

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101818\
 Data File : VU027701.D
 Acq On : 18 Oct 2018 16:03
 Operator : MD/SY
 Sample : J5463-13DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JC4DL

Quant Time: Oct 19 09:04:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 19 08:11:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	75986	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	69641	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	34816	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29324	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.68	69	22577	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.28	63	47527	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.60%
20) 2-Butanone-d5	4.20	46	80309	46.77	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.54%
24) Chloroform-d	4.65	84	45163	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.31	65	24587	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.34	84	96964	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.33	67	33012	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.57	98	93050	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.85	79	13476	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.31	63	68086	47.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	23356	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	32846	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

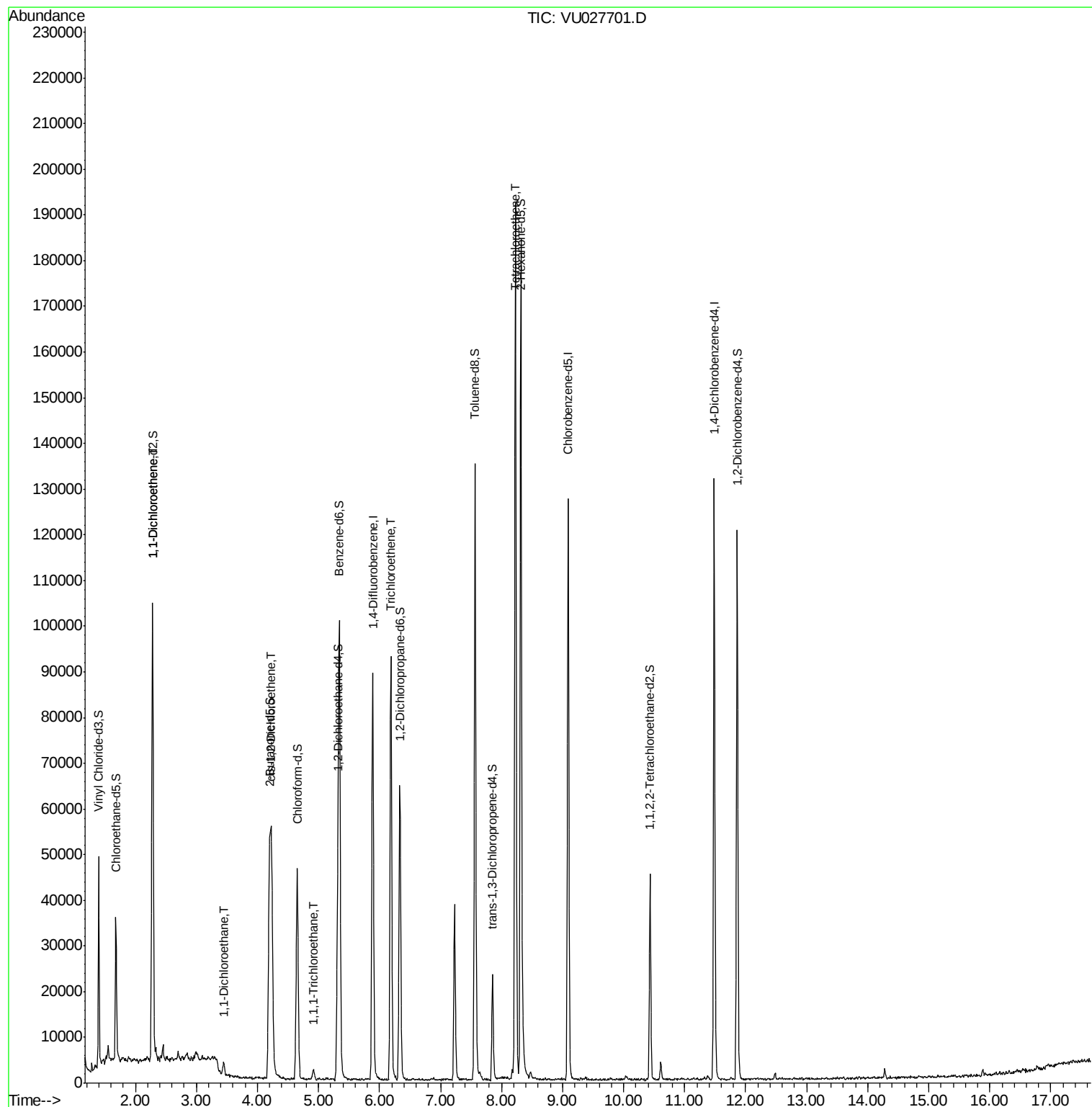
					Ovalue
12) 1,1-Dichloroethene	2.29	96	17288	3.362 ug/L	92
19) 1,1-Dichloroethane	3.44	63	3480	0.320 ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	18718	3.094 ug/L #	92
29) 1,1,1-Trichloroethane	4.92	97	2000	0.234 ug/L	93
34) Trichloroethene	6.19	95	33738	5.719 ug/L	100
47) Tetrachloroethene	8.23	164	43937	9.329 ug/L	99

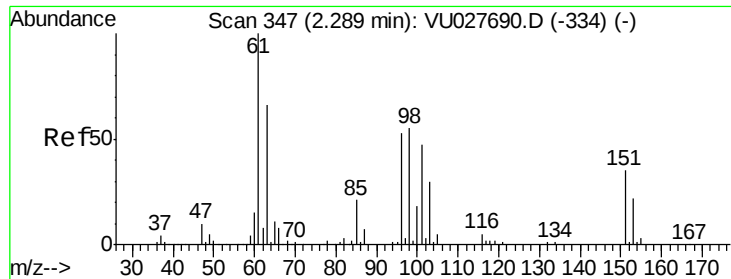
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 3.362 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027701.D

Acq: 18 Oct 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

C0JC4DL

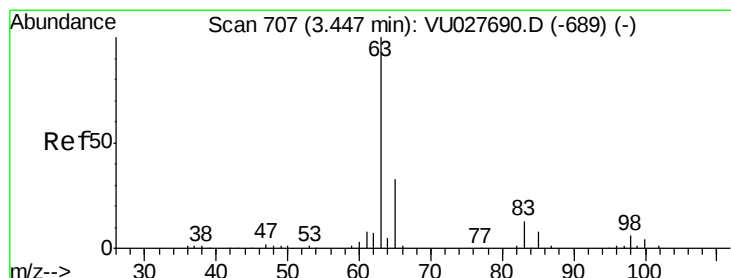
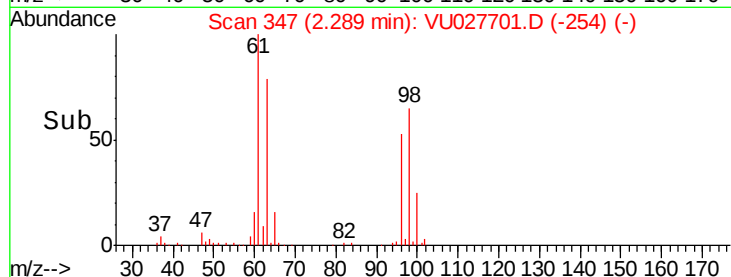
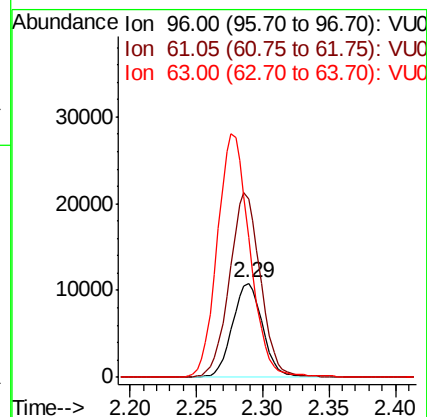
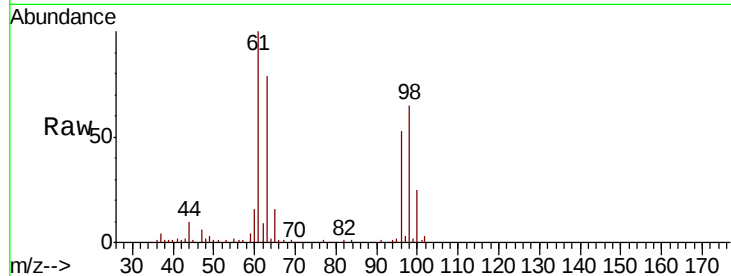
Tot Ion: 96 Resp: 17288

Ion Ratio Lower Upper

96 100

61 189.3 125.6 233.2

63 149.4 97.6 181.2



#19

1,1-Dichloroethane

Concen: 0.320 ug/L

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU027701.D

Acq: 18 Oct 2018 16:03

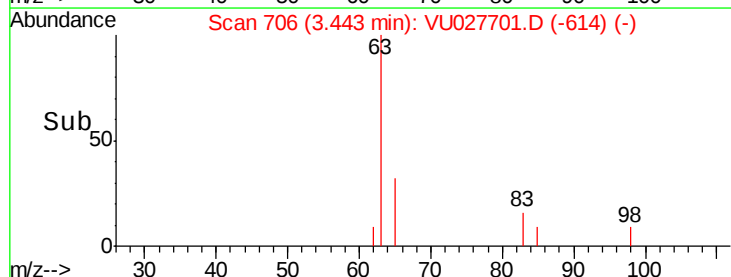
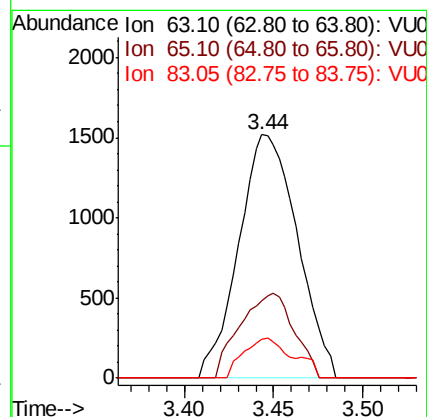
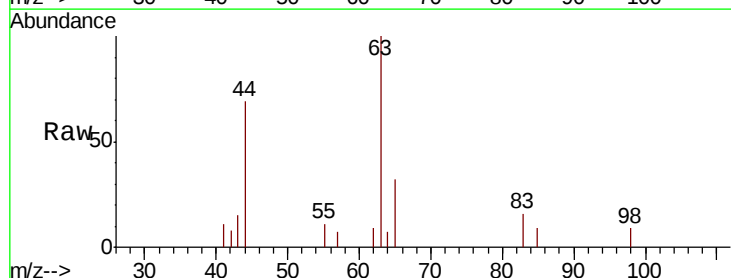
Tgt Ion: 63 Resp: 3480

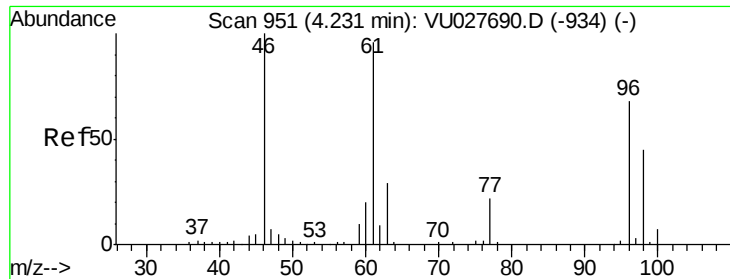
Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.3

83 16.0 9.7 17.9





#22

cis-1,2-Dichloroethene

Concen: 3.094 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027701.D

Acq: 18 Oct 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

C0JC4DL

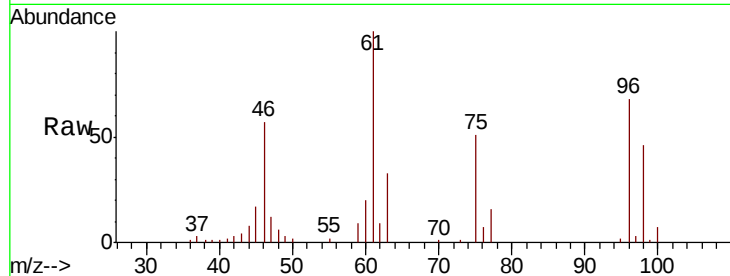
Tot Ion: 96 Resp: 18718

Ion Ratio Lower Upper

96 100

61 146.1 95.3 176.9

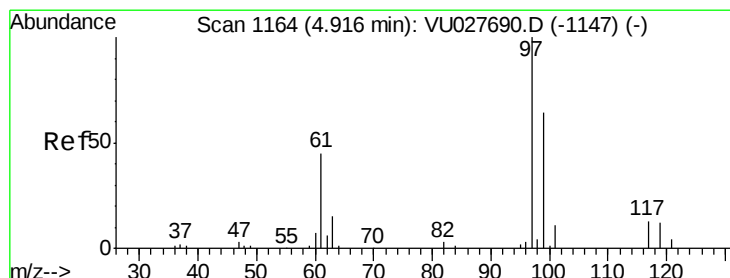
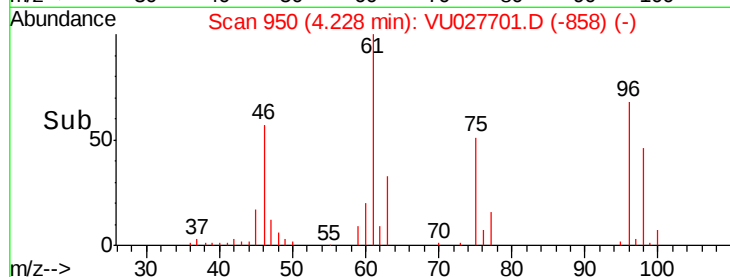
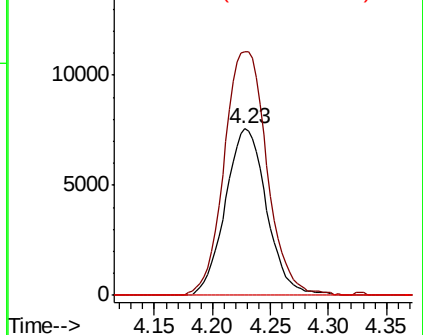
68 0.0 1.1 2.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#29

1,1,1-Trichloroethane

Concen: 0.234 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU027701.D

Acq: 18 Oct 2018 16:03

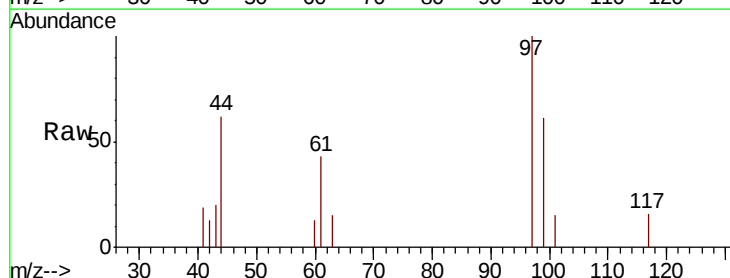
Tgt Ion: 97 Resp: 2000

Ion Ratio Lower Upper

97 100

99 55.8 51.4 77.2

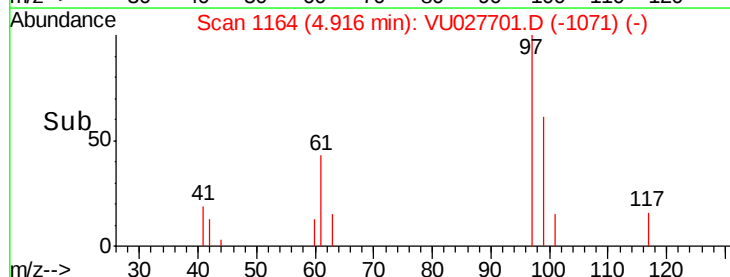
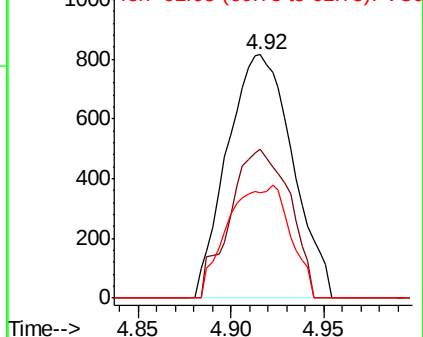
61 44.2 35.7 53.5

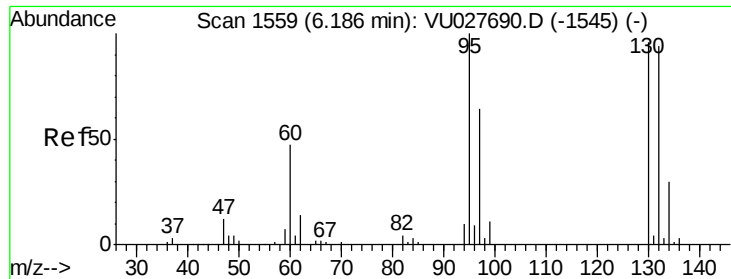


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0





#34

Trichloroethene

Concen: 5.719 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027701.D

Acq: 18 Oct 2018 16:03

Instrument :

MSVOA_U

ClientSampleId :

C0JC4DL

Tot Ion: 95 Resp: 33738

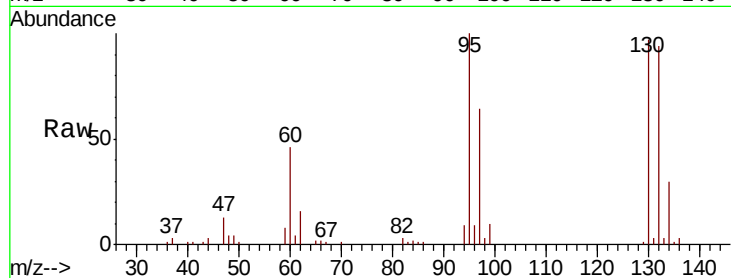
Ion Ratio Lower Upper

95 100

97 63.5 44.7 83.1

132 94.2 65.9 122.5

130 96.7 67.9 126.1



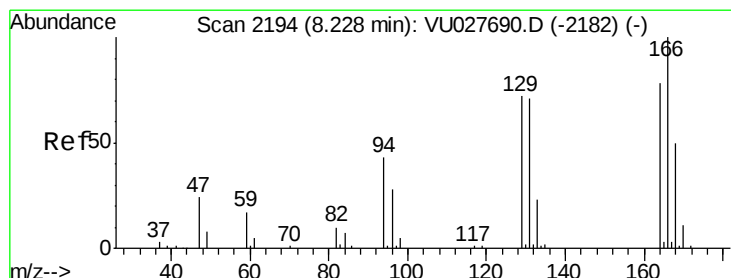
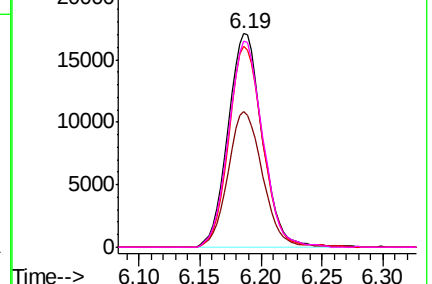
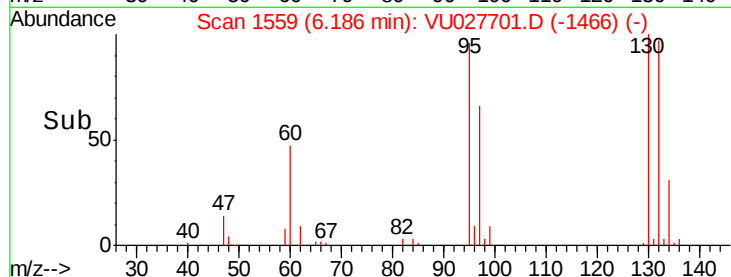
Abundance

Ion 95.00 (94.70 to 95.70): VU027701.D (-1466) (-)

Ion 96.95 (96.65 to 97.65): VU027701.D (-1466) (-)

Ion 131.95 (131.65 to 132.65): VU027701.D (-1466) (-)

Ion 129.95 (129.65 to 130.65): VU027701.D (-1466) (-)



#47

Tetrachloroethene

Concen: 9.329 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU027701.D

Acq: 18 Oct 2018 16:03

Tgt Ion: 164 Resp: 43937

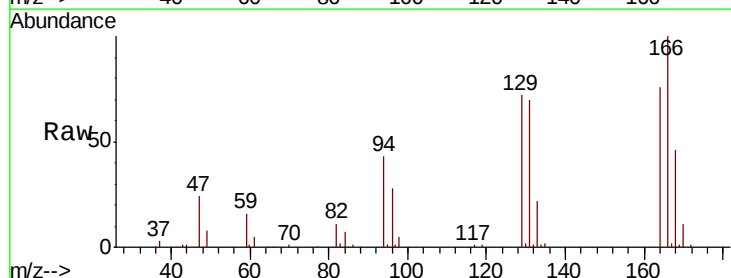
Ion Ratio Lower Upper

164 100

129 94.5 67.3 124.9

131 92.4 64.8 120.3

166 131.7 91.8 170.4



Abundance

Ion 163.90 (163.60 to 164.60): VU027701.D (-2101) (-)

Ion 128.95 (128.65 to 129.65): VU027701.D (-2101) (-)

Ion 130.95 (130.65 to 131.65): VU027701.D (-2101) (-)

Ion 165.90 (165.60 to 166.60): VU027701.D (-2101) (-)

