

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU013020\
 Data File : VU036621.D
 Acq On : 30 Jan 2020 16:01
 Operator : JC/MD
 Sample : L1322-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XS3

Quant Time: Jan 30 16:32:22 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	302286	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	279521	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	125886	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90753	40.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.16%
7) Chloroethane-d5	1.93	69	82862	42.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.30%
11) 1,1-Dichloroethene-d2	2.59	63	119516	32.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.30%
21) 2-Butanone-d5	4.68	46	143285	106.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.62%
24) Chloroform-d	5.11	84	158966	42.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.76%
26) 1,2-Dichloroethane-d4	5.75	65	103875	44.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.90%
32) Benzene-d6	5.77	84	365319	46.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.92%
36) 1,2-Dichloropropane-d6	6.73	67	117757	48.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.12%
41) Toluene-d8	7.93	98	347020	45.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.74%
43) trans-1,3-Dichloropropene-	8.21	79	55275	47.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.86%
47) 2-Hexanone-d5	8.66	63	127843	112.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.52%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	171594	47.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.26%
64) 1,2-Dichlorobenzene-d4	12.21	152	128369	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%

Target Compounds

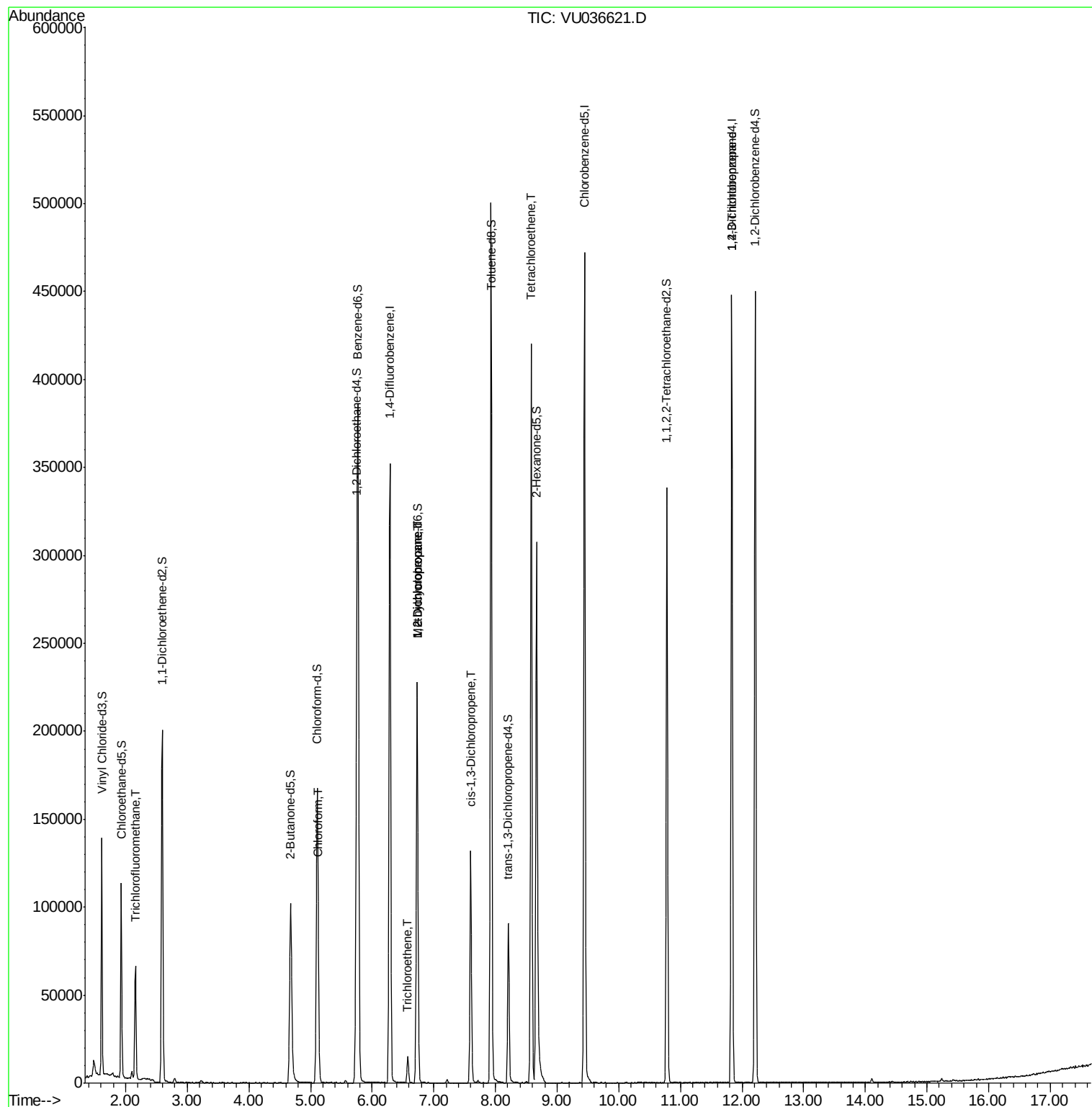
						Qvalue
9) Trichlorofluoromethane	2.16	101	41471	13.49	ug/L	100
25) Chloroform	5.13	83	8061	2.18	ug/L	99
34) Trichloroethene	6.58	95	5032	2.34	ug/L	87
35) Methylcyclohexane	6.73	83	26874	7.49	ug/L #	21
37) 1,2-Dichloropropane	6.73	63	11684	5.50	ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2841	0.83	ug/L #	60
46) Tetrachloroethene	8.58	164	98819	56.55	ug/L	98
59) 1,2,3-Trichloropropane	11.83	75	13521	4.71	ug/L	91

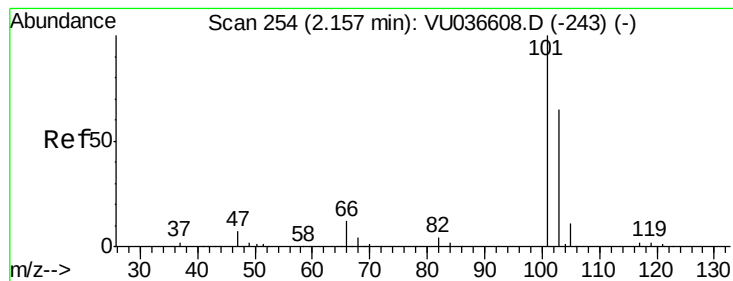
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jan 30 12:57:35 2020
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 13.49 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036621.D

Acq: 30 Jan 2020 16:01

Instrument :

MSVOA_U

ClientSampleId :

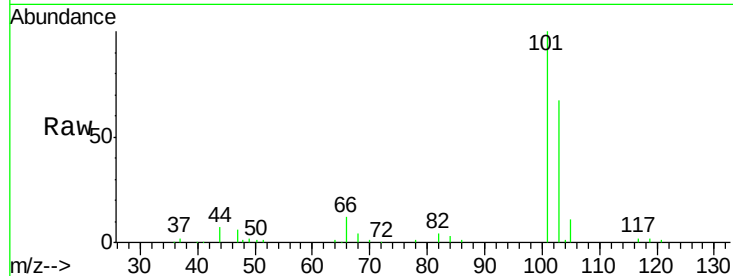
C0XS3

Tgt Ion: 101 Resp: 41471

Ion Ratio Lower Upper

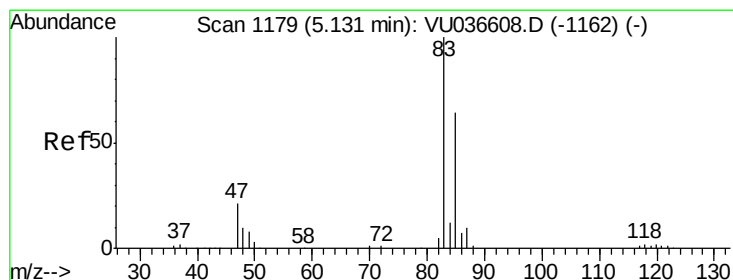
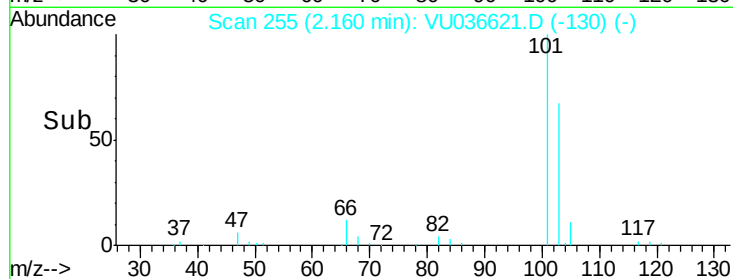
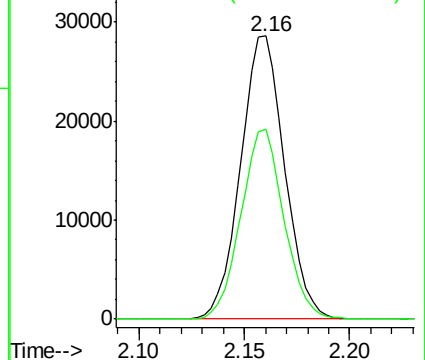
101 100

103 65.4 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#25

Chloroform

Concen: 2.18 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU036621.D

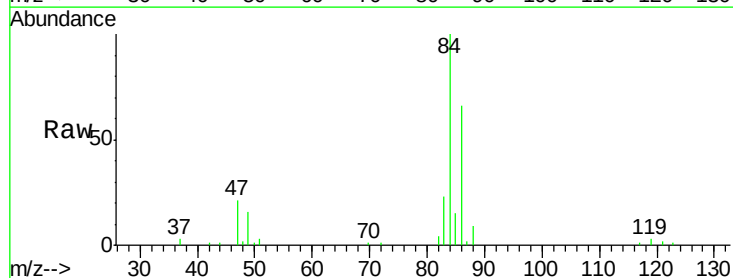
Acq: 30 Jan 2020 16:01

Tgt Ion: 83 Resp: 8061

Ion Ratio Lower Upper

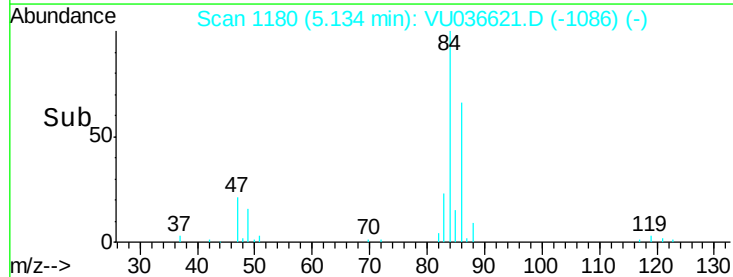
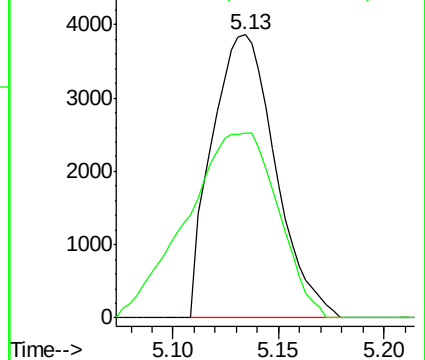
83 100

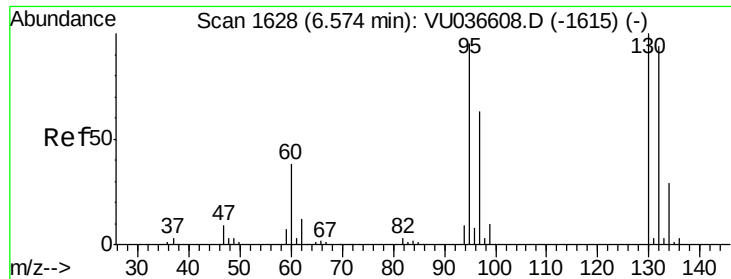
85 65.3 46.3 85.9



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

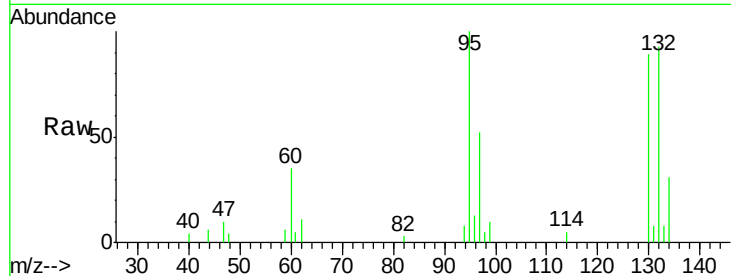




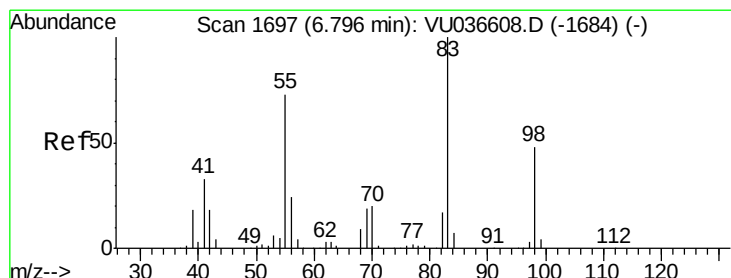
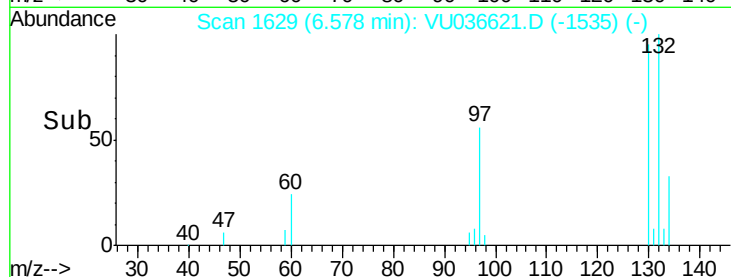
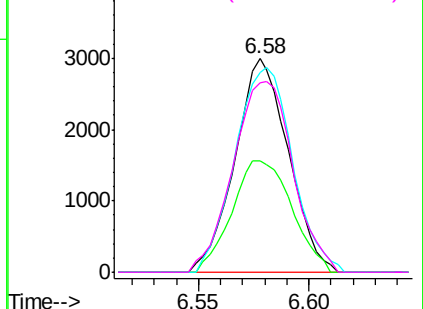
#34
 Trichloroethene
 Concen: 2.34 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036621.D
 Acq: 30 Jan 2020 16:01

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XS3

Tgt Ion: 95 Resp: 5032
 Ion Ratio Lower Upper
 95 100
 97 51.9 45.5 84.5
 132 93.2 70.9 131.7
 130 88.9 72.9 135.3

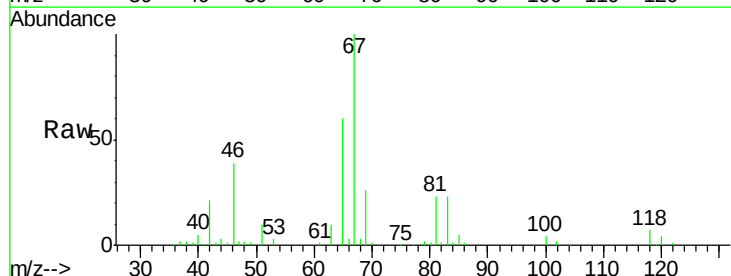


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

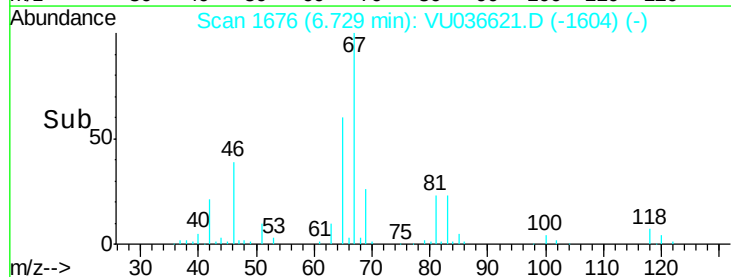
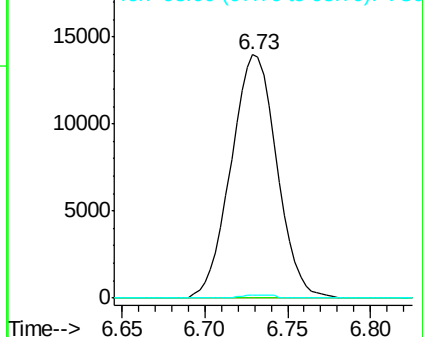


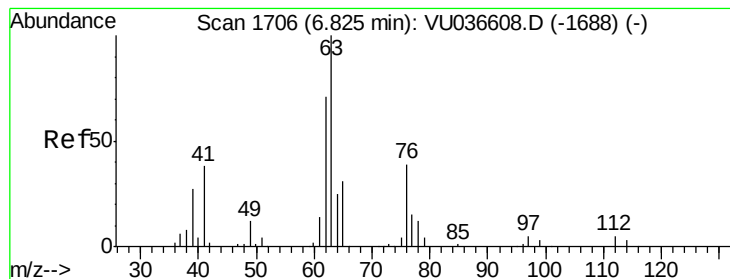
#35
 Methylcyclohexane
 Concen: 7.49 ug/L
 RT: 6.73 min Scan# 1676
 Delta R.T. -0.07 min
 Lab File: VU036621.D
 Acq: 30 Jan 2020 16:01

Tgt Ion: 83 Resp: 26874
 Ion Ratio Lower Upper
 83 100
 55 0.0 56.1 84.1#
 98 0.9 37.5 56.3#



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.50 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.10 min

Lab File: VU036621.D

Acq: 30 Jan 2020 16:01

Instrument :

MSVOA_U

ClientSampleId :

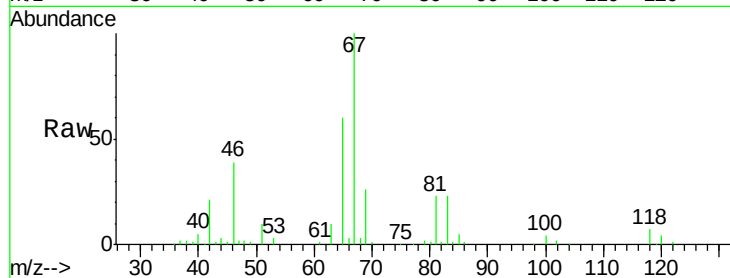
C0XS3

Tgt Ion: 63 Resp: 11684

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU036621.D (-1676) (-)

Ion 112.00 (111.70 to 112.70): VU036621.D (-1676) (-)

6000

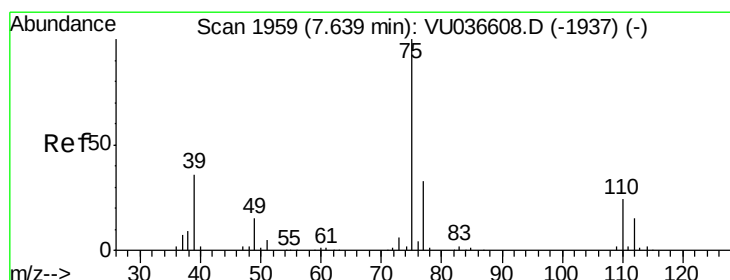
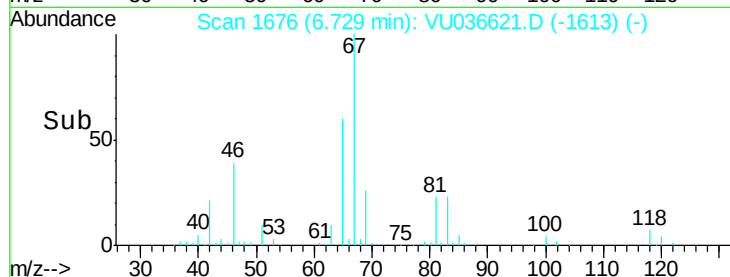
4000

2000

0

6.70 6.73 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.83 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036621.D

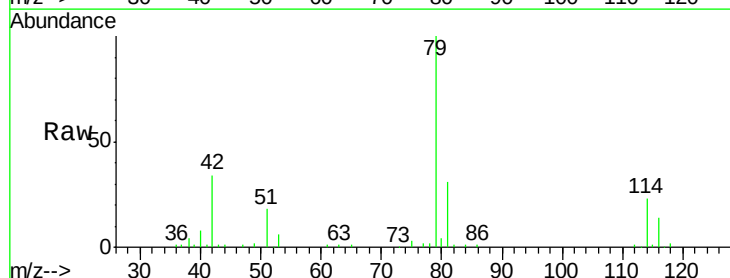
Acq: 30 Jan 2020 16:01

Tgt Ion: 75 Resp: 2841

Ion Ratio Lower Upper

75 100

77 54.7 22.5 41.9#



Abundance Ion 75.00 (74.70 to 75.70): VU036621.D (-1866) (-)

Ion 77.00 (76.70 to 77.70): VU036621.D (-1866) (-)

2000

1500

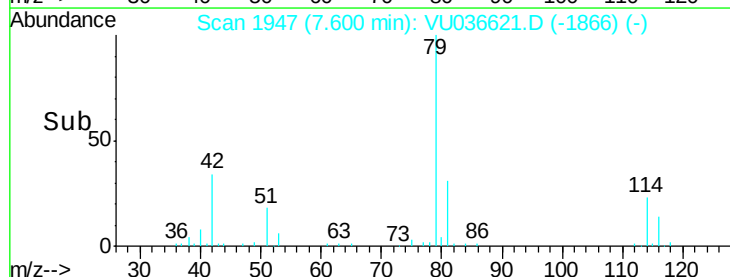
1000

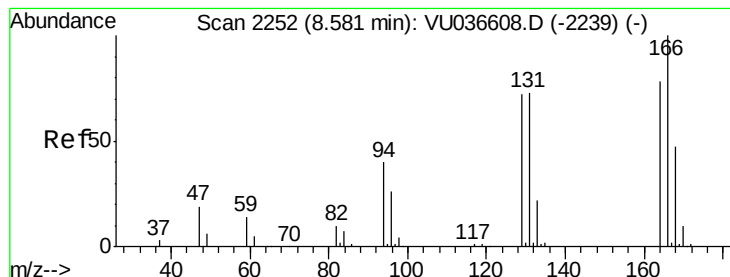
500

0

7.55 7.60 7.65

Time-->





#46

Tetrachloroethene

Concen: 56.55 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036621.D

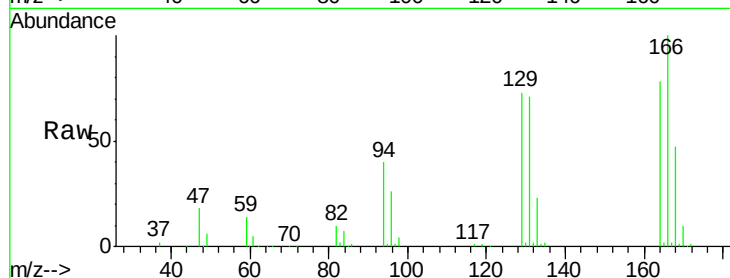
Acq: 30 Jan 2020 16:01

Instrument :

MSVOA_U

ClientSampleId :

C0XS3



Tgt Ion:164 Resp: 98819

Ion Ratio Lower Upper

164 100

129 94.0 64.2 119.2

131 90.7 61.8 114.8

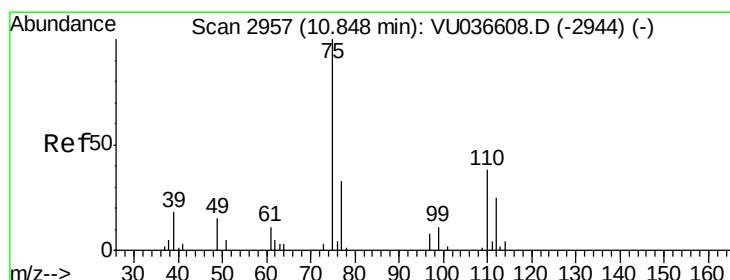
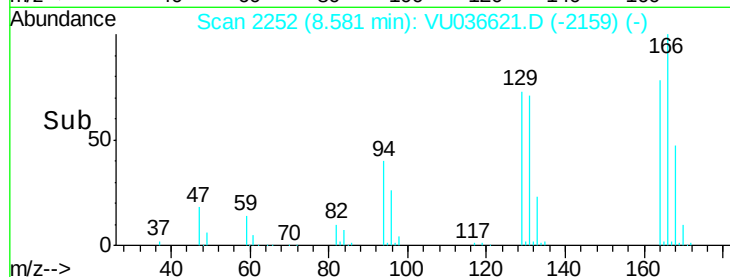
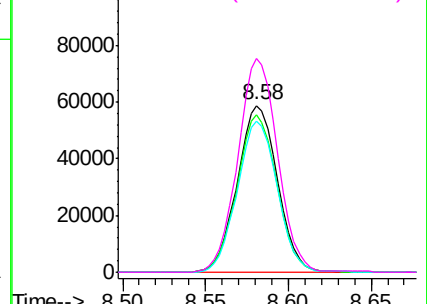
166 128.0 88.8 165.0

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



#59

1,2,3-Trichloropropane

Concen: 4.71 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.99 min

Lab File: VU036621.D

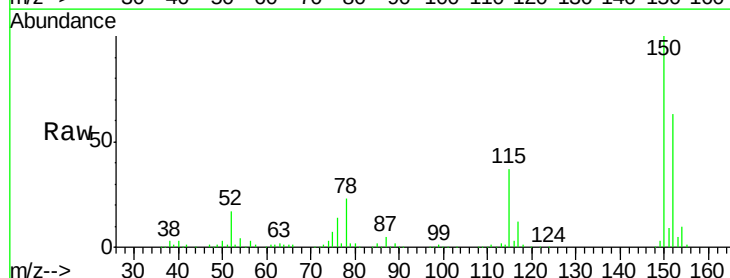
Acq: 30 Jan 2020 16:01

Tgt Ion: 75 Resp: 13521

Ion Ratio Lower Upper

75 100

77 37.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

