

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037912.D
 Acq On : 29 Apr 2020 15:28
 Operator : JC/MD
 Sample : L2395-15DL 100X
 Misc : 5.6mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 30 01:21:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	628997	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	607739	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	273413	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	217839	39.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.28%
7) Chloroethane-d5	1.93	69	197403	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.68%
11) 1,1-Dichloroethene-d2	2.59	63	311352	35.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.00%
21) 2-Butanone-d5	4.66	46	409230	93.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.98%
24) Chloroform-d	5.10	84	400489	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.68%
26) 1,2-Dichloroethane-d4	5.74	65	287303	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
32) Benzene-d6	5.76	84	873963	50.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.70%
36) 1,2-Dichloropropane-d6	6.72	67	290211	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.98%
41) Toluene-d8	7.92	98	786182	49.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.54%
43) trans-1,3-Dichloropropene-	8.20	79	118176	39.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.88%
47) 2-Hexanone-d5	8.65	63	286807	91.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.66%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	409866	51.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.50%
64) 1,2-Dichlorobenzene-d4	12.20	152	284569	53.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.98%

Target Compounds

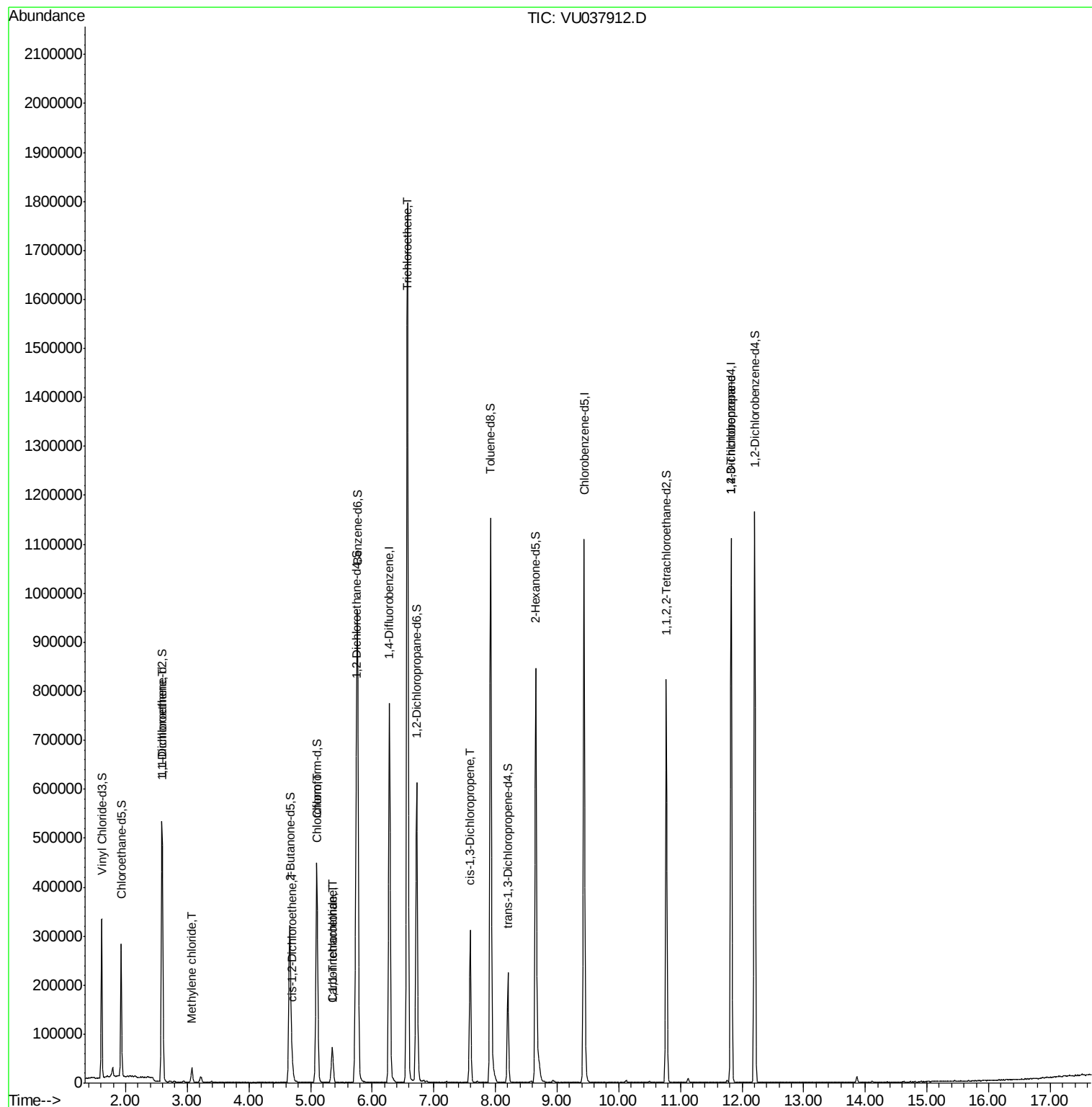
					Ovalue
12) 1,1-Dichloroethene	2.60	96	34781	9.108 ug/L #	1
16) Methylene chloride	3.08	84	13097	2.886 ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	12352	2.642 ug/L	98
25) Chloroform	5.12	83	6615	0.821 ug/L	88
30) 1,1,1-Trichloroethane	5.35	97	50902	7.500 ug/L	98
31) Carbon tetrachloride	5.35	117	6449	1.175 ug/L	96
34) Trichloroethene	6.57	95	610941	135.026 ug/L	98
39) cis-1,3-Dichloropropene	7.59	75	6852	0.849 ug/L #	62
59) 1,2,3-Trichloropropane	11.82	75	37631	5.560 ug/L	92

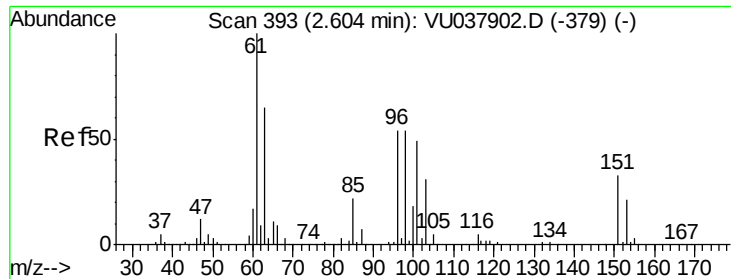
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 30 01:17:58 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 9.108 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037912.D

Acq: 29 Apr 2020 15:28

Instrument :
MSVOA_U
ClientSampleId :

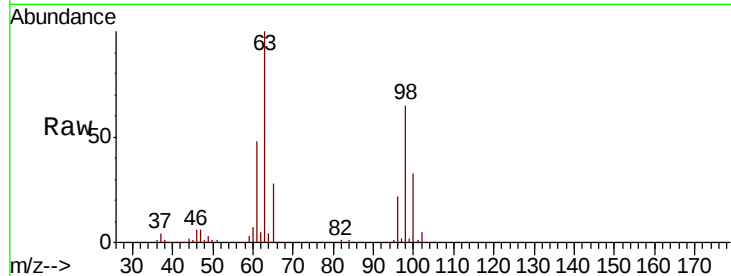
Tot Ion: 96 Resp: 34781

Ion Ratio Lower Upper

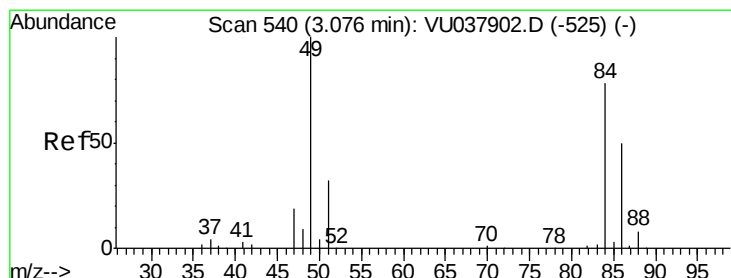
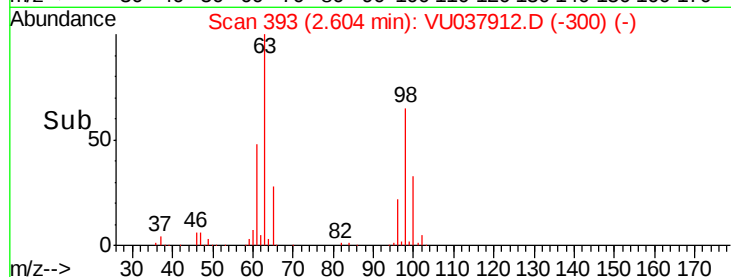
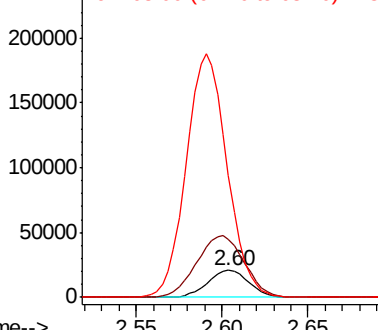
96 100

61 218.6 134.1 249.0

63 455.5 96.5 179.1#



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

Methylene chloride

Concen: 2.886 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037912.D

Acq: 29 Apr 2020 15:28

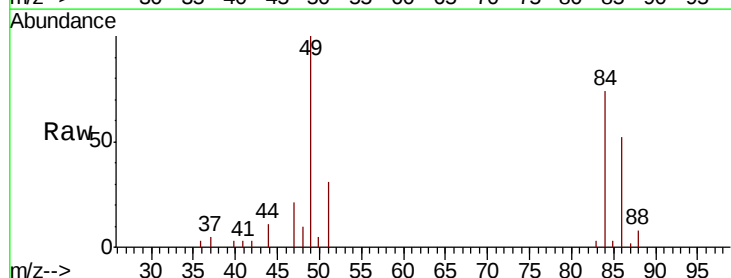
Tgt Ion: 84 Resp: 13097

Ion Ratio Lower Upper

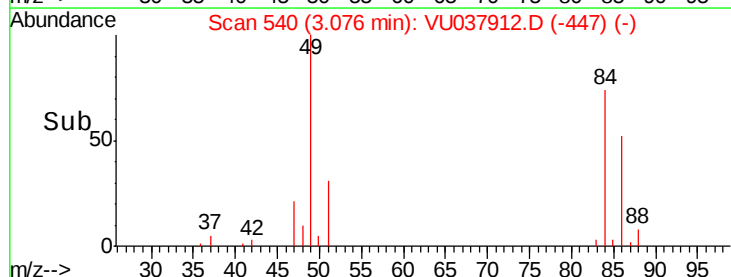
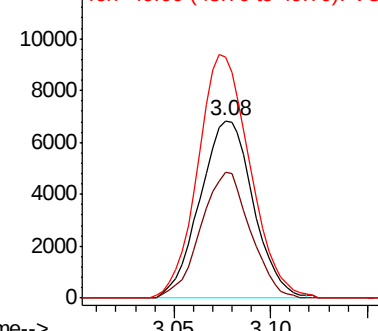
84 100

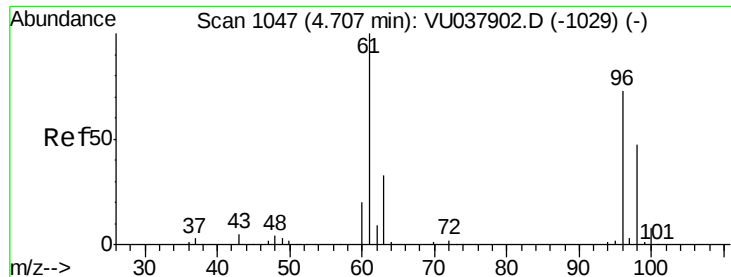
86 70.5 43.5 80.7

49 135.7 95.1 176.7



Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

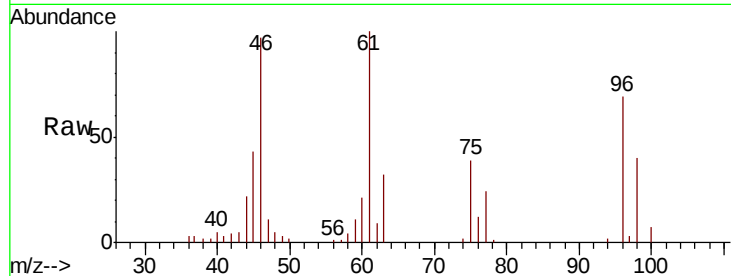




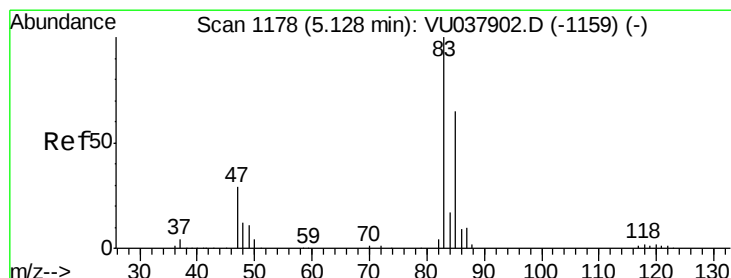
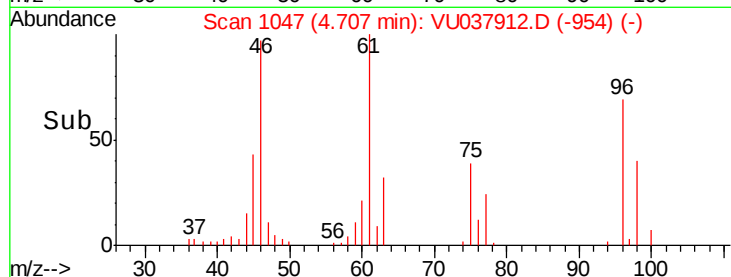
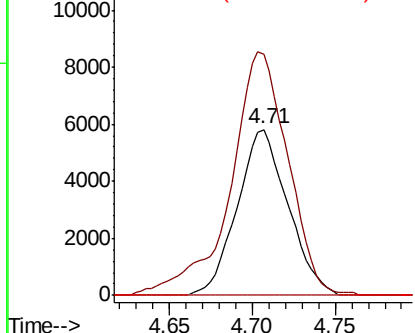
#20
 cis-1,2-Dichloroethene
 Concen: 2.642 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037912.D
 Acq: 29 Apr 2020 15:28

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 12352
 Ion Ratio Lower Upper
 96 100
 61 145.8 100.4 186.4
 68 0.0 0.0 0.0

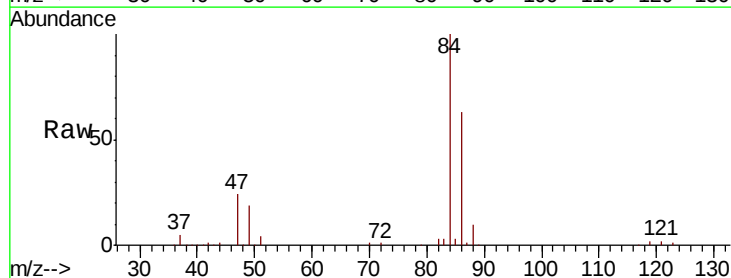


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

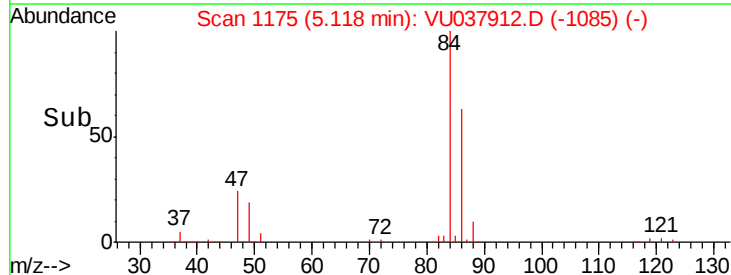
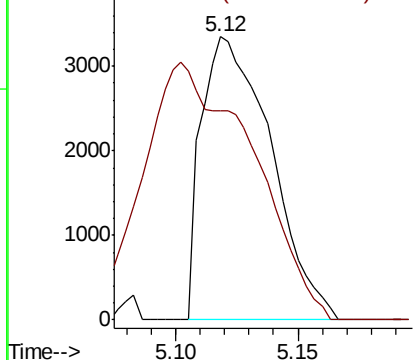


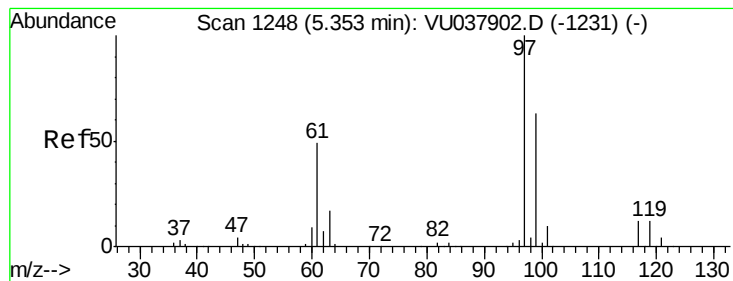
#25
 Chloroform
 Concen: 0.821 ug/L
 RT: 5.12 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VU037912.D
 Acq: 29 Apr 2020 15:28

Tgt Ion: 83 Resp: 6615
 Ion Ratio Lower Upper
 83 100
 85 73.9 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#30

1,1,1-Trichloroethane

Concen: 7.500 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU037912.D

Acq: 29 Apr 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

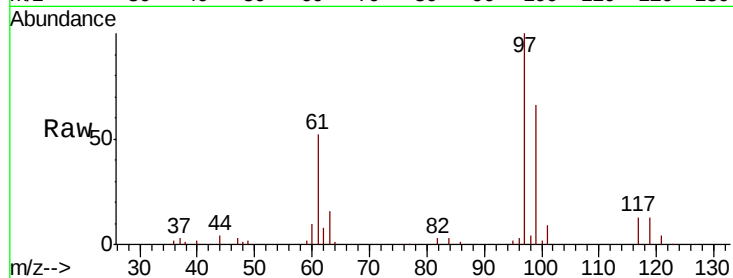
Tot Ion: 97 Resp: 50902

Ion Ratio Lower Upper

97 100

99 64.9 50.7 76.1

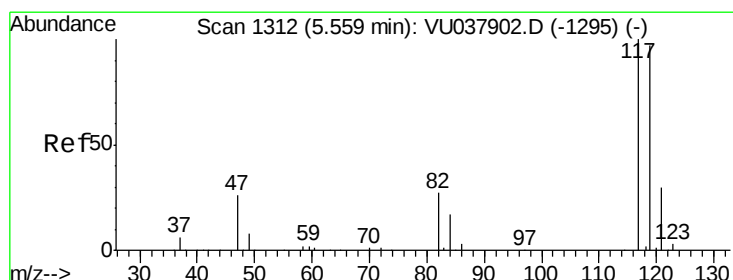
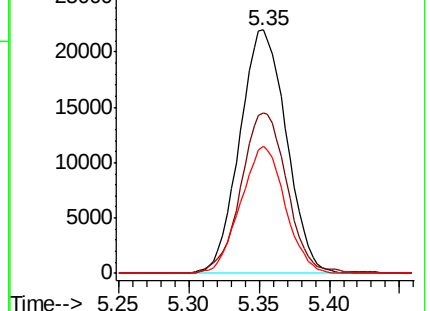
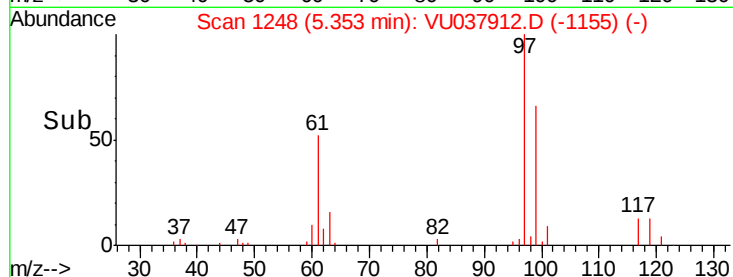
61 49.6 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VU037912.D (-1231) (-)

Ion 99.00 (98.70 to 99.70): VU037912.D (-1231) (-)

Ion 61.05 (60.75 to 61.75): VU037912.D (-1231) (-)



#31

Carbon tetrachloride

Concen: 1.175 ug/L

RT: 5.35 min Scan# 1247

Delta R.T. -0.21 min

Lab File: VU037912.D

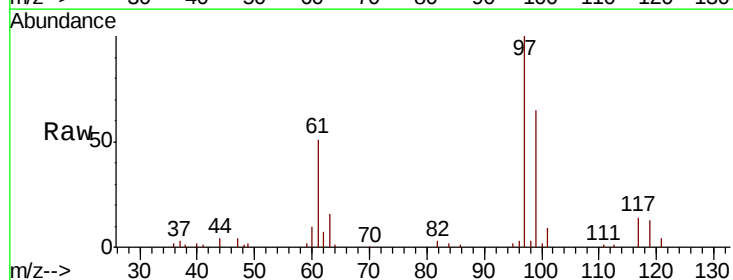
Acq: 29 Apr 2020 15:28

Tgt Ion: 117 Resp: 6449

Ion Ratio Lower Upper

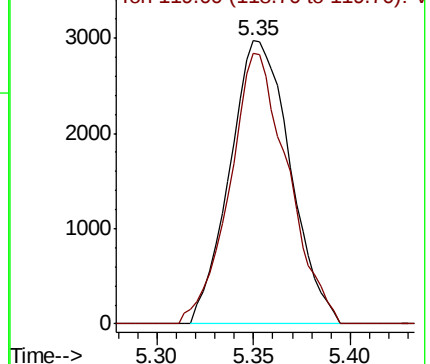
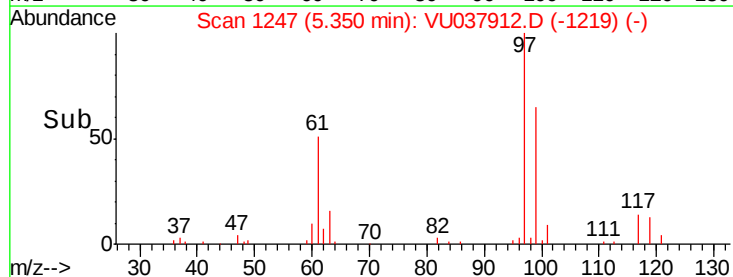
117 100

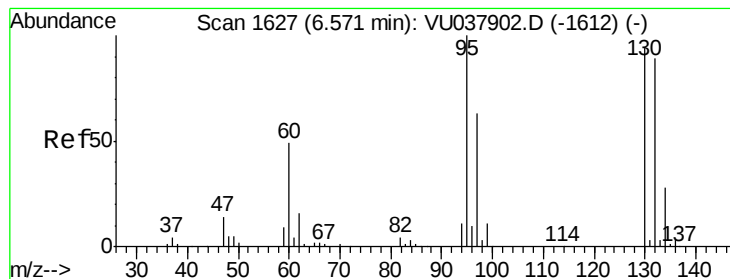
119 92.2 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): VU037912.D (-1247) (-)

Ion 119.00 (118.70 to 119.70): VU037912.D (-1247) (-)





#34

Trichloroethene

Concen: 135.026 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037912.D

Acq: 29 Apr 2020 15:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 95 Resp: 610941

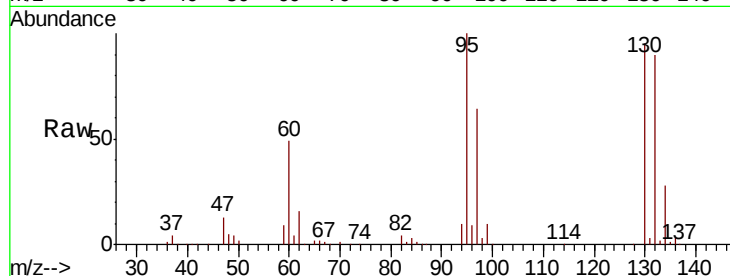
Ion Ratio Lower Upper

95 100

97 64.3 44.4 82.5

132 89.7 65.0 120.6

130 94.8 65.5 121.7

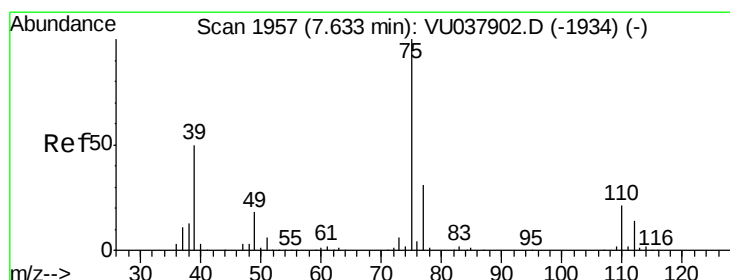
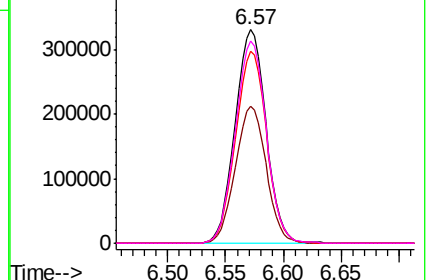
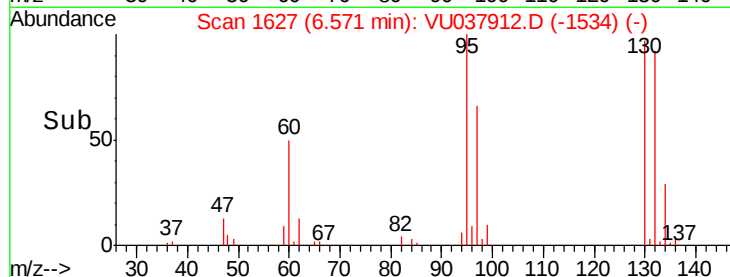


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 0.849 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU037912.D

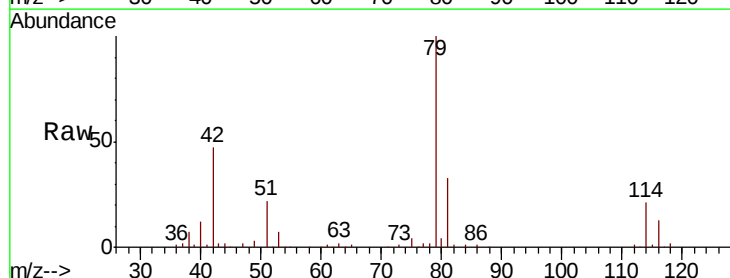
Acq: 29 Apr 2020 15:28

Tgt Ion: 75 Resp: 6852

Ion Ratio Lower Upper

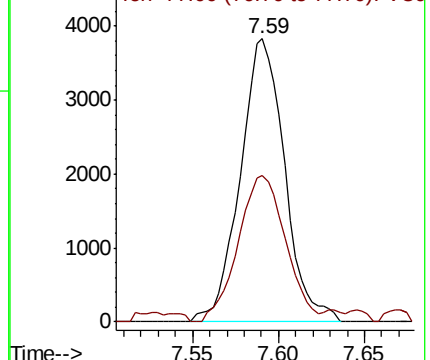
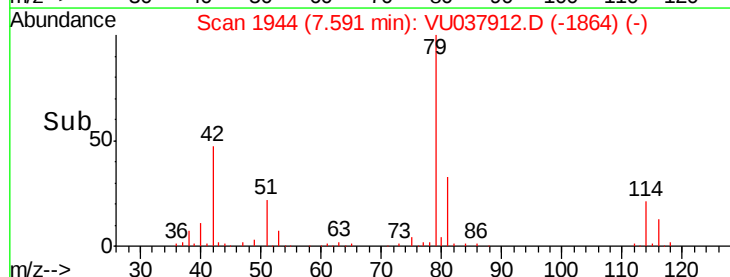
75 100

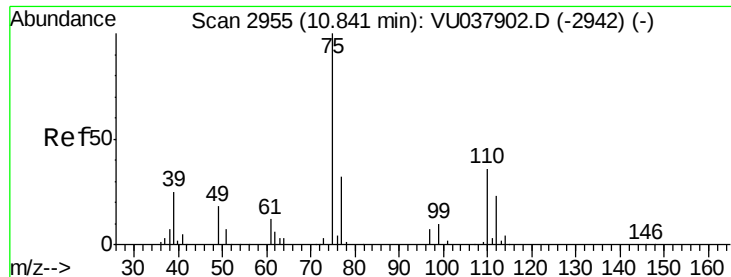
77 51.8 21.7 40.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.560 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU037912.D

Acq: 29 Apr 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 37631

Ion Ratio Lower Upper

75 100

77 36.5 25.8 38.6

