

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
 Data File : VU050386.D
 Acq On : 19 Aug 2022 23:42
 Operator : SY/MD
 Sample : N3734-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WS-REGULATED-VOCS

Quant Time: Aug 20 06:30:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Aug 19 15:06:59 2022
 Response via : Initial Calibration

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

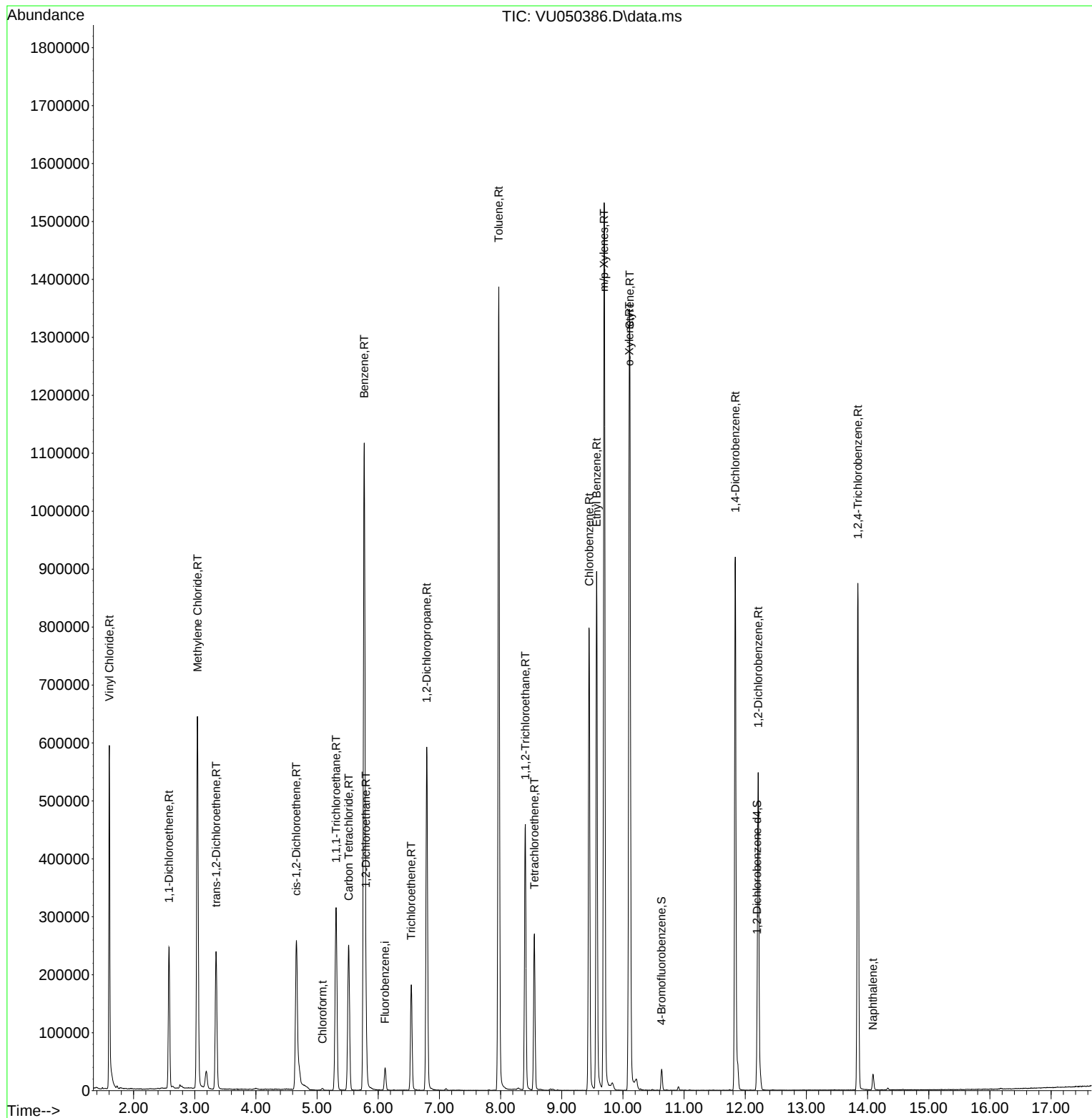
Internal Standards						
1) Fluorobenzene	6.111	96	36288	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.632	95	12838	1.039	ug/l	0.00
Spiked Amount 1.000			Recovery	=	104.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	15425	1.056	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.000%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.604	62	454233	29.076	ug/l	100
9) 1,1-Dichloroethene	2.578	96	84174	7.876	ug/l	95
15) Methylene Chloride	3.044	84	300997	20.816	ug/l	93
16) trans-1,2-Dichloroethene	3.349	96	97177	8.798	ug/l	96
22) cis-1,2-Dichloroethene	4.661	96	131418	10.517	ug/l	91
27) Chloroform	5.089	83	3105	0.139	ug/l	85
28) 1,1,1-Trichloroethane	5.311	97	226824	11.923	ug/l	99
30) Carbon Tetrachloride	5.517	117	170551	11.200	ug/l	97
35) Benzene	5.771	78	1055782	23.569	ug/l	98
36) 1,2-Dichloroethane	5.796	62	104440	7.636	ug/l	99
37) Trichloroethene	6.539	130	62945	5.862	ug/l	97
38) 1,2-Dichloropropane	6.793	63	232071	19.301	ug/l	99
49) Toluene	7.970	92	555016	23.061	ug/l	96
52) 1,1,2-Trichloroethane	8.404	97	143116	15.024	ug/l	99
58) Tetrachloroethene	8.552	164	59188	5.857	ug/l	98
59) Chlorobenzene	9.449	112	434805	16.742	ug/l	98
63) Ethyl Benzene	9.571	91	603164	11.393	ug/l	99
64) m/p-Xylenes	9.693	106	439503	21.011	ug/l	98
65) o-Xylene	10.102	106	211998	10.868	ug/l	99
66) Styrene	10.115	104	456240	12.989	ug/l	96
83) 1,4-Dichlorobenzene	11.838	146	397758	17.329	ug/l	98
85) 1,2-Dichlorobenzene	12.211	146	232238	10.232	ug/l	99
87) 1,2,4-Trichlorobenzene	13.841	180	278270	21.489	ug/l	99
89) Naphthalene	14.089	128	24413	1.589	ug/l	99

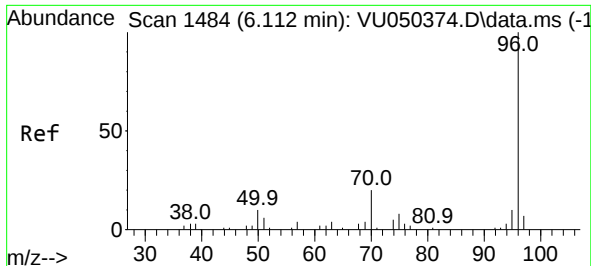
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU081922\
Data File : VU050386.D
Acq On : 19 Aug 2022 23:42
Operator : SY/MD
Sample : N3734-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCS

Quant Time: Aug 20 06:30:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Aug 19 15:06:59 2022
Response via : Initial Calibration

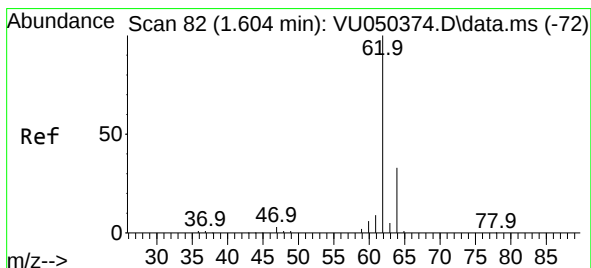
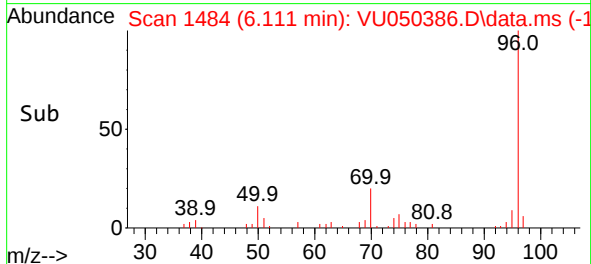
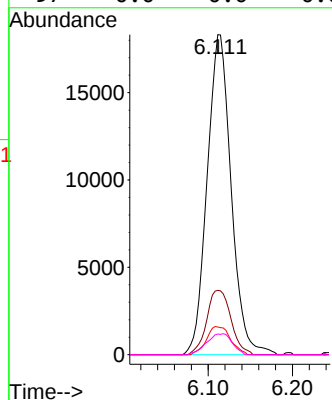
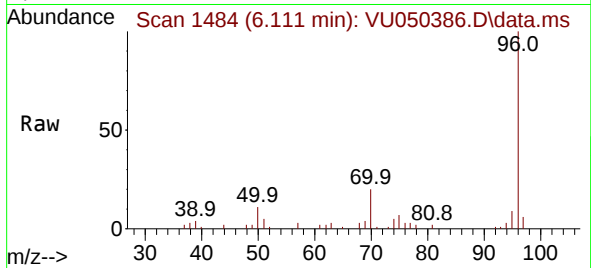




#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.111 min Scan# 1484
Delta R.T. -0.001 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

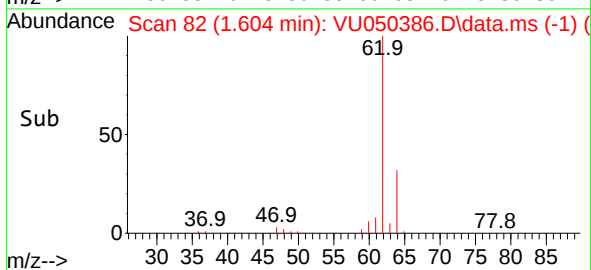
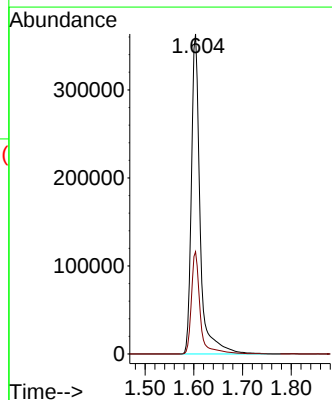
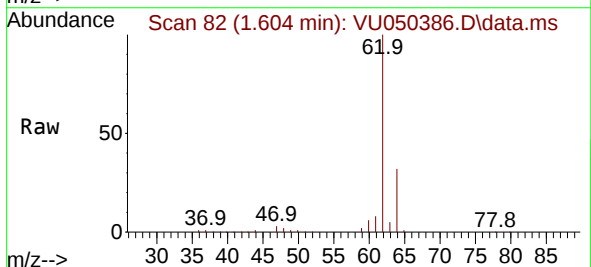
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCS

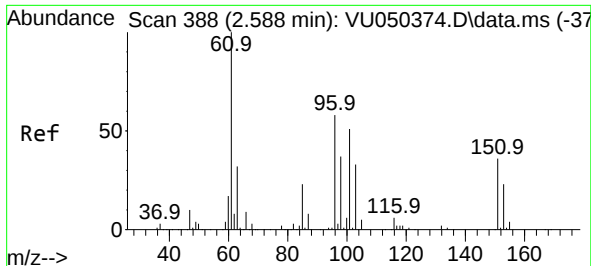
Tgt Ion:	96	Resp:	36288
Ion	Ratio	Lower	Upper
96	100		
70	20.3	16.7	25.1
95	8.8	7.4	11.0
97	0.0	0.0	0.0



#4
Vinyl Chloride
Concen: 29.076 ug/l
RT: 1.604 min Scan# 82
Delta R.T. -0.000 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

Tgt Ion:	62	Resp:	454233
Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3

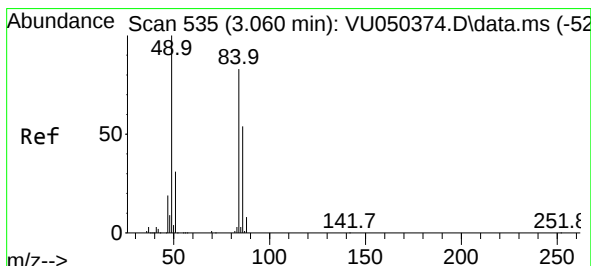
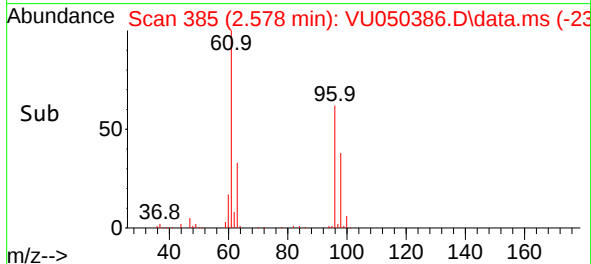
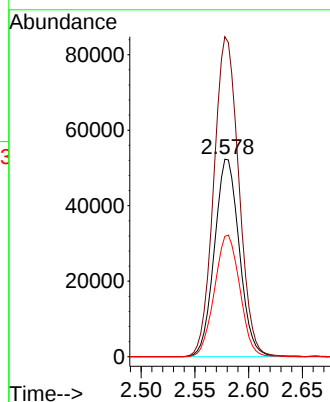
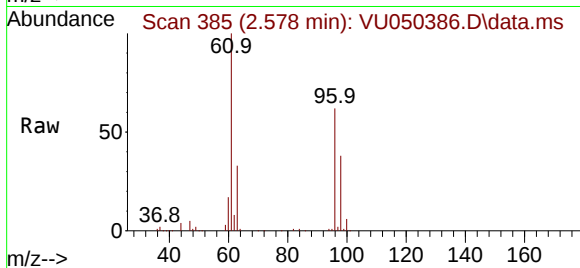




#9
1,1-Dichloroethene
Concen: 7.876 ug/l
RT: 2.578 min Scan# 385
Delta R.T. -0.010 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

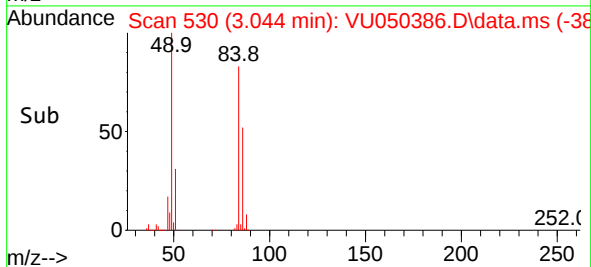
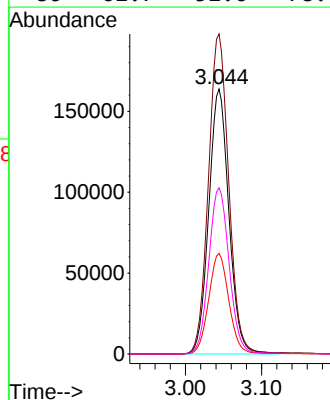
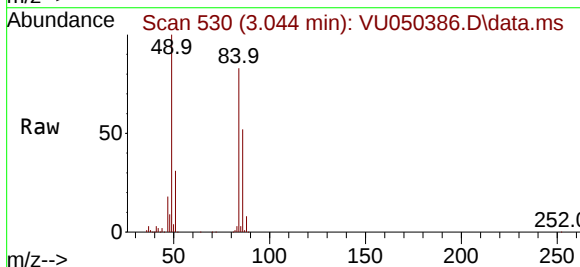
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCS

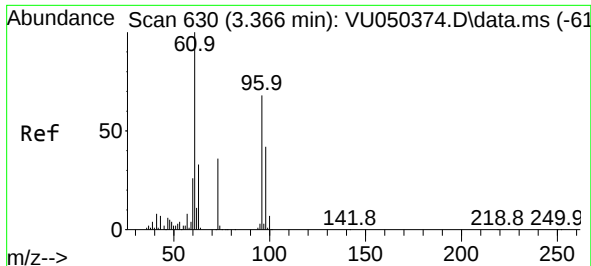
Tgt Ion: 96 Resp: 84174
Ion Ratio Lower Upper
96 100
61 162.1 0.0 510.6
98 60.9 0.0 124.6



#15
Methylene Chloride
Concen: 20.816 ug/l
RT: 3.044 min Scan# 530
Delta R.T. -0.016 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

Tgt Ion: 84 Resp: 300997
Ion Ratio Lower Upper
84 100
49 120.7 104.6 157.0
51 37.9 0.0 81.4
86 62.7 52.6 78.8

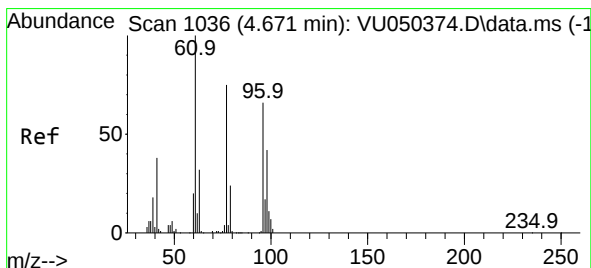
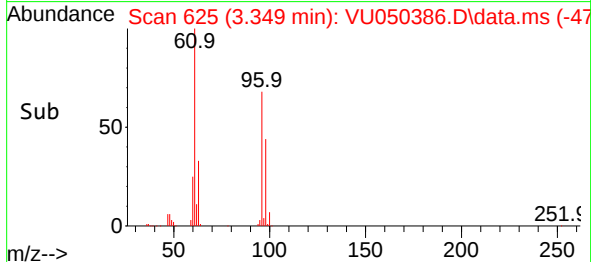
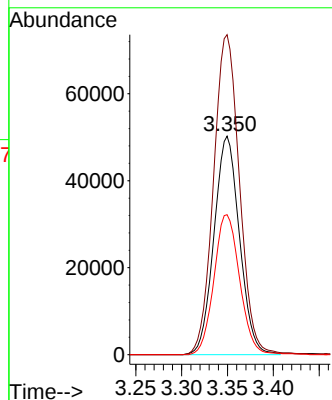
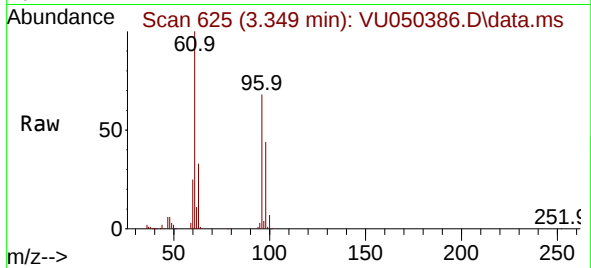




#16
trans-1,2-Dichloroethene
Concen: 8.798 ug/l
RT: 3.349 min Scan# 61
Delta R.T. -0.016 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

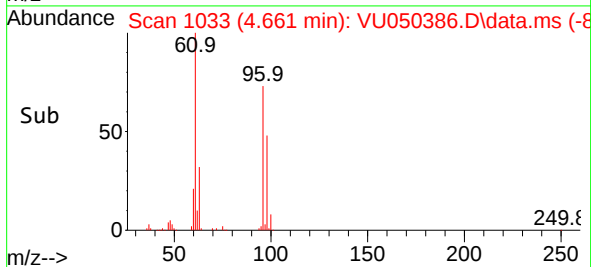
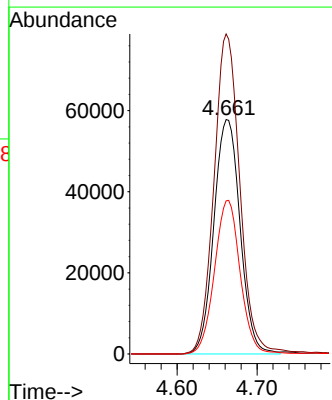
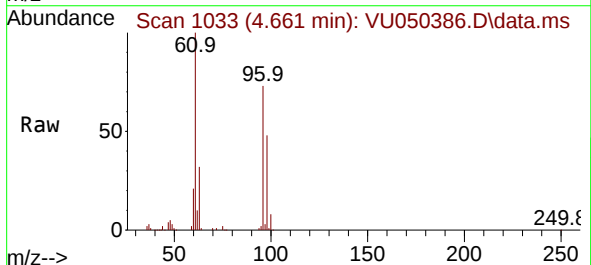
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCS

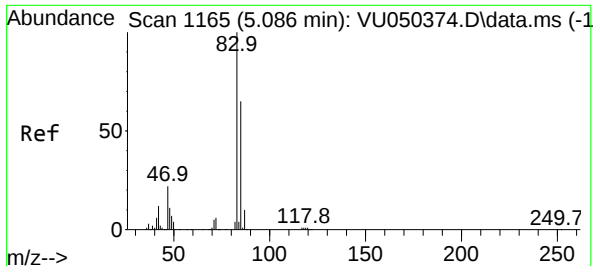
Tgt Ion: 96 Resp: 97177
Ion Ratio Lower Upper
96 100
61 146.4 123.4 185.0
98 64.0 51.6 77.4



#22
cis-1,2-Dichloroethene
Concen: 10.517 ug/l
RT: 4.661 min Scan# 1033
Delta R.T. -0.010 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

Tgt Ion: 96 Resp: 131418
Ion Ratio Lower Upper
96 100
61 135.3 0.0 375.8
98 64.2 31.6 95.0





#27

Chloroform

Concen: 0.139 ug/l

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU050386.D

Acq: 19 Aug 2022 23:42

Instrument :

MSVOA_U

ClientSampleId :

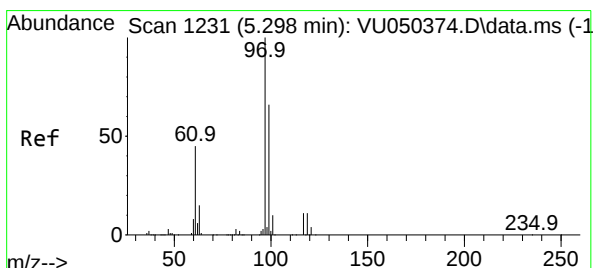
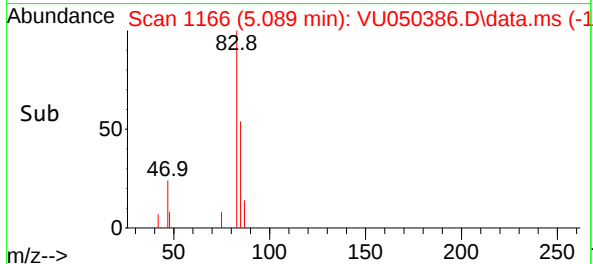
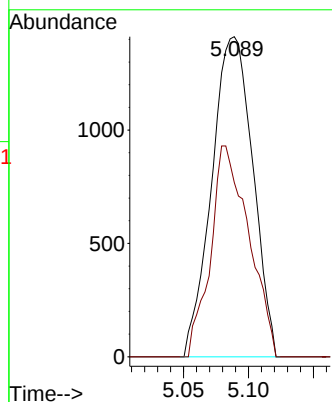
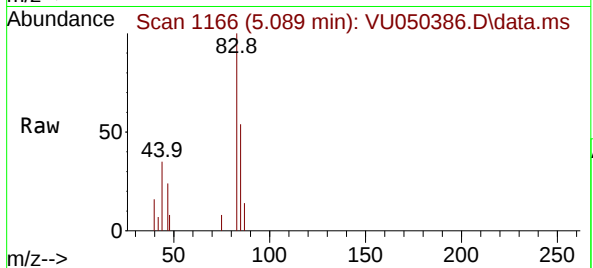
WS-REGULATED-VOCS

Tgt Ion: 83 Resp: 3105

Ion Ratio Lower Upper

83 100

85 54.5 0.0 133.6



#28

1,1,1-Trichloroethane

Concen: 11.923 ug/l

RT: 5.311 min Scan# 1235

Delta R.T. 0.013 min

Lab File: VU050386.D

Acq: 19 Aug 2022 23:42

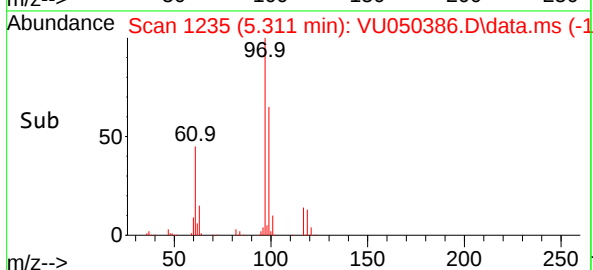
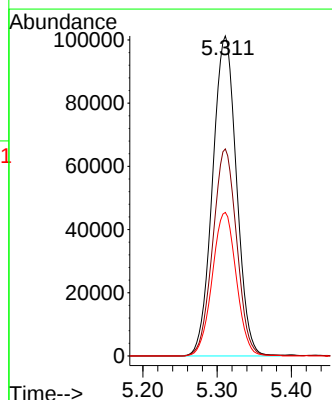
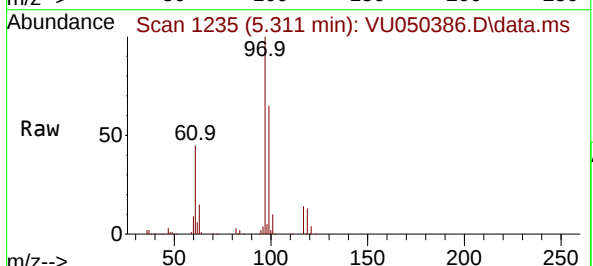
Tgt Ion: 97 Resp: 226824

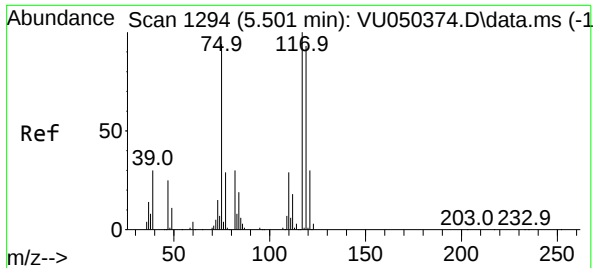
Ion Ratio Lower Upper

97 100

99 64.9 32.1 96.5

61 45.1 21.8 65.4

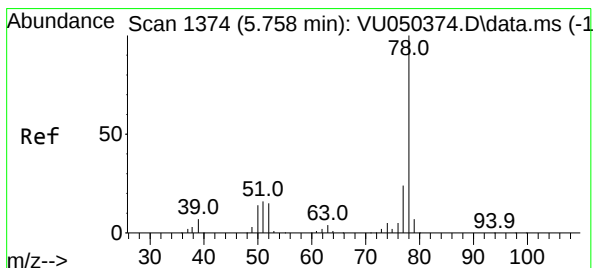
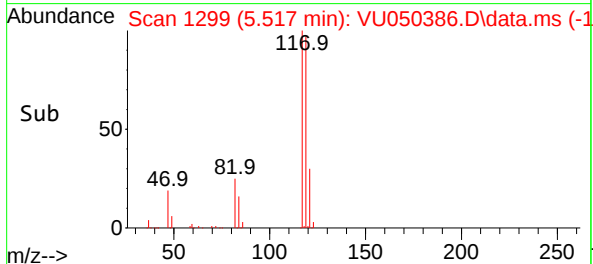
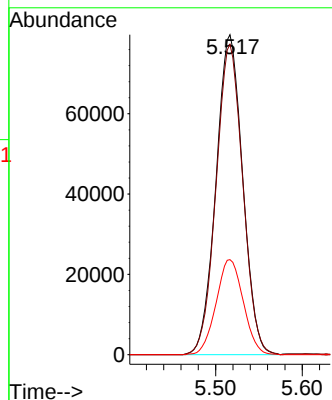
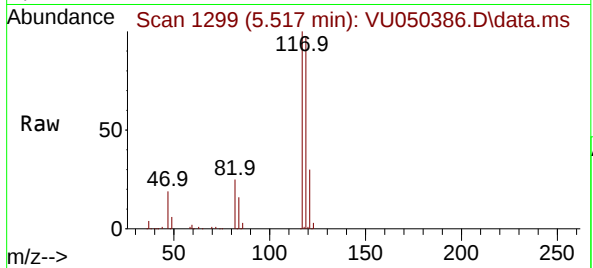




#30
Carbon Tetrachloride
Concen: 11.200 ug/l
RT: 5.517 min Scan# 117
Delta R.T. 0.016 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

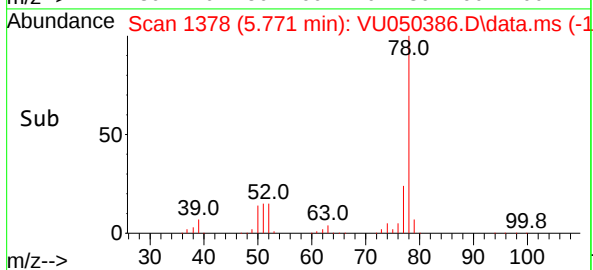
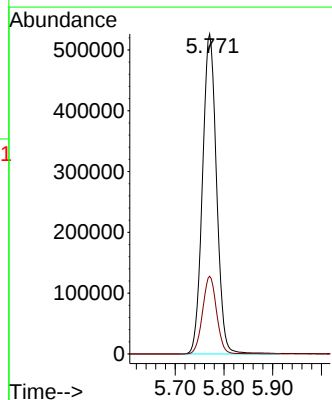
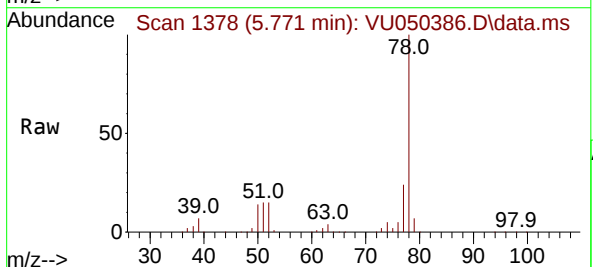
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCS

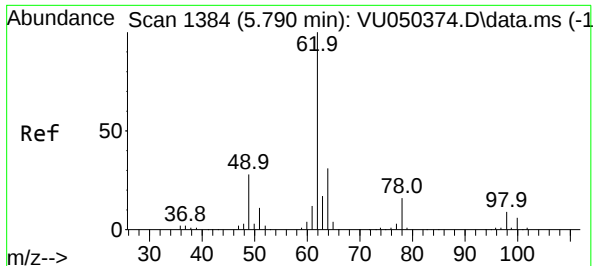
Tgt Ion:117 Resp: 170551
Ion Ratio Lower Upper
117 100
119 97.0 74.6 112.0
121 29.7 24.2 36.4



#35
Benzene
Concen: 23.569 ug/l
RT: 5.771 min Scan# 1378
Delta R.T. 0.013 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

Tgt Ion: 78 Resp: 1055782
Ion Ratio Lower Upper
78 100
77 24.3 18.6 28.0





#36

1,2-Dichloroethane

Concen: 7.636 ug/l

RT: 5.796 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU050386.D

Acq: 19 Aug 2022 23:42

Instrument :

MSVOA_U

ClientSampleId :

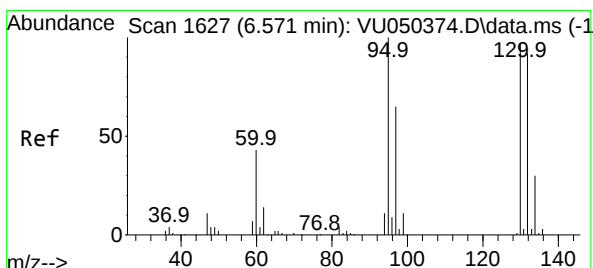
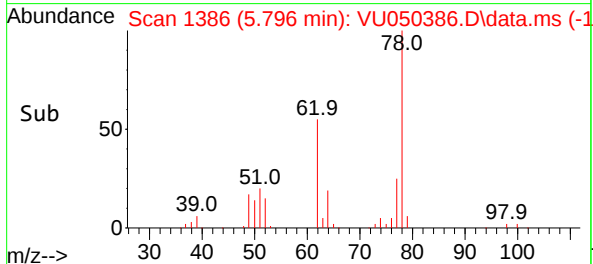
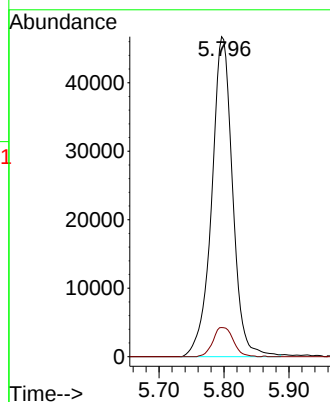
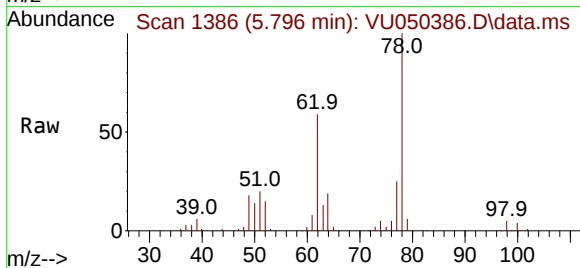
WS-REGULATED-VOCS

Tgt Ion: 62 Resp: 104440

Ion Ratio Lower Upper

62 100

98 8.9 7.4 11.0



#37

Trichloroethene

Concen: 5.862 ug/l

RT: 6.539 min Scan# 1617

Delta R.T. -0.032 min

Lab File: VU050386.D

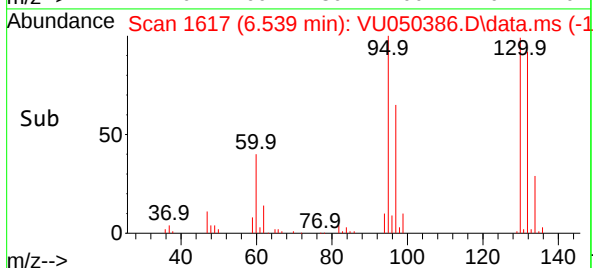
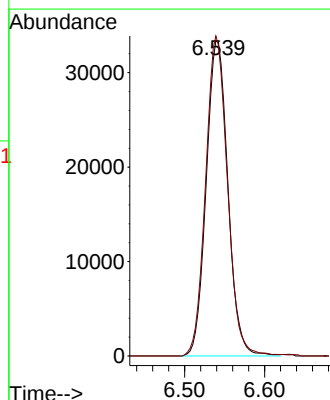
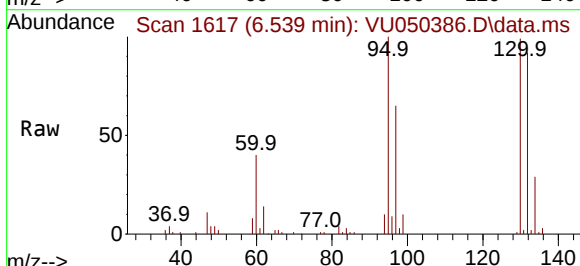
Acq: 19 Aug 2022 23:42

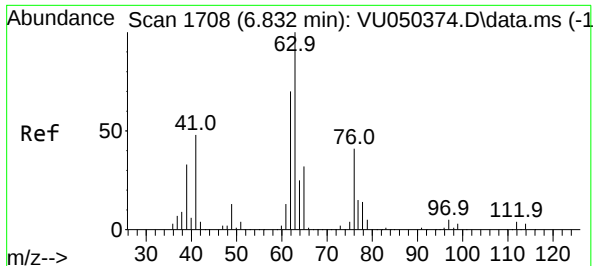
Tgt Ion: 130 Resp: 62945

Ion Ratio Lower Upper

130 100

95 101.5 83.8 125.8





#38

1,2-Dichloropropane

Concen: 19.301 ug/l

RT: 6.793 min Scan# 1

Delta R.T. -0.039 min

Lab File: VU050386.D

Acq: 19 Aug 2022 23:42

Instrument :

MSVOA_U

ClientSampleId :

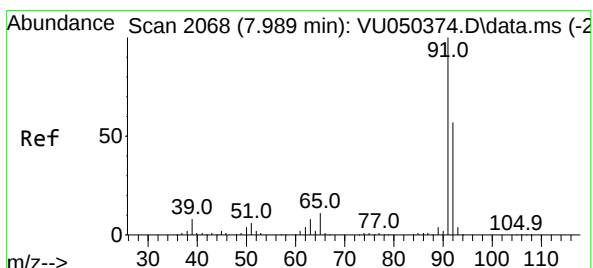
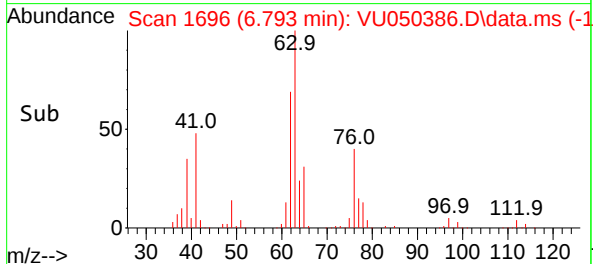
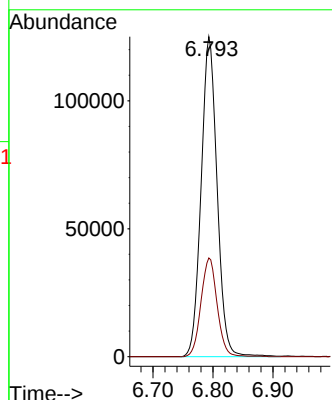
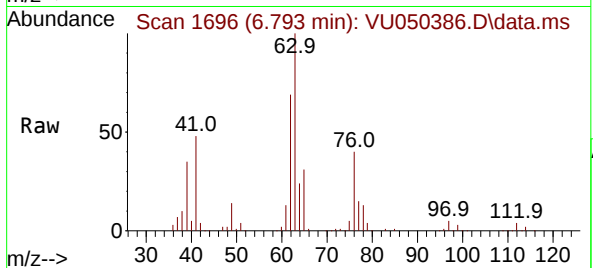
WS-REGULATED-VOCS

Tgt Ion: 63 Resp: 232071

Ion Ratio Lower Upper

63 100

65 30.9 25.0 37.4



#49

Toluene

Concen: 23.061 ug/l

RT: 7.970 min Scan# 2062

Delta R.T. -0.019 min

Lab File: VU050386.D

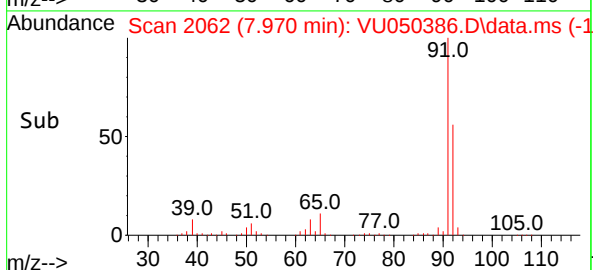
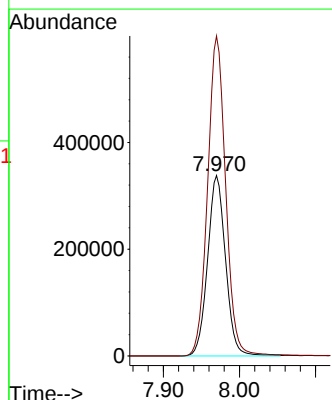
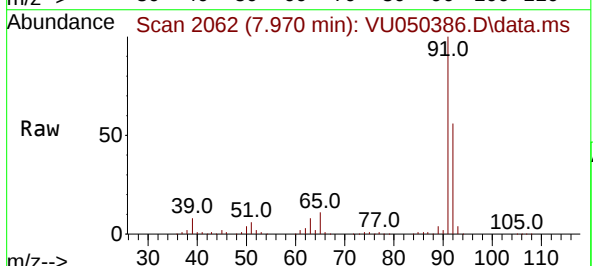
Acq: 19 Aug 2022 23:42

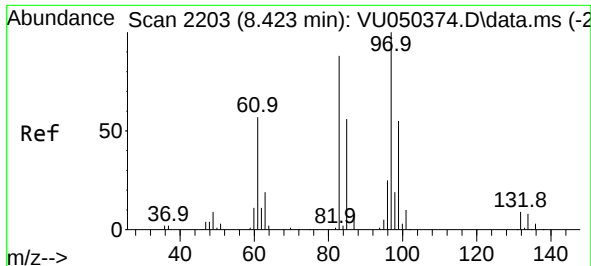
Tgt Ion: 92 Resp: 555016

Ion Ratio Lower Upper

92 100

91 178.5 138.6 207.8

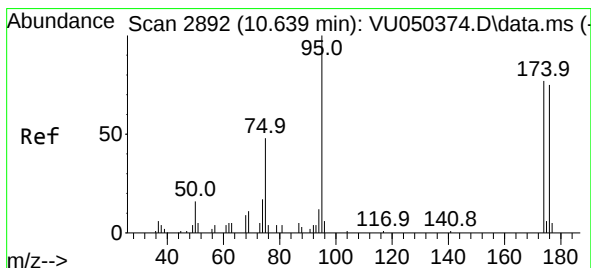
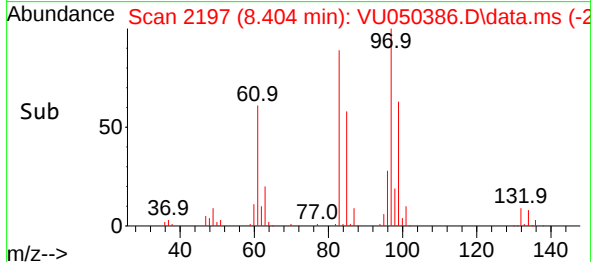
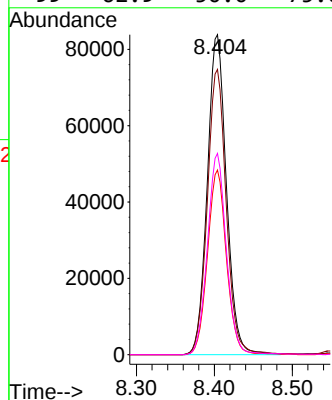
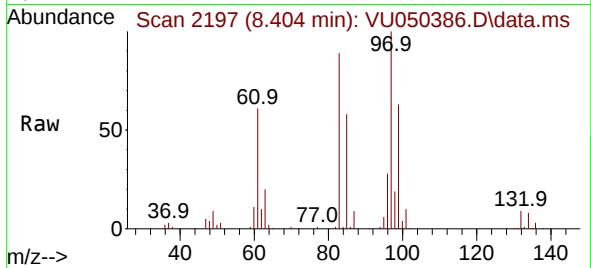




#52
1,1,2-Trichloroethane
Concen: 15.024 ug/l
RT: 8.404 min Scan# 2197
Delta R.T. -0.019 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

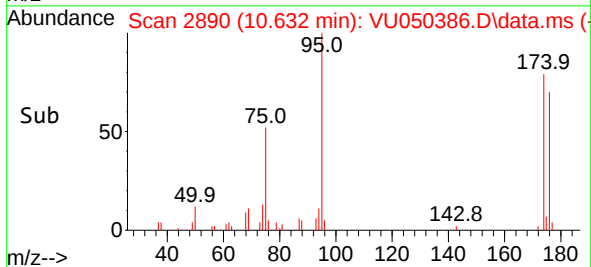
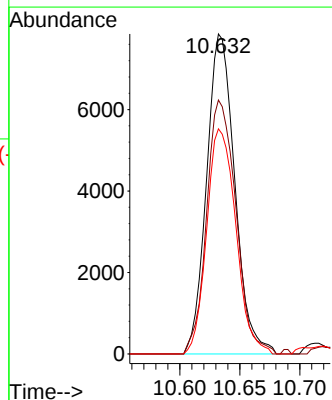
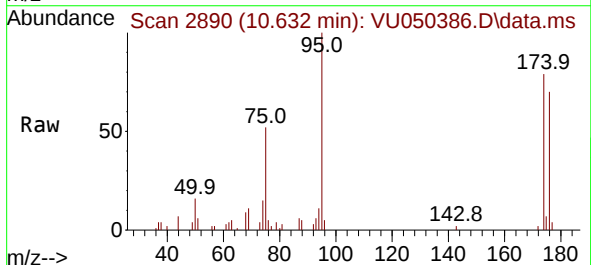
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCS

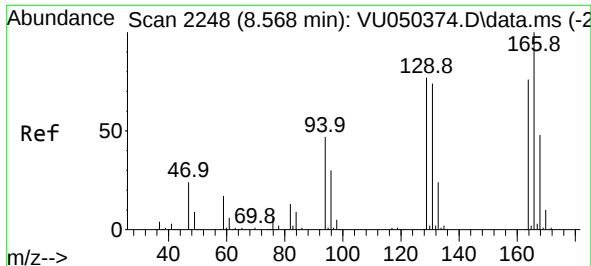
Tgt Ion:	97	Resp:	143116
Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.6	106.0
85	57.7	46.2	69.4
99	62.9	50.0	75.0



#57
4-Bromofluorobenzene
Concen: 1.039 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.007 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

Tgt Ion:	95	Resp:	12838
Ion	Ratio	Lower	Upper
95	100		
174	82.5	62.4	93.6
176	72.7	56.2	84.2

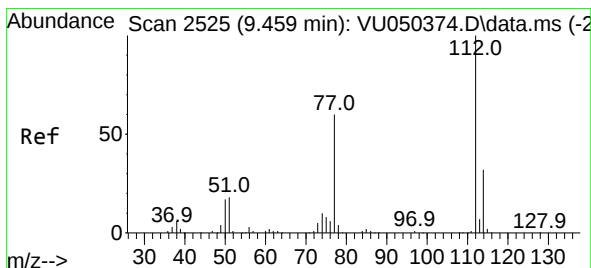
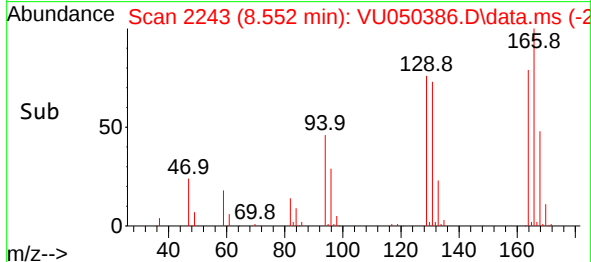
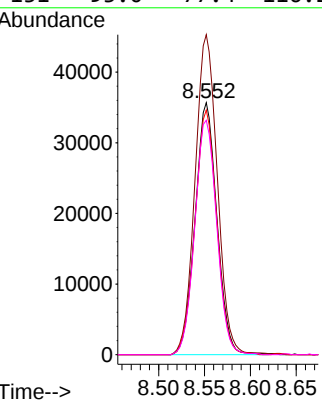
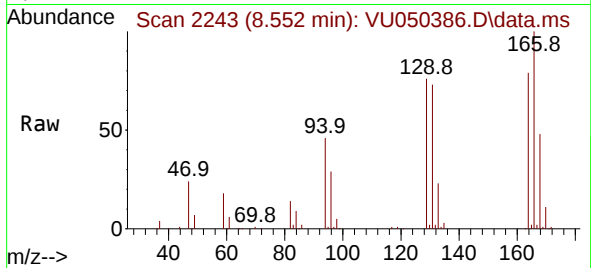




#58
Tetrachloroethene
Concen: 5.857 ug/l
RT: 8.552 min Scan# 211
Delta R.T. -0.016 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

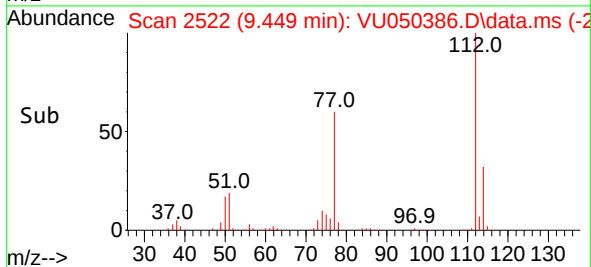
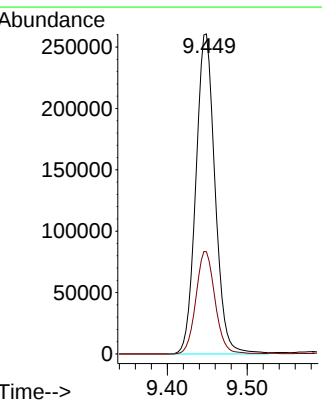
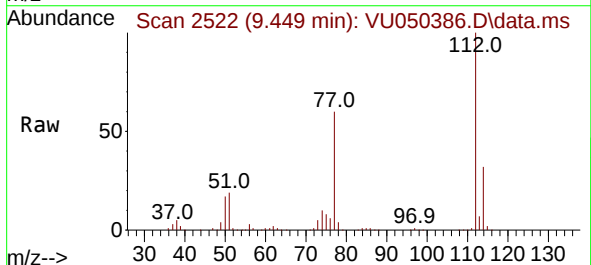
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCS

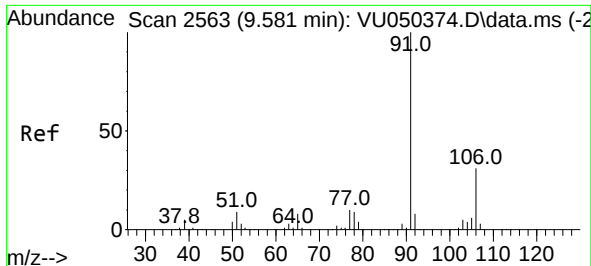
Tgt Ion:164 Resp: 59188
Ion Ratio Lower Upper
164 100
166 127.0 102.4 153.6
129 97.1 79.5 119.3
131 93.0 77.4 116.2



#59
Chlorobenzene
Concen: 16.742 ug/l
RT: 9.449 min Scan# 2522
Delta R.T. -0.010 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

Tgt Ion:112 Resp: 434805
Ion Ratio Lower Upper
112 100
114 31.9 24.9 37.3

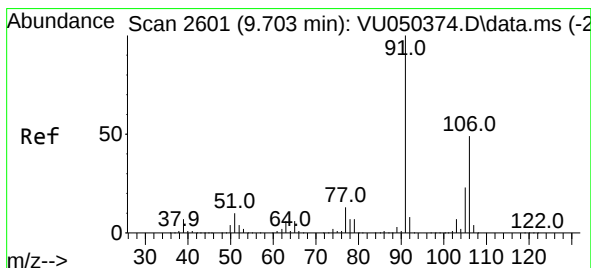
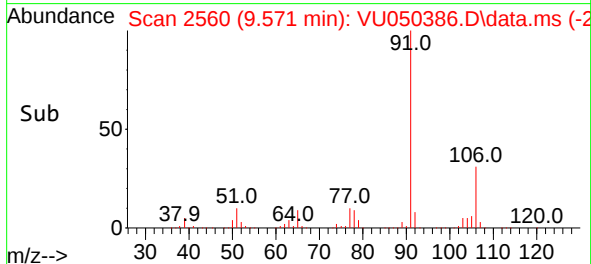
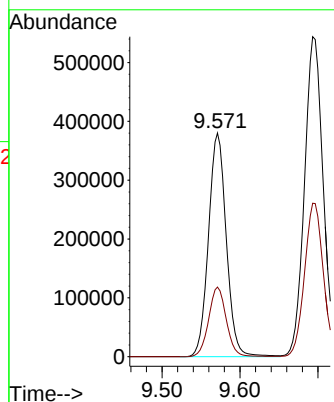
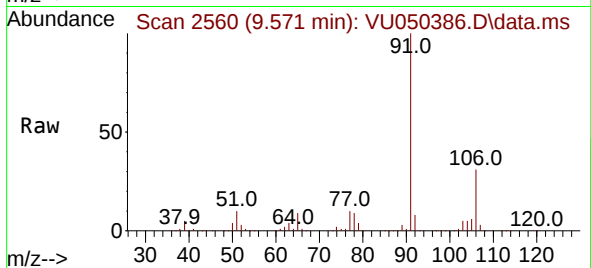




#63
Ethyl Benzene
Concen: 11.393 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.010 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

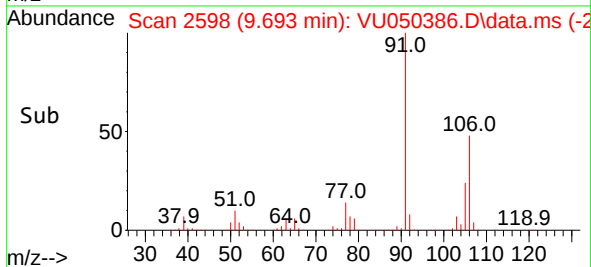
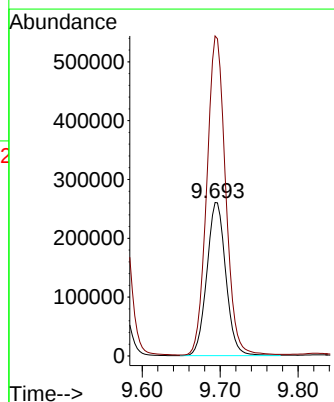
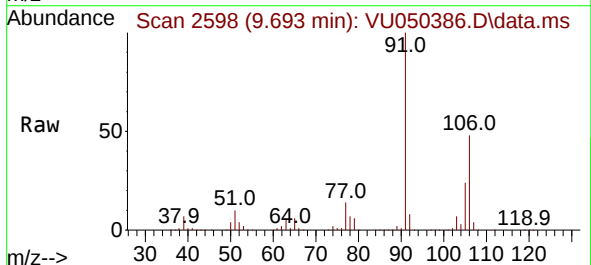
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCS

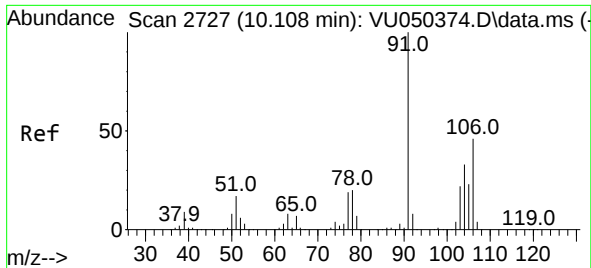
Tgt Ion: 91 Resp: 603164
Ion Ratio Lower Upper
91 100
106 31.1 24.4 36.6



#64
m/p-Xylenes
Concen: 21.011 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. -0.010 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

Tgt Ion: 106 Resp: 439503
Ion Ratio Lower Upper
106 100
91 206.9 167.8 251.6

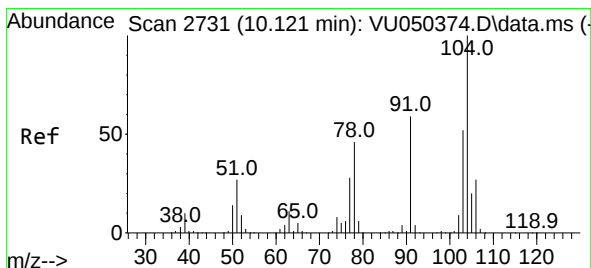
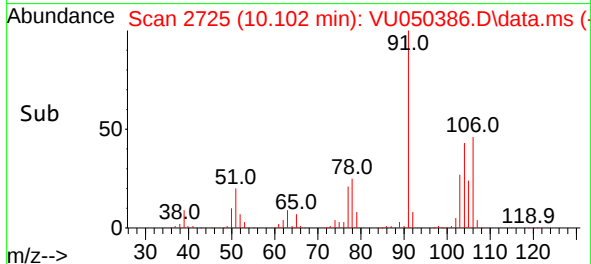
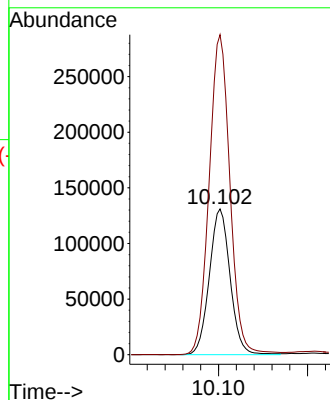
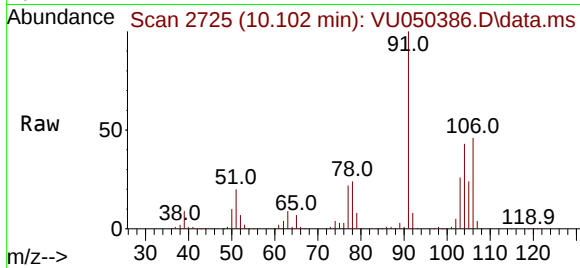




#65
o-Xylene
Concen: 10.868 ug/l
RT: 10.102 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

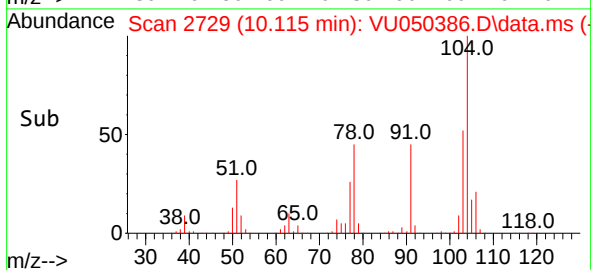
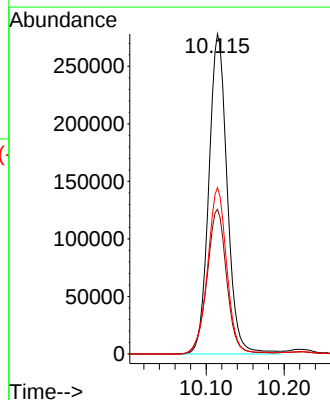
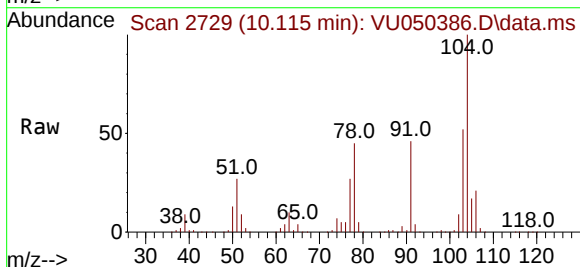
Instrument :
MSVOA_U
ClientSampleId :
WS-REGULATED-VOCS

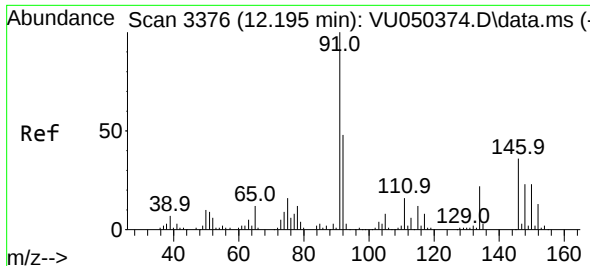
Tgt Ion:106 Resp: 211998
Ion Ratio Lower Upper
106 100
91 220.2 111.1 333.2



#66
Styrene
Concen: 12.989 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VU050386.D
Acq: 19 Aug 2022 23:42

Tgt Ion:104 Resp: 456240
Ion Ratio Lower Upper
104 100
78 48.2 42.1 63.1
103 54.3 44.5 66.7

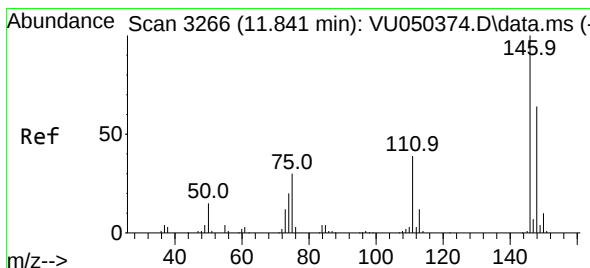
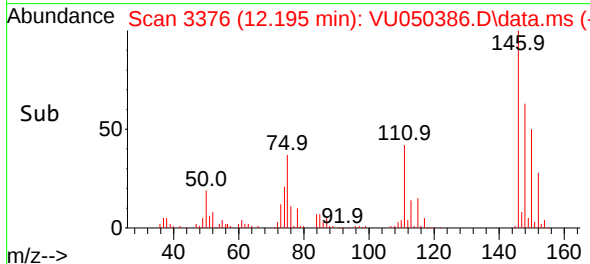
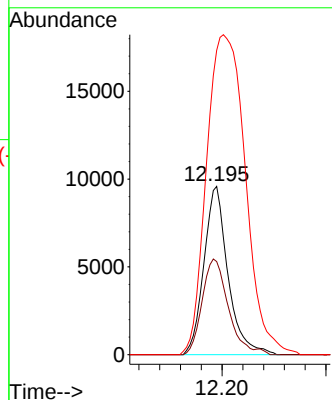
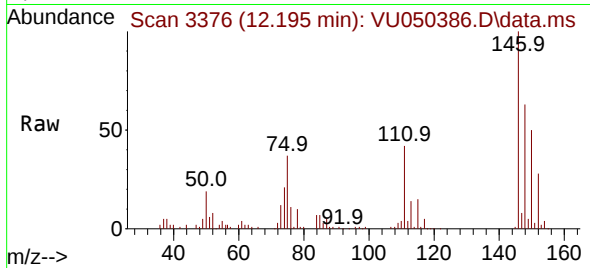




#68
 1,2-Dichlorobenzene-d4
 Concen: 1.056 ug/l
 RT: 12.195 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VU050386.D
 Acq: 19 Aug 2022 23:42

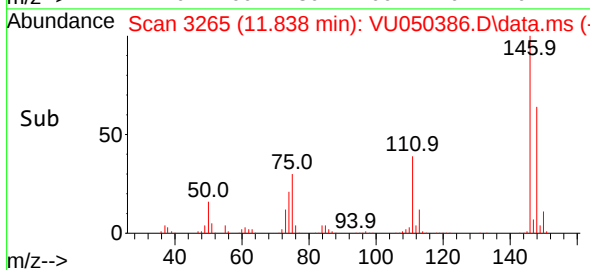
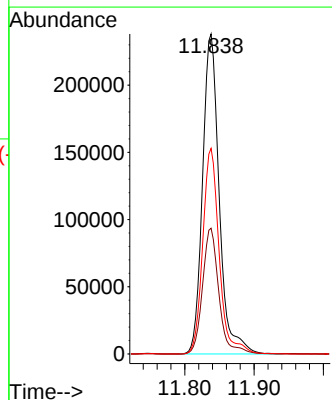
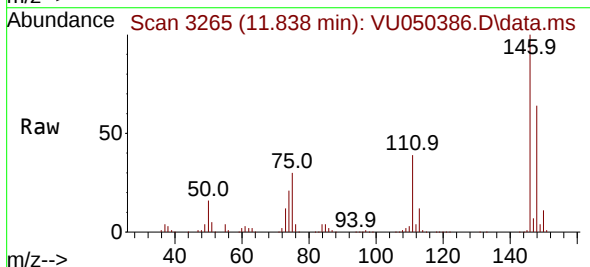
Instrument :
 MSVOA_U
 ClientSampleId :
 WS-REGULATED-VOCS

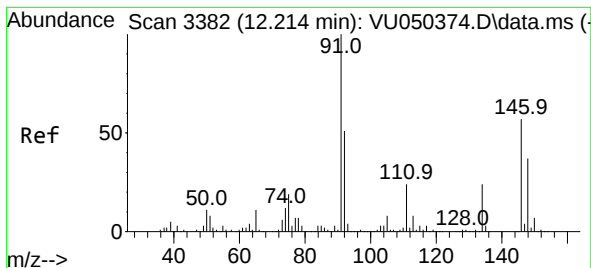
Tgt Ion:152 Resp: 15425
 Ion Ratio Lower Upper
 152 100
 115 61.9 0.0 254.6
 150 306.6 0.0 623.6



#83
 1,4-Dichlorobenzene
 Concen: 17.329 ug/l
 RT: 11.838 min Scan# 3265
 Delta R.T. -0.003 min
 Lab File: VU050386.D
 Acq: 19 Aug 2022 23:42

Tgt Ion:146 Resp: 397758
 Ion Ratio Lower Upper
 146 100
 111 38.6 32.6 49.0
 148 63.4 51.6 77.4





#85

1,2-Dichlorobenzene

Concen: 10.232 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. -0.003 min

Lab File: VU050386.D

Acq: 19 Aug 2022 23:42

Instrument :

MSVOA_U

ClientSampleId :

WS-REGULATED-VOCS

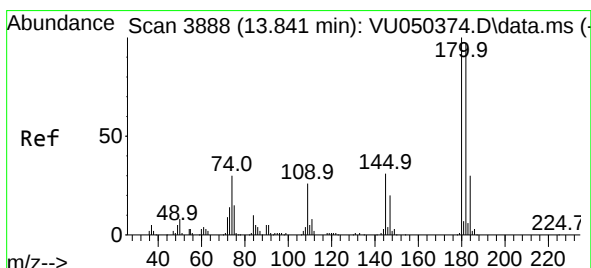
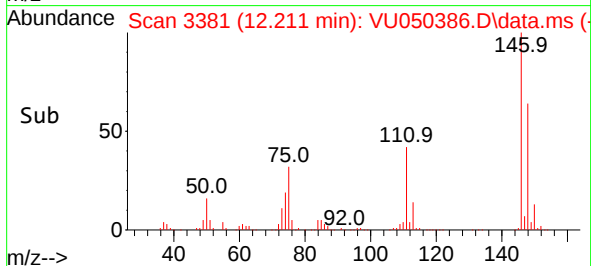
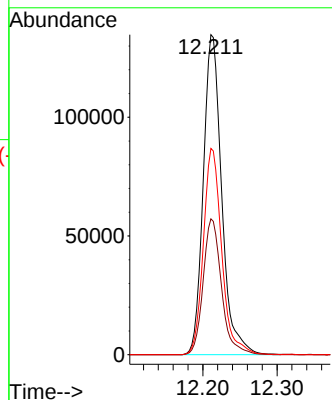
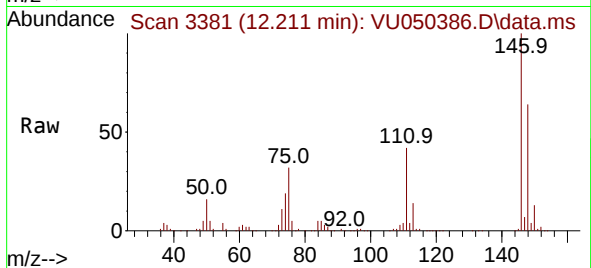
Tgt Ion:146 Resp: 232238

Ion Ratio Lower Upper

146 100

111 42.3 22.1 66.1

148 64.4 32.1 96.3



#87

1,2,4-Trichlorobenzene

Concen: 21.489 ug/l

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU050386.D

Acq: 19 Aug 2022 23:42

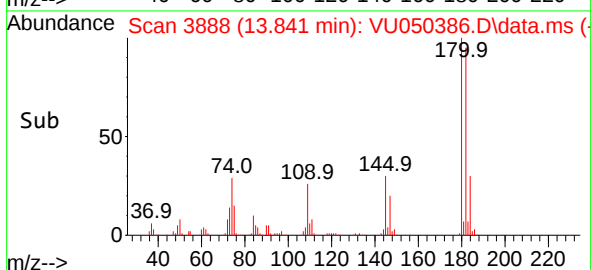
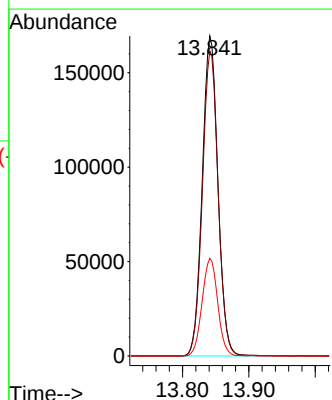
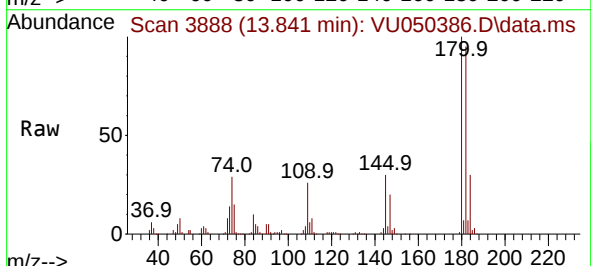
Tgt Ion:180 Resp: 278270

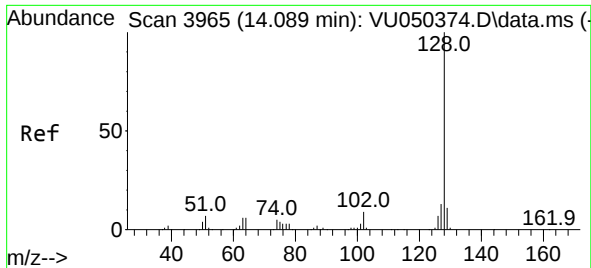
Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.6

145 30.3 25.7 38.5





#89

Naphthalene

Concen: 1.589 ug/l

RT: 14.089 min Scan# 3965

Delta R.T. -0.000 min

Lab File: VU050386.D

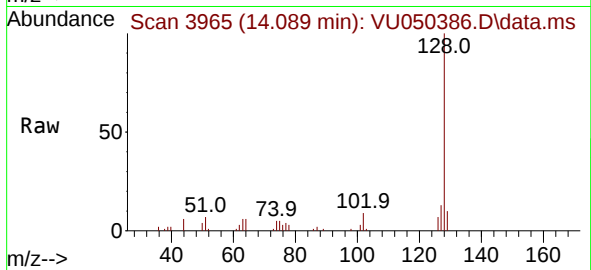
Acq: 19 Aug 2022 23:42

Instrument :

MSVOA_U

ClientSampleId :

WS-REGULATED-VOCS



Tgt Ion:	128	Resp:	24413
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.1	15.1
129	10.0	8.6	12.8

