

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
 Data File : VU063237.D
 Acq On : 11 Feb 2025 15:45
 Operator : MD/SY
 Sample : Q1172-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Quant Time: Feb 12 03:19:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Feb 11 08:42:19 2025
 Response via : Initial Calibration

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

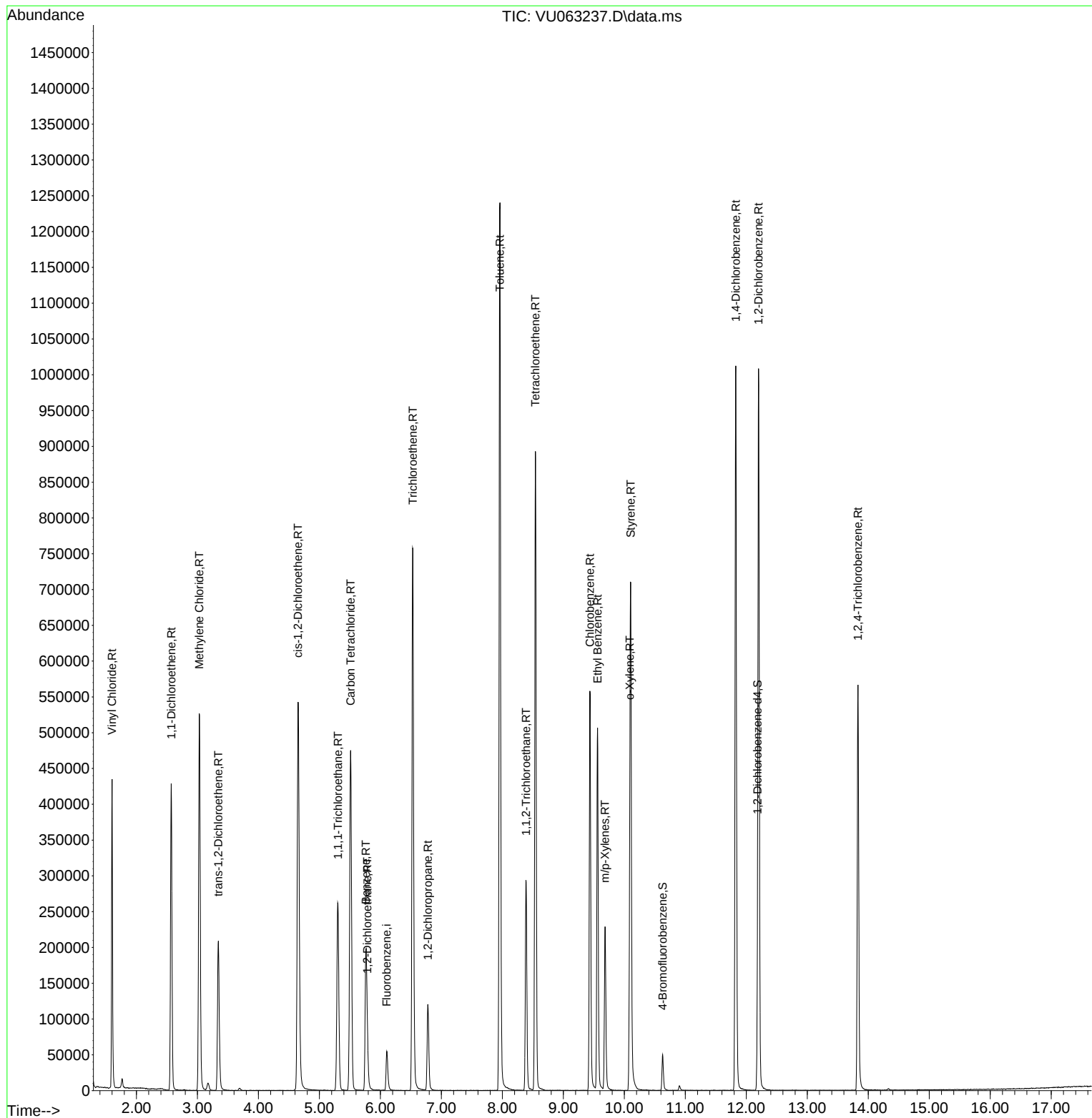
Internal Standards						
1) Fluorobenzene	6.103	96	54333	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	18048	1.007	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.184	152	18316	0.983	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.599	62	289938	14.415	ug/l	99
9) 1,1-Dichloroethene	2.570	96	150522	10.920	ug/l	97
15) Methylene Chloride	3.030	84	256157	15.042	ug/l	98
16) trans-1,2-Dichloroethene	3.341	96	90153	5.730	ug/l	99
22) cis-1,2-Dichloroethene	4.650	96	295505	17.384	ug/l	88
28) 1,1,1-Trichloroethane	5.303	97	189267	7.807	ug/l	100
30) Carbon Tetrachloride	5.512	117	326894	15.724	ug/l	97
35) Benzene	5.763	78	181072	2.712	ug/l	99
36) 1,2-Dichloroethane	5.785	62	47795	2.481	ug/l	98
37) Trichloroethene	6.531	130	257443	16.215	ug/l	100
38) 1,2-Dichloropropane	6.779	63	49067	2.808	ug/l	99
49) Toluene	7.959	92	523597	13.638	ug/l	98
52) 1,1,2-Trichloroethane	8.386	97	94081	7.886	ug/l	98
58) Tetrachloroethene	8.541	164	193632	14.799	ug/l	98
59) Chlorobenzene	9.434	112	303811	7.499	ug/l	99
63) Ethyl Benzene	9.560	91	352913	5.051	ug/l	100
64) m/p-Xylenes	9.682	106	65739	2.519	ug/l	98
65) o-Xylene	10.090	106	67433	2.639	ug/l	99
66) Styrene	10.103	104	309385	7.609	ug/l	94
83) 1,4-Dichlorobenzene	11.827	146	426032	13.875	ug/l	99
85) 1,2-Dichlorobenzene	12.200	146	409950	13.589	ug/l	99
87) 1,2,4-Trichlorobenzene	13.830	180	185597	12.614	ug/l	99

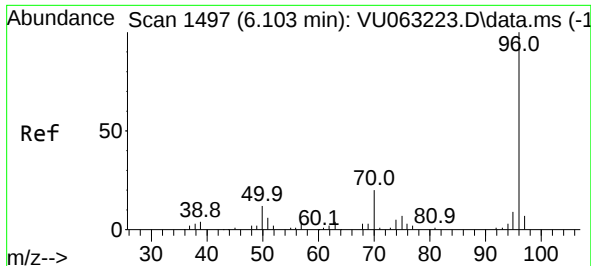
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021125\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U021025DW.M
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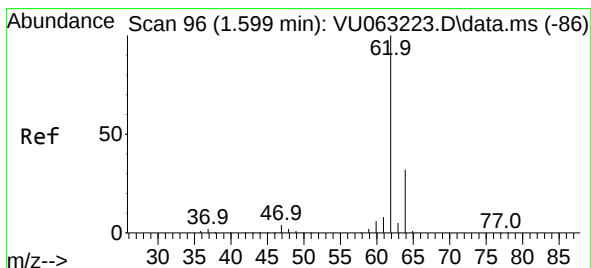
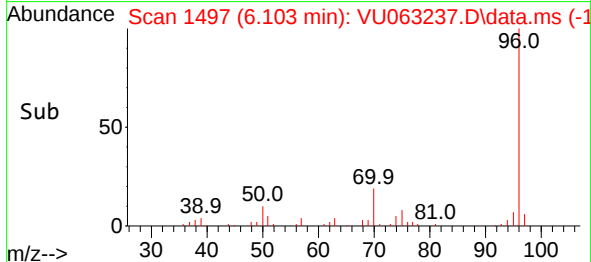
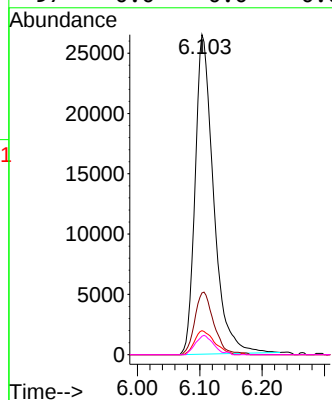
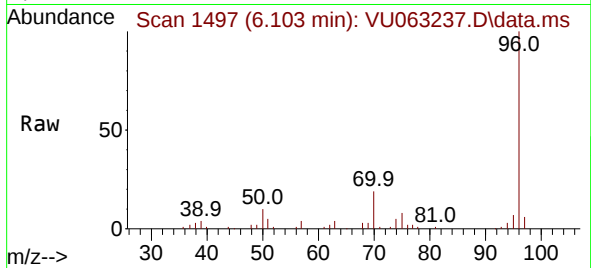




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.103 min Scan# 1497
Delta R.T. 0.000 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

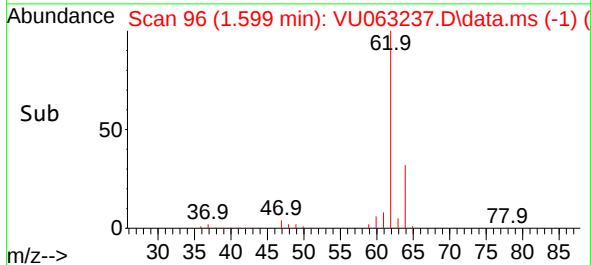
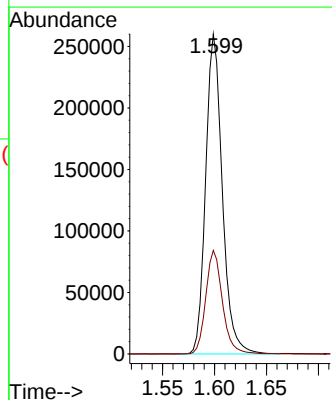
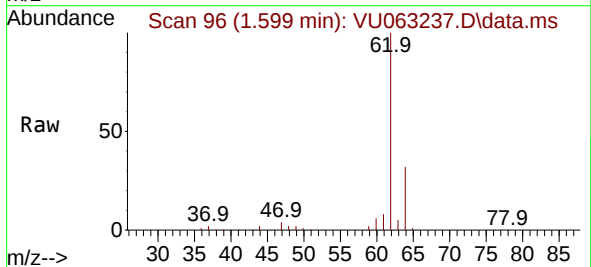
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

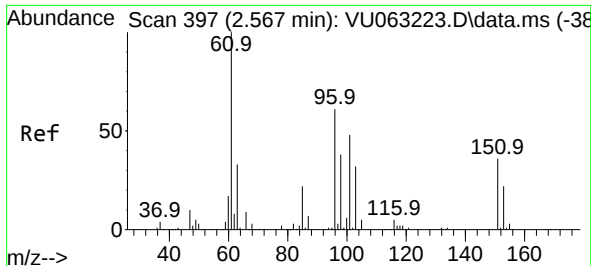
Tgt Ion: 96	Resp: 54333
Ion Ratio	Lower Upper
96 100	
70 20.3	15.6 23.4
95 0.0	7.3 10.9
97 0.0	0.0 0.0



#4
Vinyl Chloride
Concen: 14.415 ug/l
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

Tgt Ion: 62	Resp: 289938
Ion Ratio	Lower Upper
62 100	
64 32.3	25.4 38.0

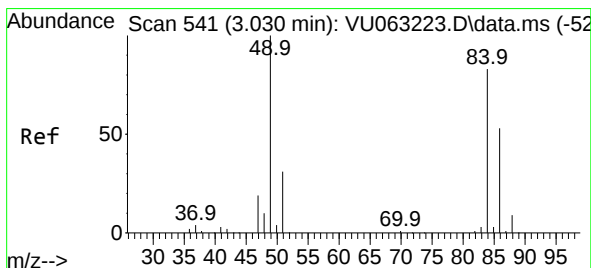
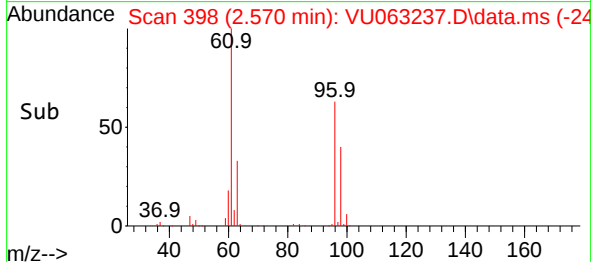
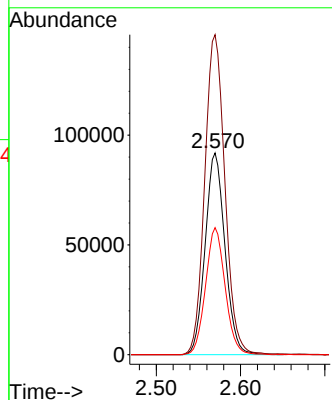
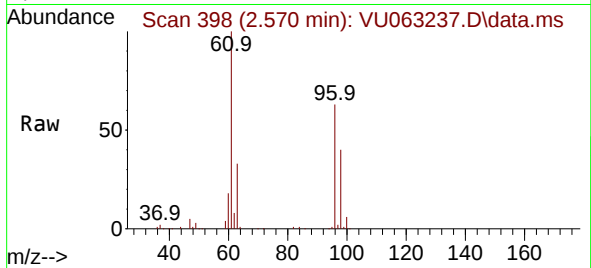




#9
1,1-Dichloroethene
Concen: 10.920 ug/l
RT: 2.570 min Scan# 397
Delta R.T. 0.003 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

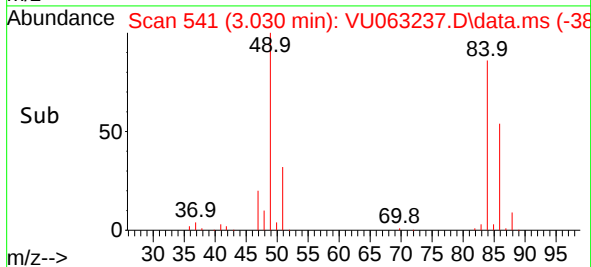
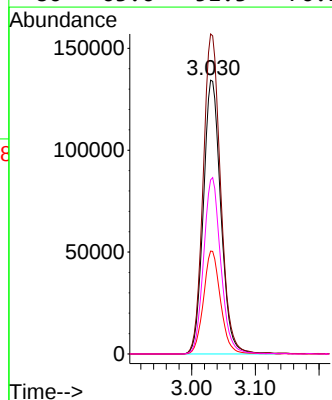
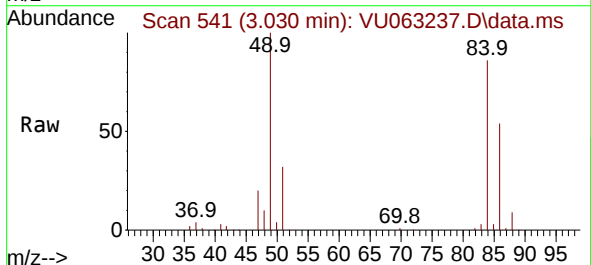
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

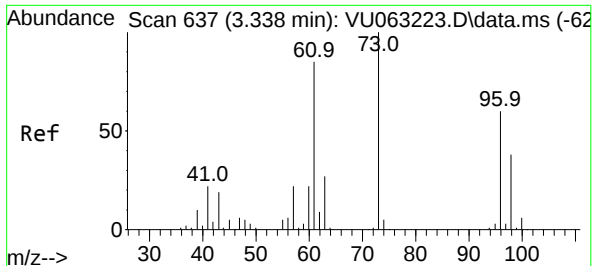
Tgt Ion: 96 Resp: 150522
Ion Ratio Lower Upper
96 100
61 158.6 0.0 492.9
98 63.0 0.0 124.0



#15
Methylene Chloride
Concen: 15.042 ug/l
RT: 3.030 min Scan# 541
Delta R.T. 0.000 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

Tgt Ion: 84 Resp: 256157
Ion Ratio Lower Upper
84 100
49 116.9 96.4 144.6
51 37.6 0.0 74.8
86 63.6 51.3 76.9

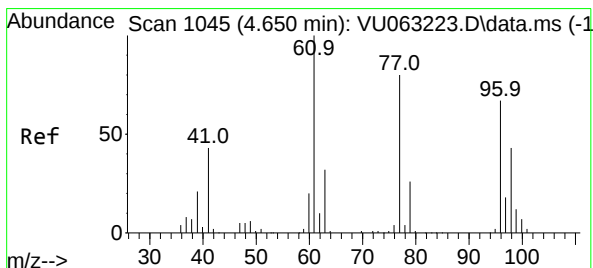
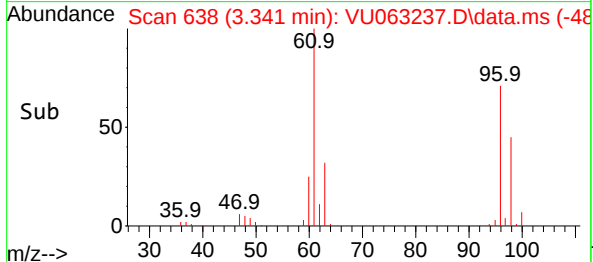
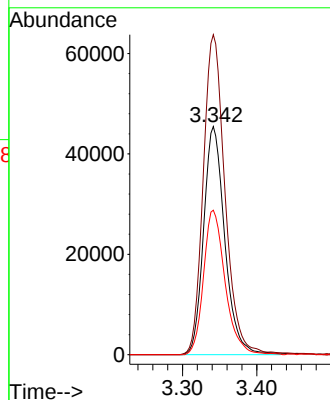
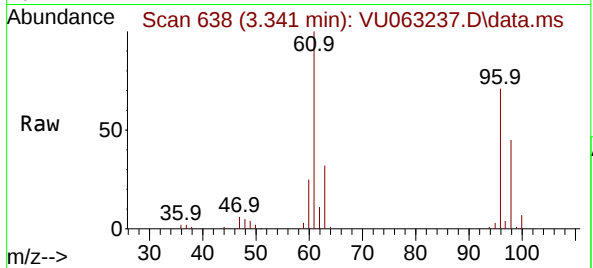




#16
trans-1,2-Dichloroethene
Concen: 5.730 ug/l
RT: 3.341 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

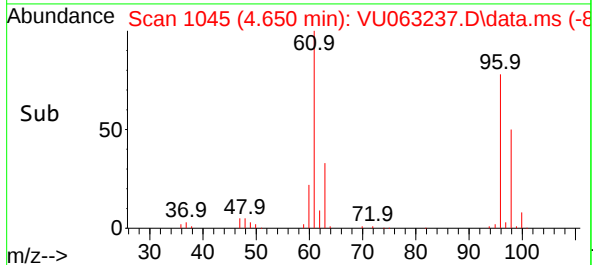
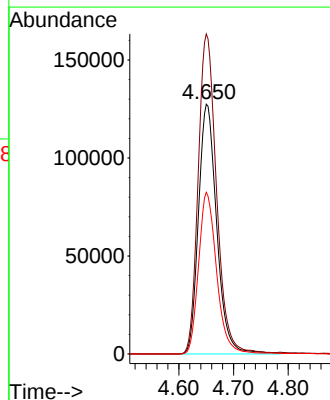
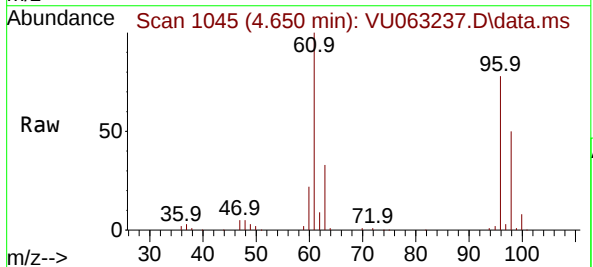
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

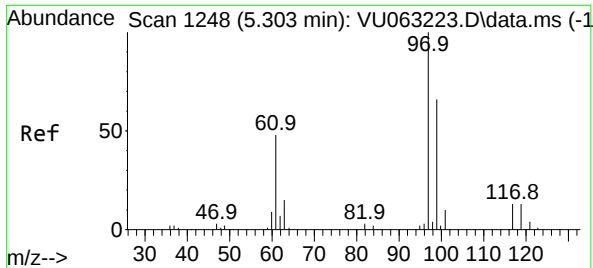
Tgt Ion: 96 Resp: 90153
Ion Ratio Lower Upper
96 100
61 140.2 113.4 170.2
98 63.3 51.2 76.8



#22
cis-1,2-Dichloroethene
Concen: 17.384 ug/l
RT: 4.650 min Scan# 1045
Delta R.T. 0.000 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

Tgt Ion: 96 Resp: 295505
Ion Ratio Lower Upper
96 100
61 128.6 0.0 373.3
98 63.6 31.9 95.9

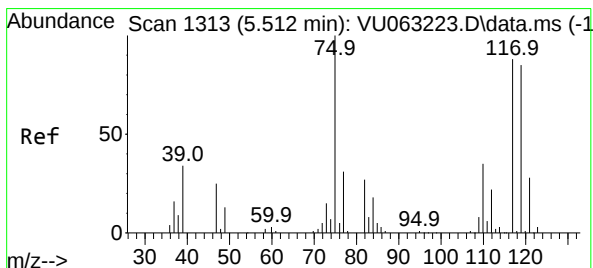
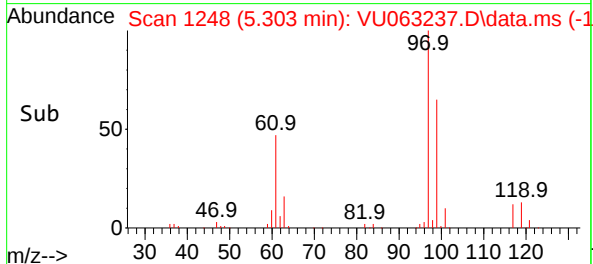
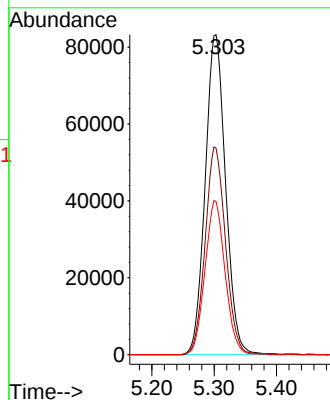
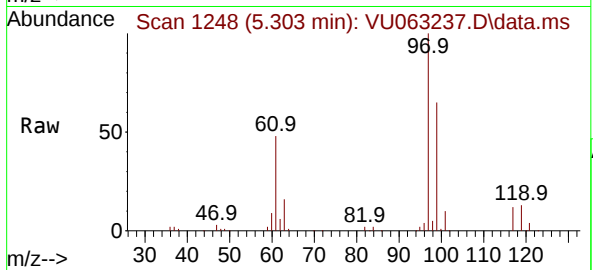




#28
1,1,1-Trichloroethane
Concen: 7.807 ug/l
RT: 5.303 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

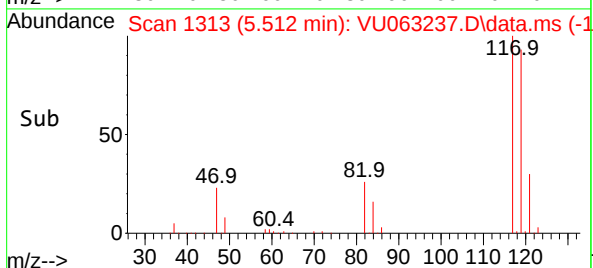
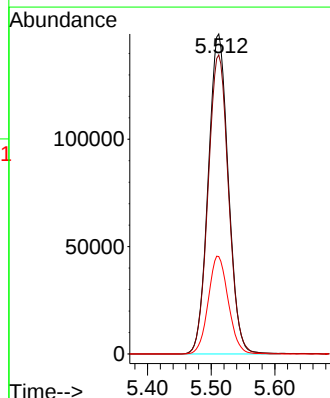
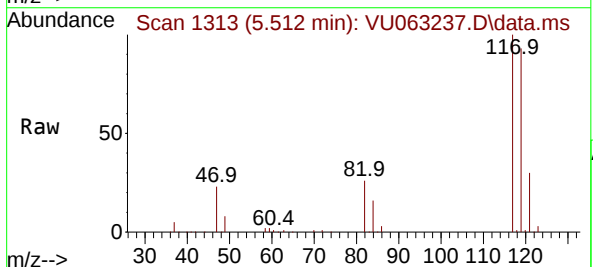
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

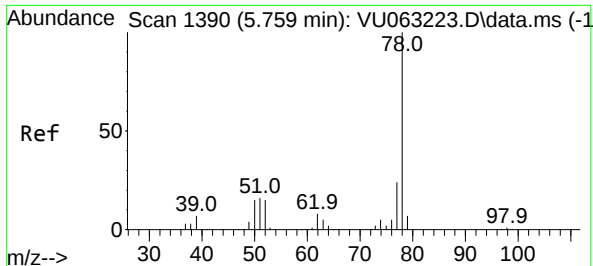
Tgt Ion: 97 Resp: 189267
Ion Ratio Lower Upper
97 100
99 64.7 32.4 97.0
61 47.4 23.8 71.2



#30
Carbon Tetrachloride
Concen: 15.724 ug/l
RT: 5.512 min Scan# 1313
Delta R.T. 0.000 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

Tgt Ion: 117 Resp: 326894
Ion Ratio Lower Upper
117 100
119 93.5 76.7 115.1
121 30.5 25.5 38.3

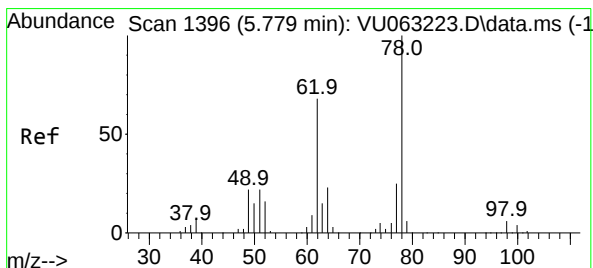
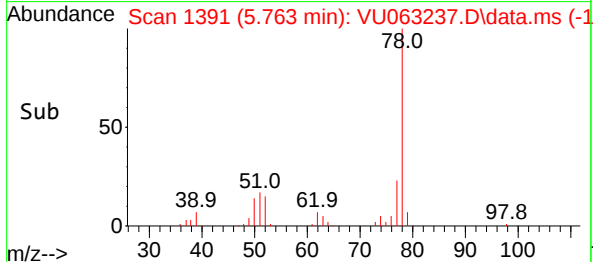
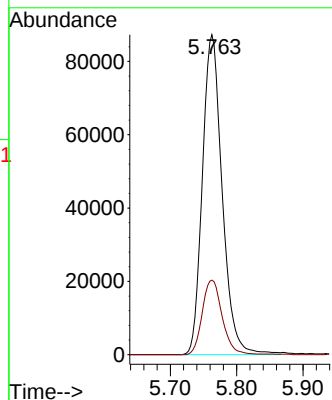
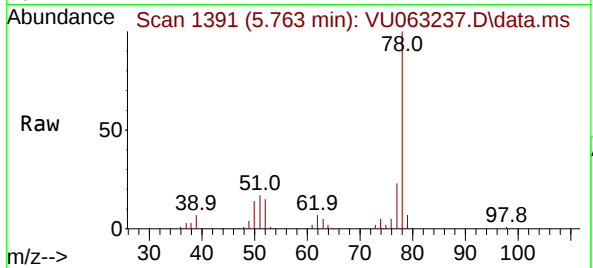




#35
Benzene
Concen: 2.712 ug/l
RT: 5.763 min Scan# 1391
Delta R.T. 0.003 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

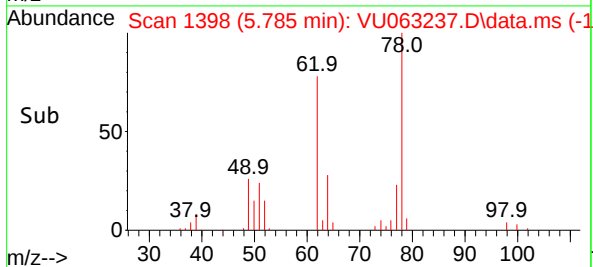
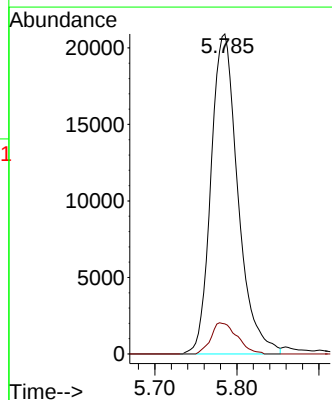
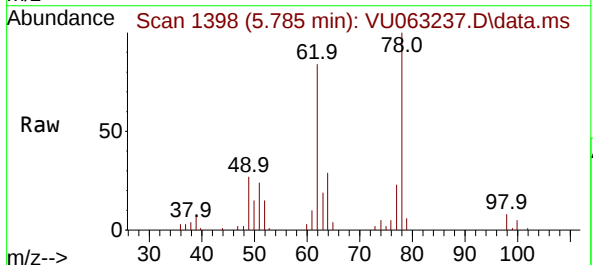
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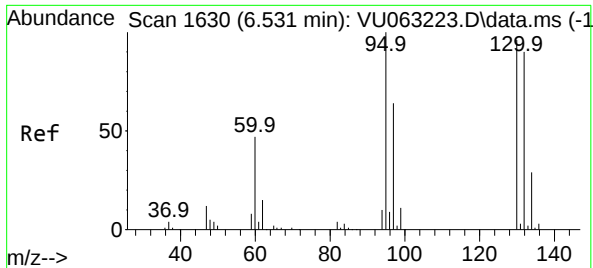
Tgt Ion: 78 Resp: 181072
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4



#36
1,2-Dichloroethane
Concen: 2.481 ug/l
RT: 5.785 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

Tgt Ion: 62 Resp: 47795
Ion Ratio Lower Upper
62 100
98 9.4 6.9 10.3

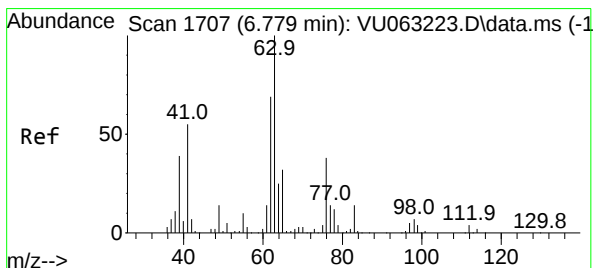
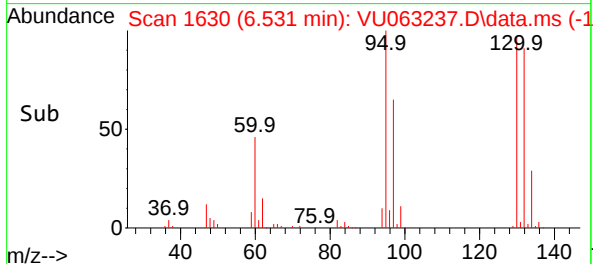
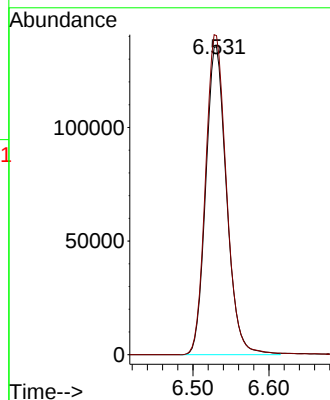
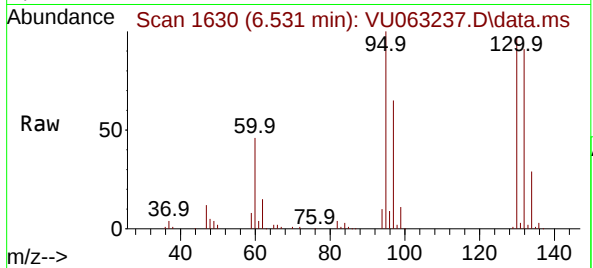




#37
Trichloroethene
Concen: 16.215 ug/l
RT: 6.531 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

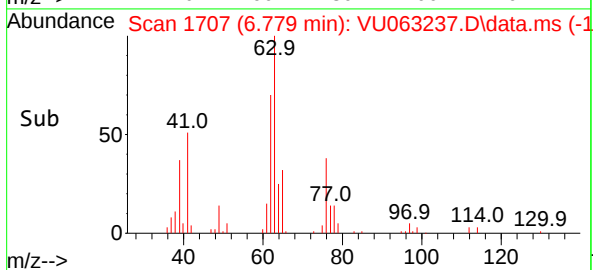
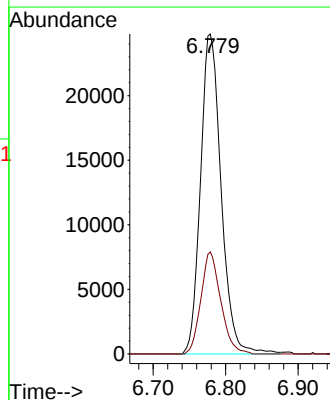
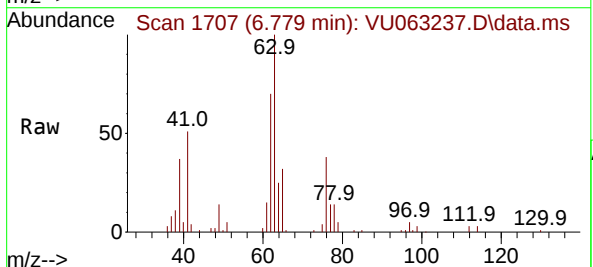
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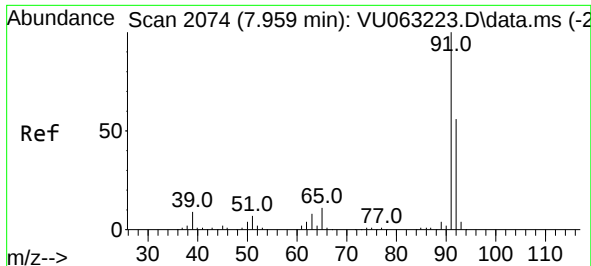
Tgt Ion:130 Resp: 257443
Ion Ratio Lower Upper
130 100
95 103.5 83.2 124.8



#38
1,2-Dichloropropane
Concen: 2.808 ug/l
RT: 6.779 min Scan# 1707
Delta R.T. 0.000 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

Tgt Ion: 63 Resp: 49067
Ion Ratio Lower Upper
63 100
65 31.9 25.3 37.9





#49

Toluene

Concen: 13.638 ug/l

RT: 7.959 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VU063237.D

Acq: 11 Feb 2025 15:45

Instrument :

MSVOA_U

ClientSampleId :

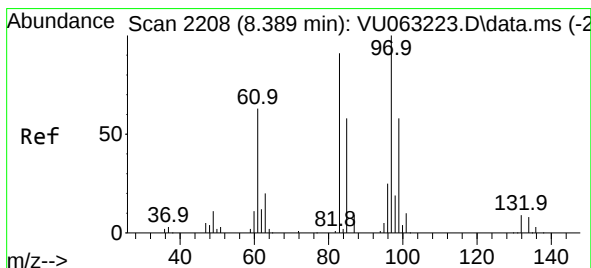
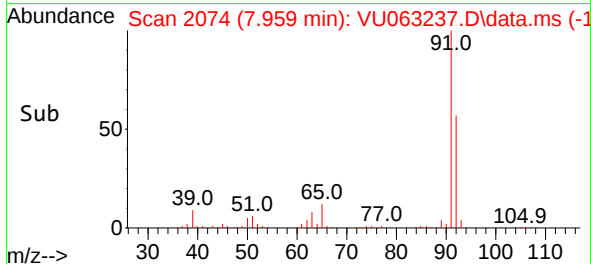
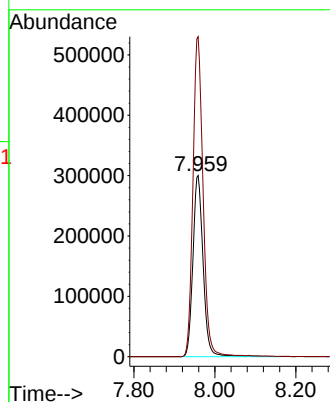
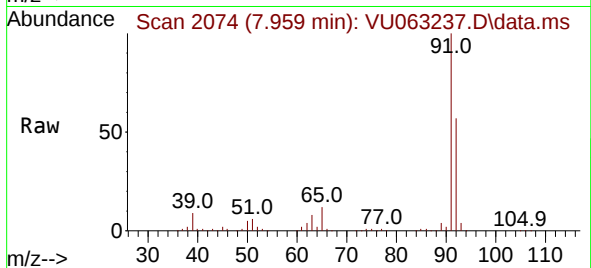
PT-RVOA-WS

Tgt Ion: 92 Resp: 523597

Ion Ratio Lower Upper

92 100

91 174.9 141.8 212.6



#52

1,1,2-Trichloroethane

Concen: 7.886 ug/l

RT: 8.386 min Scan# 2207

Delta R.T. -0.003 min

Lab File: VU063237.D

Acq: 11 Feb 2025 15:45

Tgt Ion: 97 Resp: 94081

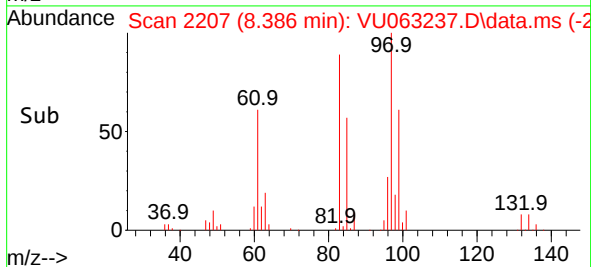
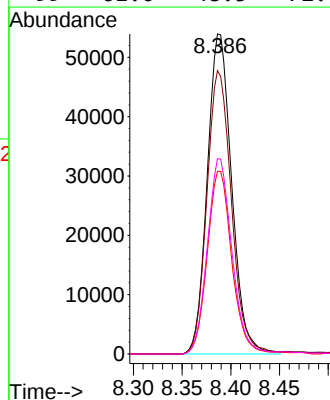
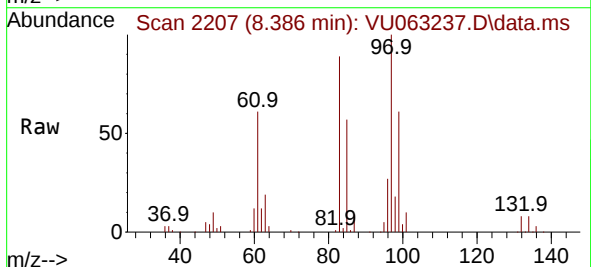
Ion Ratio Lower Upper

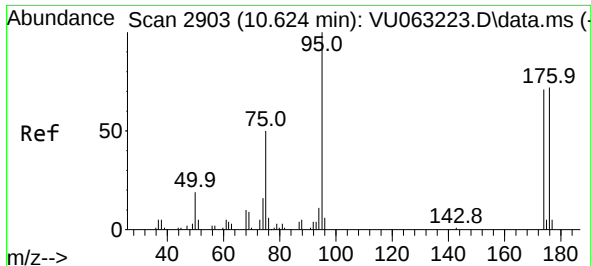
97 100

83 88.6 73.0 109.4

85 57.1 46.3 69.5

99 61.0 48.5 72.7

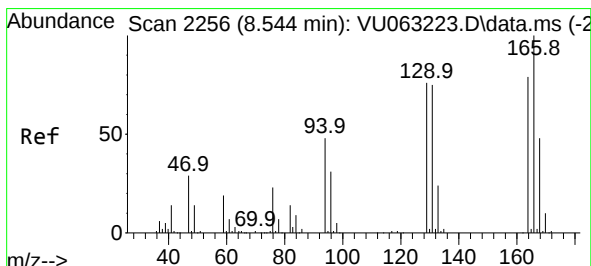
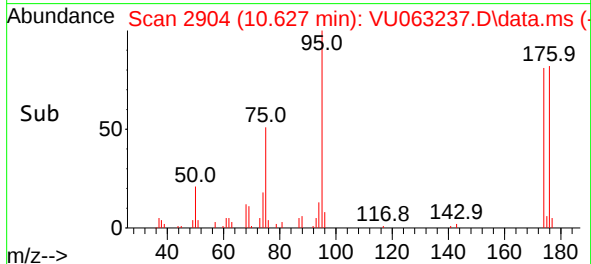
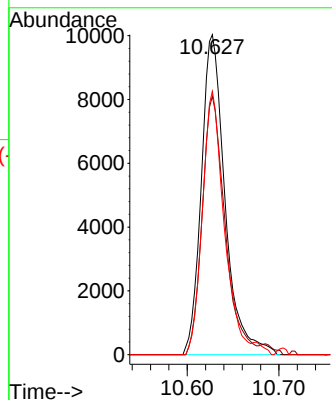
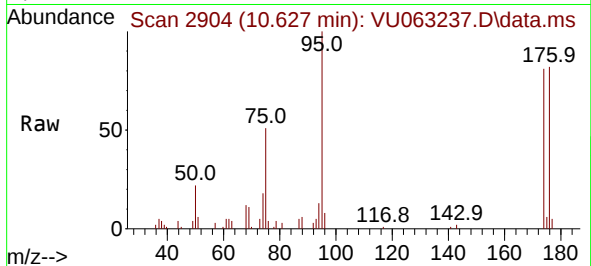




#57
 4-Bromofluorobenzene
 Concen: 1.007 ug/l
 RT: 10.627 min Scan# 2904
 Delta R.T. 0.003 min
 Lab File: VU063237.D
 Acq: 11 Feb 2025 15:45

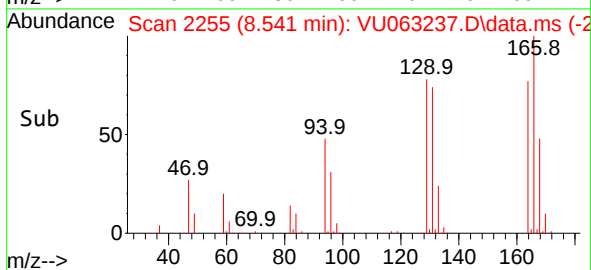
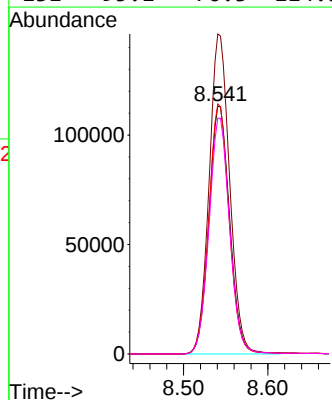
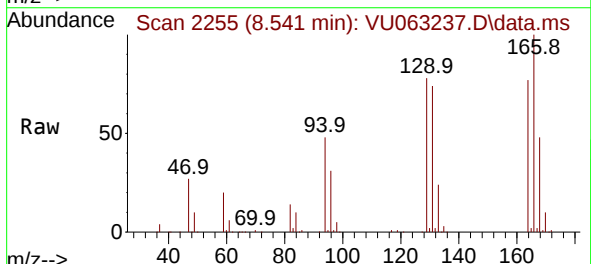
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

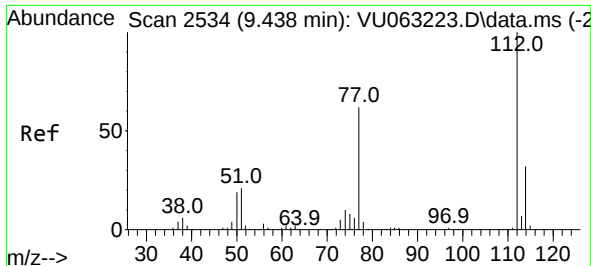
Tgt Ion: 95 Resp: 18048
 Ion Ratio Lower Upper
 95 100
 174 77.4 58.6 88.0
 176 77.1 58.2 87.4



#58
 Tetrachloroethene
 Concen: 14.799 ug/l
 RT: 8.541 min Scan# 2255
 Delta R.T. -0.003 min
 Lab File: VU063237.D
 Acq: 11 Feb 2025 15:45

Tgt Ion: 164 Resp: 193632
 Ion Ratio Lower Upper
 164 100
 166 129.1 101.4 152.0
 129 100.9 77.0 115.4
 131 95.1 76.3 114.5





#59

Chlorobenzene

Concen: 7.499 ug/l

RT: 9.434 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU063237.D

Acq: 11 Feb 2025 15:45

Instrument :

MSVOA_U

ClientSampleId :

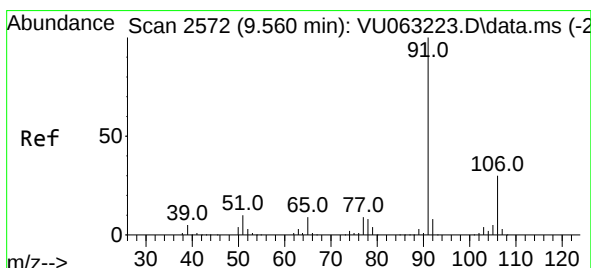
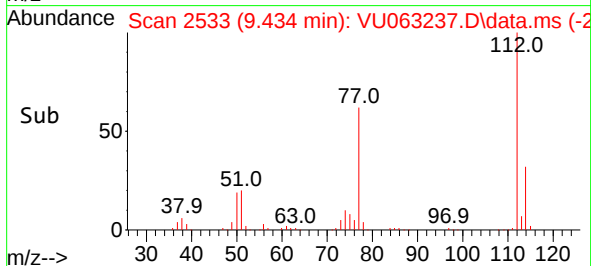
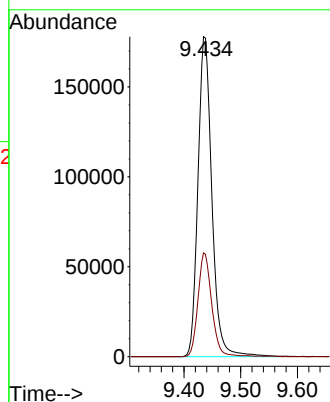
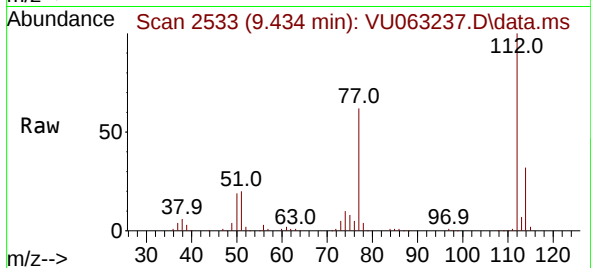
PT-RVOA-WS

Tgt Ion:112 Resp: 303811

Ion Ratio Lower Upper

112 100

114 32.4 25.7 38.5



#63

Ethyl Benzene

Concen: 5.051 ug/l

RT: 9.560 min Scan# 2572

Delta R.T. 0.000 min

Lab File: VU063237.D

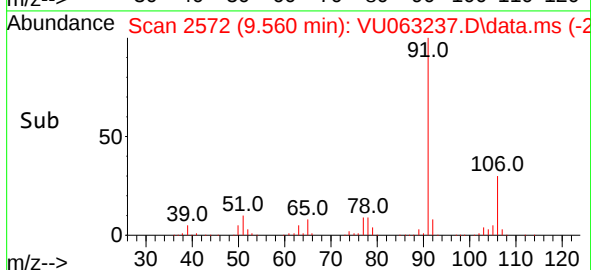
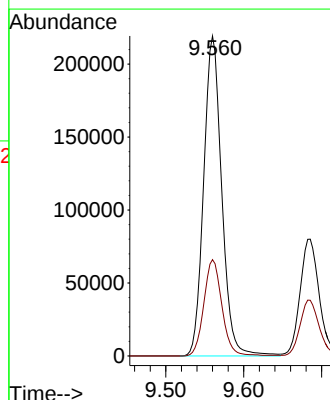
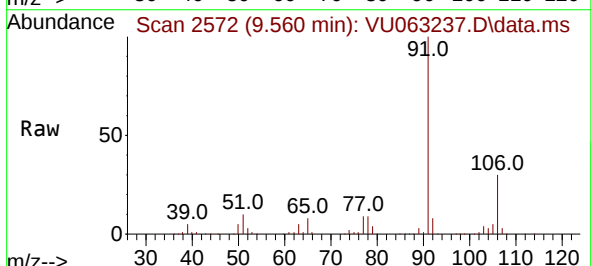
Acq: 11 Feb 2025 15:45

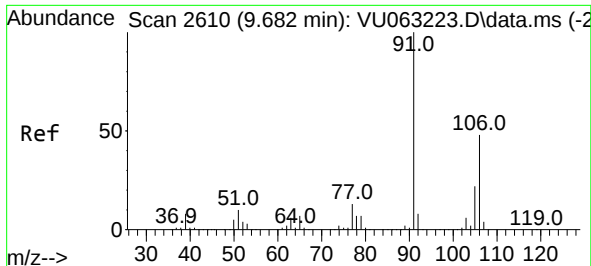
Tgt Ion: 91 Resp: 352913

Ion Ratio Lower Upper

91 100

106 30.1 24.2 36.2

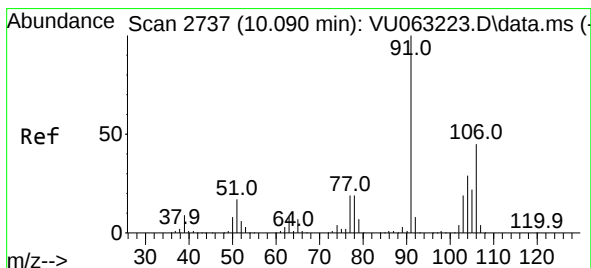
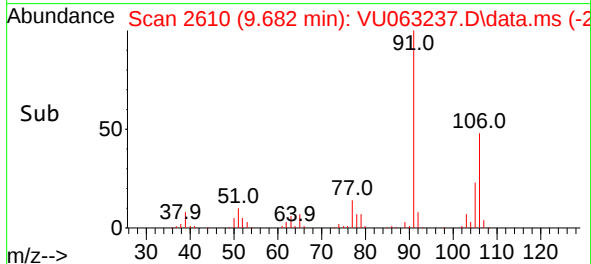
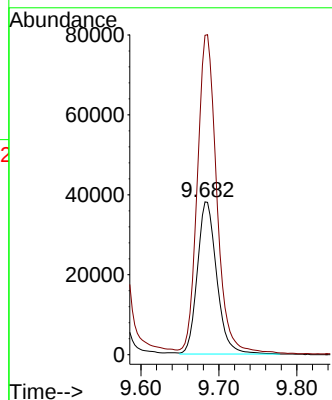
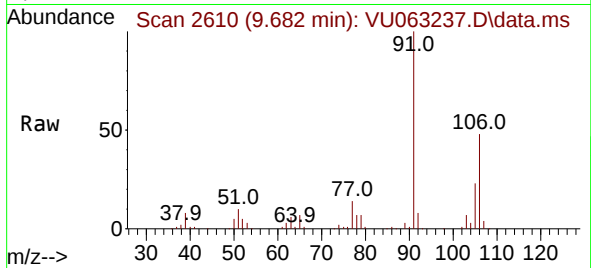




#64
m/p-Xylenes
Concen: 2.519 ug/l
RT: 9.682 min Scan# 2610
Delta R.T. 0.000 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

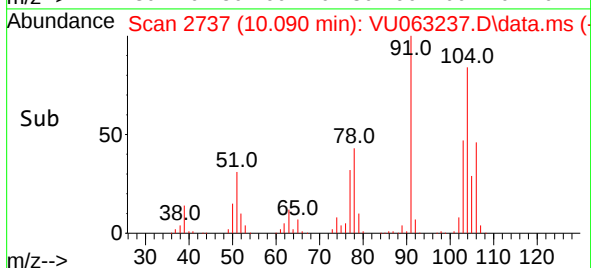
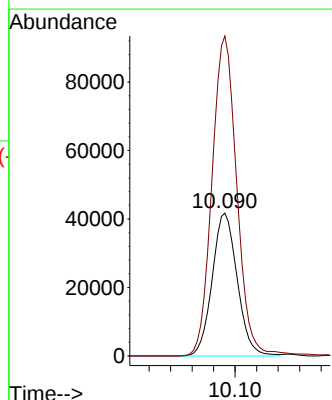
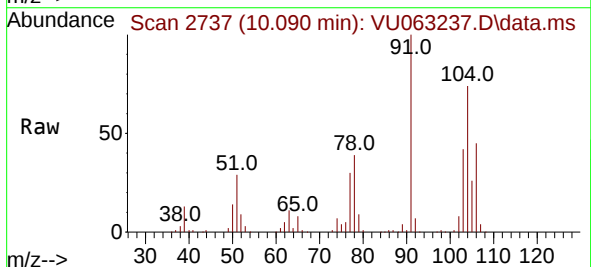
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

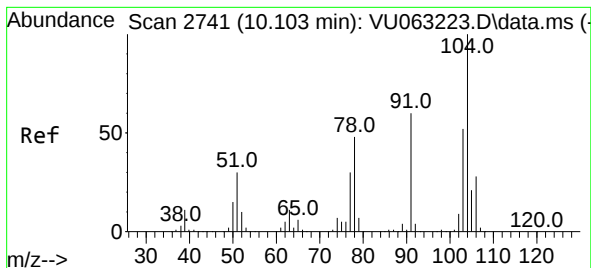
Tgt Ion:106 Resp: 65739
Ion Ratio Lower Upper
106 100
91 212.0 166.9 250.3



#65
o-Xylene
Concen: 2.639 ug/l
RT: 10.090 min Scan# 2737
Delta R.T. 0.000 min
Lab File: VU063237.D
Acq: 11 Feb 2025 15:45

Tgt Ion:106 Resp: 67433
Ion Ratio Lower Upper
106 100
91 223.3 110.9 332.9





#66

Styrene

Concen: 7.609 ug/l

RT: 10.103 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU063237.D

Acq: 11 Feb 2025 15:45

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS

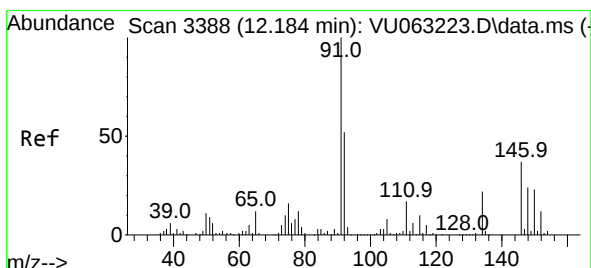
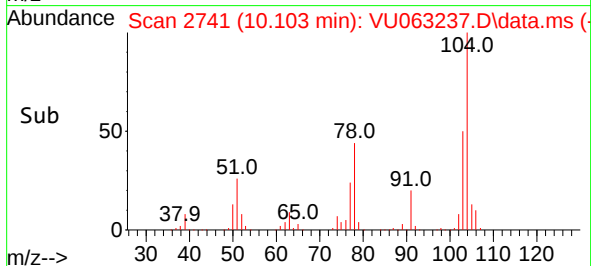
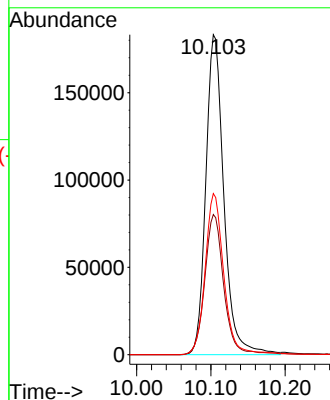
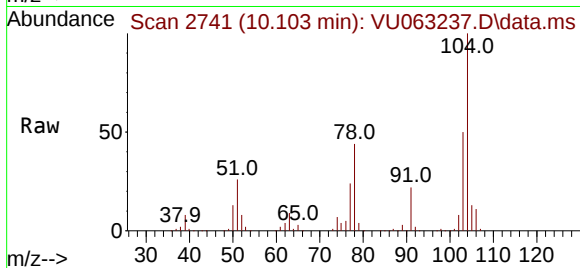
Tgt Ion:104 Resp: 309385

Ion Ratio Lower Upper

104 100

78 46.1 41.2 61.8

103 52.4 44.8 67.2



#68

1,2-Dichlorobenzene-d4

Concen: 0.983 ug/l

RT: 12.184 min Scan# 3388

Delta R.T. 0.000 min

Lab File: VU063237.D

Acq: 11 Feb 2025 15:45

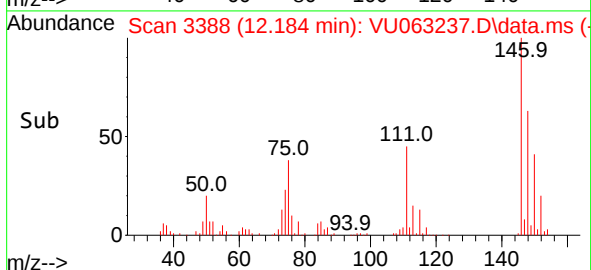
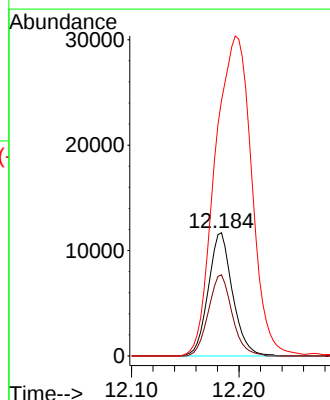
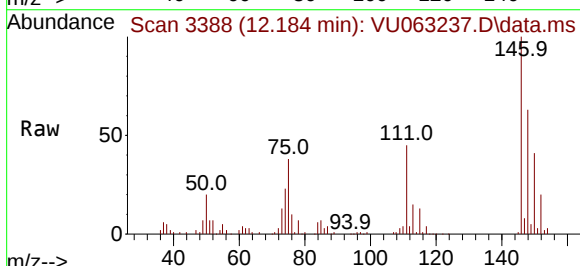
Tgt Ion:152 Resp: 18316

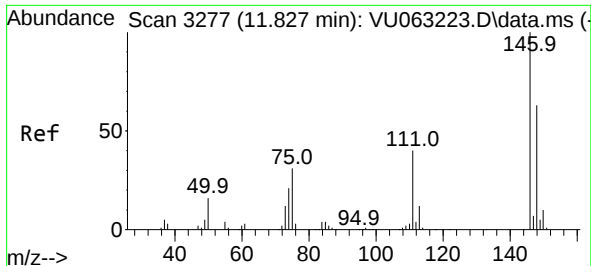
Ion Ratio Lower Upper

152 100

115 64.4 0.0 275.2

150 391.3 0.0 658.4

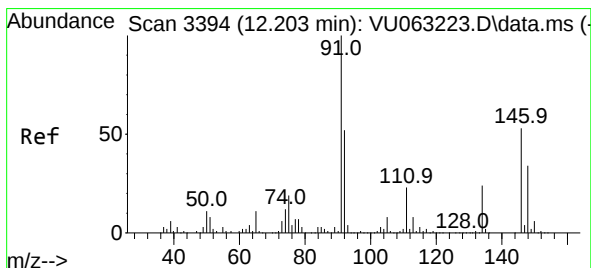
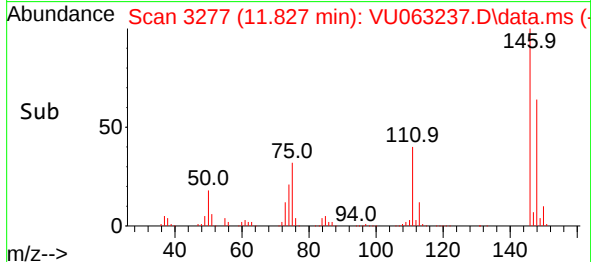
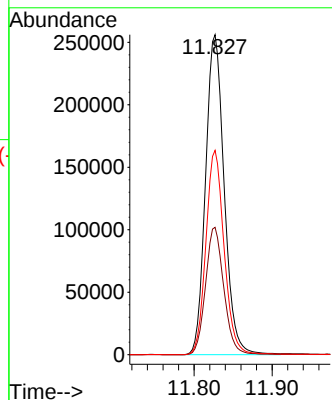
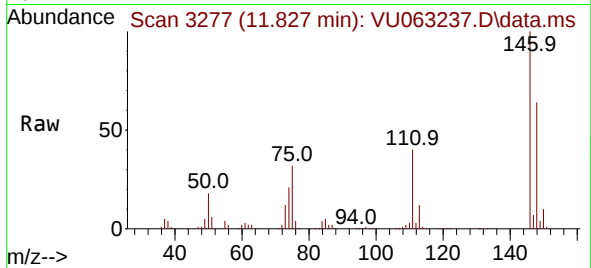




#83
 1,4-Dichlorobenzene
 Concen: 13.875 ug/l
 RT: 11.827 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU063237.D
 Acq: 11 Feb 2025 15:45

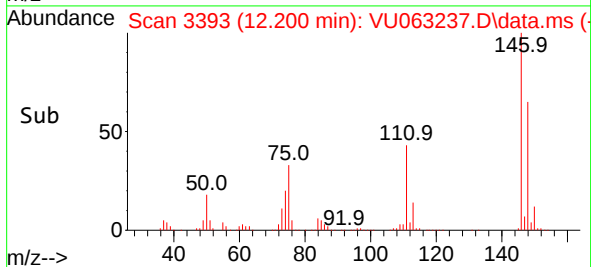
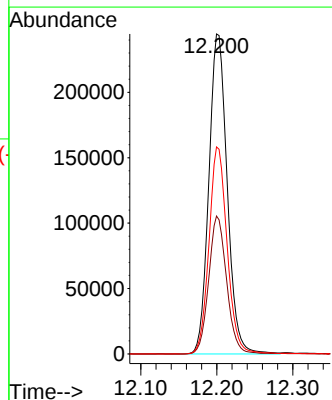
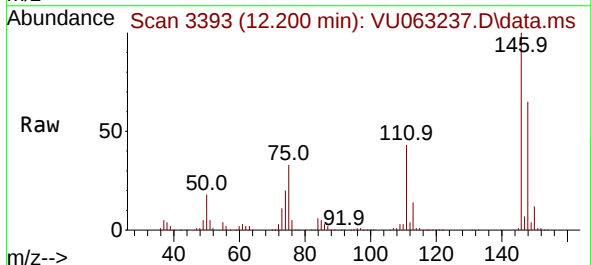
Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

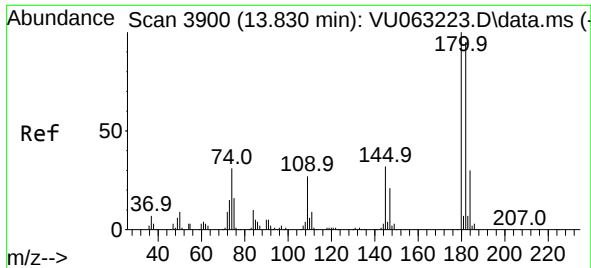
Tgt Ion:146 Resp: 426032
 Ion Ratio Lower Upper
 146 100
 111 39.2 32.1 48.1
 148 62.6 50.2 75.4



#85
 1,2-Dichlorobenzene
 Concen: 13.589 ug/l
 RT: 12.200 min Scan# 3393
 Delta R.T. -0.003 min
 Lab File: VU063237.D
 Acq: 11 Feb 2025 15:45

Tgt Ion:146 Resp: 409950
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.9 65.7
 148 64.0 32.3 96.9





#87
 1,2,4-Trichlorobenzene
 Concen: 12.614 ug/l
 RT: 13.830 min Scan# 3900
 Delta R.T. 0.000 min
 Lab File: VU063237.D
 Acq: 11 Feb 2025 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Tgt Ion:180 Resp: 185597
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.6 115.0
 145 30.5 25.4 38.2

