

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037576.D
 Acq On : 03 Apr 2020 19:02
 Operator : JC/MD
 Sample : L2158-05 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0F02

Quant Time: Apr 04 06:36:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 05:18:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	169324	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	160894	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	74821	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	61646	44.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.66%
7) Chloroethane-d5	1.93	69	49922	45.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.36%
11) 1,1-Dichloroethene-d2	2.59	63	84386	36.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.02%
21) 2-Butanone-d5	4.66	46	101388	98.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.09%
24) Chloroform-d	5.11	84	108340	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
26) 1,2-Dichloroethane-d4	5.74	65	69566	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.44%
32) Benzene-d6	5.76	84	220821	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
36) 1,2-Dichloropropane-d6	6.72	67	73473	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.64%
41) Toluene-d8	7.92	98	204113	46.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.96%
43) trans-1,3-Dichloropropene-	8.20	79	38394	45.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.12%
47) 2-Hexanone-d5	8.65	63	81632	98.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.18%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	106477	47.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.92%
64) 1,2-Dichlorobenzene-d4	12.21	152	73408	48.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.16%

Target Compounds

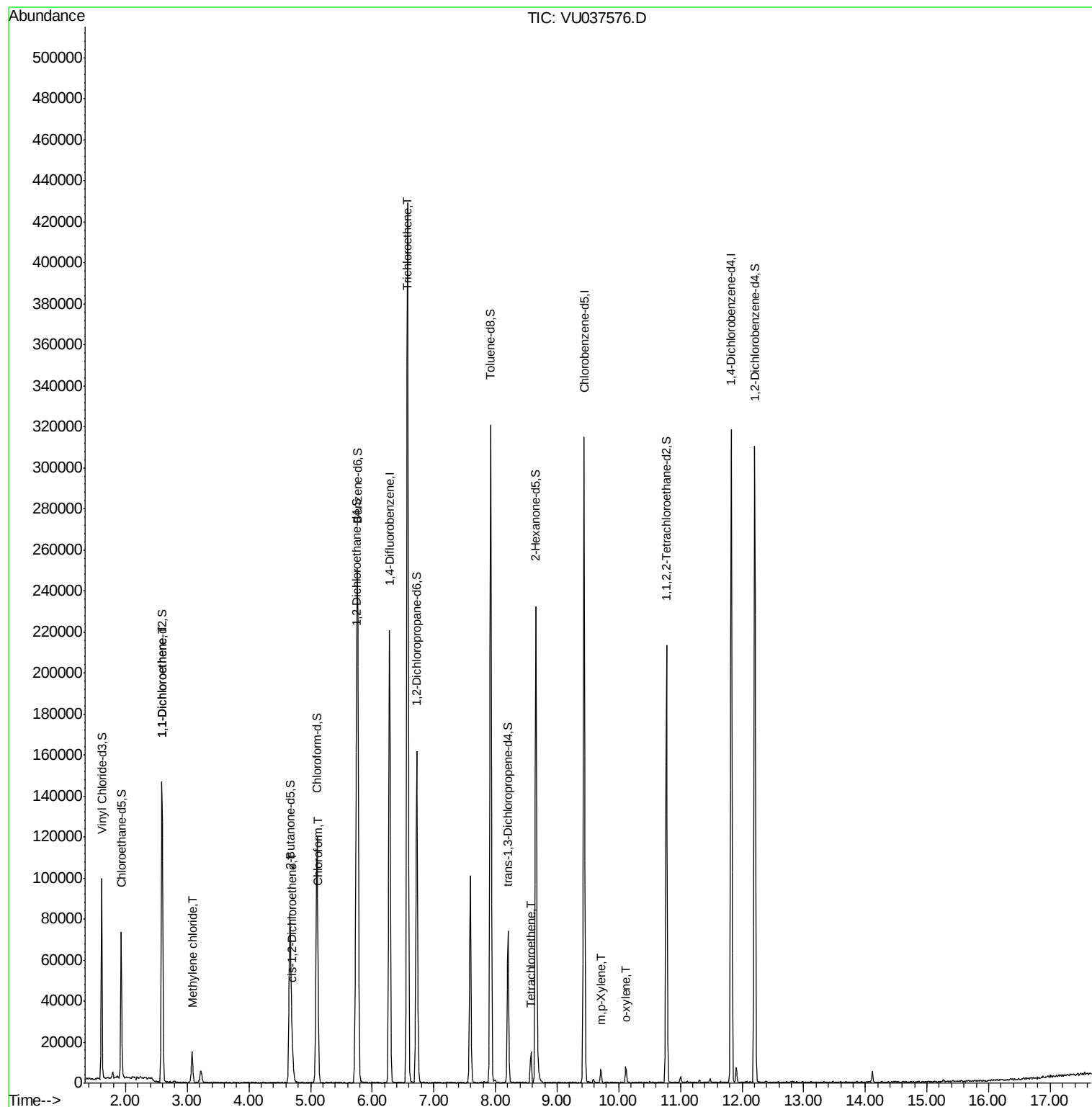
					Ovalue
12) 1,1-Dichloroethene	2.60	96	2341	2.585 ug/L	# 1
16) Methylene chloride	3.08	84	6846	6.231 ug/L	94
20) cis-1,2-Dichloroethene	4.71	96	5778	5.144 ug/L	96
25) Chloroform	5.13	83	3046	1.529 ug/L	86
34) Trichloroethene	6.57	95	145928	132.380 ug/L	99
46) Tetrachloroethene	8.57	164	3005	4.060 ug/L	93
53) m,p-Xylene	9.71	106	1752	0.910 ug/L	94
54) o-xylene	10.11	106	2158	1.163 ug/L	98

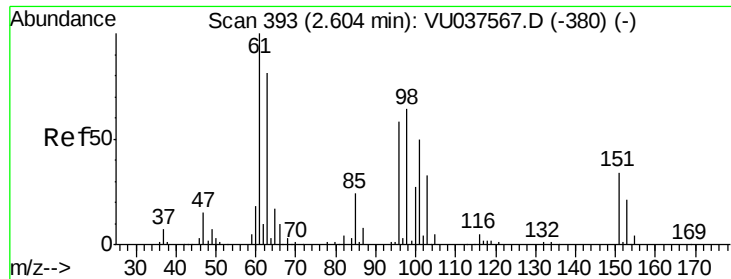
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 2.585 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037576.D

Acq: 03 Apr 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

C0F02

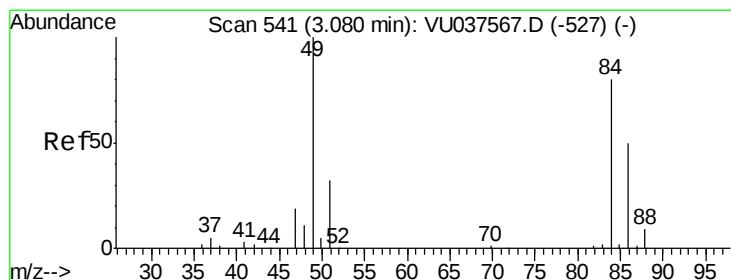
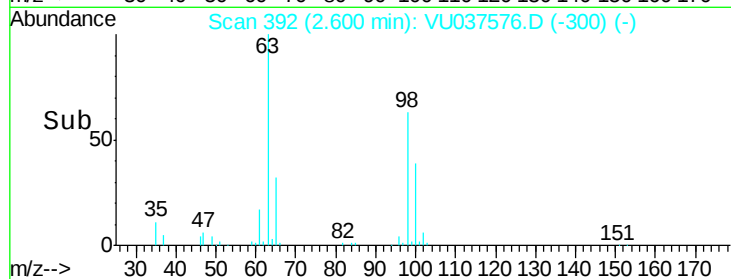
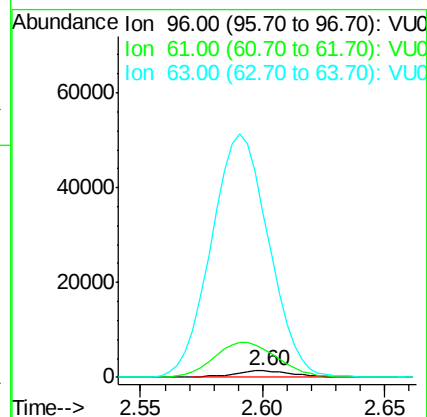
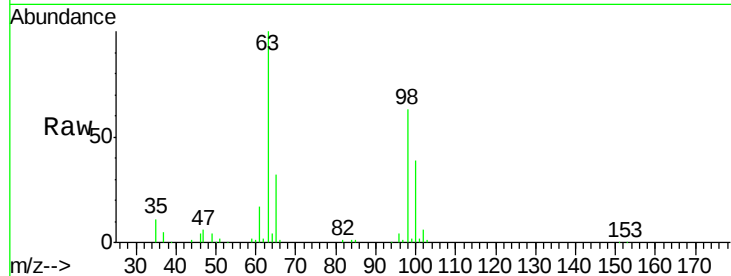
Tot Ion: 96 Resp: 2341

Ion Ratio Lower Upper

96 100

61 432.0 117.2 217.8#

63 2515.4 90.9 168.9#



#16

Methylene chloride

Concen: 6.231 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU037576.D

Acq: 03 Apr 2020 19:02

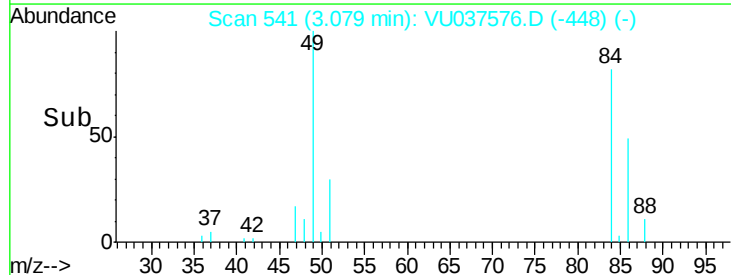
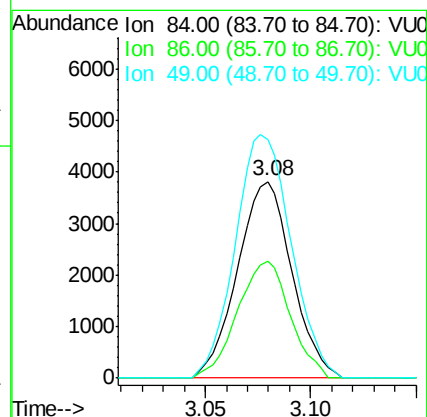
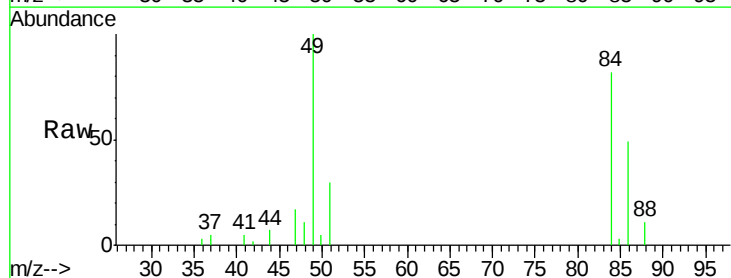
Tgt Ion: 84 Resp: 6846

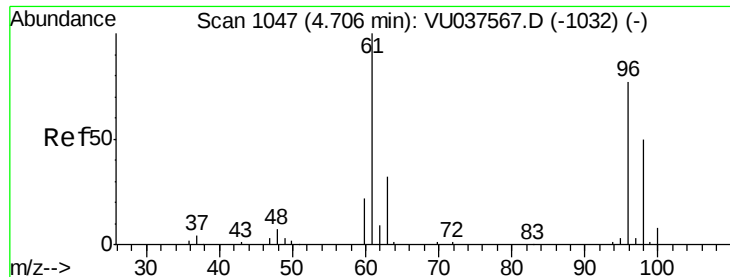
Ion Ratio Lower Upper

84 100

86 59.6 44.8 83.2

49 121.4 89.7 166.5

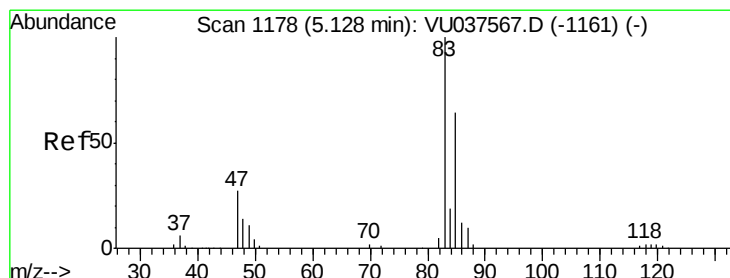
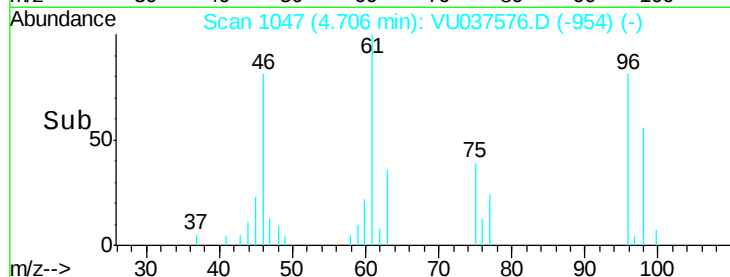
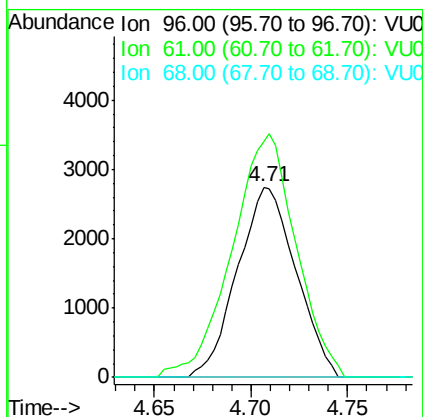
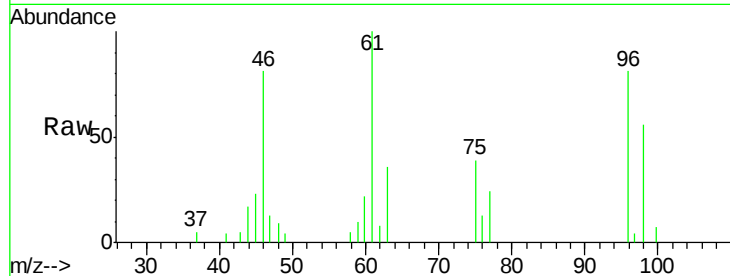




#20
 cis-1,2-Dichloroethene
 Concen: 5.144 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037576.D
 Acq: 03 Apr 2020 19:02

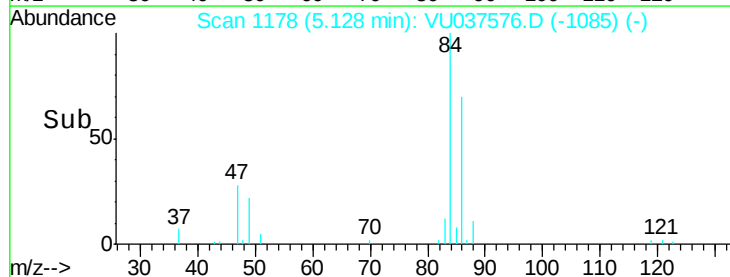
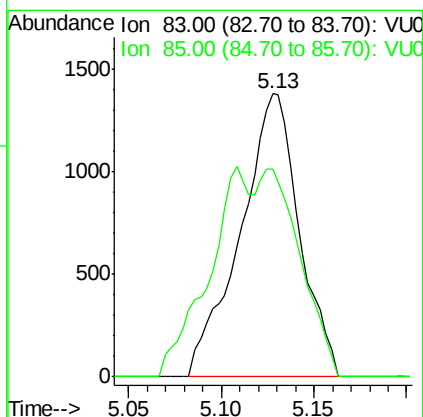
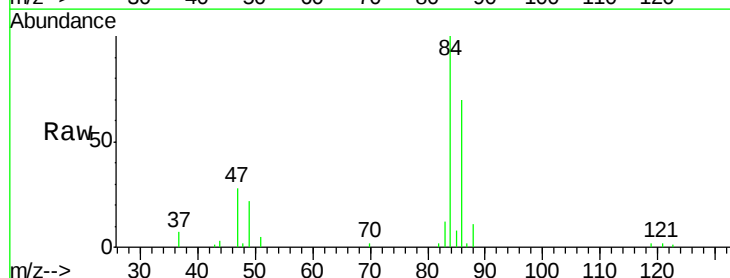
Instrument :
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 ClientSampleId :
 C0F02

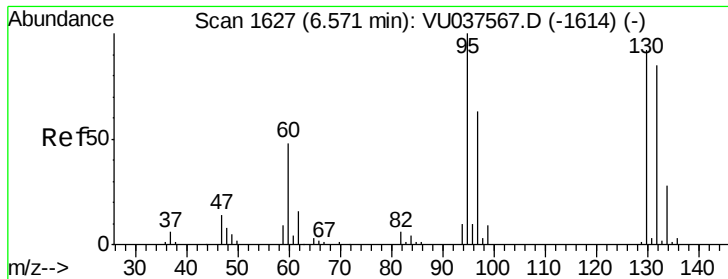
Tot Ion: 96 Resp: 5778
 Ion Ratio Lower Upper
 96 100
 61 124.0 90.2 167.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.529 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU037576.D
 Acq: 03 Apr 2020 19:02

Tgt Ion: 83 Resp: 3046
 Ion Ratio Lower Upper
 83 100
 85 73.4 43.7 81.1





#34

Trichloroethene

Concen: 132.380 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037576.D

Acq: 03 Apr 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

C0F02

Tot Ion: 95 Resp: 145928

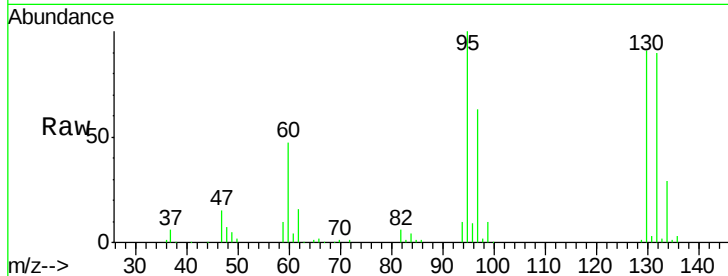
Ion Ratio Lower Upper

95 100

97 63.3 45.2 84.0

132 89.5 63.7 118.3

130 91.2 64.5 119.7

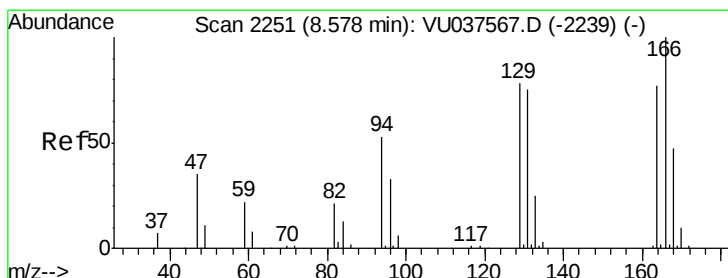
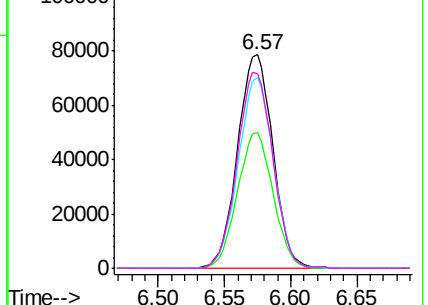
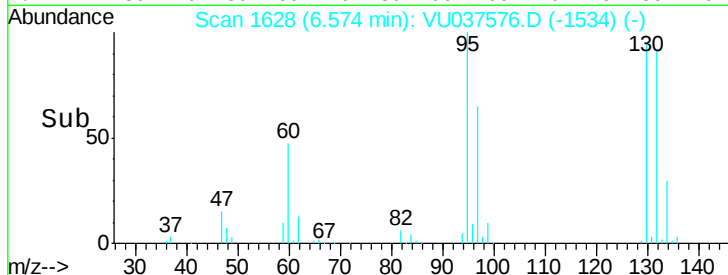


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 4.060 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037576.D

Acq: 03 Apr 2020 19:02

Tgt Ion: 164 Resp: 3005

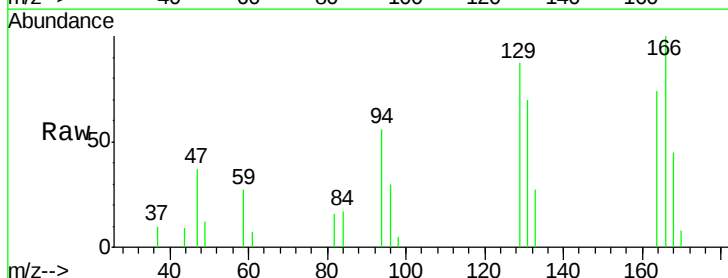
Ion Ratio Lower Upper

164 100

129 116.4 76.5 142.1

131 94.4 71.7 133.1

166 134.3 88.8 165.0

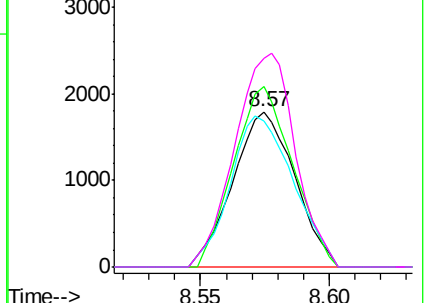
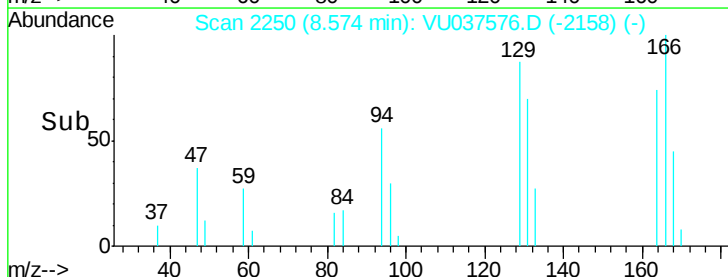


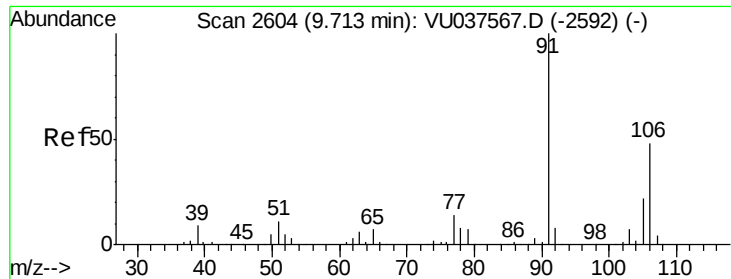
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#53

m,p-Xylene

Concen: 0.910 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU037576.D

Acq: 03 Apr 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

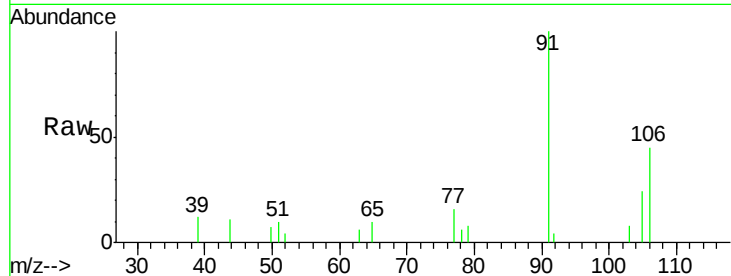
C0F02

Tot Ion:106 Resp: 1752

Ion Ratio Lower Upper

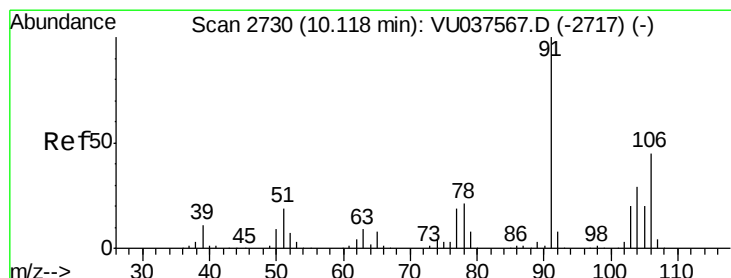
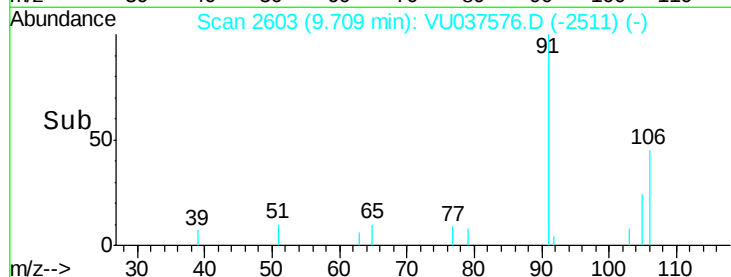
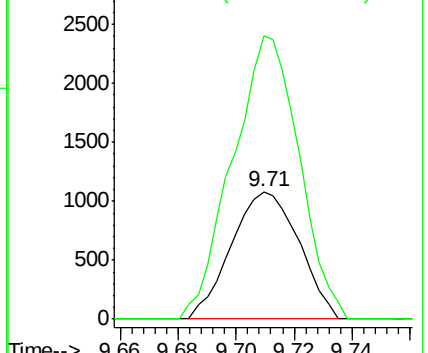
106 100

91 221.8 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 1.163 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU037576.D

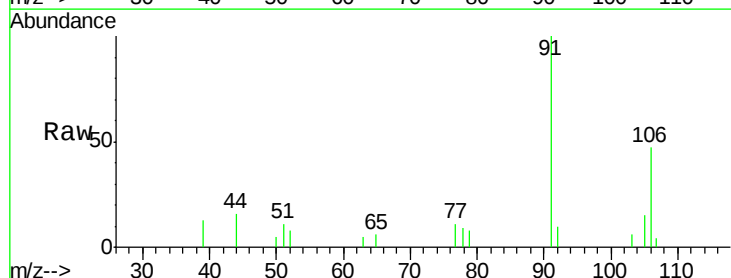
Acq: 03 Apr 2020 19:02

Tgt Ion:106 Resp: 2158

Ion Ratio Lower Upper

106 100

91 214.2 152.6 283.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

