

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
 Data File : VU050397.D
 Acq On : 22 Aug 2022 13:23
 Operator : SY/MD
 Sample : N3734-11DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS-REGULATED-VOCSDL

Quant Time: Aug 23 08:26:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 23 08:18:20 2022
 Response via : Initial Calibration

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

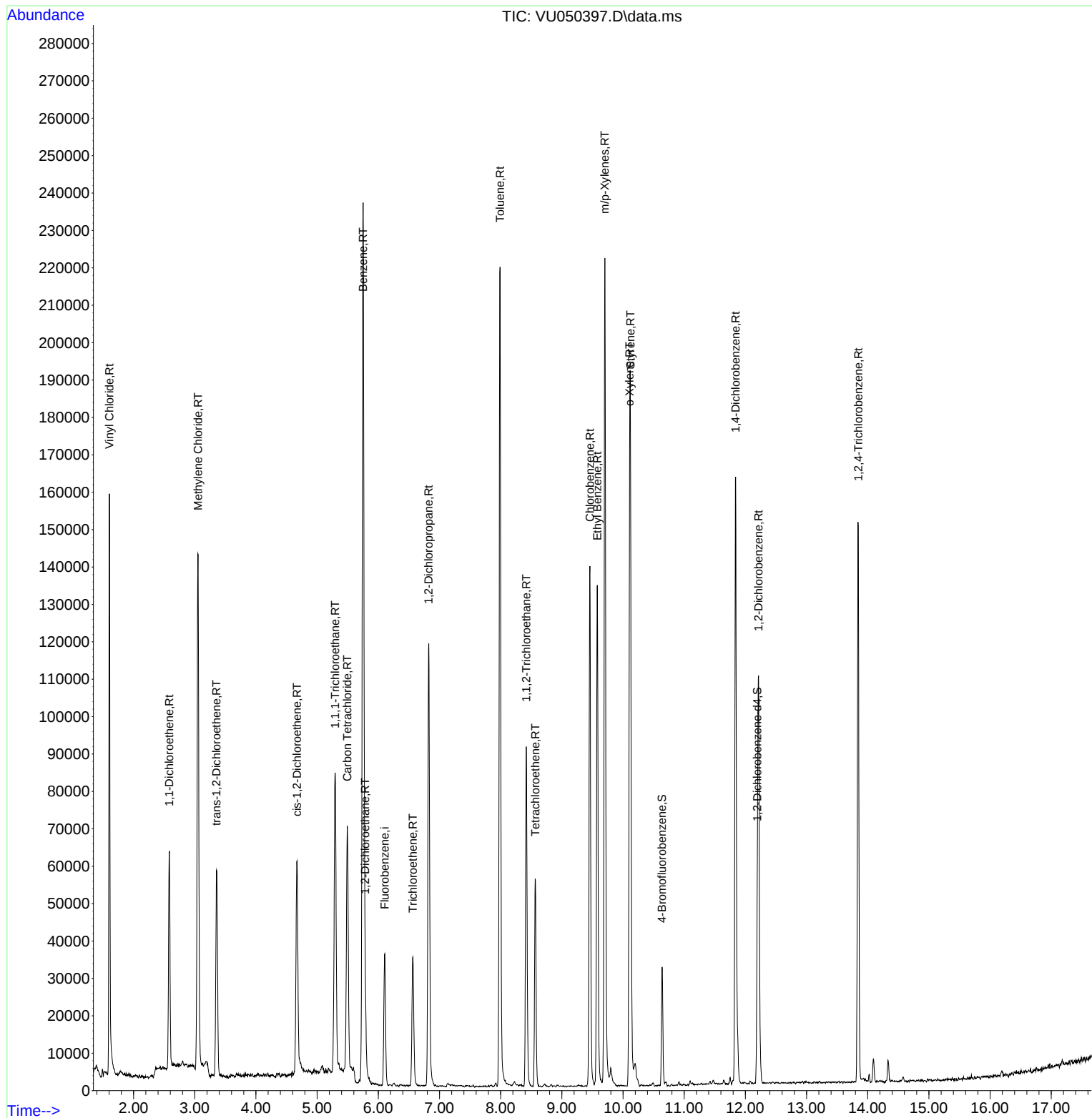
Internal Standards						
1) Fluorobenzene	6.105	96	33957	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	11060	0.957	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	12333	0.902	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.604	62	114920	7.861	ug/l	100
9) 1,1-Dichloroethene	2.584	96	19856	1.985	ug/l	98
15) Methylene Chloride	3.054	84	64473	4.765	ug/l	96
16) trans-1,2-Dichloroethene	3.356	96	22583	2.185	ug/l	97
22) cis-1,2-Dichloroethene	4.671	96	28892	2.471	ug/l	93
28) 1,1,1-Trichloroethane	5.295	97	57229	3.215	ug/l	98
30) Carbon Tetrachloride	5.494	117	43514	3.054	ug/l	100
35) Benzene	5.752	78	230868	5.508	ug/l	96
36) 1,2-Dichloroethane	5.784	62	21577	1.686	ug/l	99
37) Trichloroethene	6.565	130	13412	1.335	ug/l	98
38) 1,2-Dichloropropane	6.822	63	48478	4.309	ug/l	96
49) Toluene	7.989	92	94542	4.198	ug/l	98
52) 1,1,2-Trichloroethane	8.417	97	29365	3.294	ug/l	98
58) Tetrachloroethene	8.568	164	11932	1.262	ug/l	93
59) Chlorobenzene	9.459	112	79671	3.278	ug/l	96
63) Ethyl Benzene	9.581	91	92284	2.340	ug/l	100
64) m/p-Xylenes	9.703	106	65411	4.254	ug/l	93
65) o-Xylene	10.108	106	33123	2.241	ug/l	97
66) Styrene	10.121	104	66290	2.524	ug/l	96
83) 1,4-Dichlorobenzene	11.841	146	73618	3.428	ug/l	98
85) 1,2-Dichlorobenzene	12.214	146	41969	1.976	ug/l	99
87) 1,2,4-Trichlorobenzene	13.844	180	47416	3.913	ug/l	99

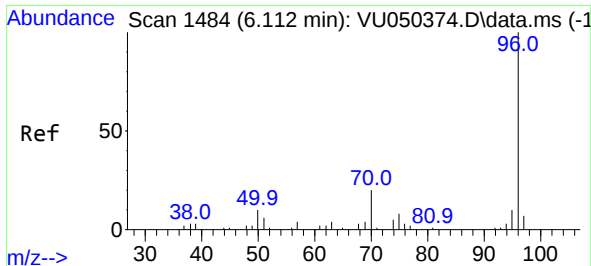
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082222\
Data File : VU050397.D
Acq On : 22 Aug 2022 13:23
Operator : SY/MD
Sample : N3734-11DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCSDL

Quant Time: Aug 23 08:26:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 23 08:18:20 2022
Response via : Initial Calibration

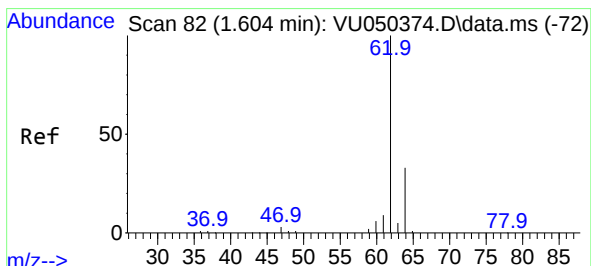
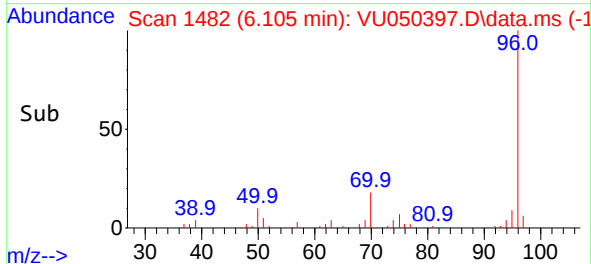
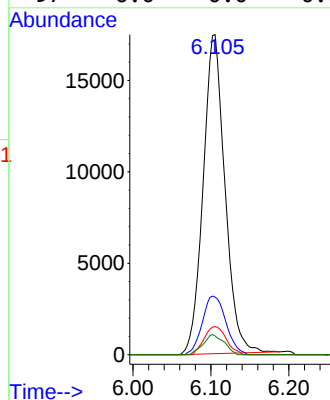
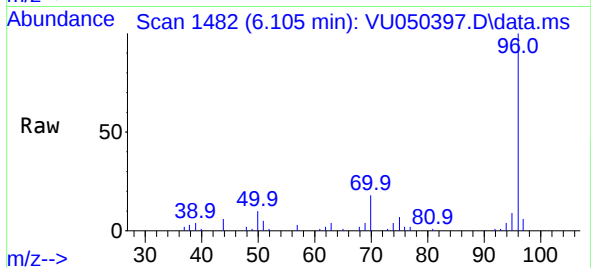




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.105 min Scan# 14
Delta R.T. -0.010 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

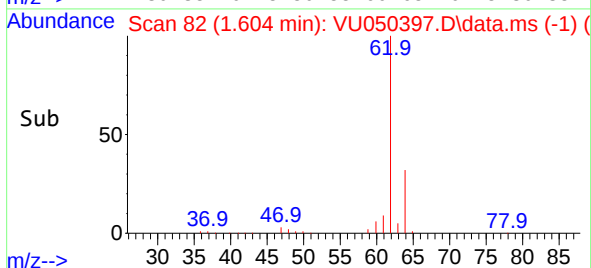
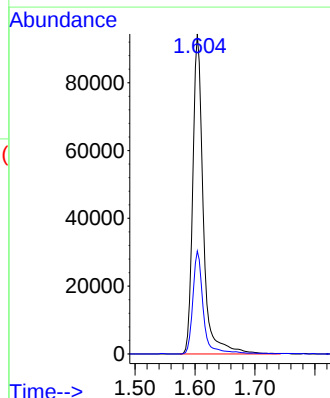
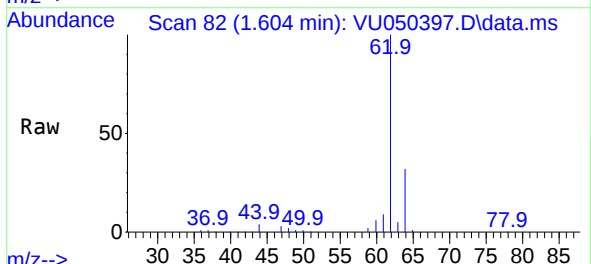
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCSDL

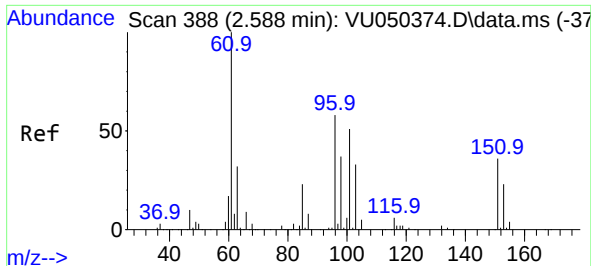
Tgt Ion:	96	Resp:	33957
Ion	Ratio	Lower	Upper
96	100		
70	19.8	16.7	25.1
95	8.9	7.4	11.0
97	6.0	0.0	0.0



#4
Vinyl Chloride
Concen: 7.861 ug/l
RT: 1.604 min Scan# 82
Delta R.T. 0.000 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

Tgt Ion:	62	Resp:	114920
Ion	Ratio	Lower	Upper
62	100		
64	32.1	25.5	38.3

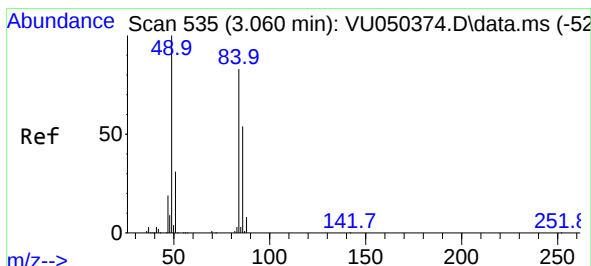
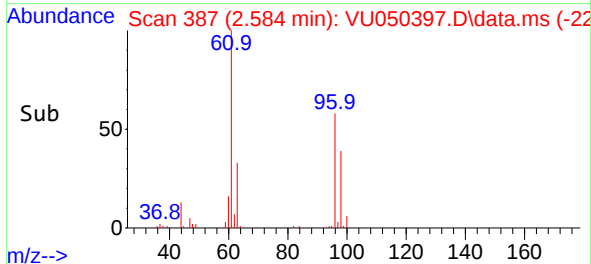
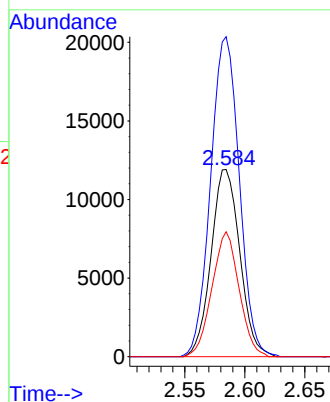
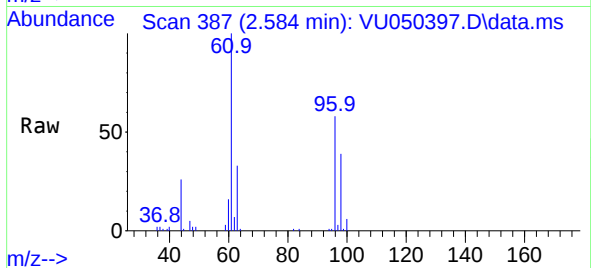




#9
1,1-Dichloroethene
Concen: 1.985 ug/l
RT: 2.584 min Scan# 31
Delta R.T. 0.007 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

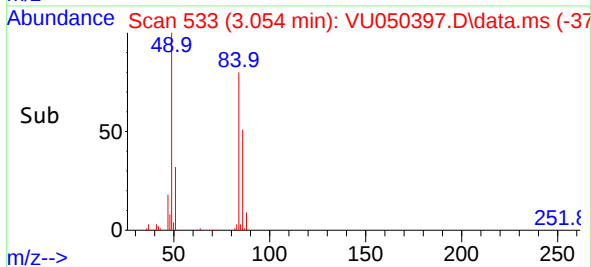
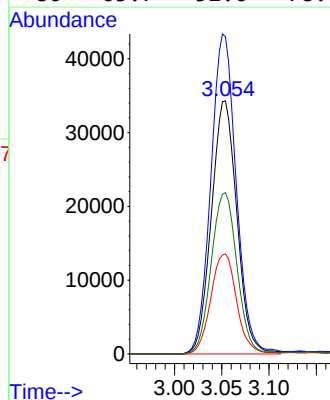
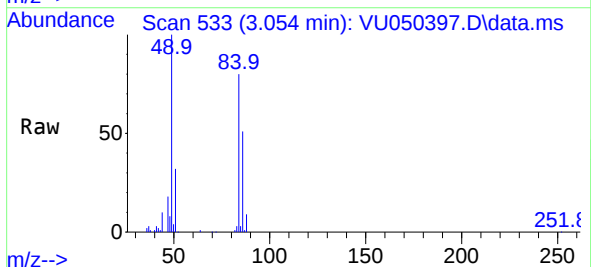
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCSDL

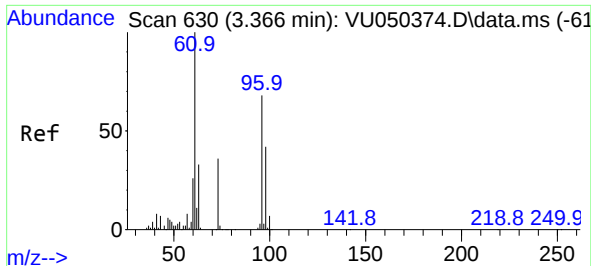
Tgt Ion: 96 Resp: 19856
Ion Ratio Lower Upper
96 100
61 171.0 0.0 510.6
98 66.8 0.0 124.6



#15
Methylene Chloride
Concen: 4.765 ug/l
RT: 3.054 min Scan# 533
Delta R.T. 0.010 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

Tgt Ion: 84 Resp: 64473
Ion Ratio Lower Upper
84 100
49 125.4 104.6 157.0
51 39.5 0.0 81.4
86 63.7 52.6 78.8

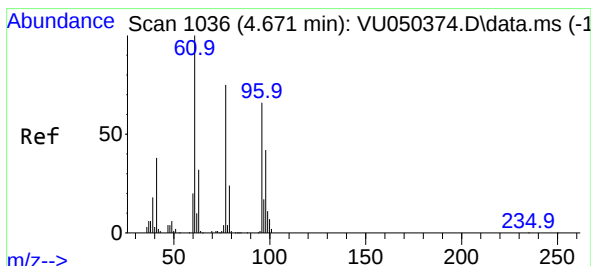
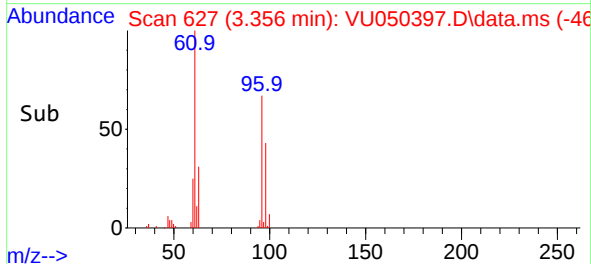
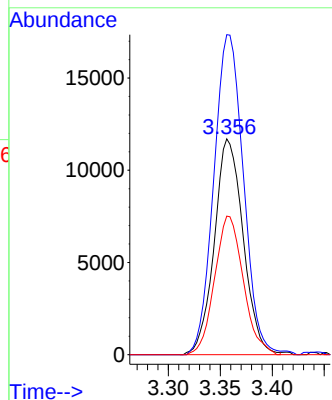
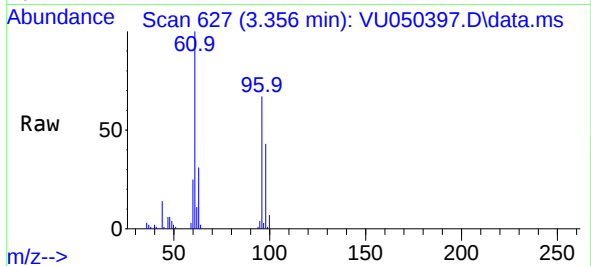




#16
trans-1,2-Dichloroethene
Concen: 2.185 ug/l
RT: 3.356 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

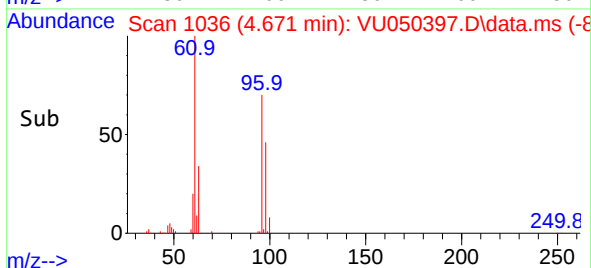
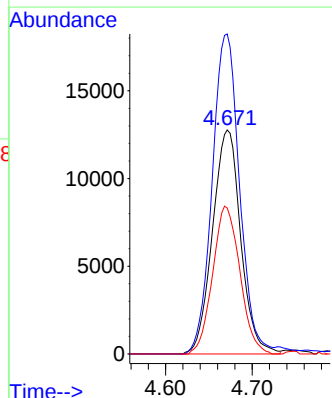
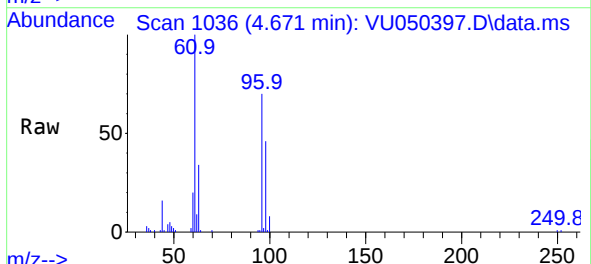
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCSDL

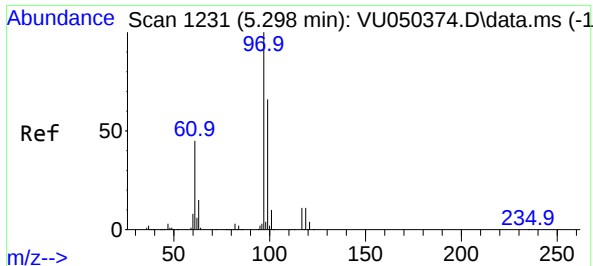
Tgt Ion: 96 Resp: 22583
Ion Ratio Lower Upper
96 100
61 148.3 123.4 185.0
98 64.2 51.6 77.4



#22
cis-1,2-Dichloroethene
Concen: 2.471 ug/l
RT: 4.671 min Scan# 1036
Delta R.T. 0.007 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

Tgt Ion: 96 Resp: 28892
Ion Ratio Lower Upper
96 100
61 138.2 0.0 375.8
98 63.7 31.6 95.0

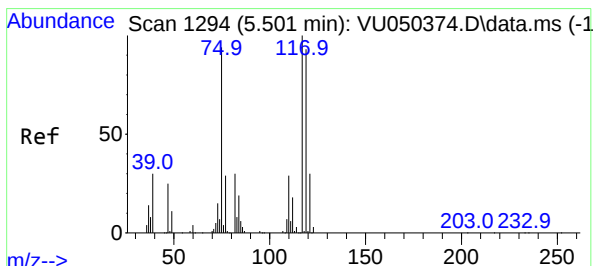
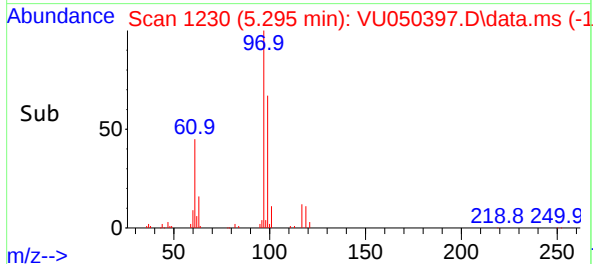
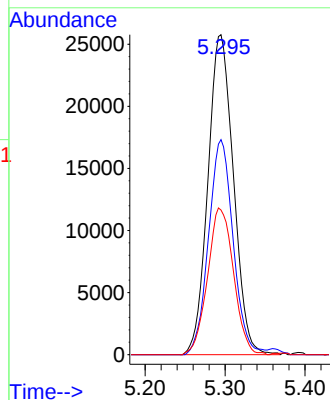
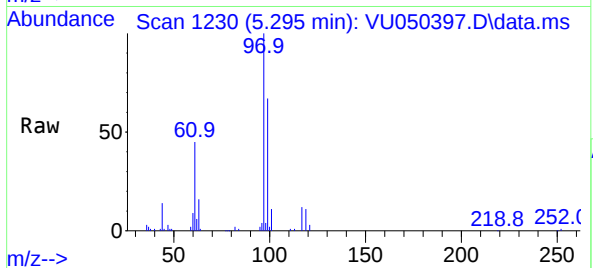




#28
1,1,1-Trichloroethane
Concen: 3.215 ug/l
RT: 5.295 min Scan# 11
Delta R.T. -0.019 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

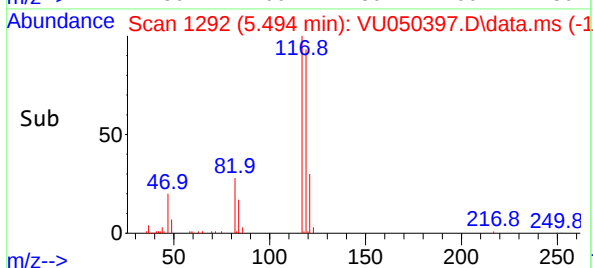
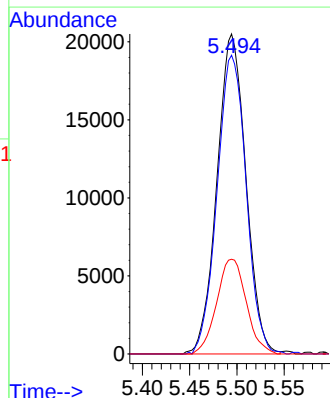
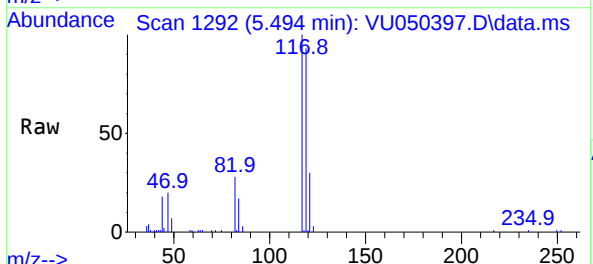
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCSDL

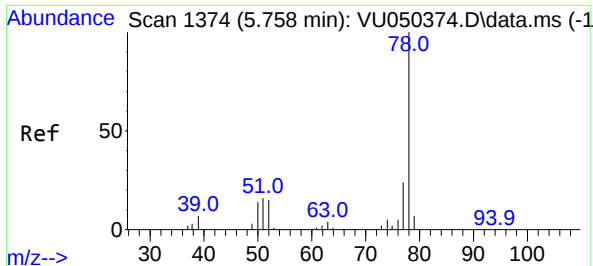
Tgt Ion: 97 Resp: 57229
Ion Ratio Lower Upper
97 100
99 64.7 32.1 96.5
61 46.5 21.8 65.4



#30
Carbon Tetrachloride
Concen: 3.054 ug/l
RT: 5.494 min Scan# 1292
Delta R.T. -0.026 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

Tgt Ion: 117 Resp: 43514
Ion Ratio Lower Upper
117 100
119 93.3 74.6 112.0
121 29.6 24.2 36.4

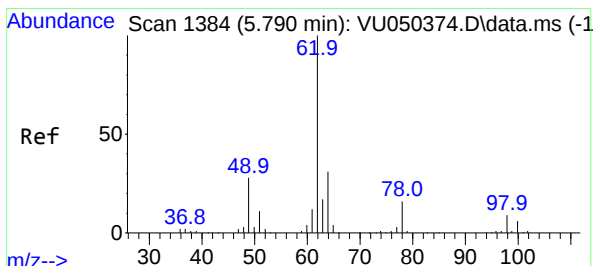
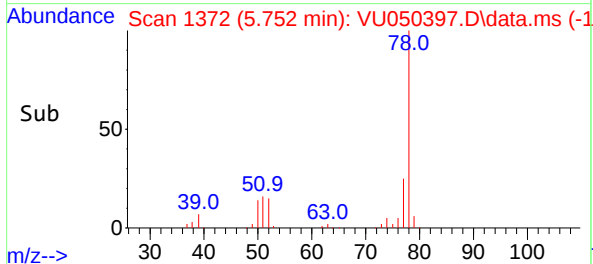
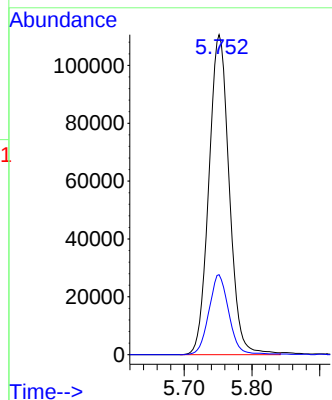
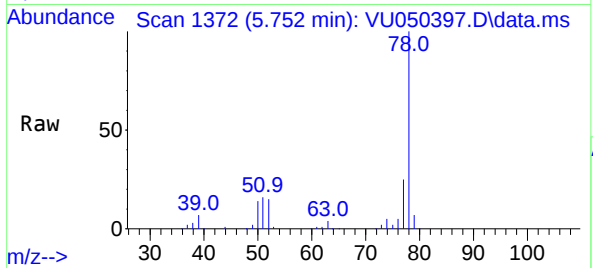




#35
Benzene
Concen: 5.508 ug/l
RT: 5.752 min Scan# 11
Delta R.T. -0.022 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

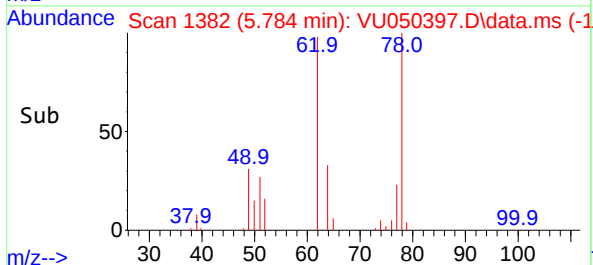
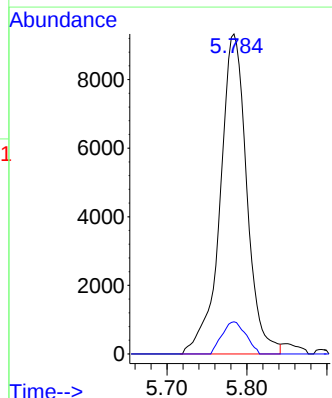
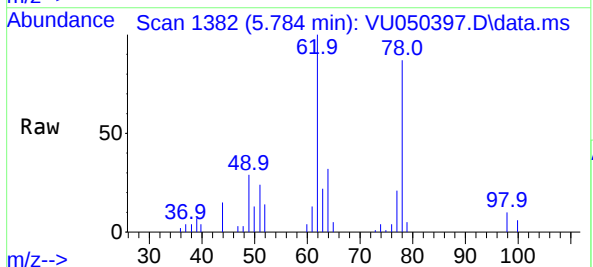
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCSDL

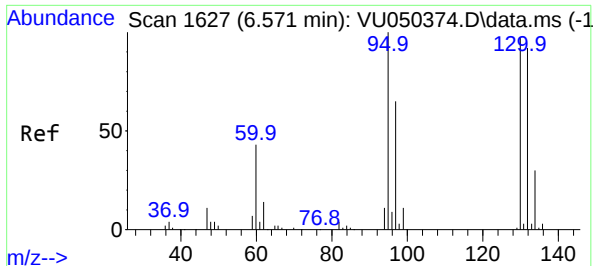
Tgt Ion: 78 Resp: 230868
Ion Ratio Lower Upper
78 100
77 25.0 18.6 28.0



#36
1,2-Dichloroethane
Concen: 1.686 ug/l
RT: 5.784 min Scan# 1382
Delta R.T. -0.013 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

Tgt Ion: 62 Resp: 21577
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0





#37

Trichloroethene

Concen: 1.335 ug/l

RT: 6.565 min Scan# 1

Delta R.T. 0.023 min

Lab File: VU050397.D

Acq: 22 Aug 2022 13:23

Instrument :

MSVOA_U

ClientSampleId :

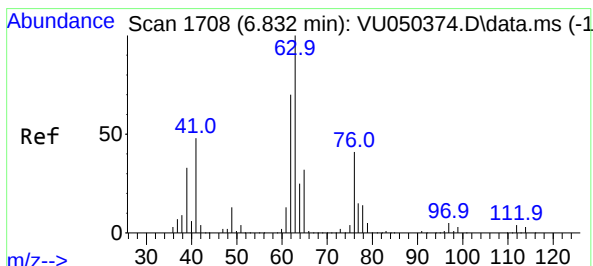
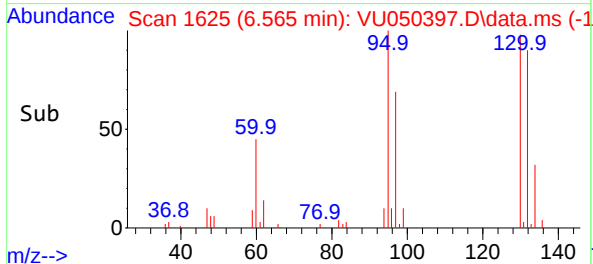
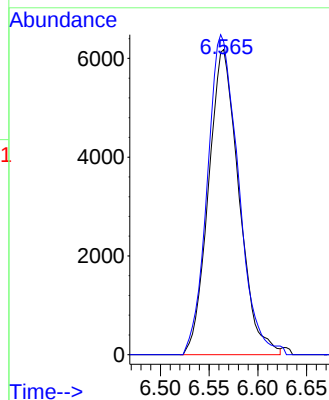
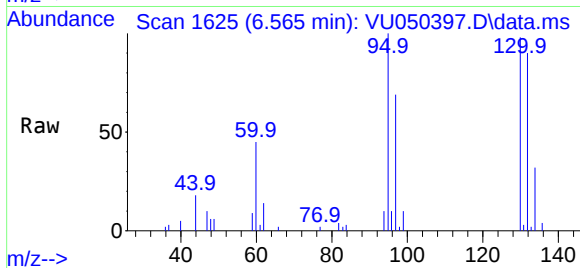
WS-REGULATED-VOCSDL

Tgt Ion:130 Resp: 13412

Ion Ratio Lower Upper

130 100

95 102.5 83.8 125.8



#38

1,2-Dichloropropane

Concen: 4.309 ug/l

RT: 6.822 min Scan# 1705

Delta R.T. 0.029 min

Lab File: VU050397.D

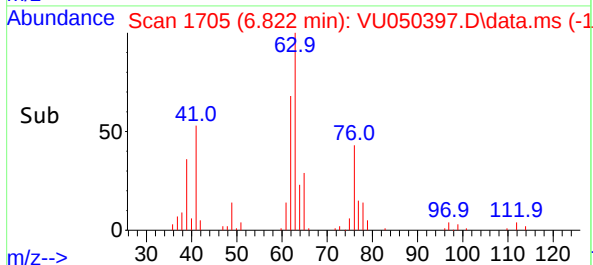
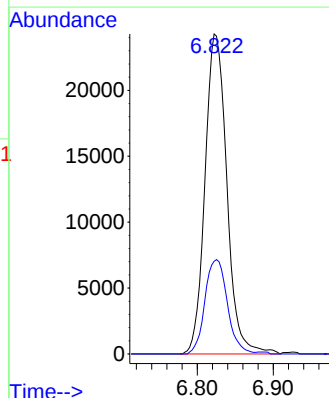
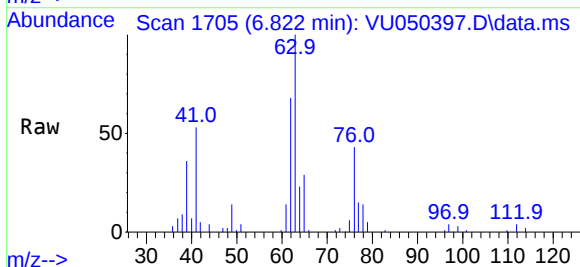
Acq: 22 Aug 2022 13:23

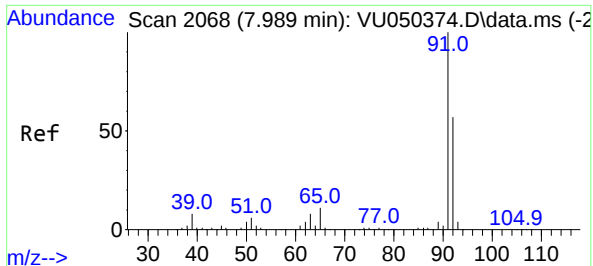
Tgt Ion: 63 Resp: 48478

Ion Ratio Lower Upper

63 100

65 29.0 25.0 37.4





#49

Toluene

Concen: 4.198 ug/l

RT: 7.989 min Scan# 2068

Delta R.T. 0.019 min

Lab File: VU050397.D

Acq: 22 Aug 2022 13:23

Instrument :

MSVOA_U

ClientSampleId :

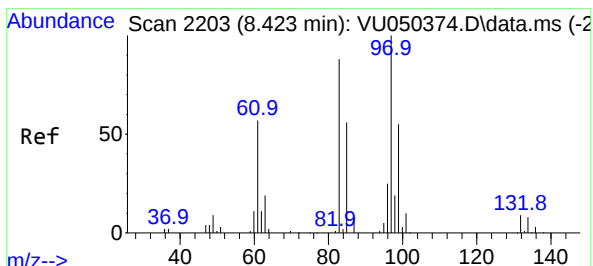
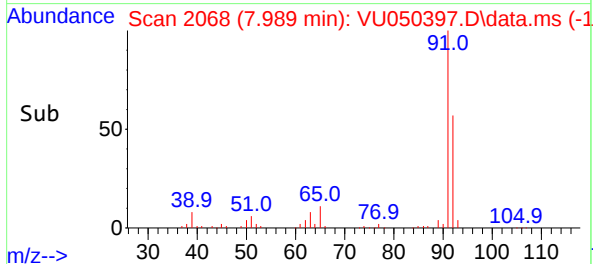
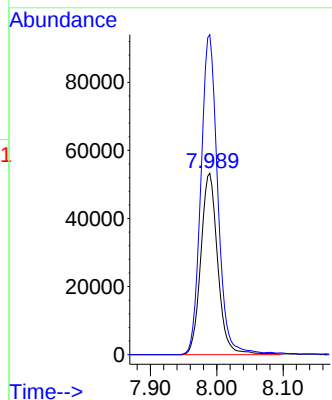
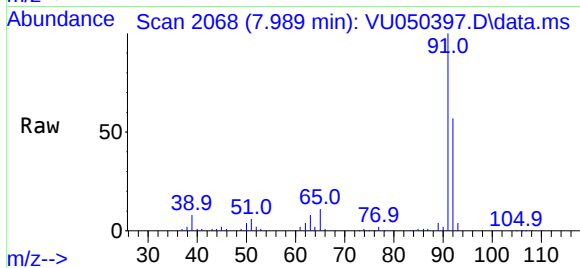
WS-REGULATED-VOCSDL

Tgt Ion: 92 Resp: 94542

Ion Ratio Lower Upper

92 100

91 175.4 138.6 207.8



#52

1,1,2-Trichloroethane

Concen: 3.294 ug/l

RT: 8.417 min Scan# 2201

Delta R.T. 0.016 min

Lab File: VU050397.D

Acq: 22 Aug 2022 13:23

Tgt Ion: 97 Resp: 29365

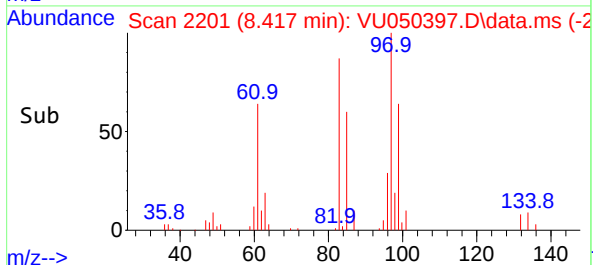
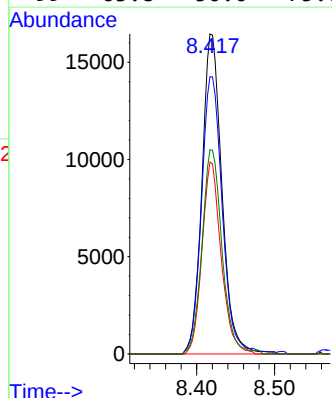
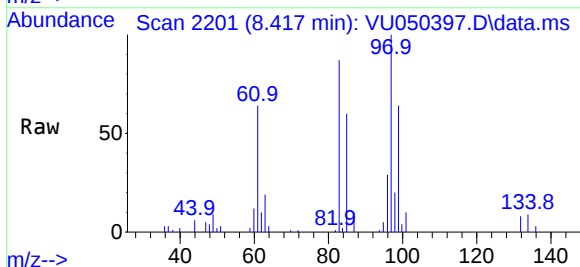
Ion Ratio Lower Upper

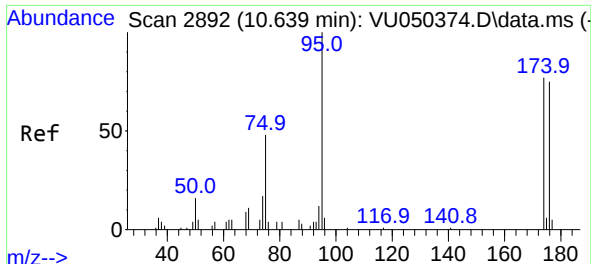
97 100

83 86.7 70.6 106.0

85 60.0 46.2 69.4

99 63.8 50.0 75.0

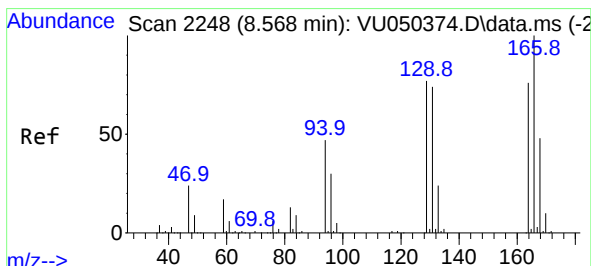
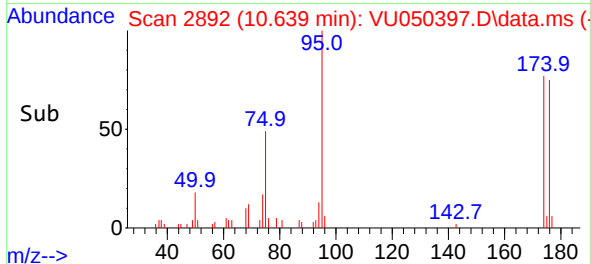
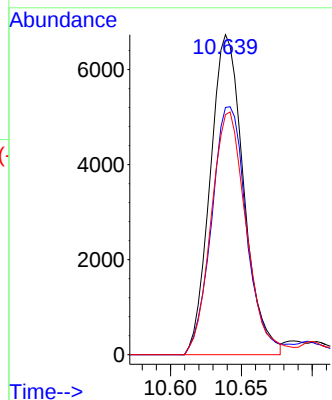
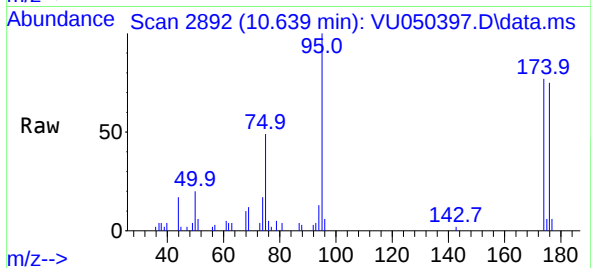




#57
4-Bromofluorobenzene
Concen: 0.957 ug/l
RT: 10.639 min Scan# 2892
Delta R.T. 0.007 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

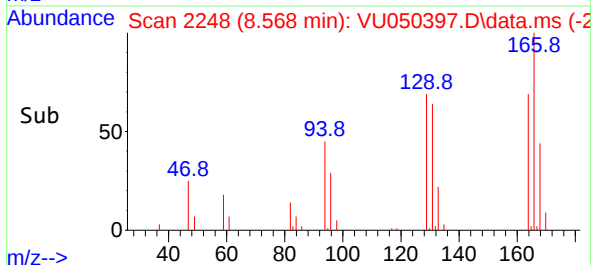
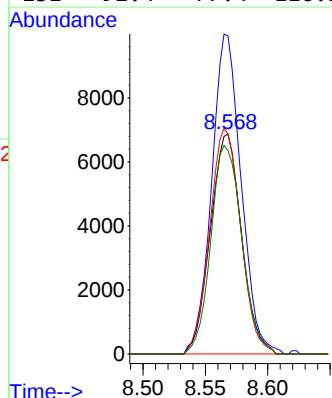
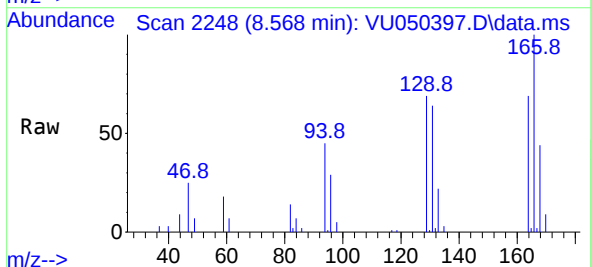
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCSDL

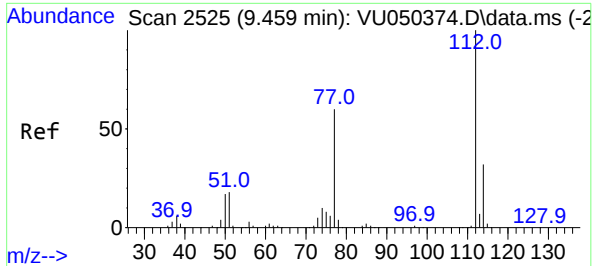
Tgt Ion: 95 Resp: 11060
Ion Ratio Lower Upper
95 100
174 80.8 62.4 93.6
176 79.6 56.2 84.2



#58
Tetrachloroethene
Concen: 1.262 ug/l
RT: 8.568 min Scan# 2248
Delta R.T. 0.016 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

Tgt Ion: 164 Resp: 11932
Ion Ratio Lower Upper
164 100
166 144.6 102.4 153.6
129 99.9 79.5 119.3
131 92.4 77.4 116.2

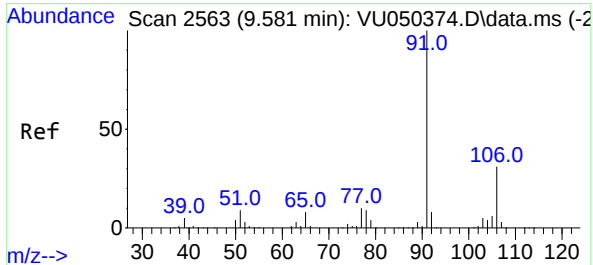
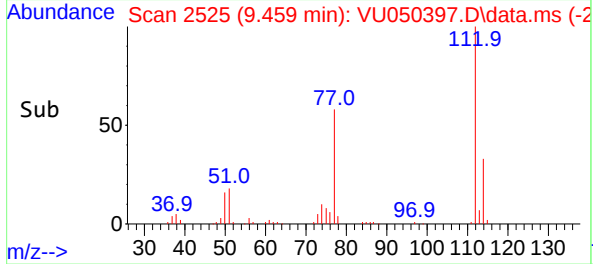
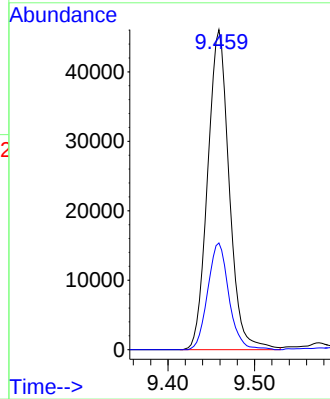
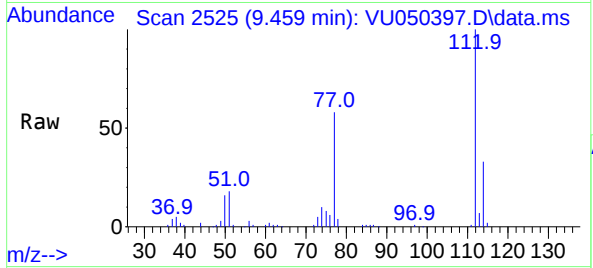




#59
Chlorobenzene
Concen: 3.278 ug/l
RT: 9.459 min Scan# 211
Delta R.T. 0.010 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

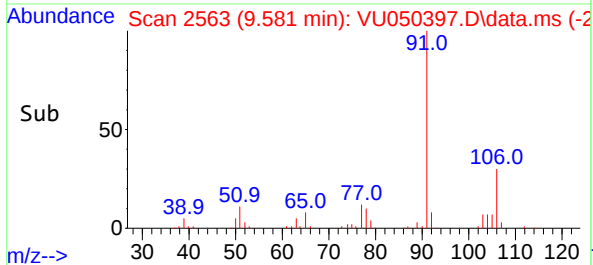
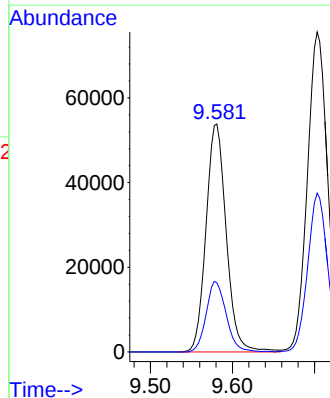
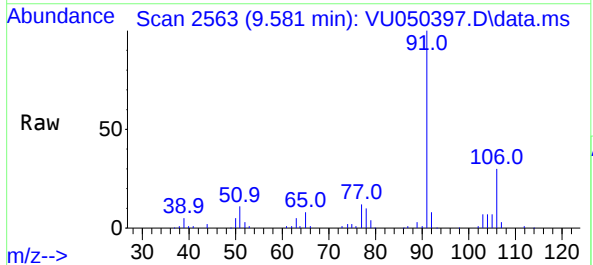
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCSDL

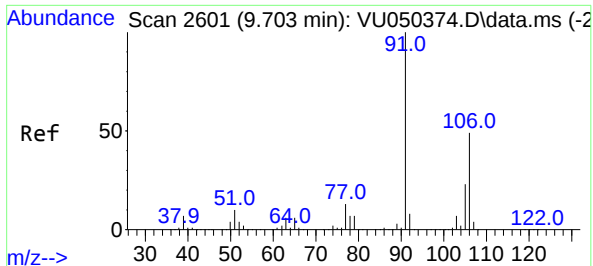
Tgt Ion:112 Resp: 79671
Ion Ratio Lower Upper
112 100
114 33.3 24.9 37.3



#63
Ethyl Benzene
Concen: 2.340 ug/l
RT: 9.581 min Scan# 2563
Delta R.T. 0.010 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

Tgt Ion: 91 Resp: 92284
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6

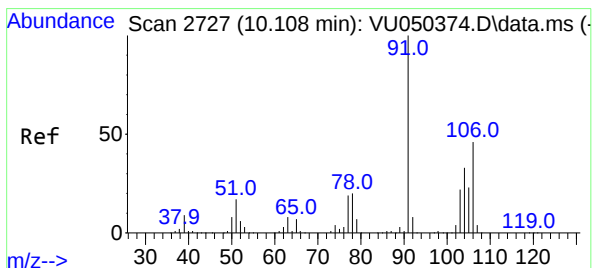
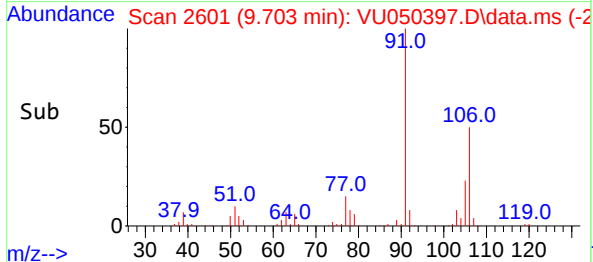
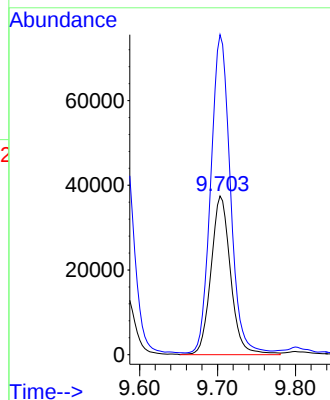
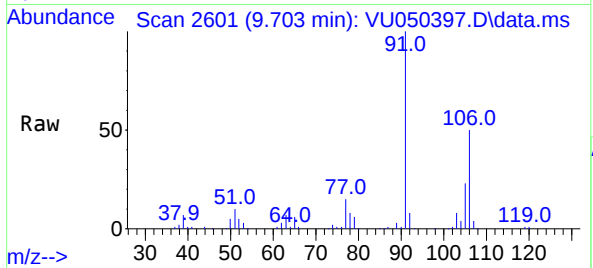




#64
m/p-Xylenes
Concen: 4.254 ug/l
RT: 9.703 min Scan# 2601
Delta R.T. 0.010 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

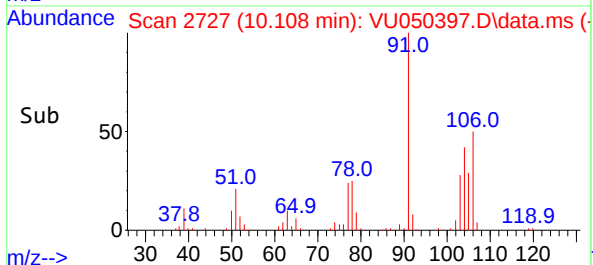
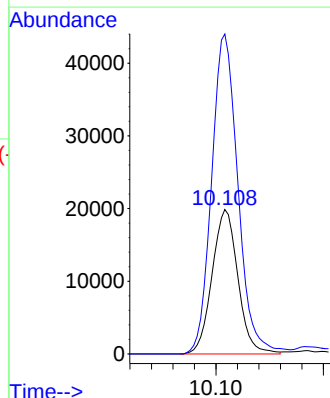
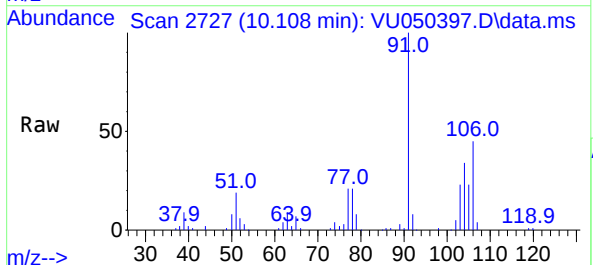
Instrument : MSVOA_U
ClientSampleId : WS-REGULATED-VOCSDL

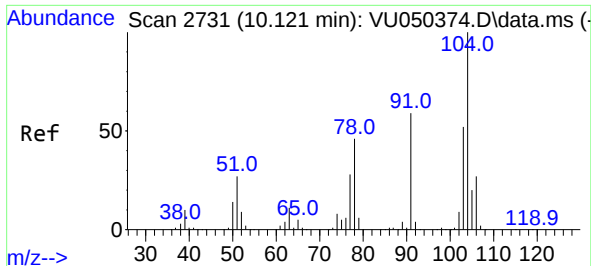
Tgt Ion:106 Resp: 65411
Ion Ratio Lower Upper
106 100
91 199.0 167.8 251.6



#65
o-Xylene
Concen: 2.241 ug/l
RT: 10.108 min Scan# 2727
Delta R.T. 0.007 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

Tgt Ion:106 Resp: 33123
Ion Ratio Lower Upper
106 100
91 226.3 111.1 333.2

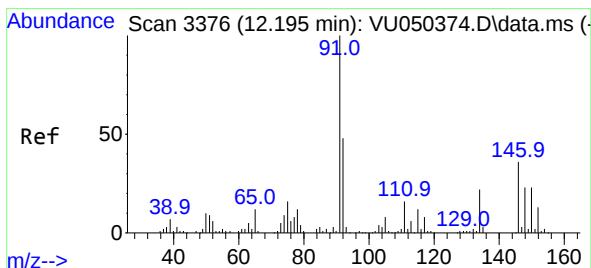
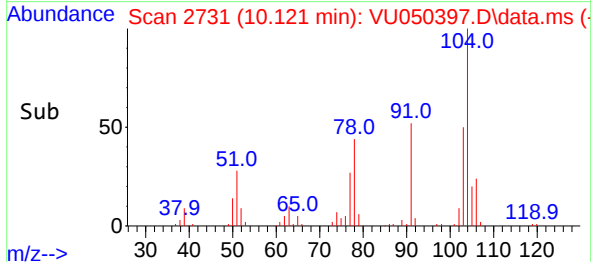
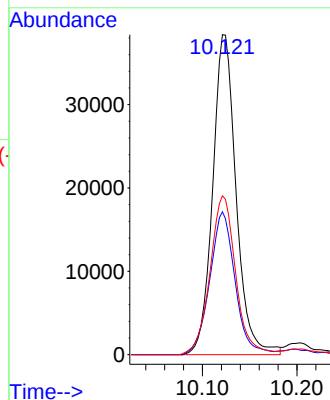
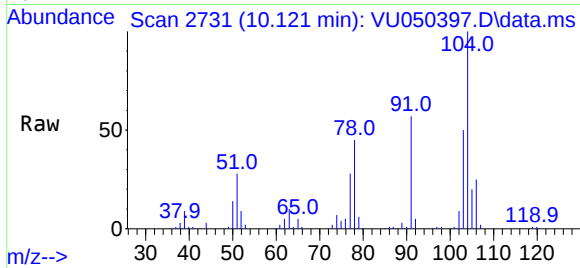




#66
Styrene
Concen: 2.524 ug/l
RT: 10.121 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

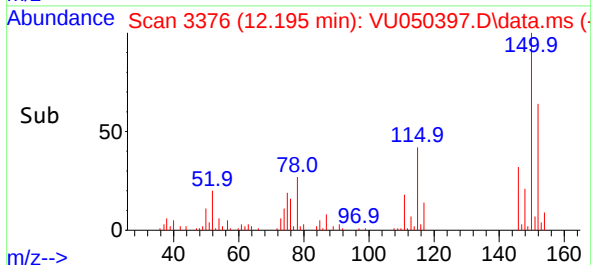
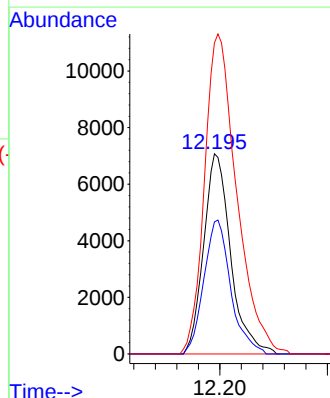
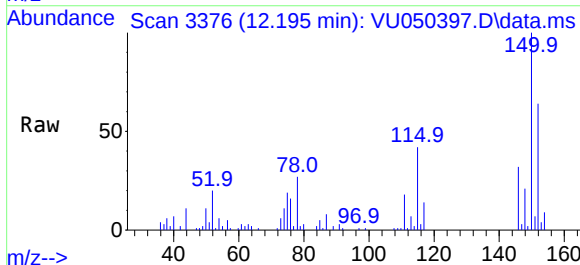
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCSDL

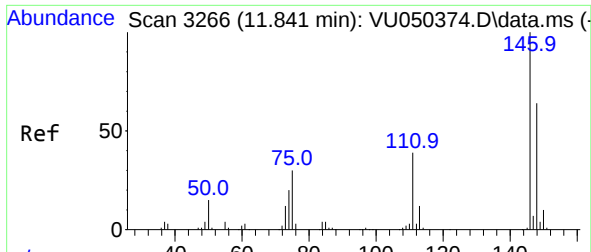
Tgt Ion:104 Resp: 66290
Ion Ratio Lower Upper
104 100
78 48.1 42.1 63.1
103 54.2 44.5 66.7



#68
1,2-Dichlorobenzene-d4
Concen: 0.902 ug/l
RT: 12.195 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

Tgt Ion:152 Resp: 12333
Ion Ratio Lower Upper
152 100
115 66.6 0.0 254.6
150 190.2 0.0 623.6

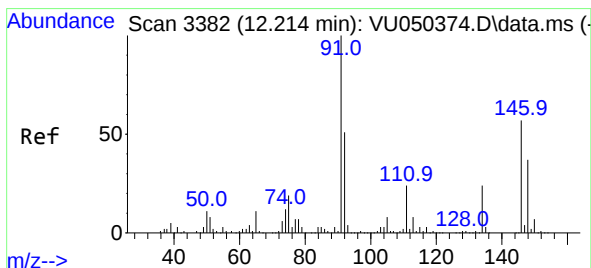
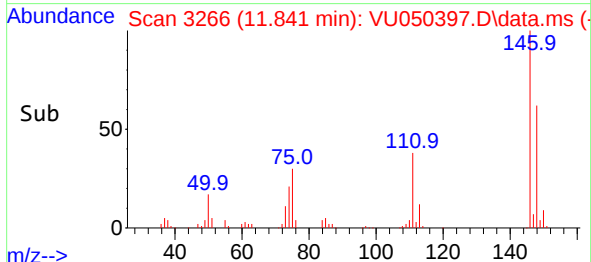
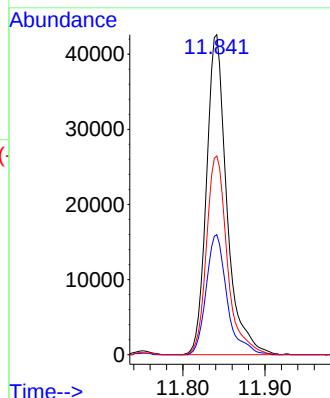
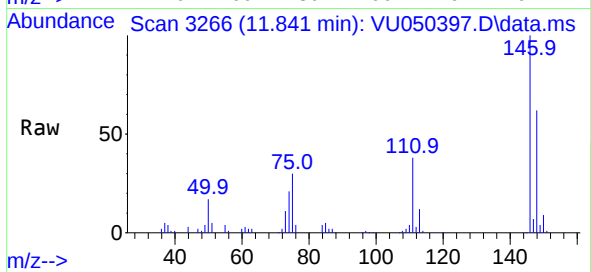




#83
1,4-Dichlorobenzene
Concen: 3.428 ug/l
RT: 11.841 min Scan# 3266
Delta R.T. 0.007 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

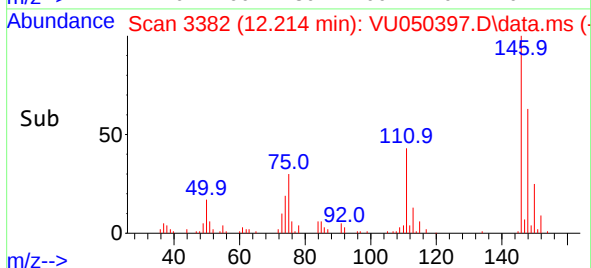
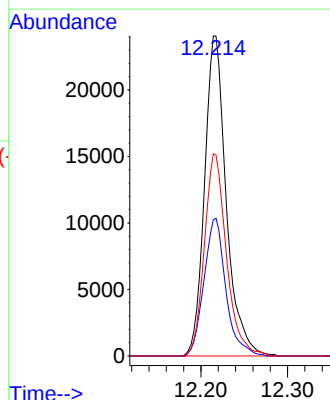
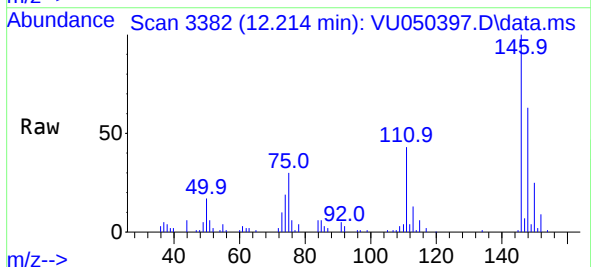
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCSDL

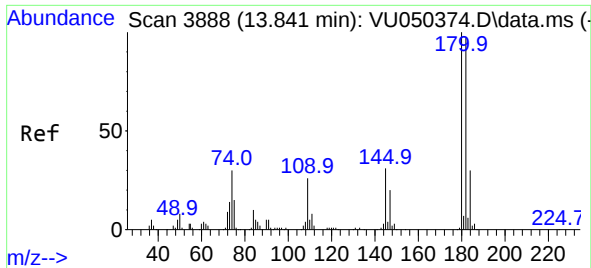
Tgt Ion:146 Resp: 73618
Ion Ratio Lower Upper
146 100
111 38.6 32.6 49.0
148 63.5 51.6 77.4



#85
1,2-Dichlorobenzene
Concen: 1.976 ug/l
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU050397.D
Acq: 22 Aug 2022 13:23

Tgt Ion:146 Resp: 41969
Ion Ratio Lower Upper
146 100
111 43.3 22.1 66.1
148 64.1 32.1 96.3





#87

1,2,4-Trichlorobenzene

Concen: 3.913 ug/l

RT: 13.844 min Scan# 3889

Delta R.T. 0.003 min

Lab File: VU050397.D

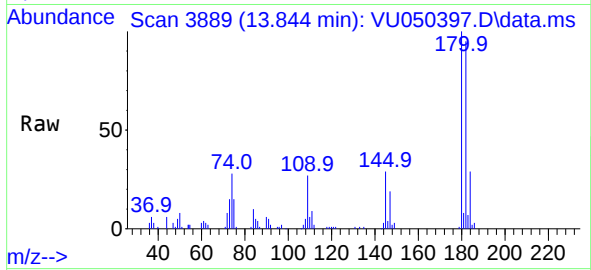
Acq: 22 Aug 2022 13:23

Instrument :

MSVOA_U

ClientSampleId :

WS-REGULATED-VOCSDL



Tgt Ion:180 Resp: 47416

Ion Ratio Lower Upper

180 100

182 97.0 77.0 115.6

145 30.8 25.7 38.5

