

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072623\
 Data File : VU054885.D
 Acq On : 26 Jul 2023 18:57
 Operator : MD/SY
 Sample : 03587-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PT-RVOA-WS

Quant Time: Jul 28 03:25:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 26 09:45:35 2023
 Response via : Initial Calibration

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

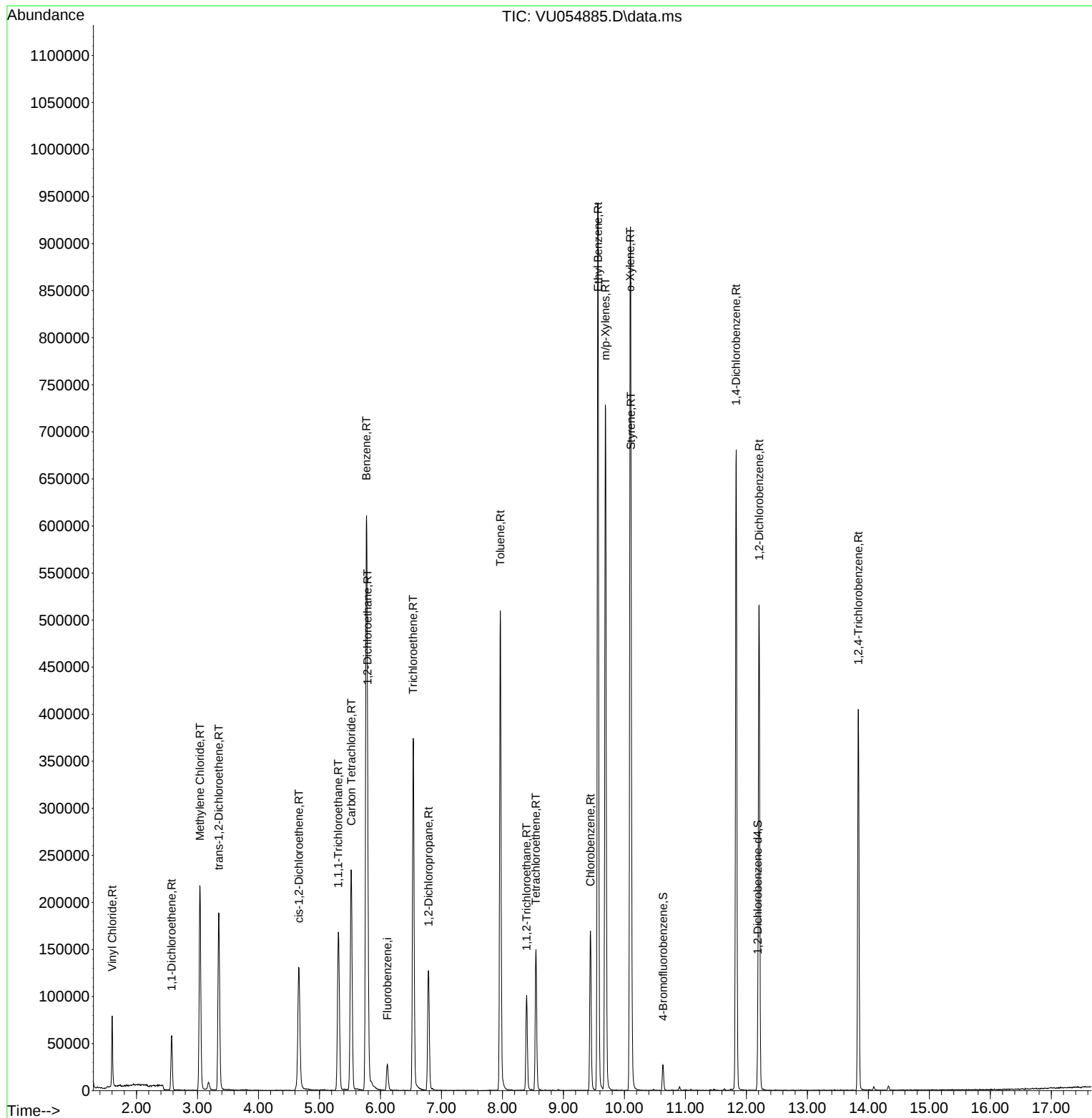
Internal Standards						
1) Fluorobenzene	6.113	96	26989	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8369	1.023	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	9600	1.038	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.602	62	50864	6.597	ug/l	98
9) 1,1-Dichloroethene	2.576	96	19958	4.283	ug/l	97
15) Methylene Chloride	3.039	84	103872	17.507	ug/l	99
16) trans-1,2-Dichloroethene	3.351	96	82457	16.255	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	68080	10.099	ug/l	93
28) 1,1,1-Trichloroethane	5.309	97	121622	11.558	ug/l	99
30) Carbon Tetrachloride	5.521	117	152043	17.309	ug/l	99
35) Benzene	5.769	78	529764	21.794	ug/l	100
36) 1,2-Dichloroethane	5.788	62	147155	21.280	ug/l	99
37) Trichloroethene	6.537	130	124089	18.981	ug/l	97
38) 1,2-Dichloropropane	6.788	63	49648	7.225	ug/l	99
49) Toluene	7.965	92	216897	14.007	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	32383	6.329	ug/l	90
58) Tetrachloroethene	8.550	164	32154	5.634	ug/l	96
59) Chlorobenzene	9.444	112	94408	5.024	ug/l	99
63) Ethyl Benzene	9.566	91	663969	21.056	ug/l	98
64) m/p-Xylenes	9.688	106	214858	18.212	ug/l	99
65) o-Xylene	10.097	106	214340	17.689	ug/l	96
66) Styrene	10.110	104	160899	8.305	ug/l	90
83) 1,4-Dichlorobenzene	11.833	146	272467	17.726	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	201923	13.661	ug/l	100
87) 1,2,4-Trichlorobenzene	13.836	180	119598	12.686	ug/l	99

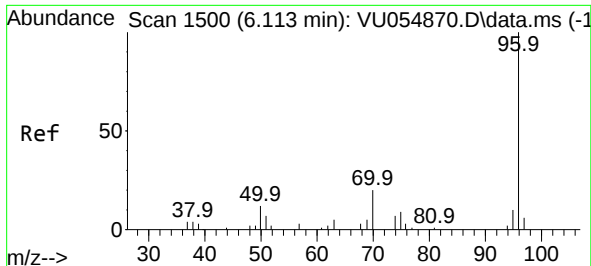
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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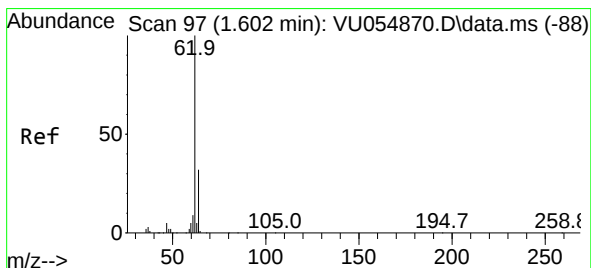
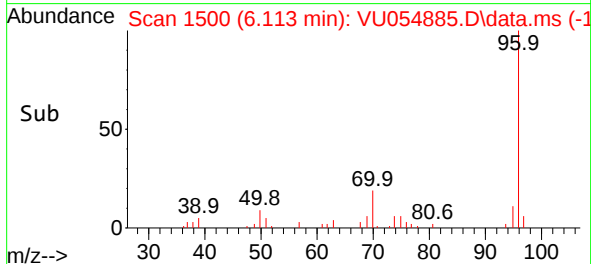
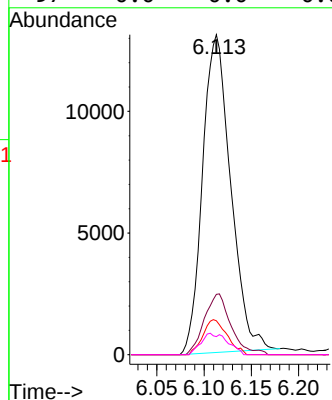
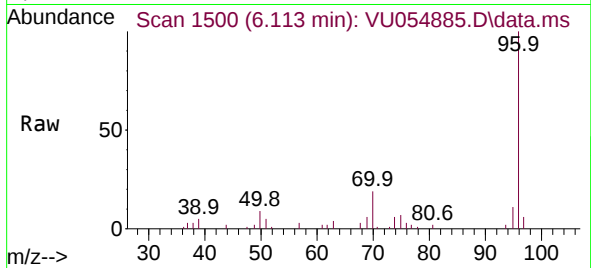




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

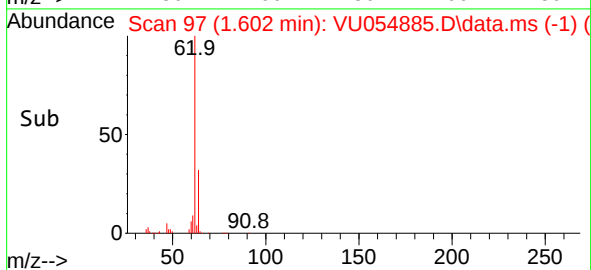
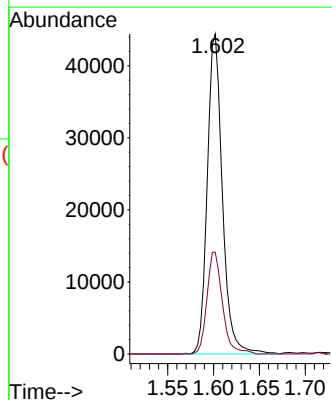
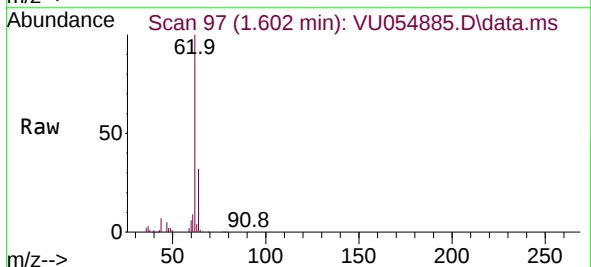
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

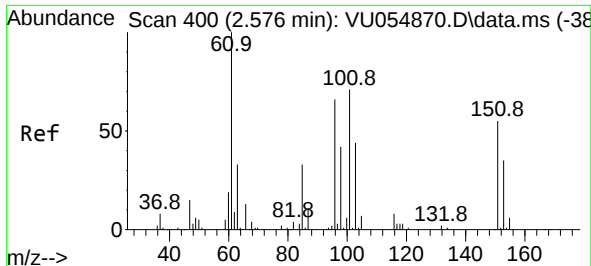
Tgt Ion:	96	Resp:	26989
Ion	Ratio	Lower	Upper
96	100		
70	18.1	14.0	21.0
95	9.5	8.7	13.1
97	0.0	0.0	0.0



#4
Vinyl Chloride
Concen: 6.597 ug/l
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion:	62	Resp:	50864
Ion	Ratio	Lower	Upper
62	100		
64	31.8	26.4	39.6

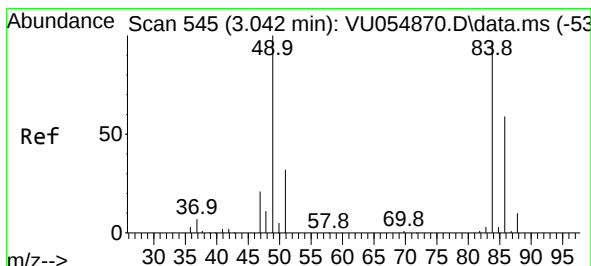
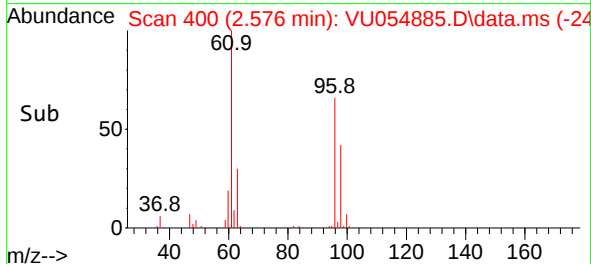
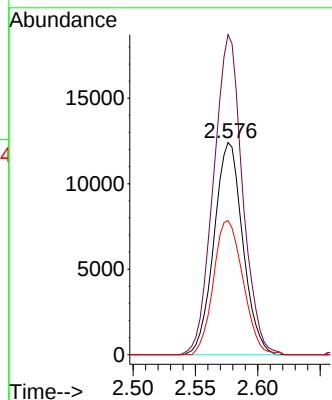
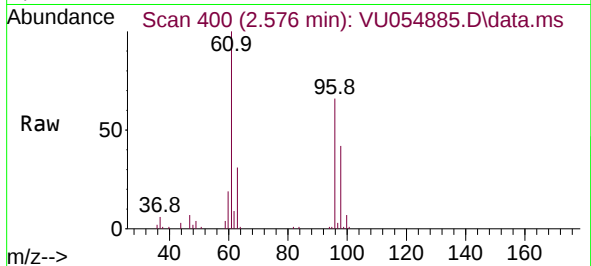




#9
1,1-Dichloroethene
Concen: 4.283 ug/l
RT: 2.576 min Scan# 40
Delta R.T. 0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

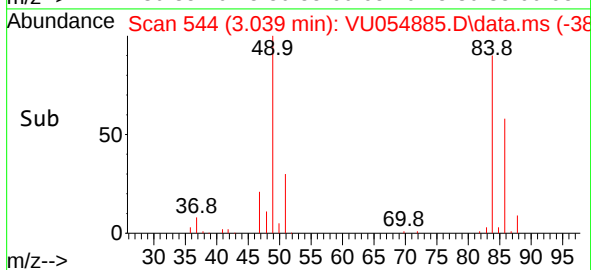
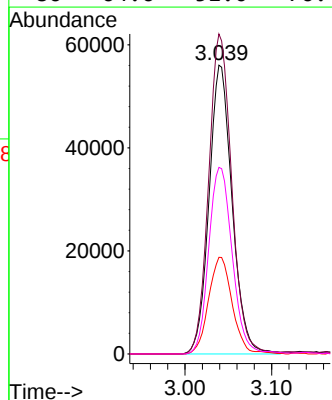
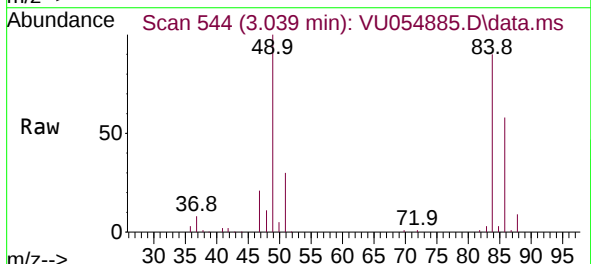
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

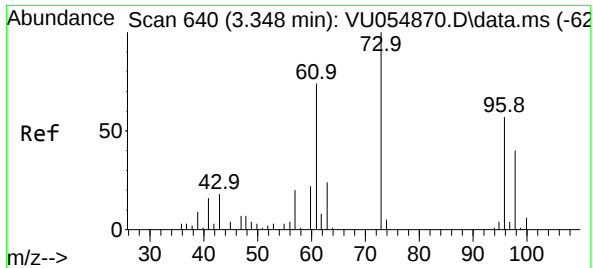
Tgt Ion: 96 Resp: 19958
Ion Ratio Lower Upper
96 100
61 150.8 0.0 440.1
98 63.2 0.0 121.8



#15
Methylene Chloride
Concen: 17.507 ug/l
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion: 84 Resp: 103872
Ion Ratio Lower Upper
84 100
49 110.8 87.8 131.6
51 33.5 0.0 68.2
86 64.6 51.0 76.4

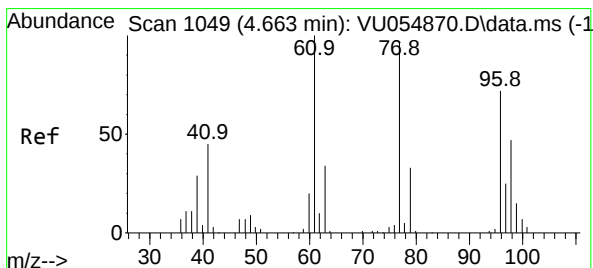
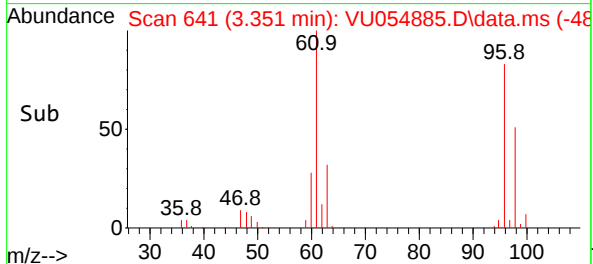
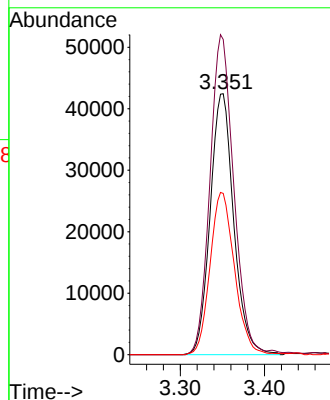
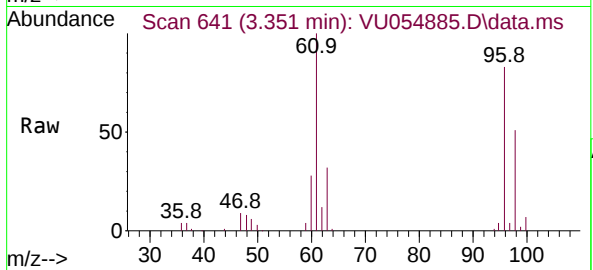




#16
trans-1,2-Dichloroethene
Concen: 16.255 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

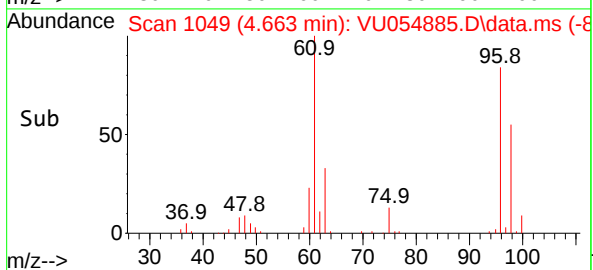
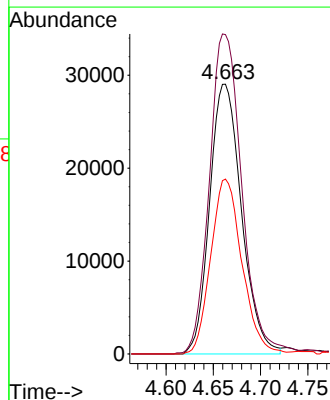
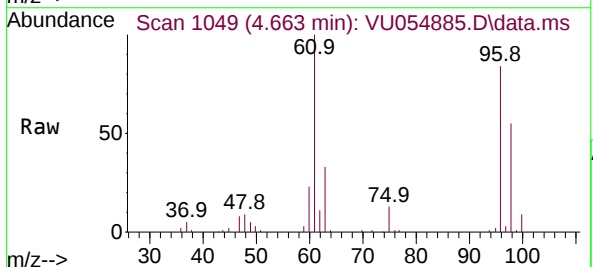
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

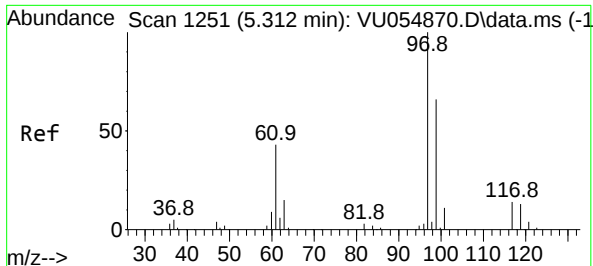
Tgt Ion: 96 Resp: 82457
Ion Ratio Lower Upper
96 100
61 120.7 96.4 144.6
98 61.8 49.3 73.9



#22
cis-1,2-Dichloroethene
Concen: 10.099 ug/l
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion: 96 Resp: 68080
Ion Ratio Lower Upper
96 100
61 120.9 0.0 332.0
98 63.4 32.5 97.5

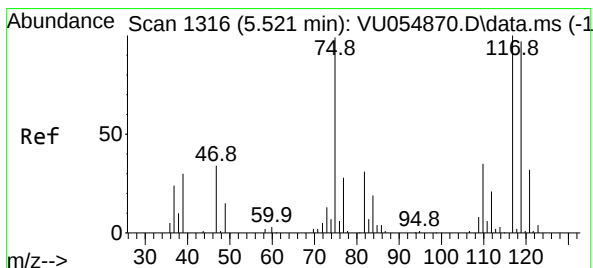
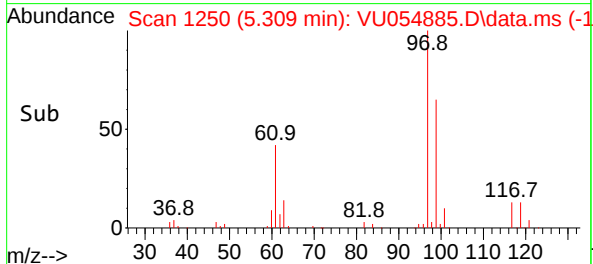
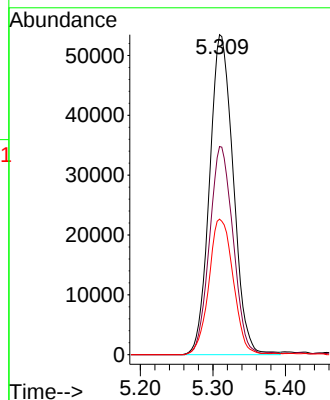
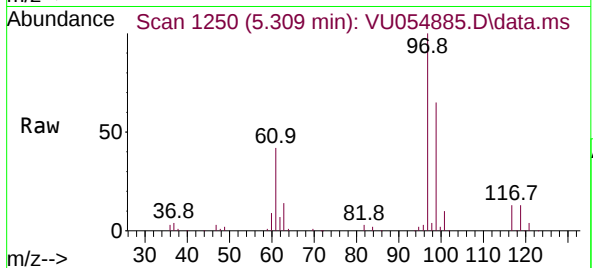




#28
1,1,1-Trichloroethane
Concen: 11.558 ug/l
RT: 5.309 min Scan# 1251
Delta R.T. -0.003 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

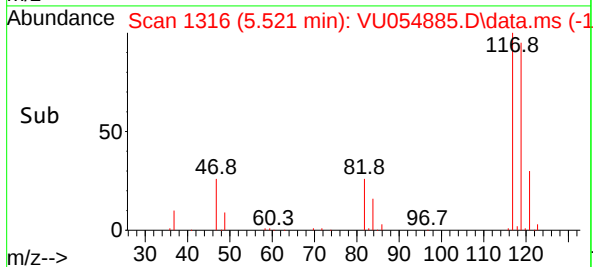
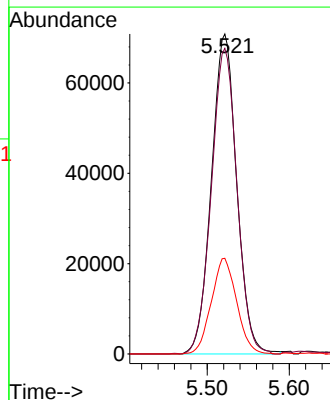
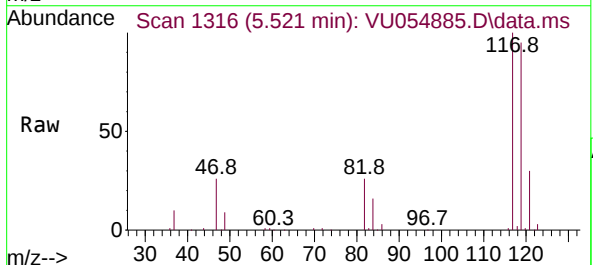
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

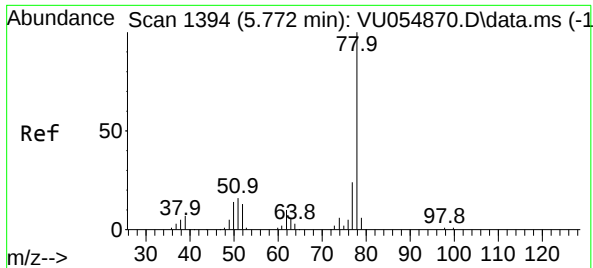
Tgt Ion: 97	Resp: 121622
Ion Ratio	Lower Upper
97 100	
99 64.6	32.0 96.2
61 43.5	21.0 63.0



#30
Carbon Tetrachloride
Concen: 17.309 ug/l
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion: 117	Resp: 152043
Ion Ratio	Lower Upper
117 100	
119 95.5	75.6 113.4
121 29.9	23.4 35.0

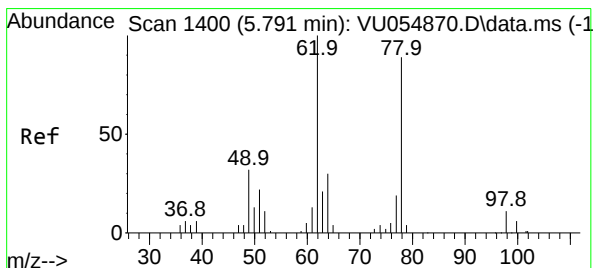
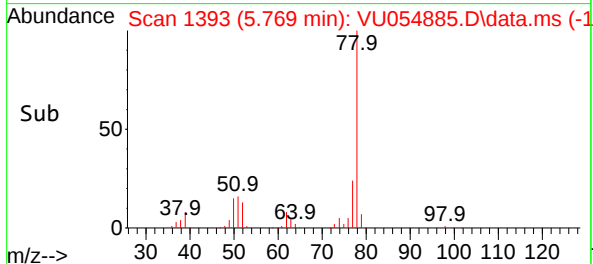
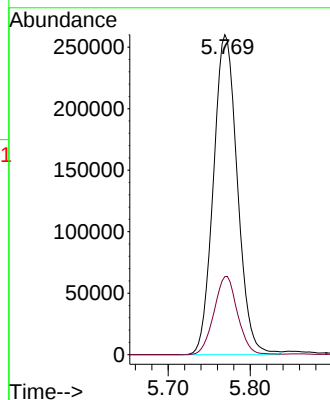
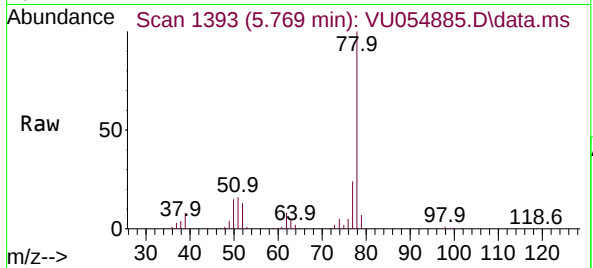




#35
Benzene
Concen: 21.794 ug/l
RT: 5.769 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

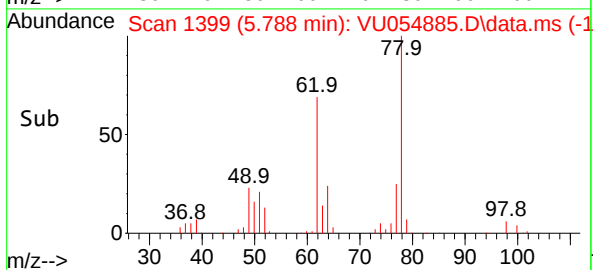
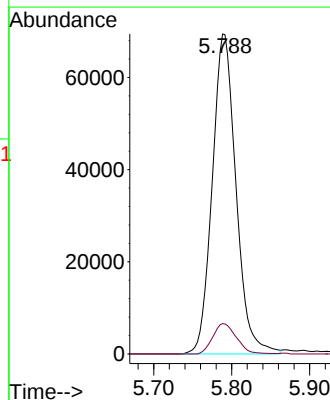
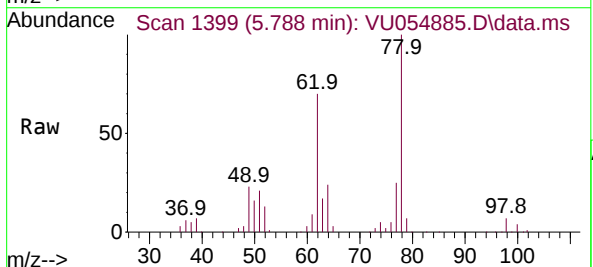
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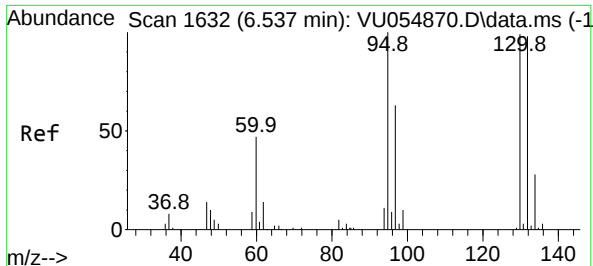
Tgt Ion: 78 Resp: 529764
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.2



#36
1,2-Dichloroethane
Concen: 21.280 ug/l
RT: 5.788 min Scan# 1399
Delta R.T. -0.003 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion: 62 Resp: 147155
Ion Ratio Lower Upper
62 100
98 9.5 7.8 11.8





#37

Trichloroethene

Concen: 18.981 ug/l

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054885.D

Acq: 26 Jul 2023 18:57

Instrument :

MSVOA_U

ClientSampleId :

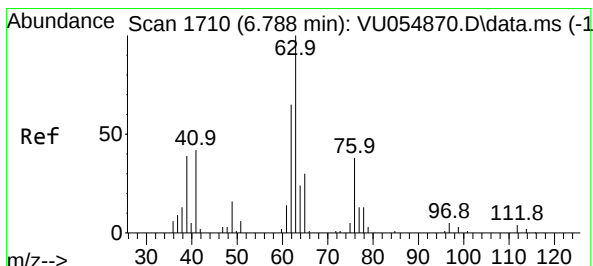
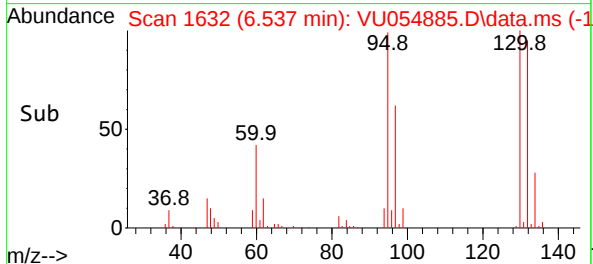
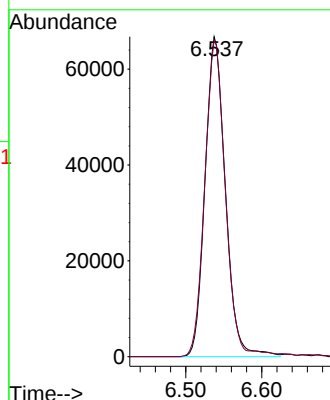
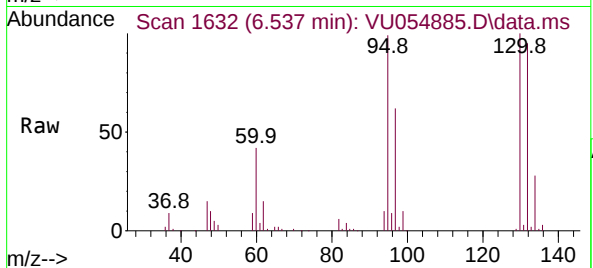
PT-RVOA-WS

Tgt Ion:130 Resp: 124089

Ion Ratio Lower Upper

130 100

95 98.9 76.8 115.2



#38

1,2-Dichloropropane

Concen: 7.225 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. 0.000 min

Lab File: VU054885.D

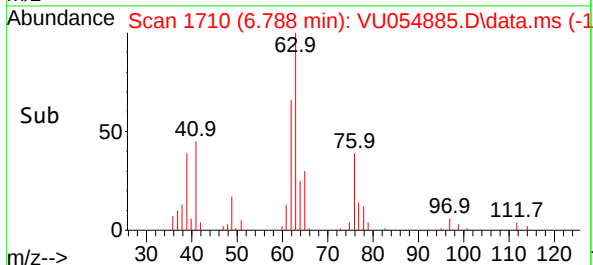
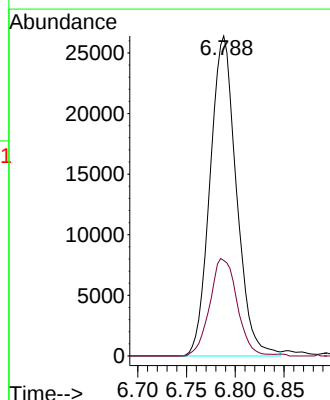
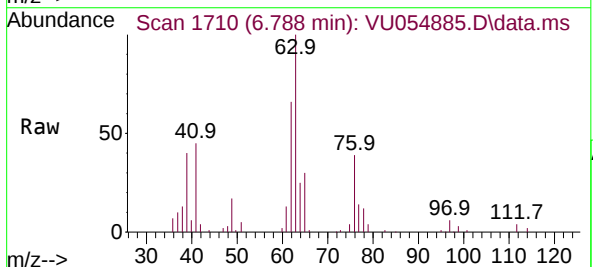
Acq: 26 Jul 2023 18:57

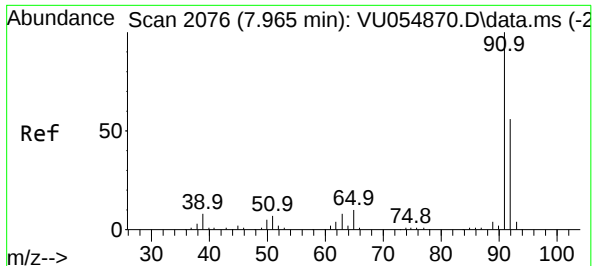
Tgt Ion: 63 Resp: 49648

Ion Ratio Lower Upper

63 100

65 29.9 24.3 36.5

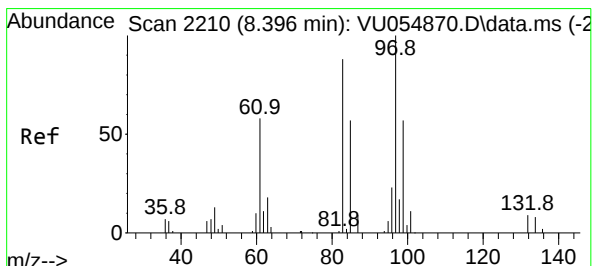
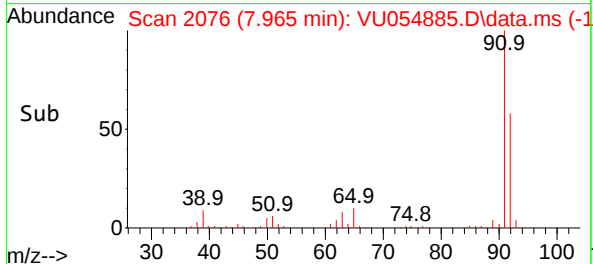
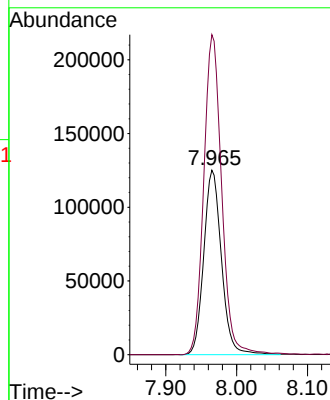
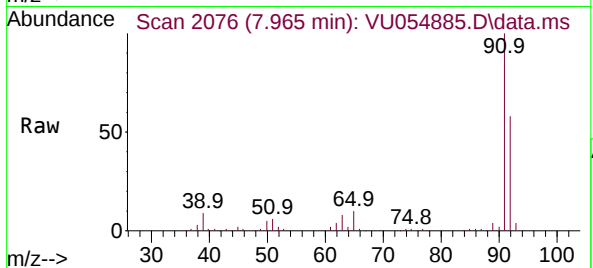




#49
Toluene
Concen: 14.007 ug/l
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

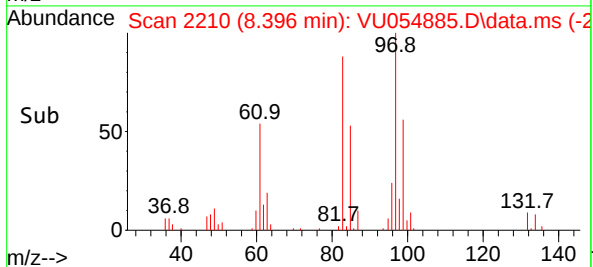
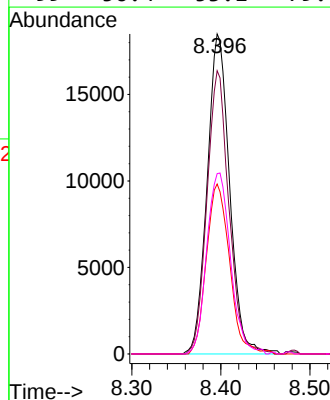
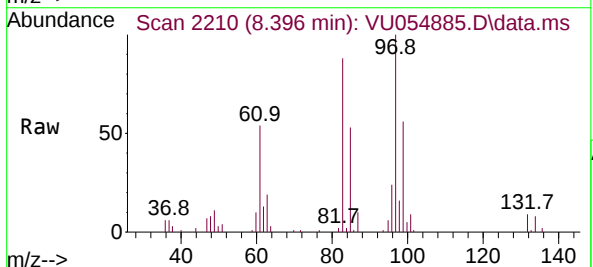
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

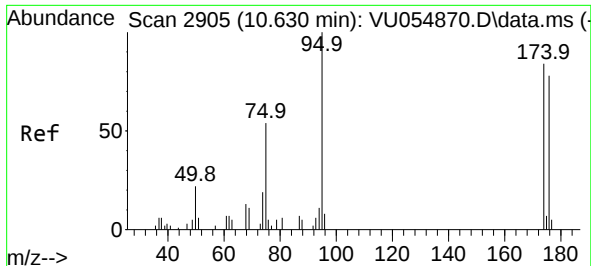
Tgt Ion: 92 Resp: 216897
Ion Ratio Lower Upper
92 100
91 175.0 142.9 214.3



#52
1,1,2-Trichloroethane
Concen: 6.329 ug/l
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion: 97 Resp: 32383
Ion Ratio Lower Upper
97 100
83 88.5 77.4 116.2
85 53.1 47.8 71.8
99 56.4 53.1 79.7

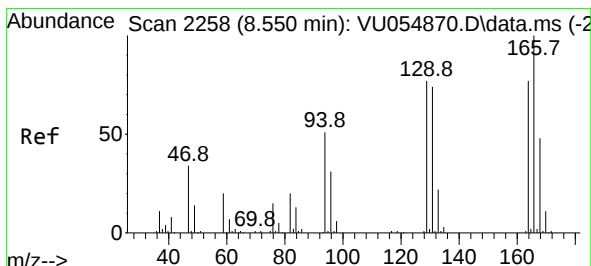
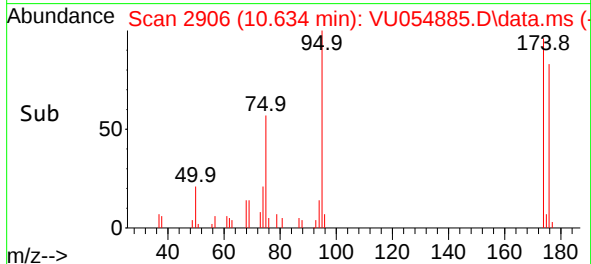
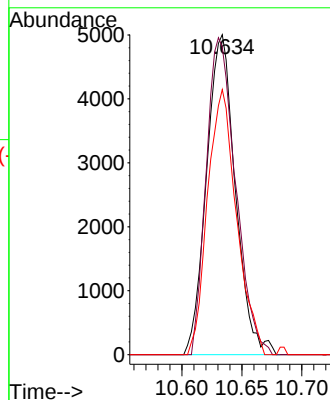
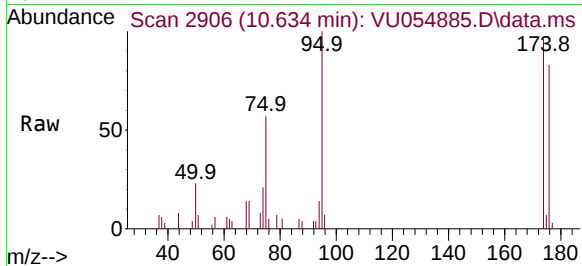




#57
4-Bromofluorobenzene
Concen: 1.023 ug/l
RT: 10.634 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

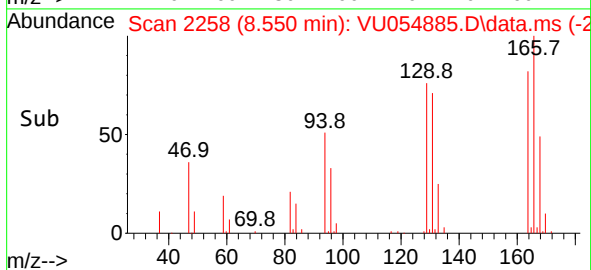
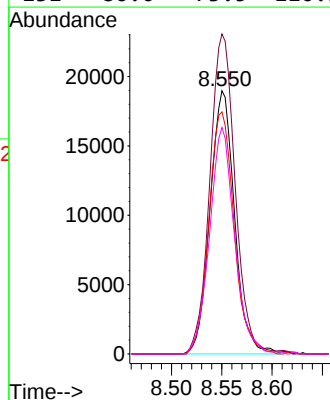
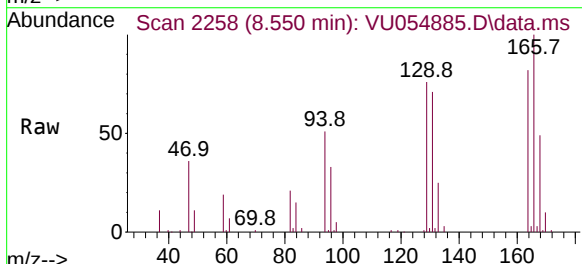
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

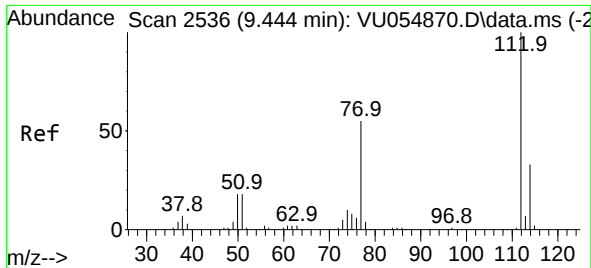
Tgt Ion: 95 Resp: 8369
Ion Ratio Lower Upper
95 100
174 100.9 79.3 118.9
176 83.0 71.5 107.3



#58
Tetrachloroethene
Concen: 5.634 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion: 164 Resp: 32154
Ion Ratio Lower Upper
164 100
166 121.6 100.4 150.6
129 92.0 71.9 107.9
131 86.0 73.5 110.3

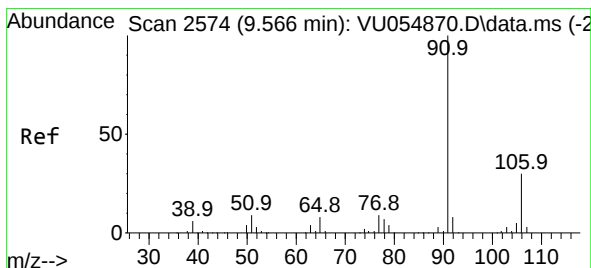
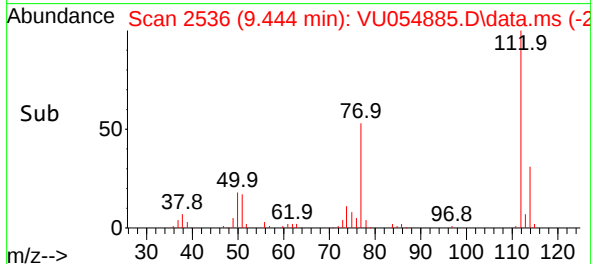
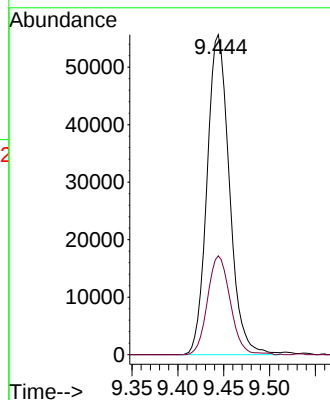
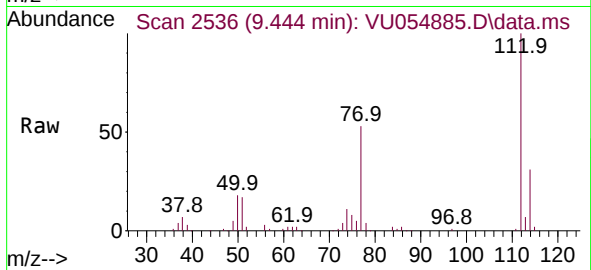




#59
Chlorobenzene
Concen: 5.024 ug/l
RT: 9.444 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

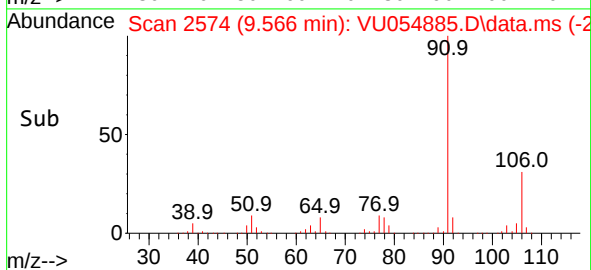
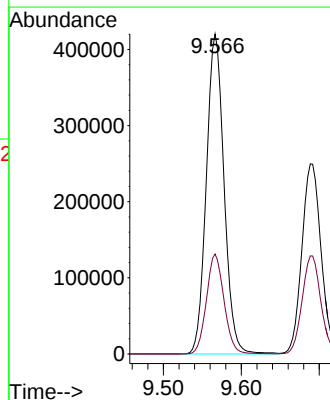
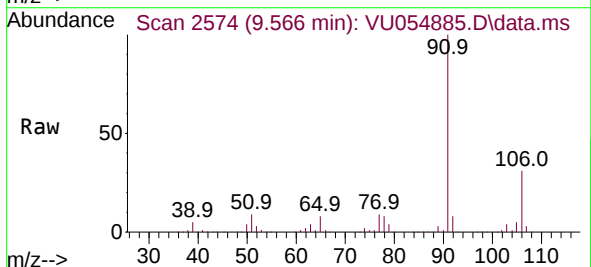
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

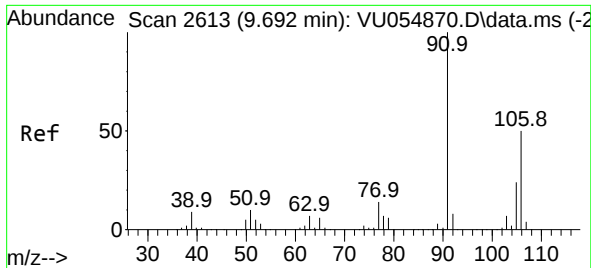
Tgt Ion:112 Resp: 94408
Ion Ratio Lower Upper
112 100
114 30.9 25.0 37.6



#63
Ethyl Benzene
Concen: 21.056 ug/l
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion: 91 Resp: 663969
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.2

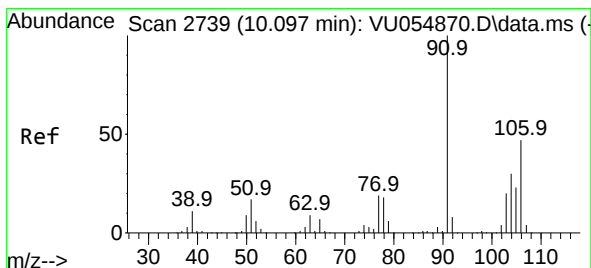
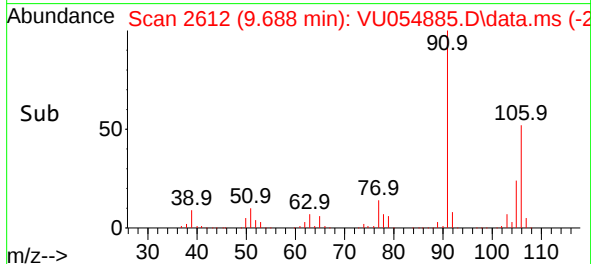
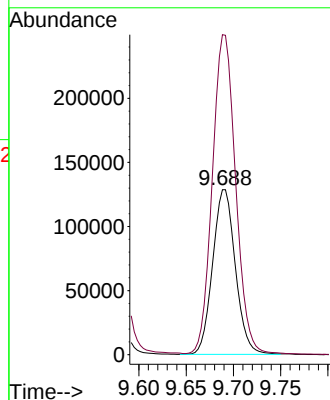
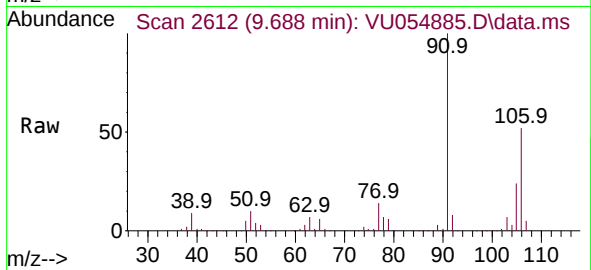




#64
m/p-Xylenes
Concen: 18.212 ug/l
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

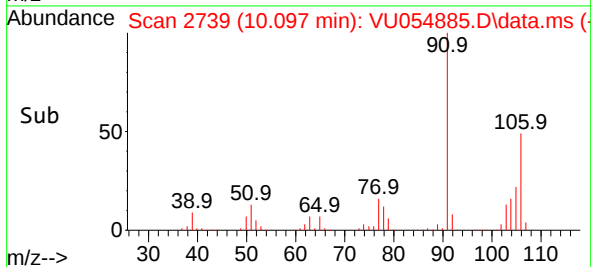
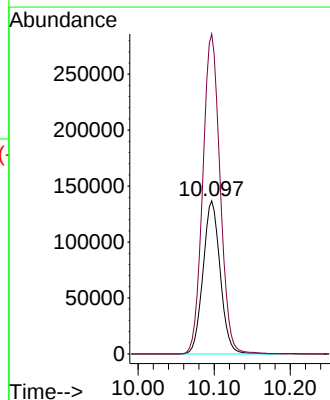
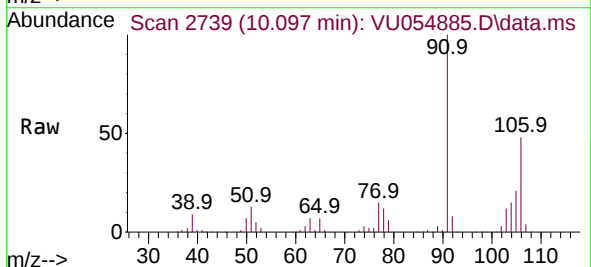
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

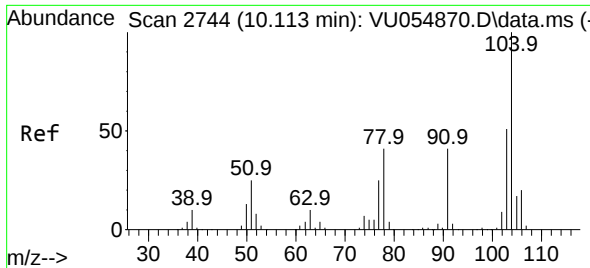
Tgt Ion:106 Resp: 214858
Ion Ratio Lower Upper
106 100
91 200.3 158.8 238.2



#65
o-Xylene
Concen: 17.689 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion:106 Resp: 214340
Ion Ratio Lower Upper
106 100
91 211.7 108.9 326.8

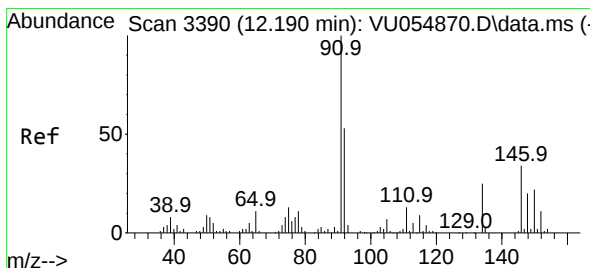
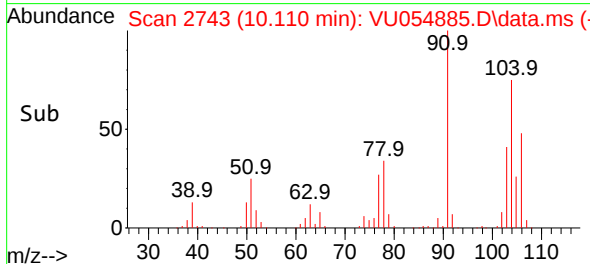
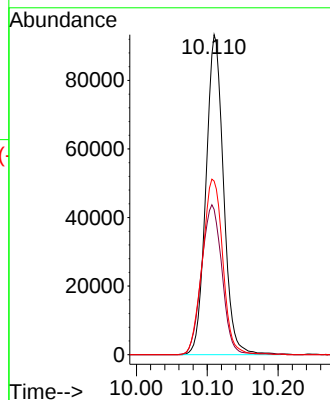
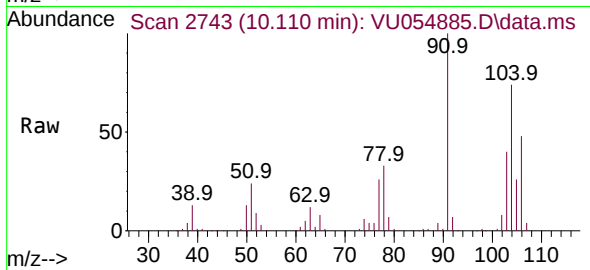




#66
Styrene
Concen: 8.305 ug/l
RT: 10.110 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

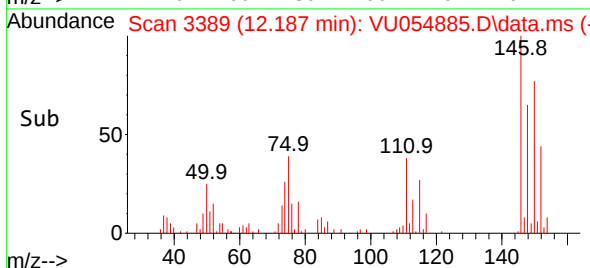
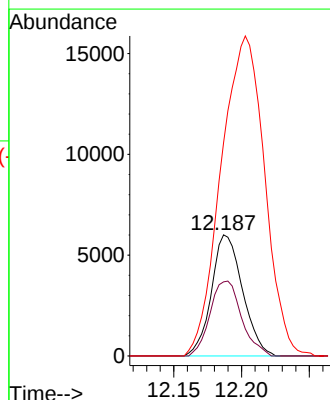
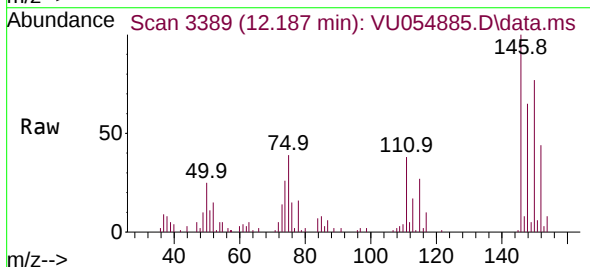
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

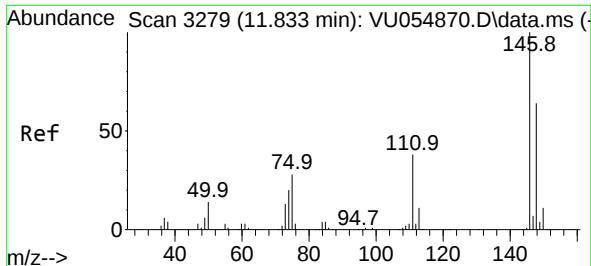
Tgt Ion:104 Resp: 160899
Ion Ratio Lower Upper
104 100
78 54.4 37.5 56.3
103 63.4 45.2 67.8



#68
1,2-Dichlorobenzene-d4
Concen: 1.038 ug/l
RT: 12.187 min Scan# 3389
Delta R.T. -0.003 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion:152 Resp: 9600
Ion Ratio Lower Upper
152 100
115 62.5 0.0 234.8
150 369.4 0.0 598.2

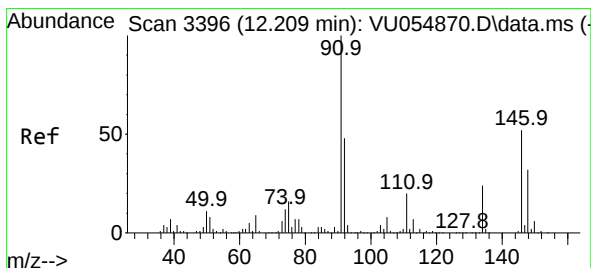
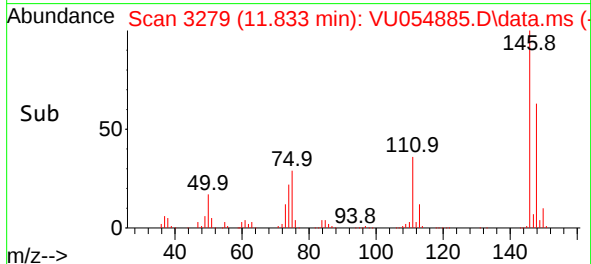
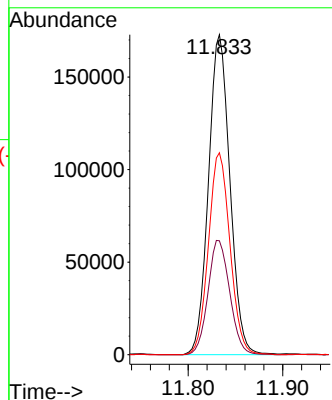
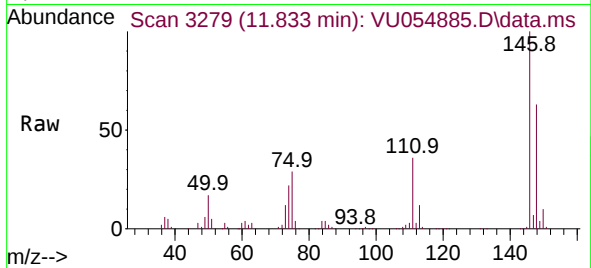




#83
1,4-Dichlorobenzene
Concen: 17.726 ug/l
RT: 11.833 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

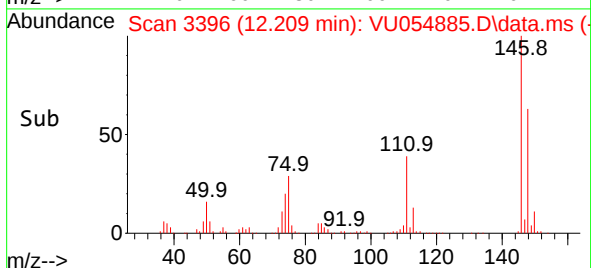
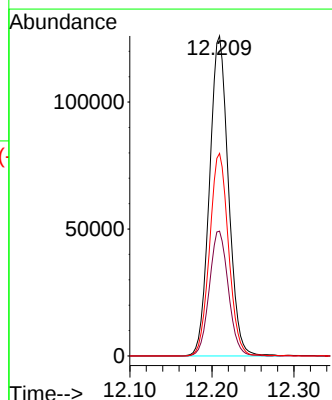
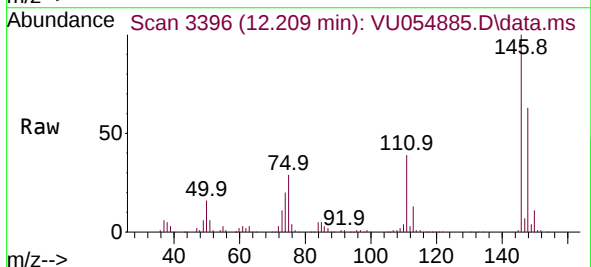
Instrument :
MSVOA_U
ClientSampleId :
PT-RVOA-WS

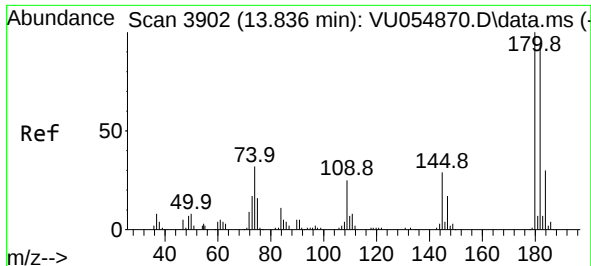
Tgt Ion:146 Resp: 272467
Ion Ratio Lower Upper
146 100
111 36.2 29.5 44.3
148 63.5 51.2 76.8



#85
1,2-Dichlorobenzene
Concen: 13.661 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU054885.D
Acq: 26 Jul 2023 18:57

Tgt Ion:146 Resp: 201923
Ion Ratio Lower Upper
146 100
111 39.2 19.8 59.4
148 63.5 31.8 95.3





#87

1,2,4-Trichlorobenzene

Concen: 12.686 ug/l

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU054885.D

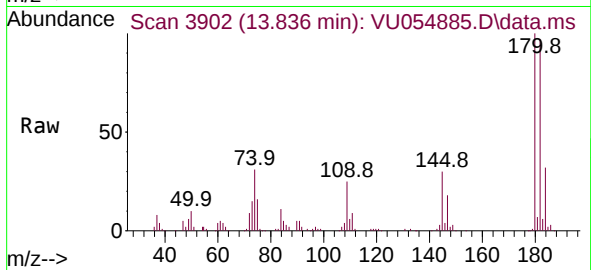
Acq: 26 Jul 2023 18:57

Instrument :

MSVOA_U

ClientSampleId :

PT-RVOA-WS



Tgt Ion:180 Resp: 119598

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.6

145 29.3 23.4 35.0

