

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037576.D
 Acq On : 03 Apr 2020 19:02
 Operator : JC/MD
 Sample : L2158-04 50X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0F02

Quant Time: Apr 04 05:26:09 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
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	815	0.873 ug/L #	40
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
35) Methylcyclohexane	6.73	83	16928	9.939 ug/L #	20
37) 1,2-Dichloropropane	6.72	63	8348	6.950 ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2640	1.407 ug/L #	79
46) Tetrachloroethene	8.57	164	3005	4.060 ug/L	93
49) Dibromochloromethane	8.57	129	3343	2.733 ug/L #	10
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
59) 1,2,3-Trichloropropane	11.83	75	11472	7.429 ug/L	96
69) Naphthalene	14.12	128	4690	0.774 ug/L #	96

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Quant Title : VOC Analysis
QLast Update : Sat Apr 04 05:18:00 2020
Response via : Initial Calibration

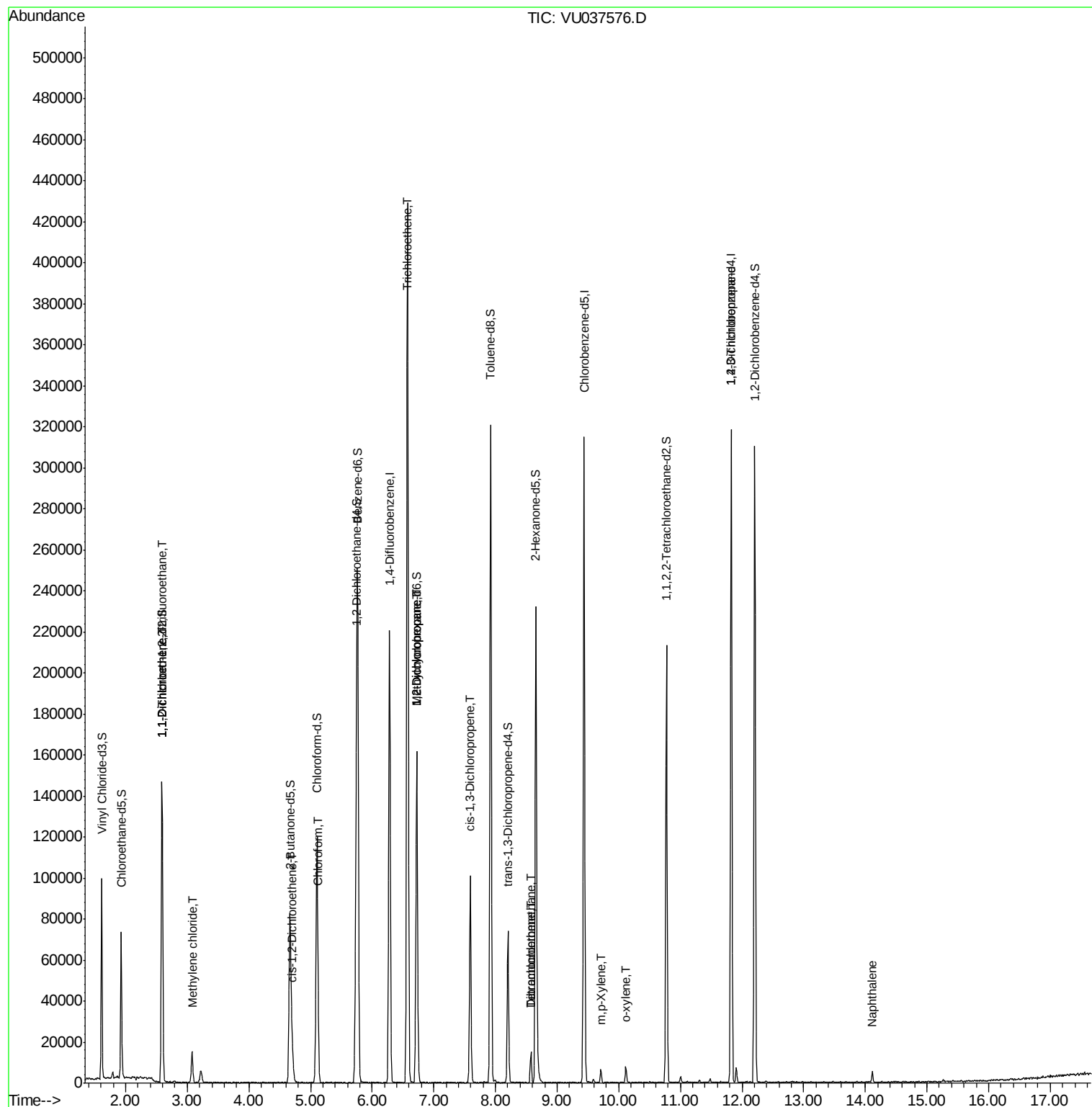
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

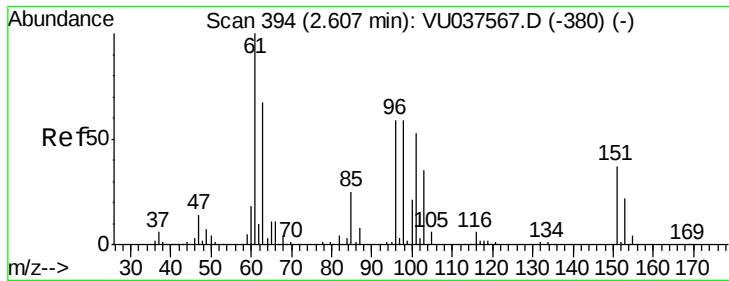
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.873 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU037576.D

Acq: 03 Apr 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

C0F02

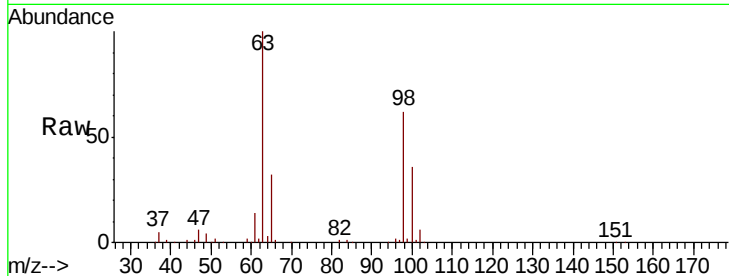
Tot Ion:101 Resp: 815

Ion Ratio Lower Upper

101 100

85 24.2 35.4 53.2#

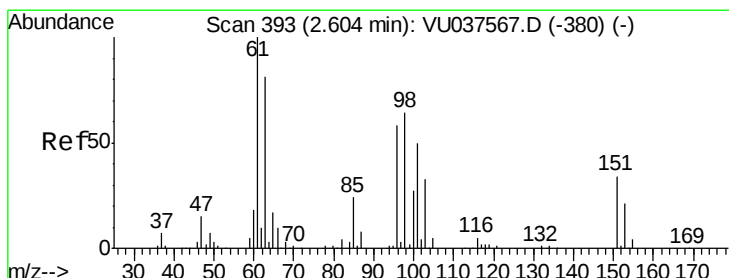
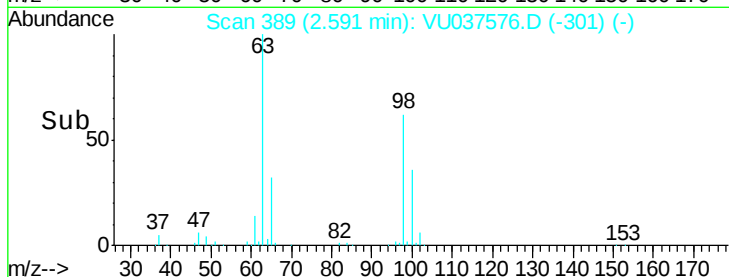
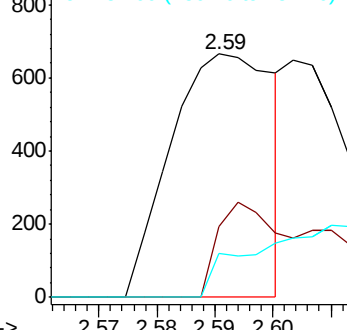
151 5.5 55.3 82.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#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

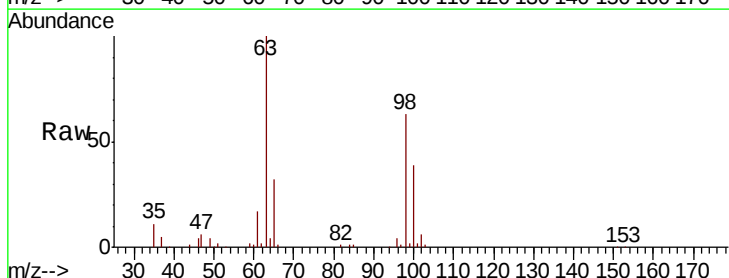
Tgt Ion: 96 Resp: 2341

Ion Ratio Lower Upper

96 100

61 432.0 117.2 217.8#

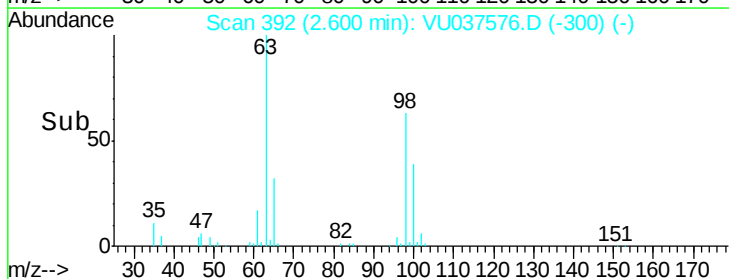
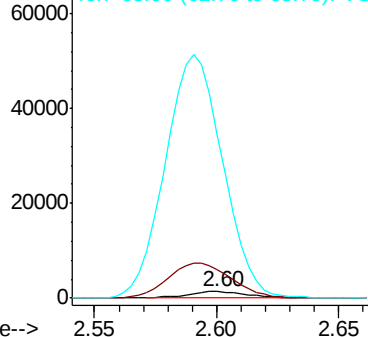
63 2515.4 90.9 168.9#

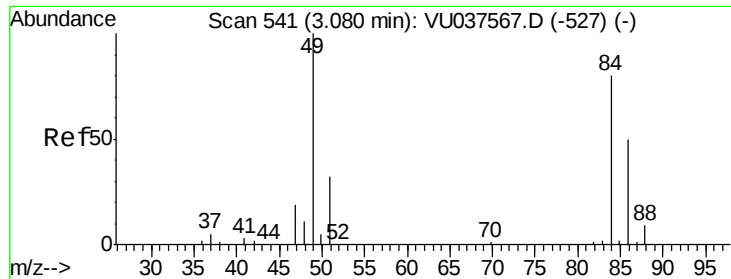


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

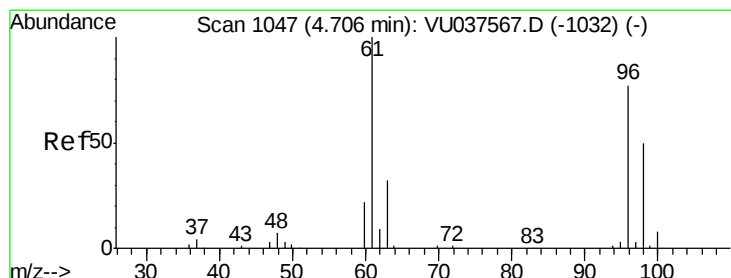
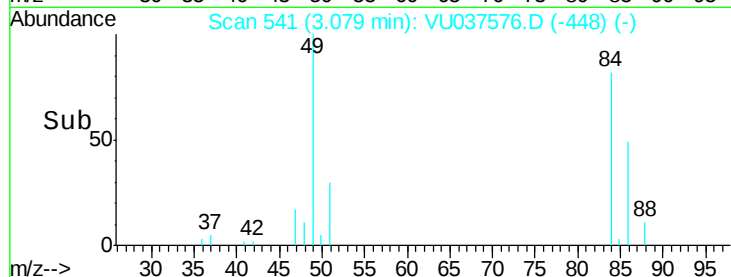
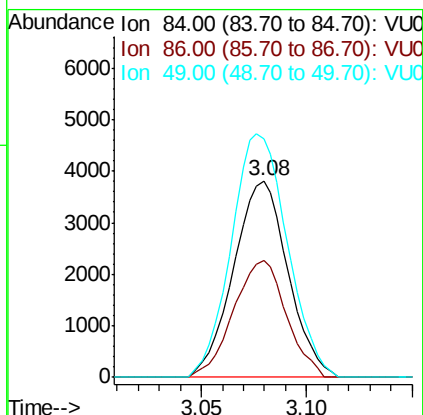
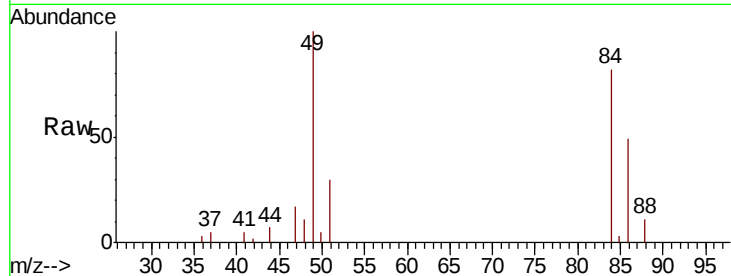




#16
Methvlene chloride
Concen: 6.231 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU037576.D
Acq: 03 Apr 2020 19:02

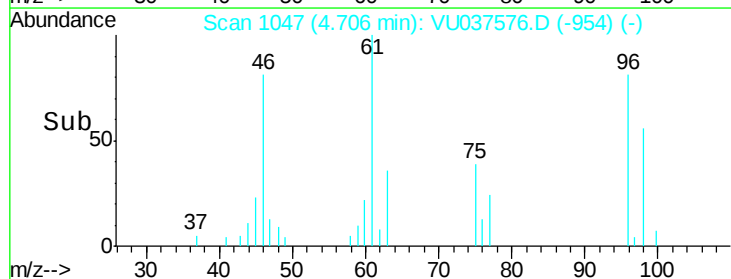
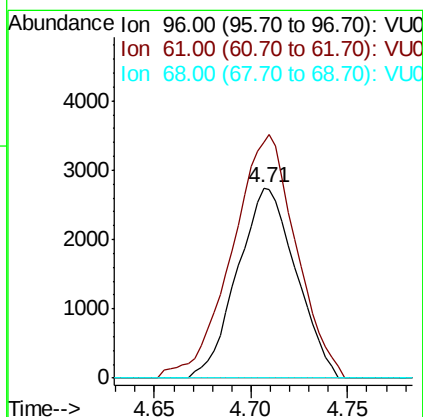
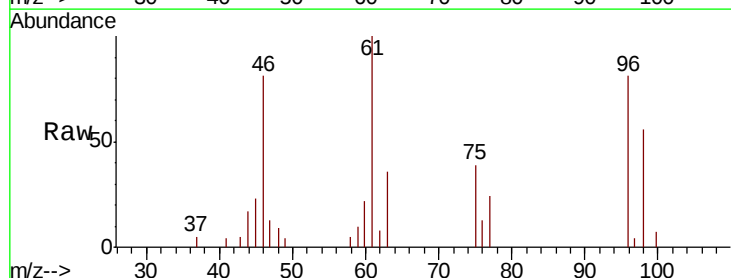
Instrument :
MSVOA_U
ClientSampled :
C0F02

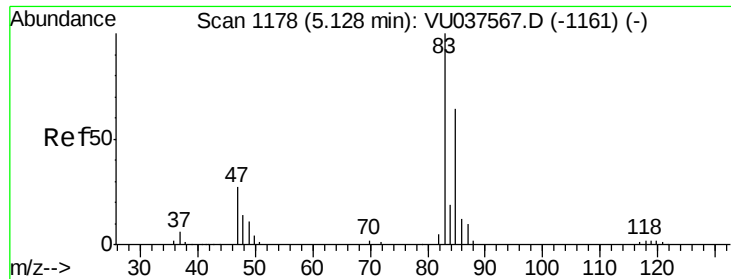
Tot Ion: 84 Resp: 6846
Ion Ratio Lower Upper
84 100
86 59.6 44.8 83.2
49 121.4 89.7 166.5



#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

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

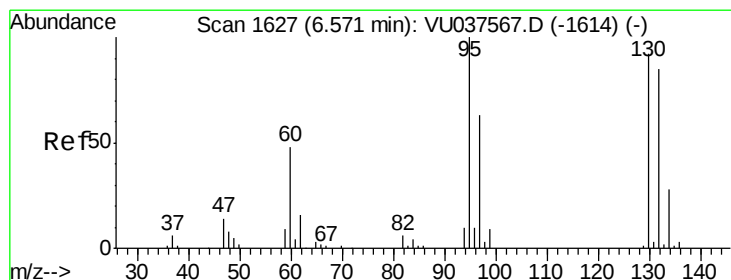
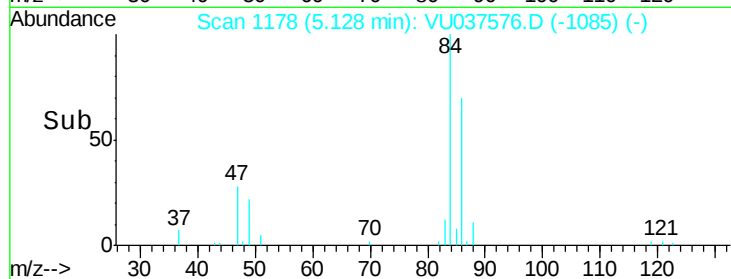
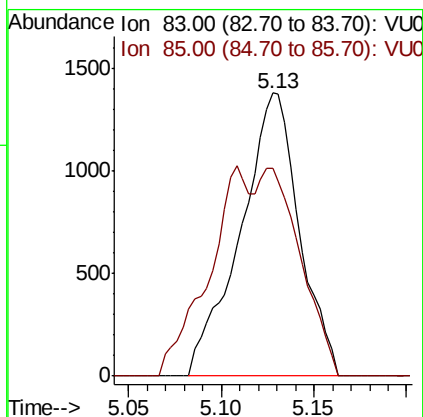
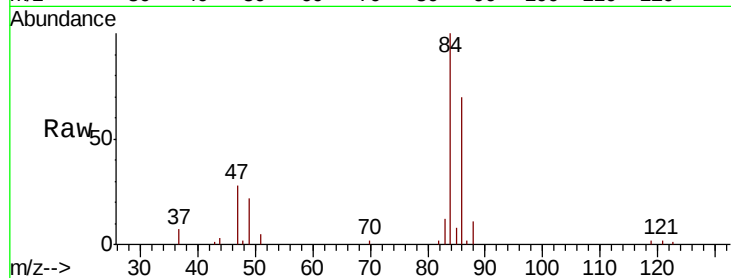




#25
Chloroform
Concen: 1.529 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037576.D
Acq: 03 Apr 2020 19:02

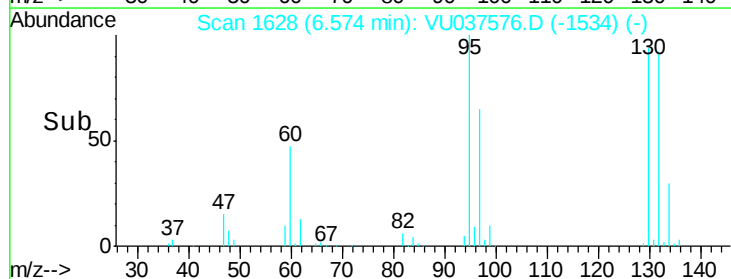
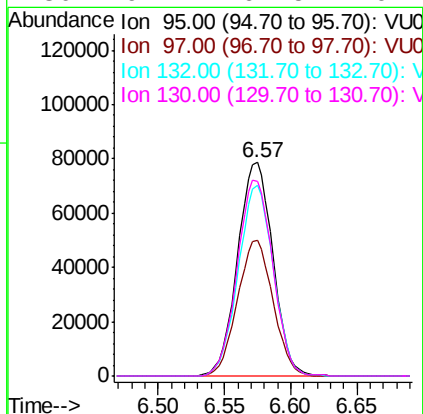
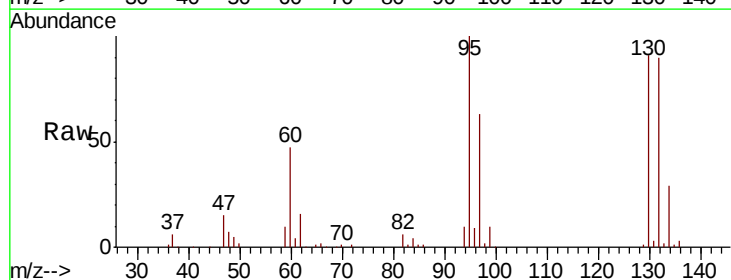
Instrument :
MSVOA_U
ClientSampleId :
C0F02

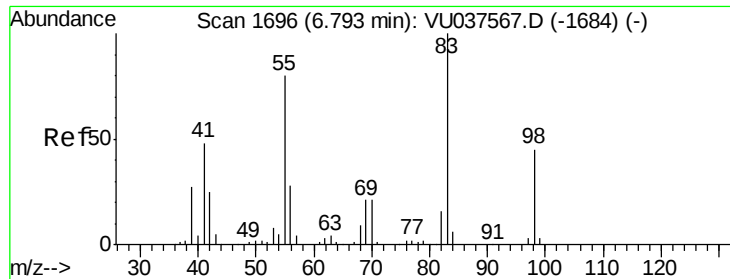
Tot Ion: 83 Resp: 3046
Ion Ratio Lower Upper
83 100
85 73.4 43.7 81.1



#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

Tgt 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





#35

Methylcyclohexane

Concen: 9.939 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.07 min

Lab File: VU037576.D

Acq: 03 Apr 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

C0F02

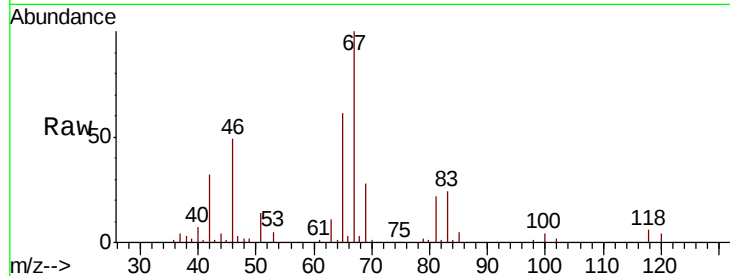
Tot Ion: 83 Resp: 16928

Ion Ratio Lower Upper

83 100

55 0.3 61.1 91.7#

98 1.1 35.3 52.9#

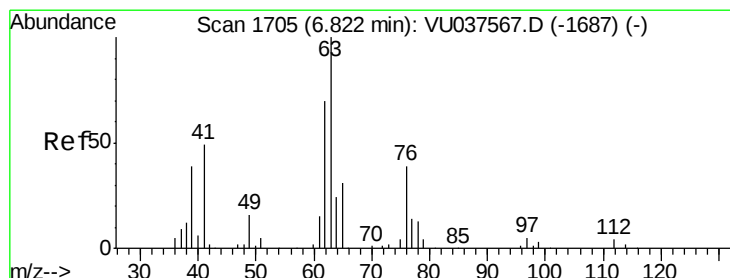
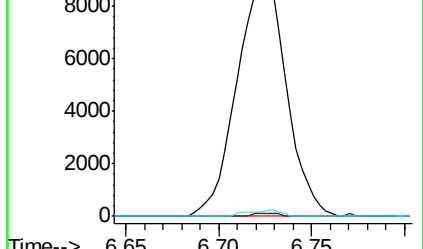
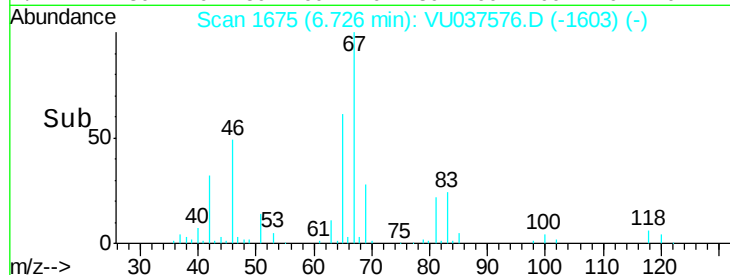


Abundance Ion 83.00 (82.70 to 83.70): VU037576.D (-1603) (-)

Ion 55.00 (54.70 to 55.70): VU037576.D (-1603) (-)

Ion 98.00 (97.70 to 98.70): VU037576.D (-1603) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 6.950 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037576.D

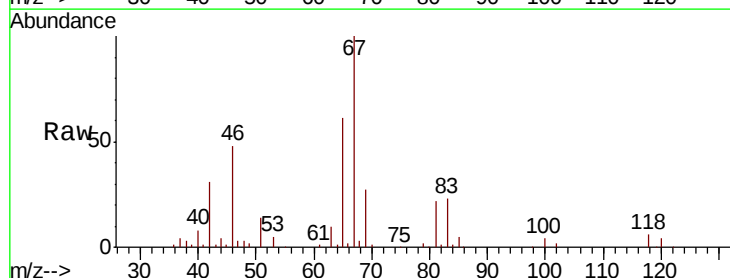
Acq: 03 Apr 2020 19:02

Tgt Ion: 63 Resp: 8348

Ion Ratio Lower Upper

63 100

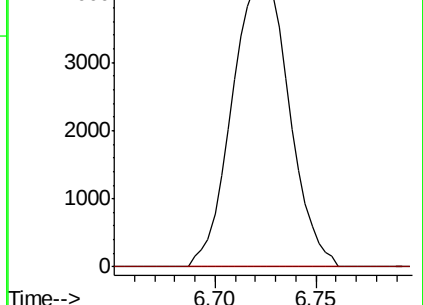
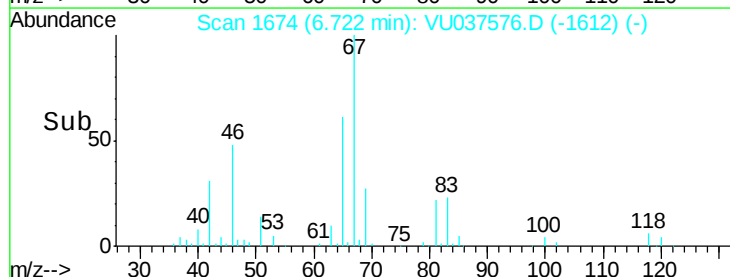
112 0.0 3.1 4.7#

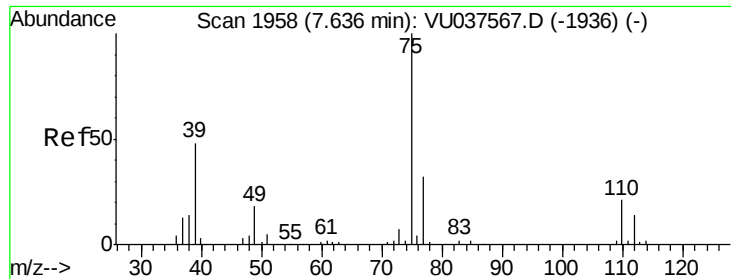


Abundance Ion 63.00 (62.70 to 63.70): VU037576.D (-1612) (-)

Ion 112.00 (111.70 to 112.70): VU037576.D (-1612) (-)

Time-->



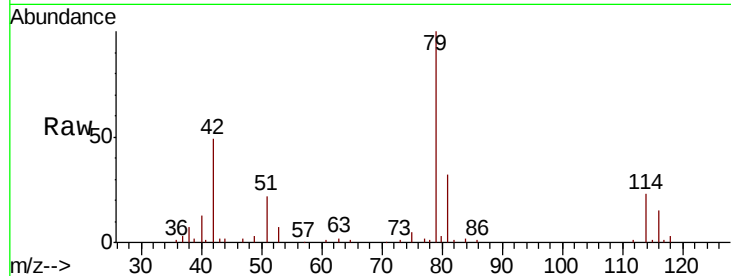


#39

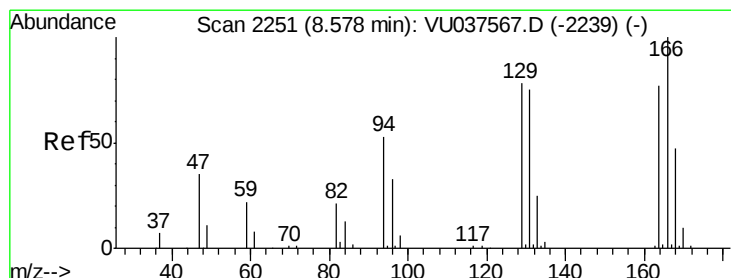
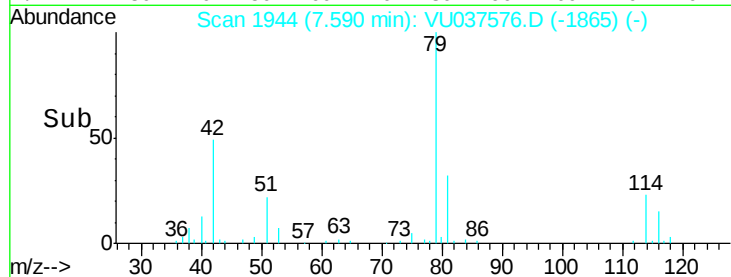
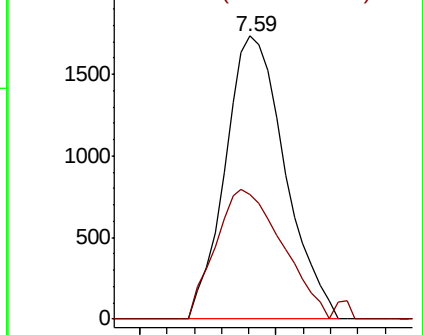
cis-1,3-Dichloropropene
Concen: 1.407 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.05 min
Lab File: VU037576.D
Acq: 03 Apr 2020 19:02

Instrument :
MSVOA_U
ClientSampleId :
C0F02

Tot Ion: 75 Resp: 2640
Ion Ratio Lower Upper
75 100
77 44.0 22.5 41.7#



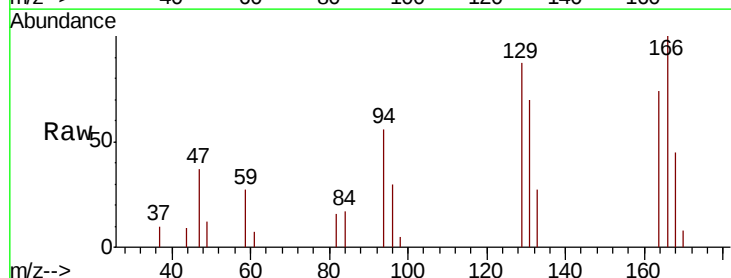
Abundance Ion 75.00 (74.70 to 75.70): VU037576.D (-1865) (-)
Ion 77.00 (76.70 to 77.70): VU037576.D (-1865) (-)



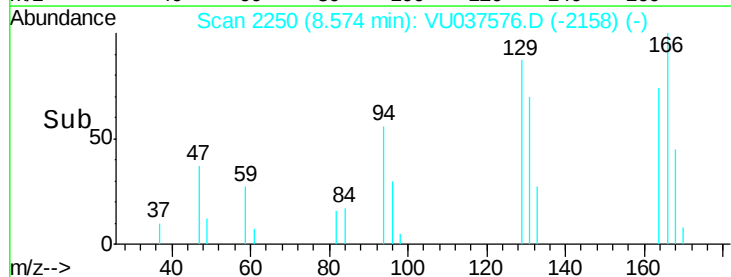
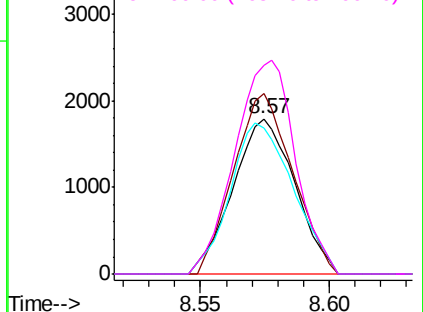
#46

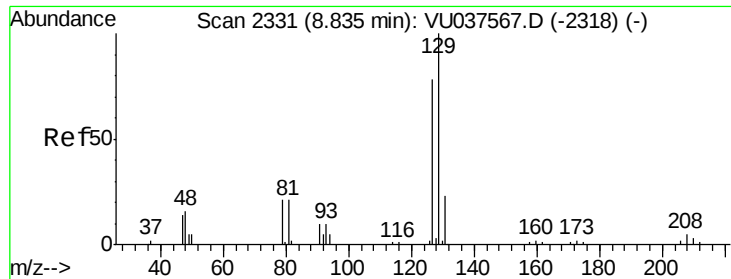
Tetrachloroethene
Concen: 4.060 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037576.D
Acq: 03 Apr 2020 19:02

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): VU037576.D (-2158) (-)
Ion 129.00 (128.70 to 129.70): VU037576.D (-2158) (-)
Ion 131.00 (130.70 to 131.70): VU037576.D (-2158) (-)
Ion 166.00 (165.70 to 166.70): VU037576.D (-2158) (-)





#49

Dibromochloromethane

Concen: 2.733 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037576.D

Acq: 03 Apr 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

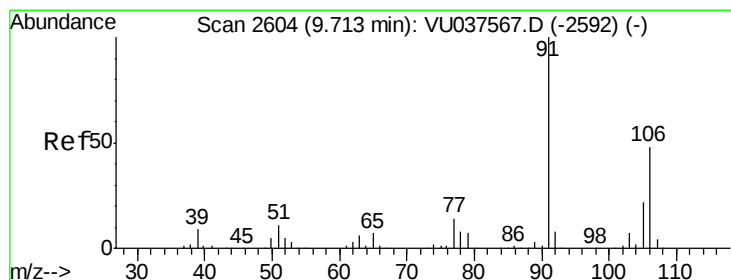
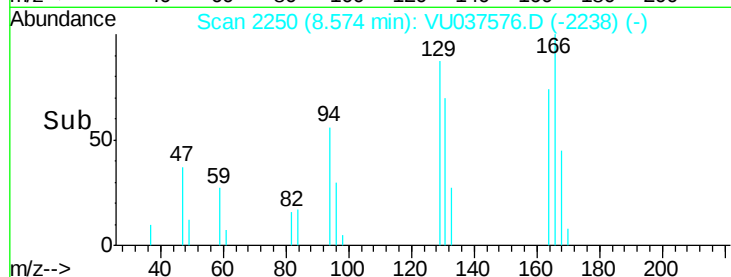
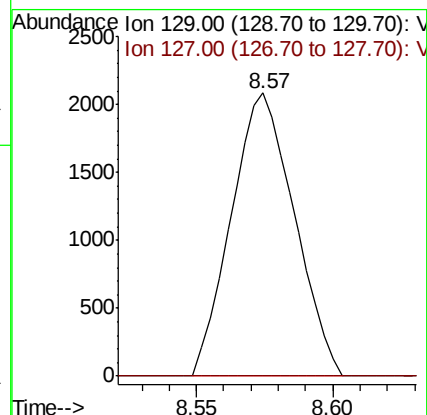
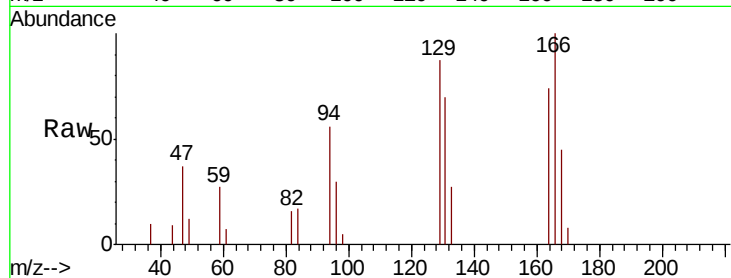
C0F02

Tot Ion:129 Resp: 3343

Ion Ratio Lower Upper

129 100

127 0.0 55.0 102.2#



#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

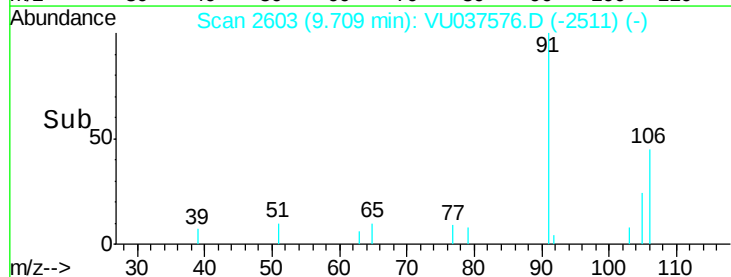
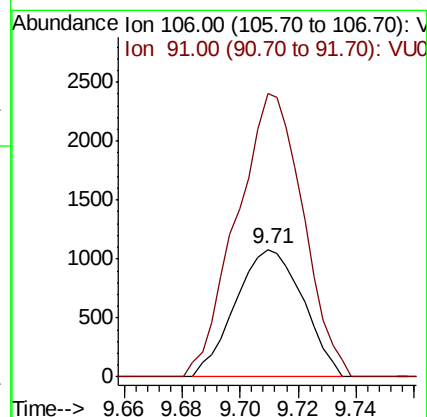
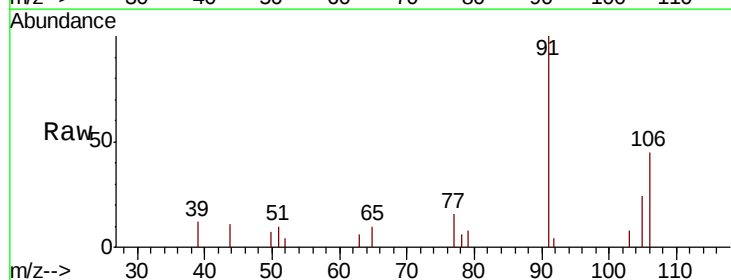
Acq: 03 Apr 2020 19:02

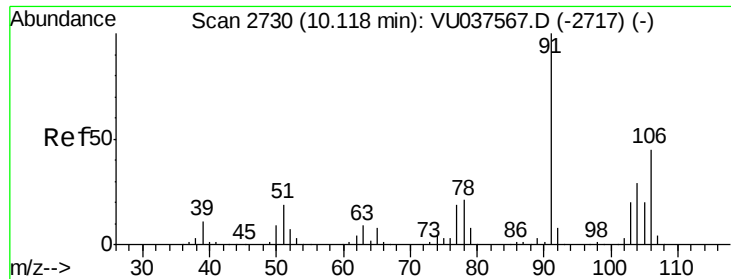
Tgt Ion:106 Resp: 1752

Ion Ratio Lower Upper

106 100

91 221.8 148.8 276.4





#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

Instrument :

MSVOA_U

ClientSampleId :

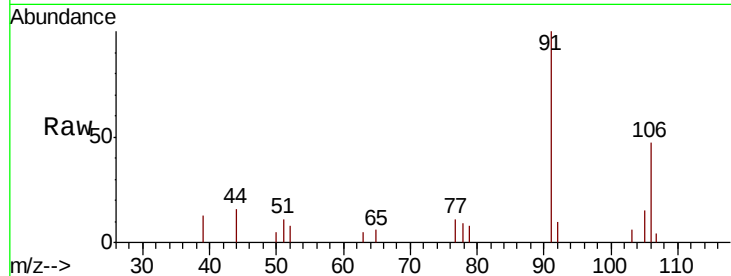
C0F02

Tot Ion:106 Resp: 2158

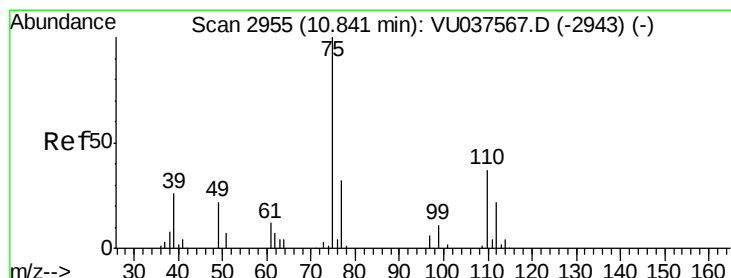
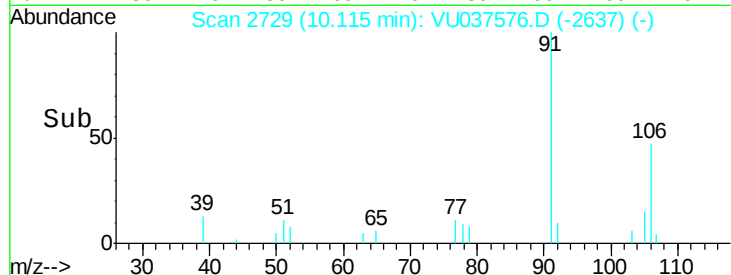
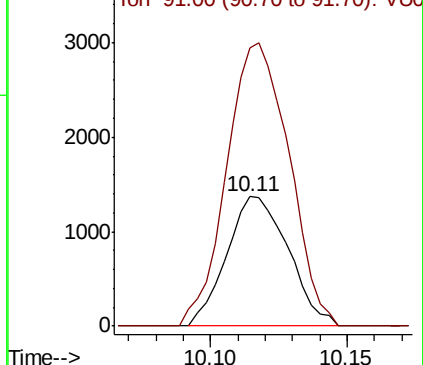
Ion Ratio Lower Upper

106 100

91 214.2 152.6 283.4



Abundance Ion 106.00 (105.70 to 106.70): VU037576.D (-2637) (-)



#59

1,2,3-Trichloropropane

Concen: 7.429 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037576.D

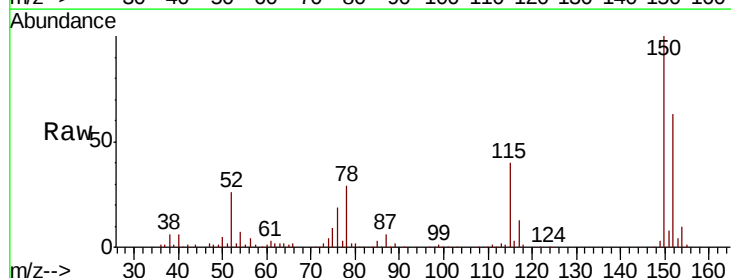
Acq: 03 Apr 2020 19:02

Tgt Ion: 75 Resp: 11472

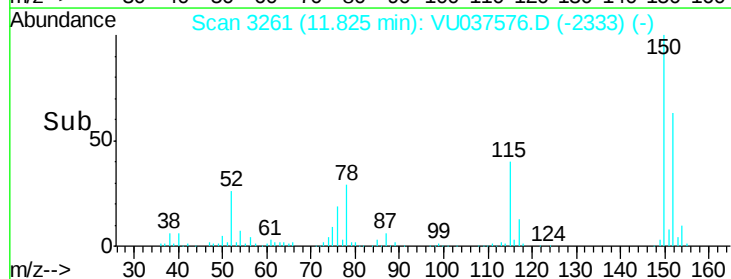
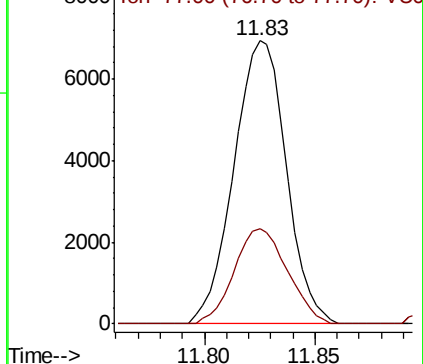
Ion Ratio Lower Upper

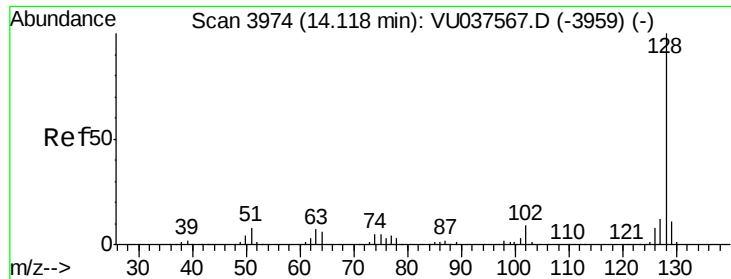
75 100

77 34.2 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU037576.D (-2333) (-)





#69

Naphthalene

Concen: 0.774 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU037576.D

Acq: 03 Apr 2020 19:02

Instrument :

MSVOA_U

ClientSampleId :

C0F02

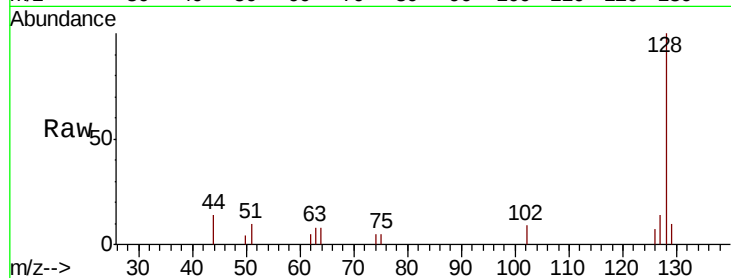
Tot Ion:128 Resp: 4690

Ion Ratio Lower Upper

128 100

127 10.2 10.2 15.4#

129 9.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

