

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031414.D
 Acq On : 23 Apr 2019 01:11
 Operator : JC/SP
 Sample : K2477-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XC6

Quant Time: Apr 23 05:14:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 04:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	676225	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	595670	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	256091	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	278271	50.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.56%
7) Chloroethane-d5	1.68	69	222027	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.44%
11) 1,1-Dichloroethene-d2	2.27	63	397637	41.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.44%
21) 2-Butanone-d5	4.19	46	448123	109.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.39%
24) Chloroform-d	4.64	84	447477	51.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.50%
26) 1,2-Dichloroethane-d4	5.31	65	278762	53.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.60%
32) Benzene-d6	5.34	84	965494	56.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.22%
36) 1,2-Dichloropropane-d6	6.33	67	312139	56.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.74%
41) Toluene-d8	7.56	98	833971	54.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.52%
43) trans-1,3-Dichloropropene-	7.85	79	136817	54.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.44%
47) 2-Hexanone-d5	8.31	63	314284	113.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	386912	51.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.02%
64) 1,2-Dichlorobenzene-d4	11.85	152	284288	54.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.62%

Target Compounds

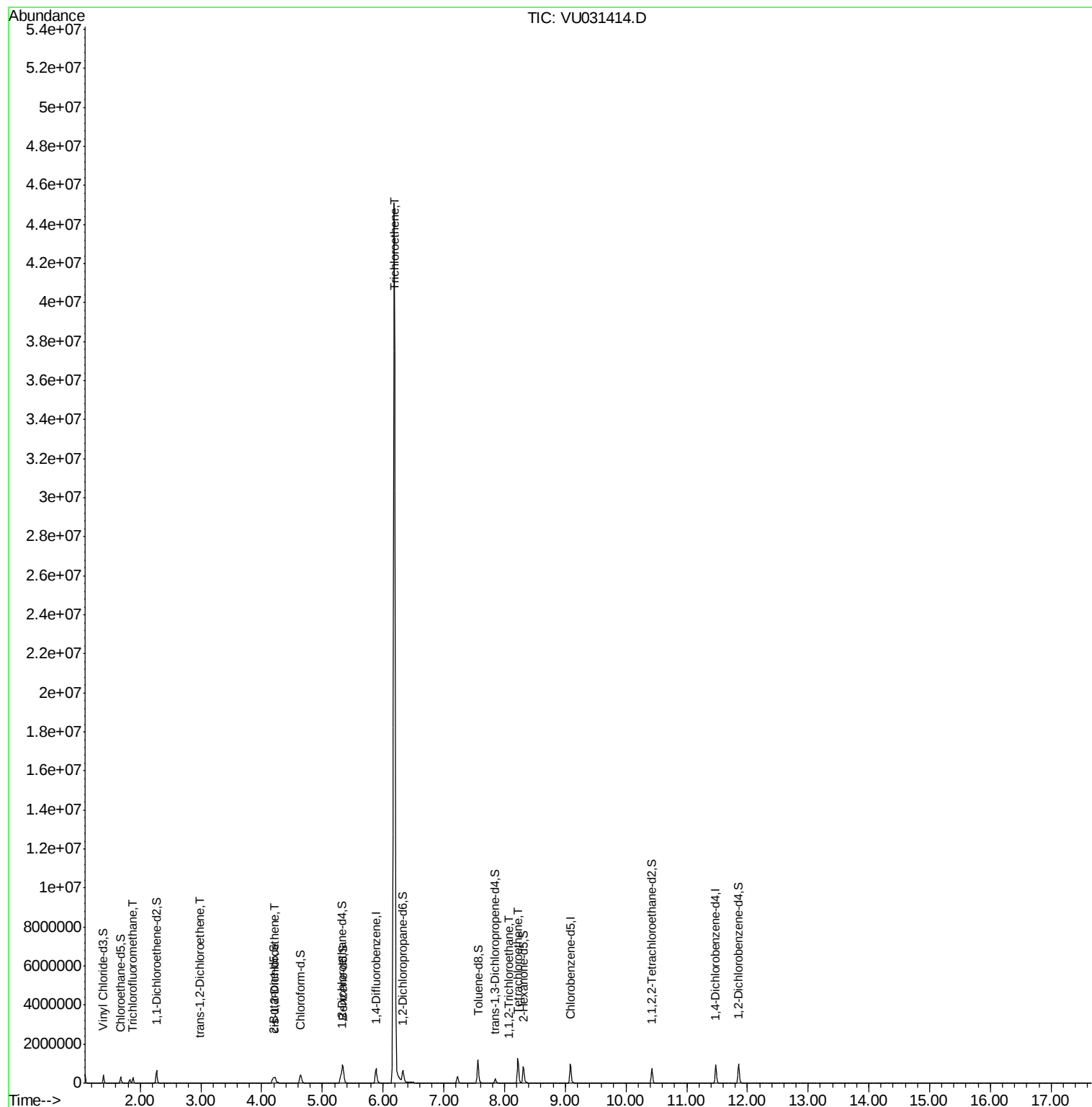
					Ovalue
9) Trichlorofluoromethane	1.88	101	177426	24.578 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	4456	1.049 ug/L	88
20) cis-1,2-Dichloroethene	4.22	96	110831	22.990 ug/L	96
34) Trichloroethene	6.18	95	16689857	3655.753 ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	2692	0.638 ug/L	86
46) Tetrachloroethene	8.22	164	308303	95.218 ug/L	98

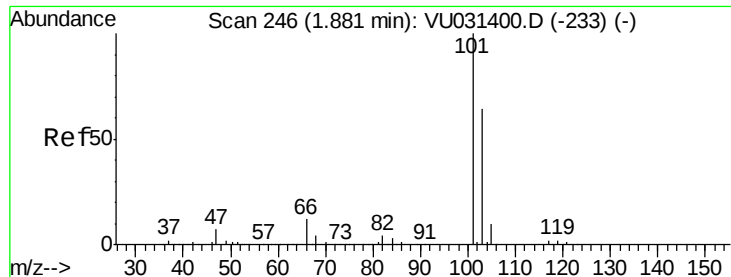
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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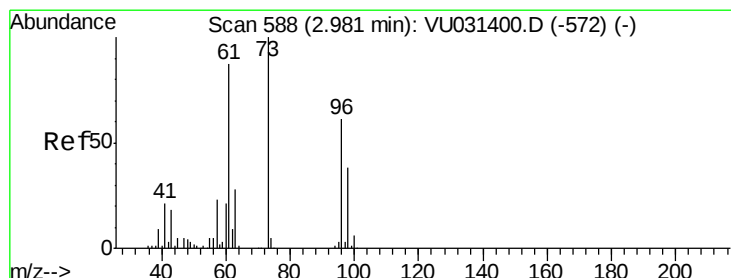
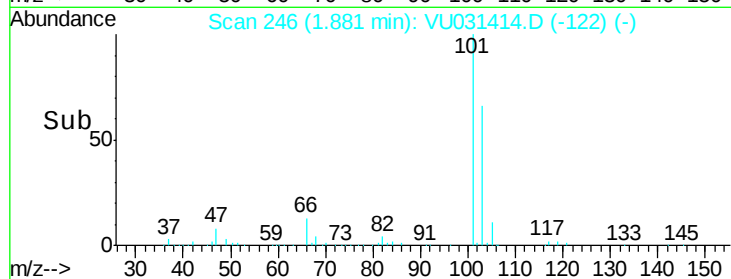
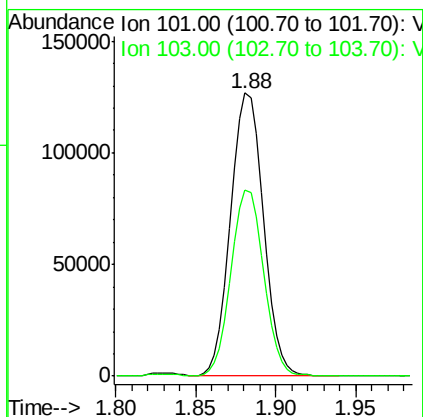
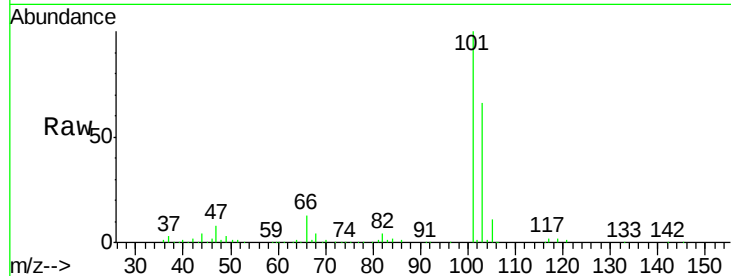


#9

Trichlorofluoromethane
 Concen: 24.578 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. 0.00 min
 Lab File: VU031414.D
 Acq: 23 Apr 2019 01:11

Instrument :
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 ClientSampleId :
 C0XC6

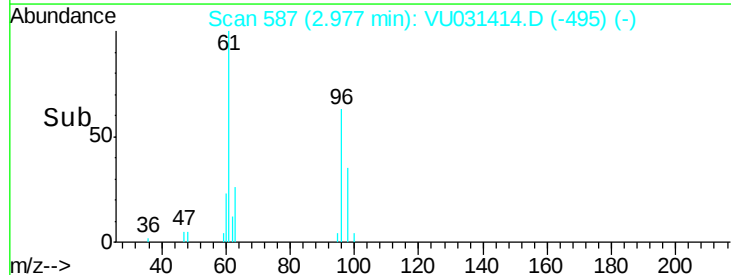
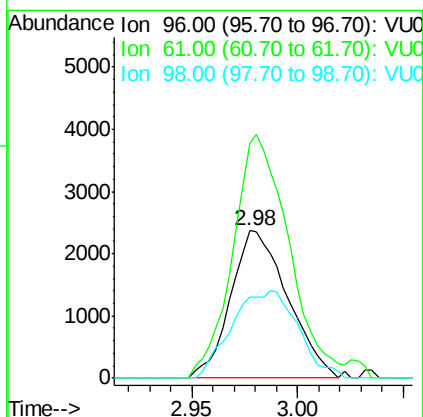
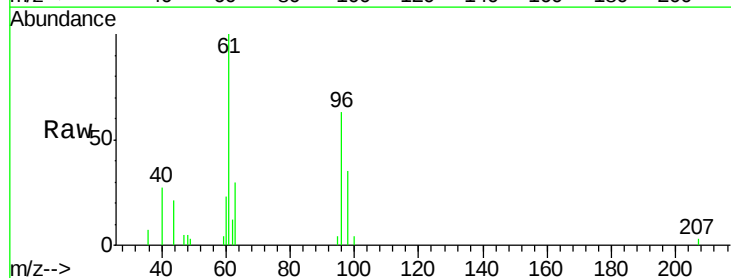
Tot Ion:101 Resp: 177426
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.2

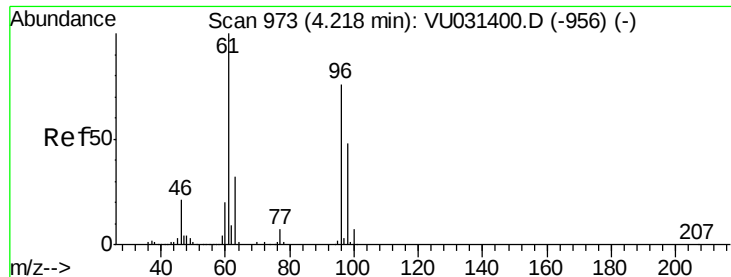


#17

trans-1,2-Dichloroethene
 Concen: 1.049 ug/L
 RT: 2.98 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU031414.D
 Acq: 23 Apr 2019 01:11

Tgt Ion: 96 Resp: 4456
 Ion Ratio Lower Upper
 96 100
 61 159.3 100.3 186.3
 98 55.4 44.0 81.6



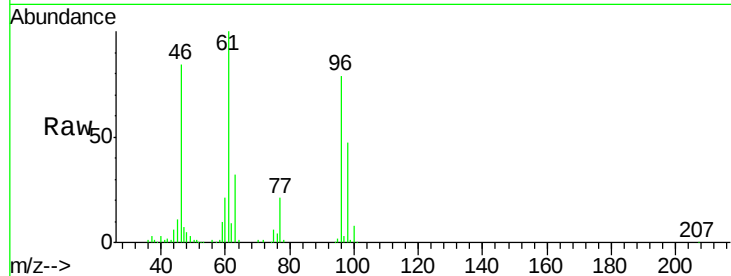


#20

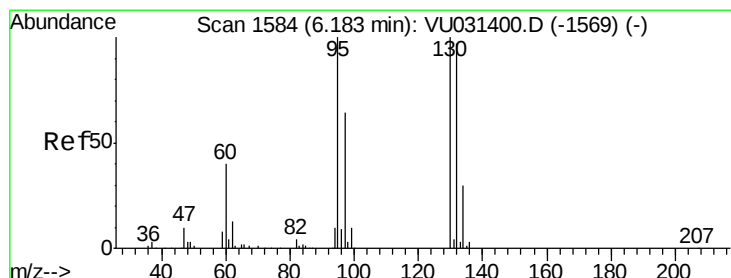
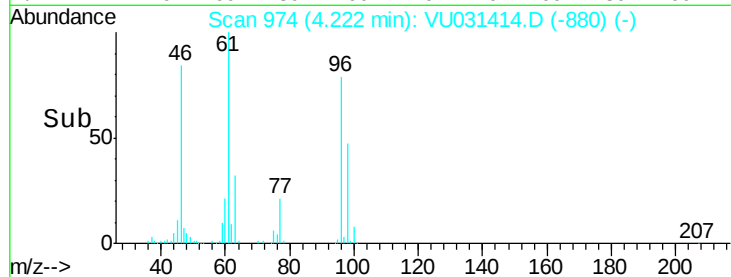
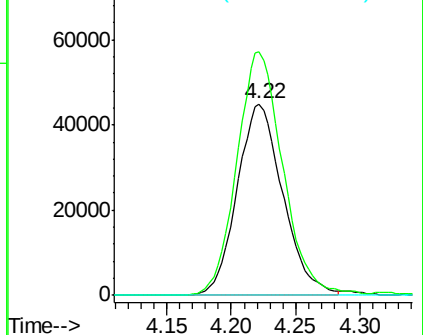
cis-1,2-Dichloroethene
 Concen: 22.990 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU031414.D
 Acq: 23 Apr 2019 01:11

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XC6

Tot Ion: 96 Resp: 110831
 Ion Ratio Lower Upper
 96 100
 61 127.1 91.9 170.7
 68 0.0 0.0 0.0



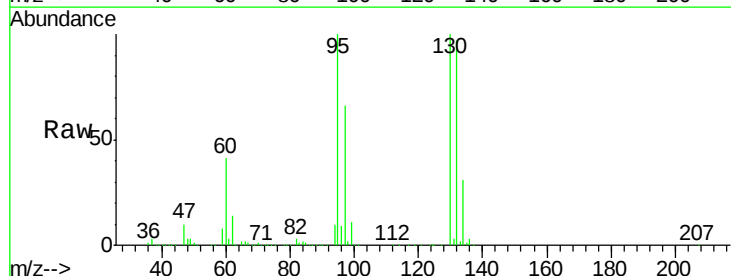
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



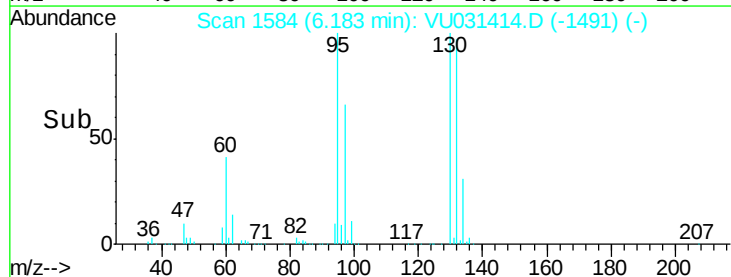
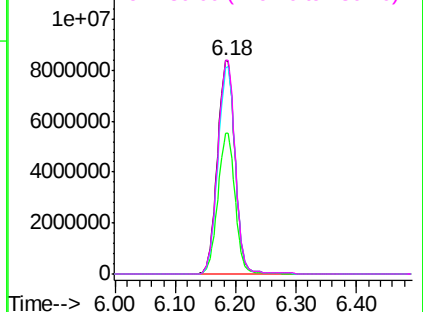
#34

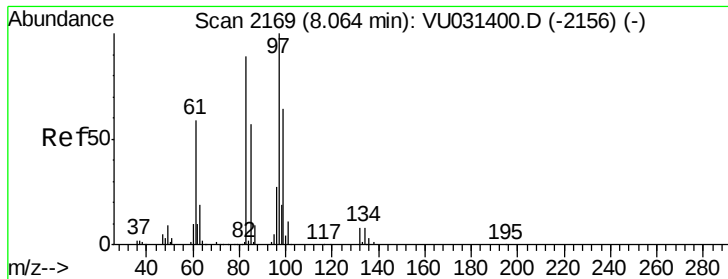
Trichloroethene
 Concen: 3655.753 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031414.D
 Acq: 23 Apr 2019 01:11

Tgt Ion: 95 Resp:16689857
 Ion Ratio Lower Upper
 95 100
 97 66.0 44.9 83.5
 132 96.5 68.0 126.2
 130 100.0 70.1 130.1



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





#45

1,1,2-Trichloroethane

Concen: 0.638 ug/L

RT: 8.07 min Scan# 2172

Delta R.T. 0.01 min

Lab File: VU031414.D

Acq: 23 Apr 2019 01:11

Instrument :

MSVOA_U

ClientSampleId :

C0XC6

Tot Ion: 97 Resp: 2692

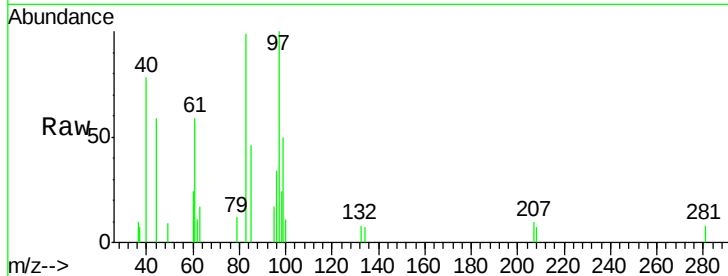
Ion Ratio Lower Upper

97 100

99 49.6 44.9 83.3

83 98.9 62.5 116.1

85 45.7 39.6 73.6

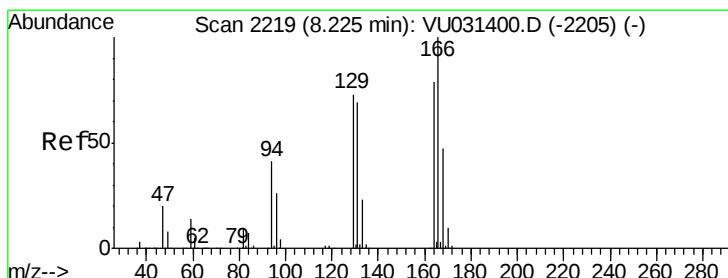
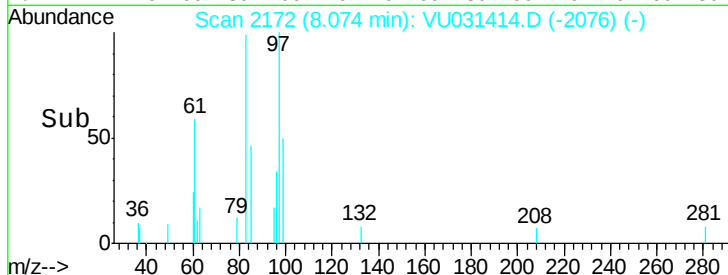
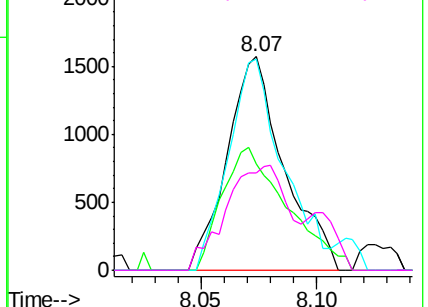


Abundance Ion 97.00 (96.70 to 97.70): VU031414.D (-2172) (-)

Ion 99.00 (98.70 to 99.70): VU031414.D (-2172) (-)

Ion 83.00 (82.70 to 83.70): VU031414.D (-2172) (-)

Ion 85.00 (84.70 to 85.70): VU031414.D (-2172) (-)



#46

Tetrachloroethene

Concen: 95.218 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031414.D

Acq: 23 Apr 2019 01:11

Tgt Ion:164 Resp: 308303

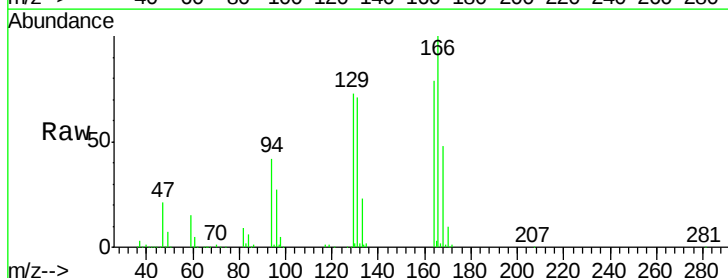
Ion Ratio Lower Upper

164 100

129 91.8 65.2 121.0

131 90.4 61.4 114.0

166 126.5 89.2 165.6



Abundance Ion 164.00 (163.70 to 164.70): VU031414.D (-2219) (-)

Ion 129.00 (128.70 to 129.70): VU031414.D (-2219) (-)

Ion 131.00 (130.70 to 131.70): VU031414.D (-2219) (-)

Ion 166.00 (165.70 to 166.70): VU031414.D (-2219) (-)

