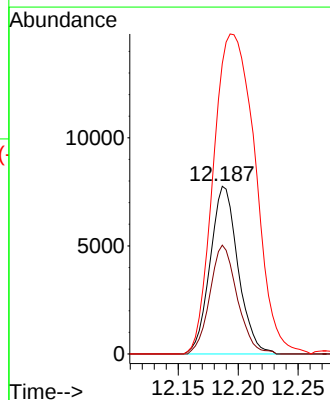
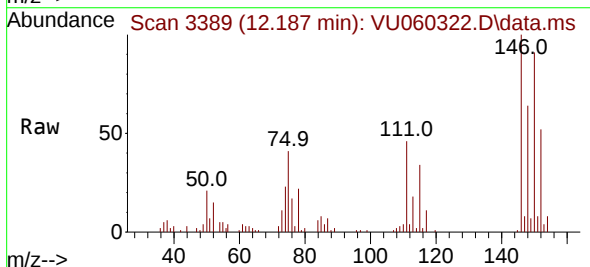
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

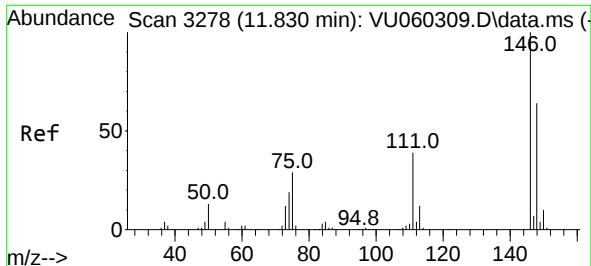
Tgt Ion:104 Resp: 552103
Ion Ratio Lower Upper
104 100
78 42.9 39.0 58.6
103 50.3 45.0 67.6



#68
1,2-Dichlorobenzene-d4
Concen: 1.051 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. -0.000 min
Lab File: VU060322.D
Acq: 06 Aug 2024 14:55

Tgt Ion:152 Resp: 12550
Ion Ratio Lower Upper
152 100
115 63.6 0.0 325.2
150 285.4 0.0 684.2

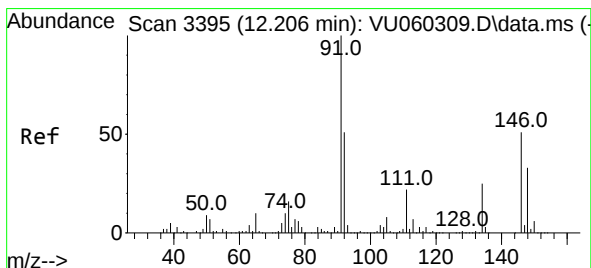
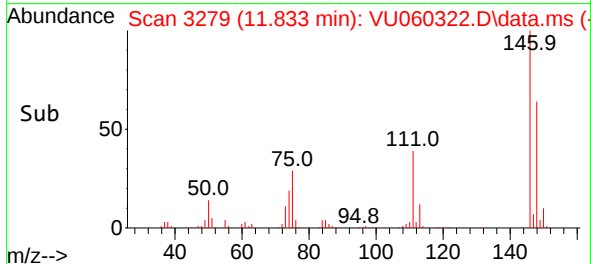
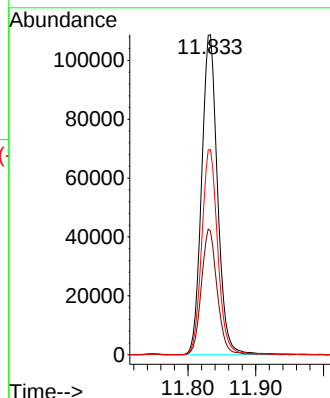
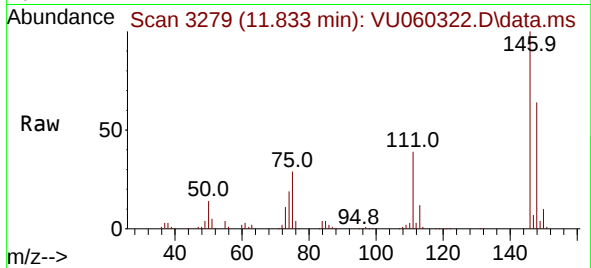




#83
 1,4-Dichlorobenzene
 Concen: 8.701 ug/l
 RT: 11.833 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU060322.D
 Acq: 06 Aug 2024 14:55

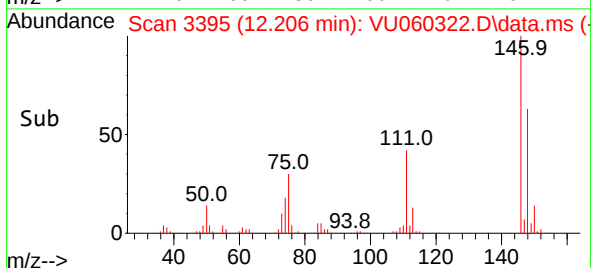
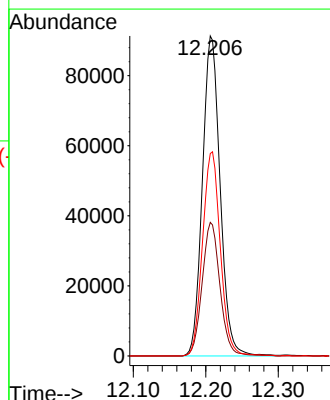
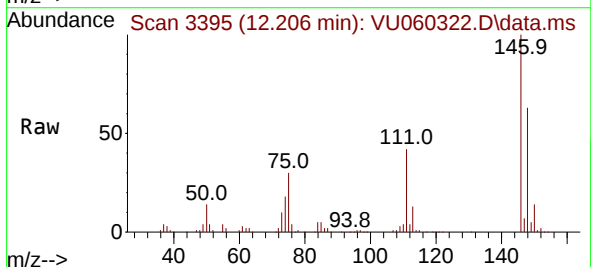
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

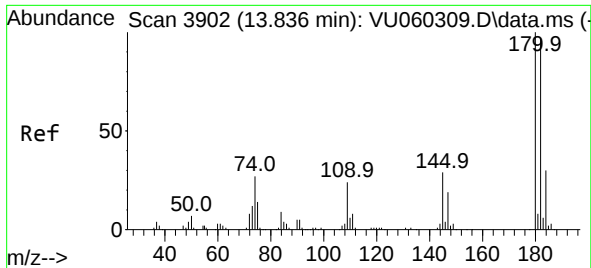
Tgt Ion:146 Resp: 177113
 Ion Ratio Lower Upper
 146 100
 111 38.8 30.9 46.3
 148 64.4 51.8 77.6



#85
 1,2-Dichlorobenzene
 Concen: 7.835 ug/l
 RT: 12.206 min Scan# 3395
 Delta R.T. 0.000 min
 Lab File: VU060322.D
 Acq: 06 Aug 2024 14:55

Tgt Ion:146 Resp: 155403
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.3 63.7
 148 64.0 32.0 96.0





#87
 1,2,4-Trichlorobenzene
 Concen: 12.300 ug/l
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.003 min
 Lab File: VU060322.D
 Acq: 06 Aug 2024 14:55

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Tgt Ion:180 Resp: 139532
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.8 115.2
 145 28.4 23.4 35.0

