

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
 Data File : VU036620.D
 Acq On : 30 Jan 2020 15:37
 Operator : JC/MD
 Sample : L1322-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XS1

Quant Time: Jan 30 15:58:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 30 12:57:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	293715	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	276349	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	125335	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	94444	42.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.86%
7) Chloroethane-d5	1.93	69	84501	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.54%
11) 1,1-Dichloroethene-d2	2.59	63	123321	34.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.34%
21) 2-Butanone-d5	4.67	46	143935	110.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.23%
24) Chloroform-d	5.11	84	161436	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.62%
26) 1,2-Dichloroethane-d4	5.75	65	107784	48.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.00%
32) Benzene-d6	5.77	84	376954	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.98%
36) 1,2-Dichloropropane-d6	6.73	67	119588	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.74%
41) Toluene-d8	7.93	98	356333	47.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.30%
43) trans-1,3-Dichloropropene-	8.21	79	55715	48.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.72%
47) 2-Hexanone-d5	8.67	63	128603	114.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.48%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	174775	49.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.14%
64) 1,2-Dichlorobenzene-d4	12.21	152	131086	48.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.48%

Target Compounds

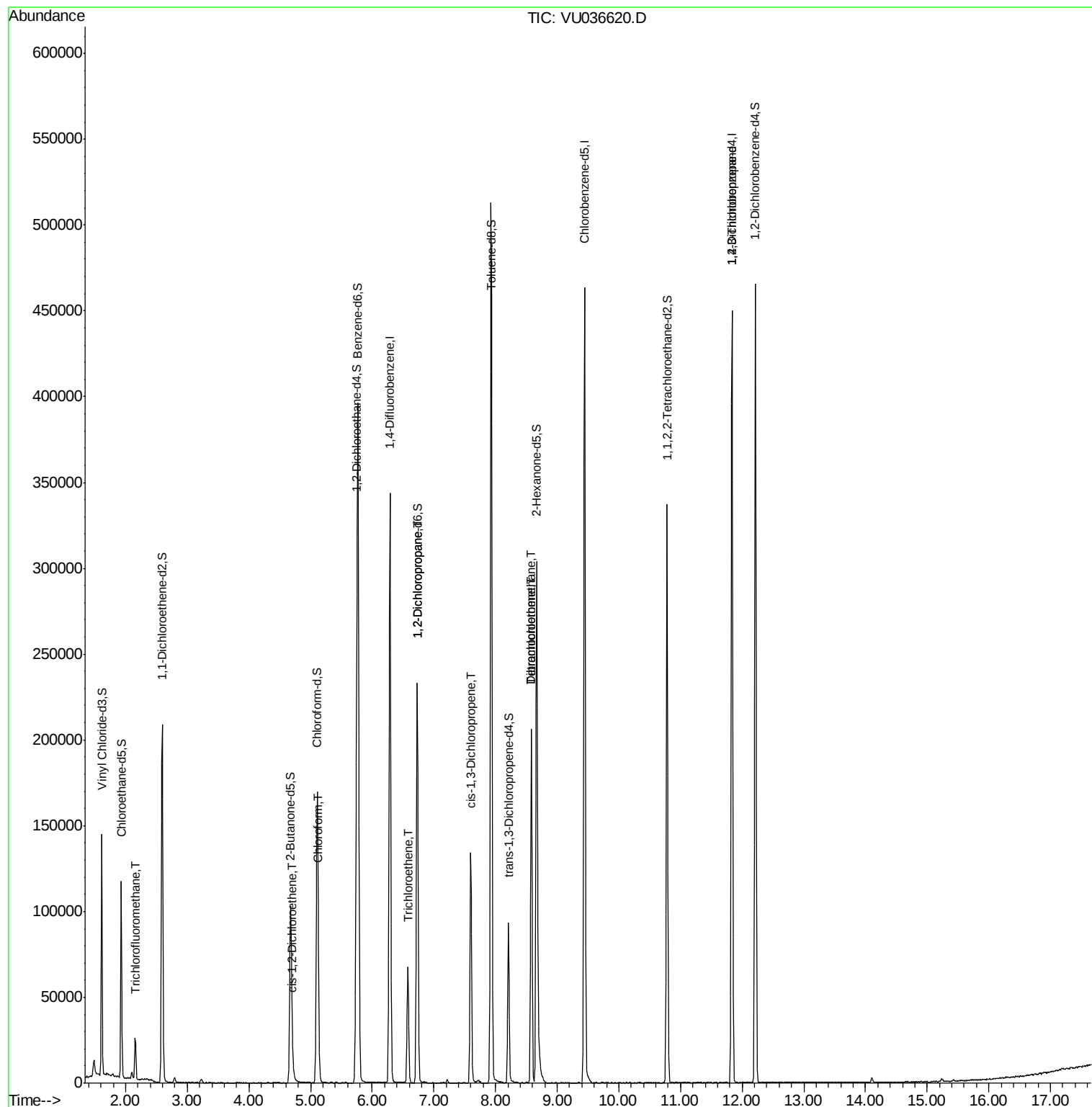
						Qvalue
9) Trichlorofluoromethane	2.16	101	16104	5.39	ug/L	96
20) cis-1,2-Dichloroethene	4.72	96	2001	0.90	ug/L	100
25) Chloroform	5.13	83	8613	2.40	ug/L	92
34) Trichloroethene	6.58	95	23094	10.86	ug/L	97
37) 1,2-Dichloropropane	6.73	63	11788	5.61	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2957	0.87	ug/L #	63
46) Tetrachloroethene	8.58	164	48751	28.22	ug/L	98
49) Dibromochloromethane	8.58	129	44833	20.11	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	14173	4.99	ug/L	94

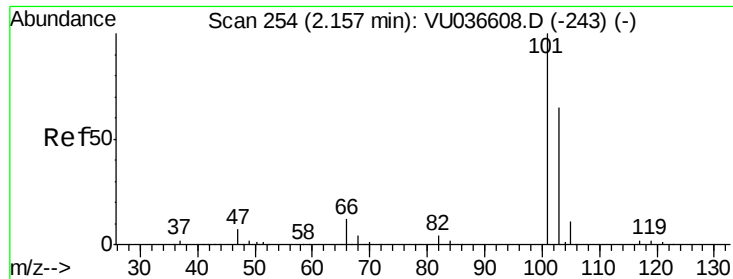
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 5.39 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036620.D

Acq: 30 Jan 2020 15:37

Instrument :

MSVOA_U

ClientSampled :

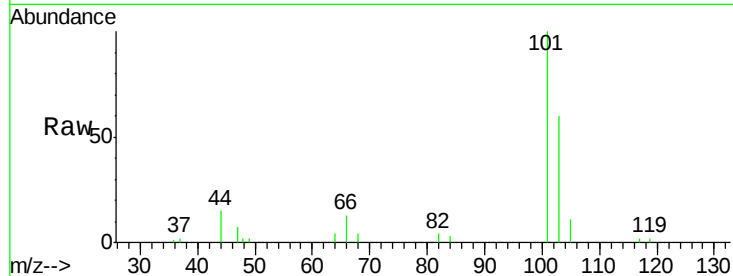
C0XS1

Tgt Ion:101 Resp: 16104

Ion Ratio Lower Upper

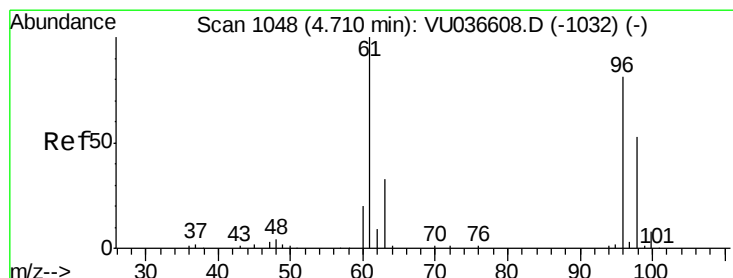
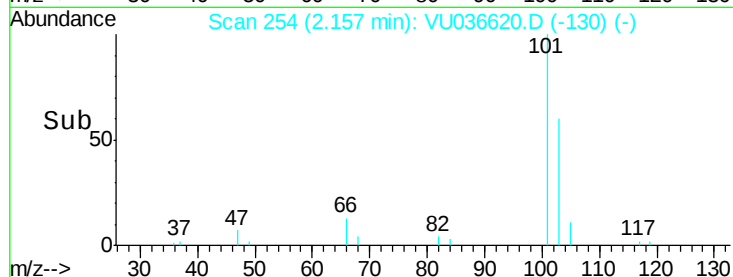
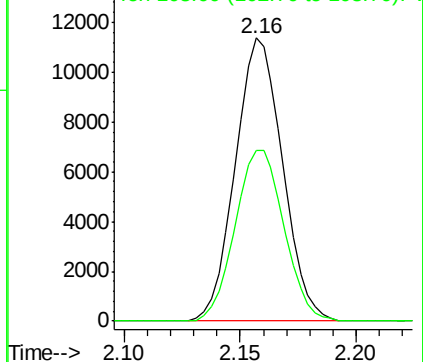
101 100

103 62.3 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#20

cis-1,2-Dichloroethene

Concen: 0.90 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VU036620.D

Acq: 30 Jan 2020 15:37

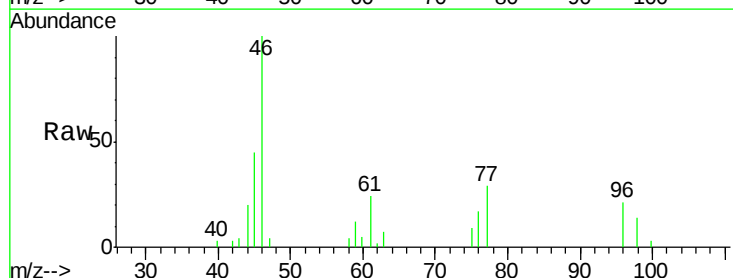
Tgt Ion: 96 Resp: 2001

Ion Ratio Lower Upper

96 100

61 117.8 82.2 152.6

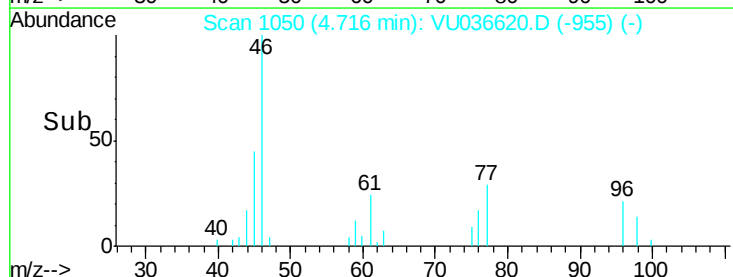
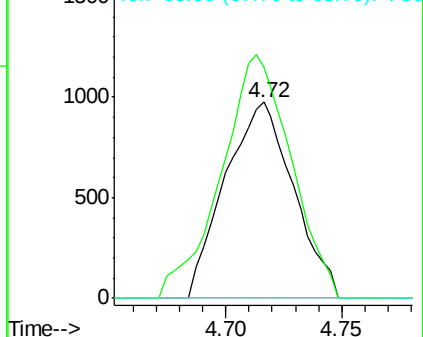
68 0.0 0.0 0.0

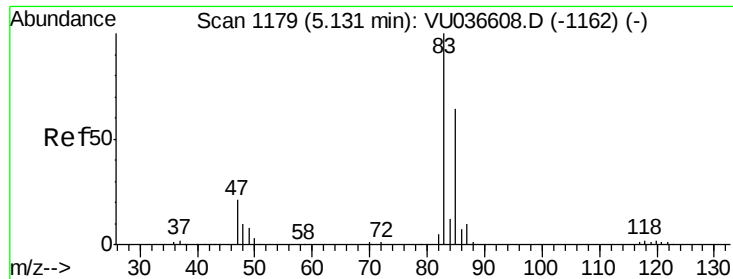


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0

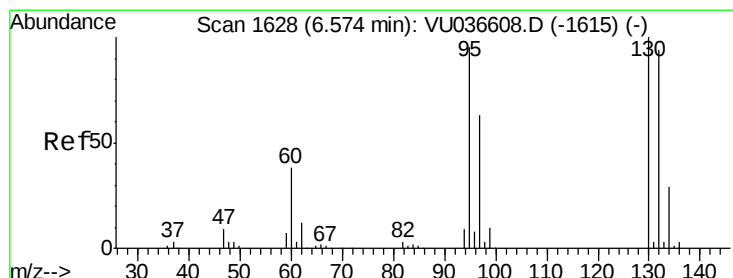
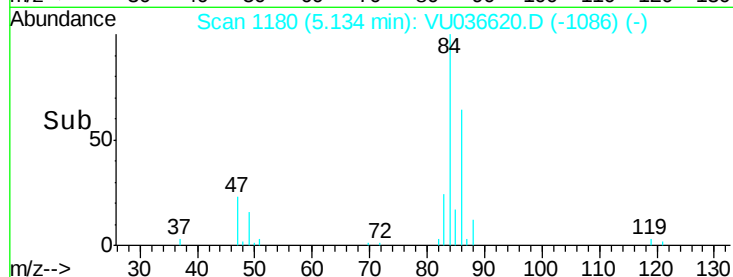
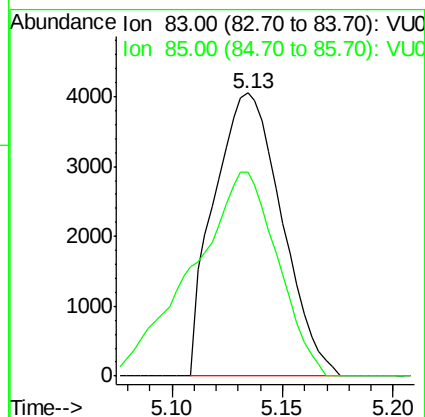
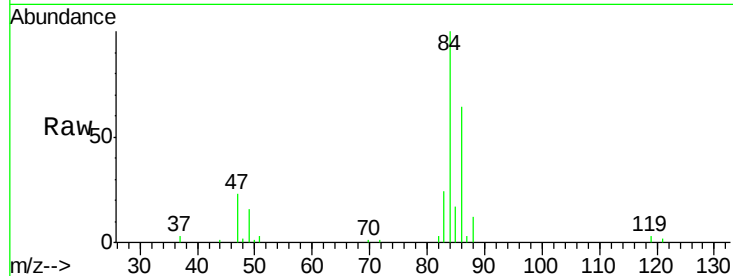




#25
Chloroform
Concen: 2.40 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036620.D
Acq: 30 Jan 2020 15:37

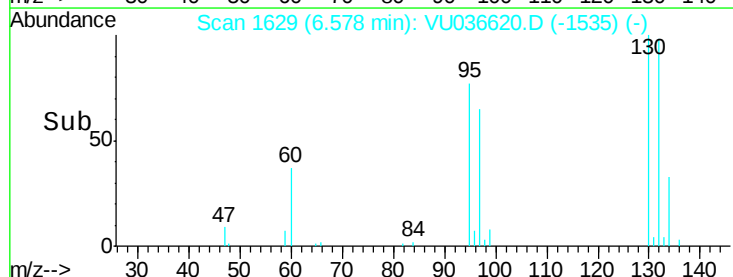
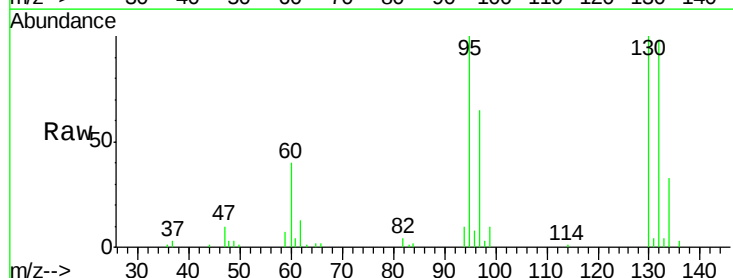
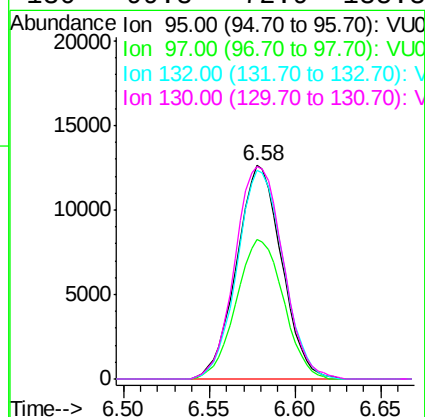
Instrument :
MSVOA_U
ClientSampleId :
C0XS1

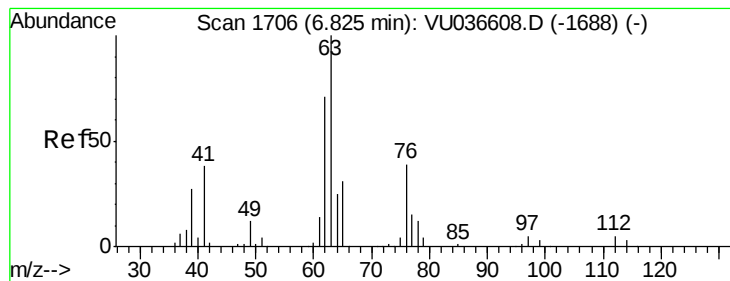
Tgt Ion: 83 Resp: 8613
Ion Ratio Lower Upper
83 100
85 72.1 46.3 85.9



#34
Trichloroethene
Concen: 10.86 ug/L
RT: 6.58 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VU036620.D
Acq: 30 Jan 2020 15:37

Tgt Ion: 95 Resp: 23094
Ion Ratio Lower Upper
95 100
97 65.0 45.5 84.5
132 97.8 70.9 131.7
130 99.8 72.9 135.3





#37

1,2-Dichloropropane

Concen: 5.61 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036620.D

Acq: 30 Jan 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

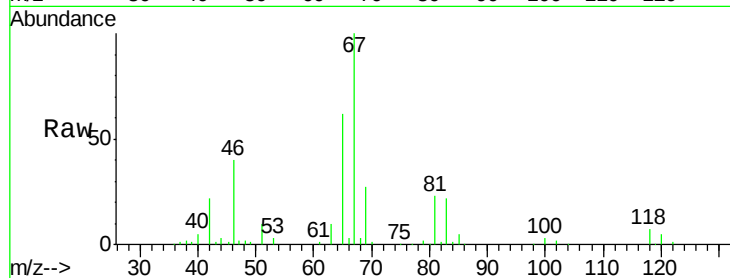
C0XS1

Tgt Ion: 63 Resp: 11788

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU036620.D (-1676) (-)

Ion 112.00 (111.70 to 112.70): VU036620.D (-1676) (-)

6.73

6000

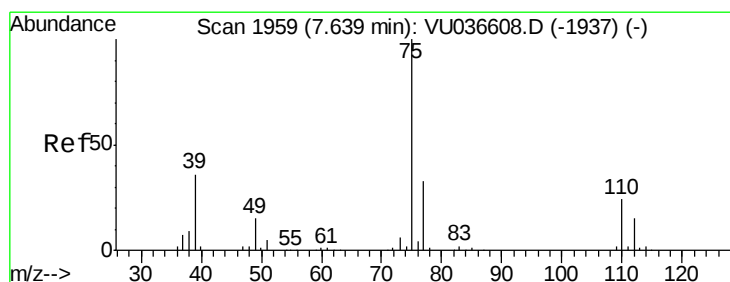
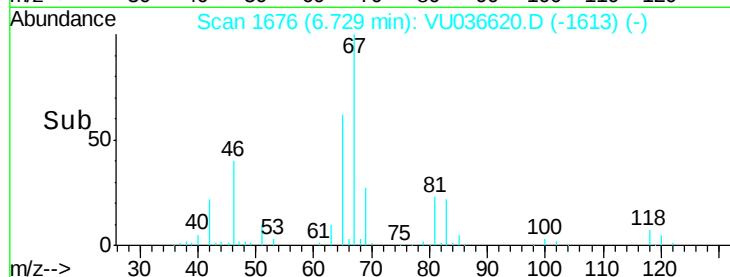
4000

2000

0

Time-->

6.65 6.70 6.75 6.80



#39

cis-1,3-Dichloropropene

Concen: 0.87 ug/L

RT: 7.60 min Scan# 1946

Delta R.T. -0.04 min

Lab File: VU036620.D

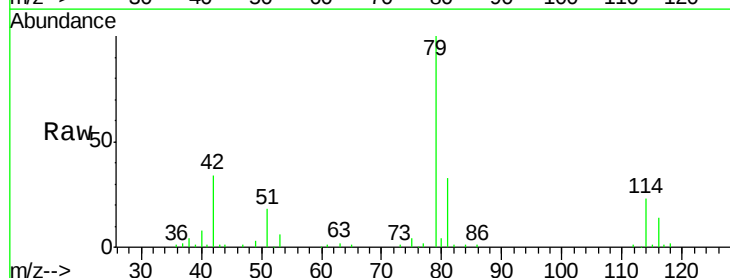
Acq: 30 Jan 2020 15:37

Tgt Ion: 75 Resp: 2957

Ion Ratio Lower Upper

75 100

77 53.1 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VU036620.D (-1866) (-)

Ion 77.00 (76.70 to 77.70): VU036620.D (-1866) (-)

7.60

2000

1500

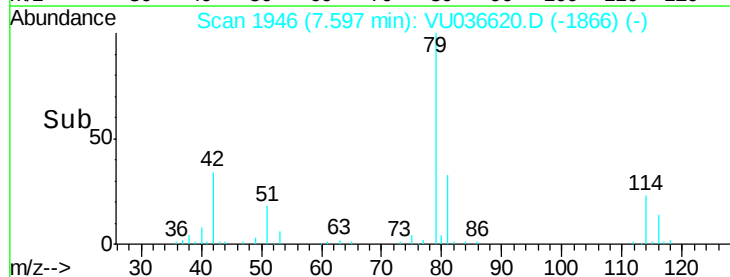
1000

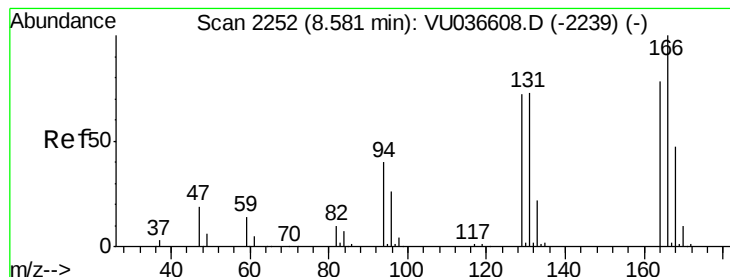
500

0

Time-->

7.55 7.60 7.65





#46

Tetrachloroethene

Concen: 28.22 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036620.D

Acq: 30 Jan 2020 15:37

Instrument :

MSVOA_U

ClientSampleId :

C0XS1

Tgt Ion:164 Resp: 48751

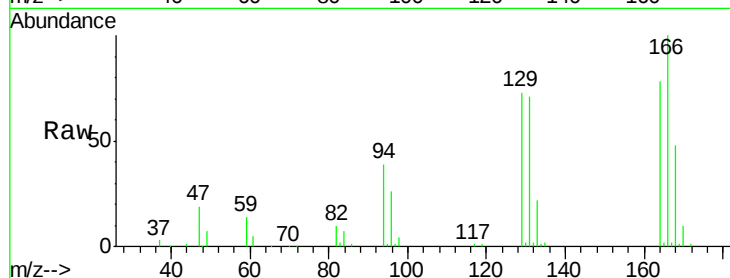
Ion Ratio Lower Upper

164 100

129 93.9 64.2 119.2

131 90.7 61.8 114.8

166 127.8 88.8 165.0

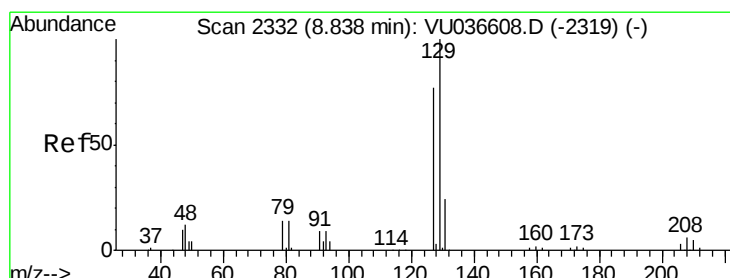
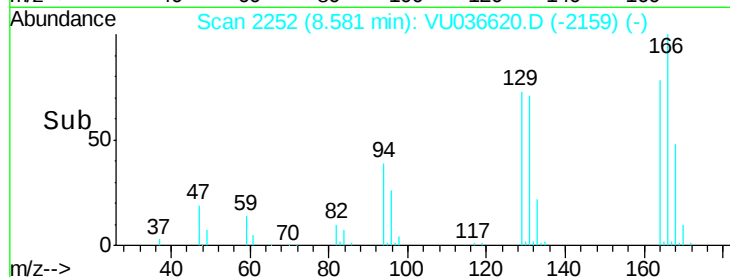
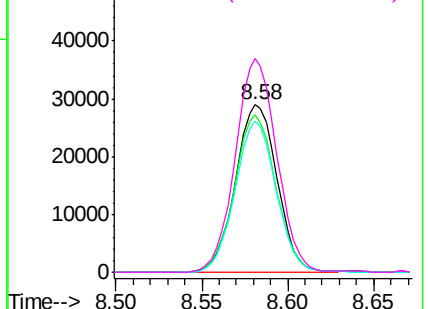


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

Dibromochloromethane

Concen: 20.11 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.26 min

Lab File: VU036620.D

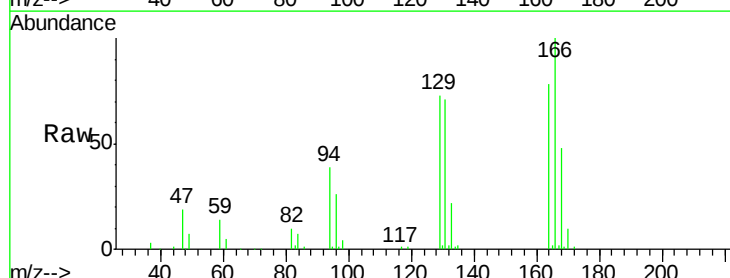
Acq: 30 Jan 2020 15:37

Tgt Ion:129 Resp: 44833

Ion Ratio Lower Upper

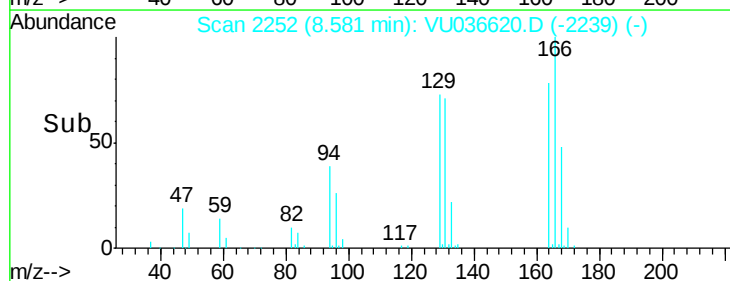
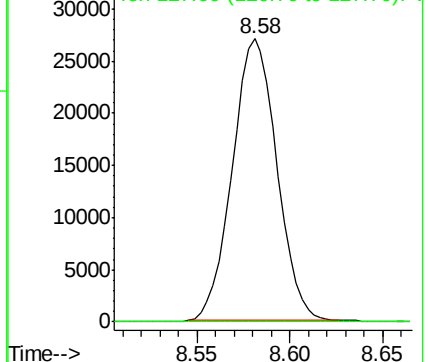
129 100

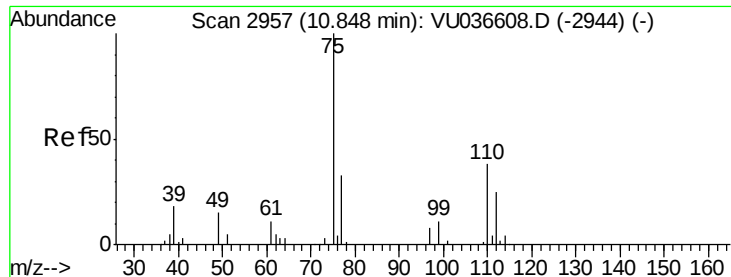
127 0.0 54.0 100.2#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59
 1,2,3-Trichloropropane
 Concen: 4.99 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.99 min
 Lab File: VU036620.D
 Acq: 30 Jan 2020 15:37

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XS1

Tgt Ion: 75 Resp: 14173
 Ion Ratio Lower Upper
 75 100
 77 36.2 26.2 39.2

