

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051119\
 Data File : VU031928.D
 Acq On : 11 May 2019 14:03
 Operator : JC/SP
 Sample : K2705-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B53

Quant Time: May 13 13:05:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 13 01:54:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1022792	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1010486	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	370322	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	339783	39.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.38%
7) Chloroethane-d5	1.67	69	308282	46.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.27	63	500793	29.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.76%#
21) 2-Butanone-d5	4.17	46	662799	85.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.46%
24) Chloroform-d	4.64	84	660873	42.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.32%
26) 1,2-Dichloroethane-d4	5.30	65	447066	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.30%
32) Benzene-d6	5.33	84	1353588	43.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.24%
36) 1,2-Dichloropropane-d6	6.32	67	473402	43.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.72%
41) Toluene-d8	7.56	98	1133918	41.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.92%
43) trans-1,3-Dichloropropene-	7.85	79	187193	39.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.90%
47) 2-Hexanone-d5	8.31	63	433781	91.80	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.80%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	666064	45.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.92%
64) 1,2-Dichlorobenzene-d4	11.86	152	379362	48.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.42%

Target Compounds

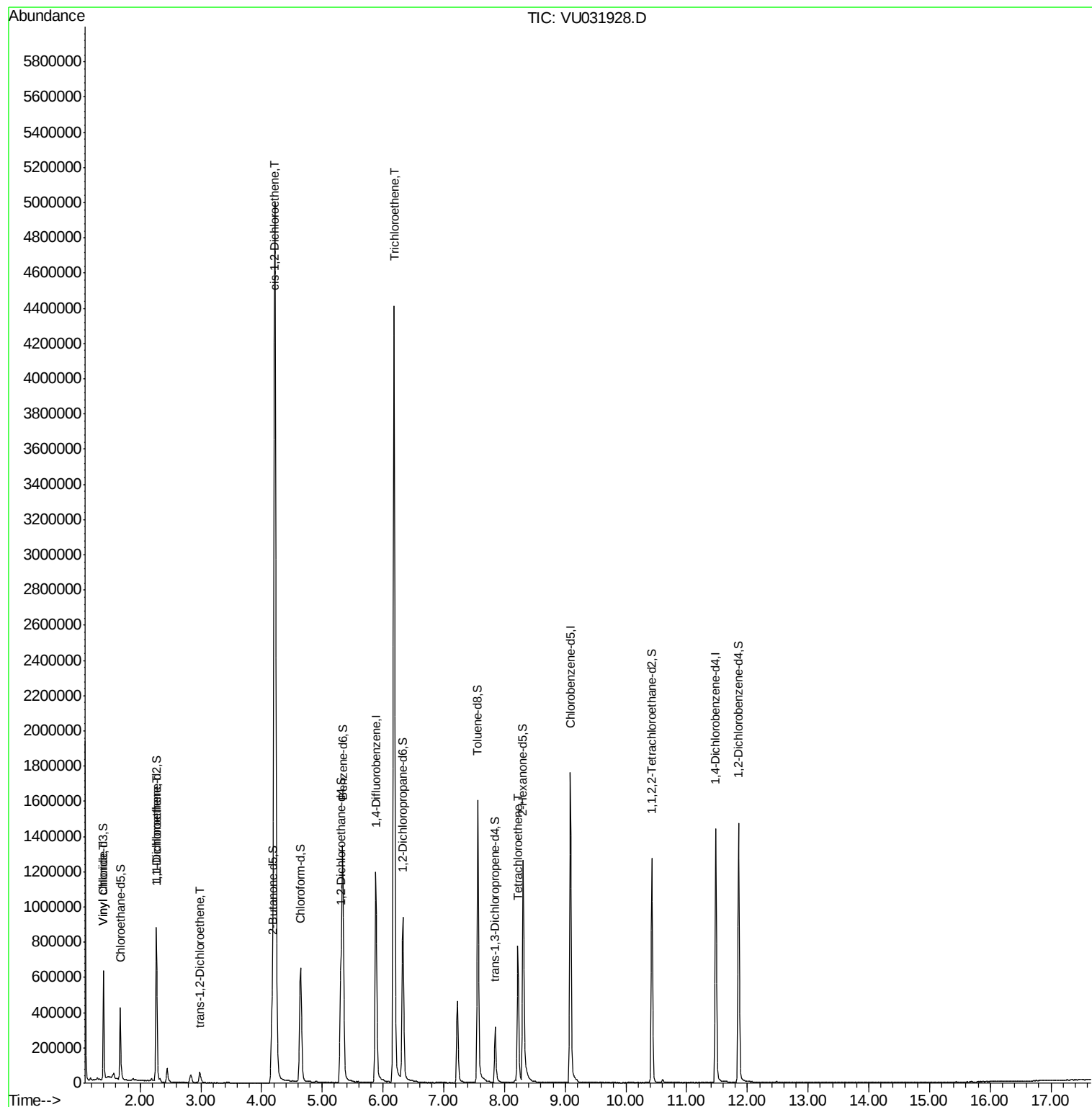
					Ovalue
5) Vinyl chloride	1.40	62	89064	7.001	ug/L 84
12) 1,1-Dichloroethene	2.28	96	29386	3.682	ug/L # 1
17) trans-1,2-Dichloroethene	2.98	96	21109	2.539	ug/L 87
20) cis-1,2-Dichloroethene	4.22	96	2775661	311.195	ug/L 94
34) Trichloroethene	6.18	95	1617239	179.581	ug/L 98
46) Tetrachloroethene	8.22	164	179427	29.225	ug/L 96

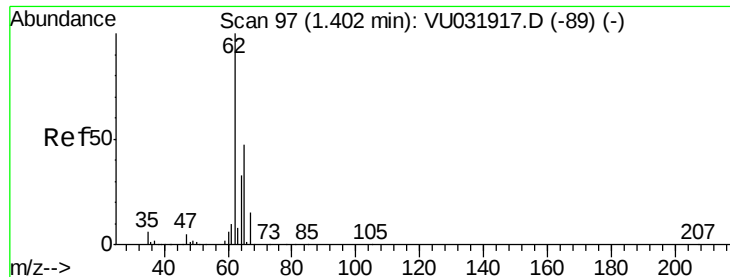
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 13 01:54:07 2019
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#5

Vinyl chloride

Concen: 7.001 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031928.D

Acq: 11 May 2019 14:03

Instrument :

MSVOA_U

ClientSampleId :

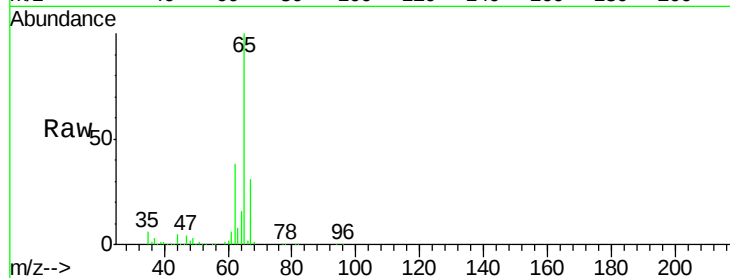
C0B53

Tot Ion: 62 Resp: 89064

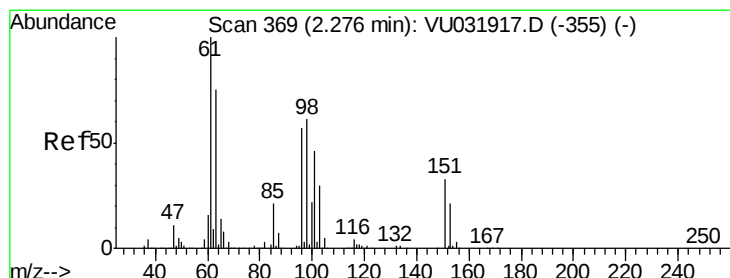
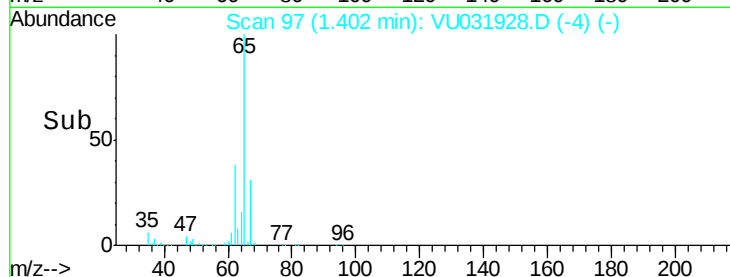
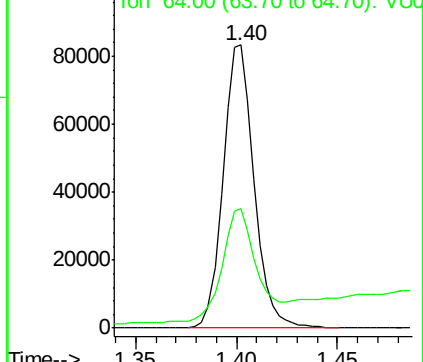
Ion Ratio Lower Upper

62 100

64 42.0 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031917.D (-89) (-)



#12

1,1-Dichloroethene

Concen: 3.682 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031928.D

Acq: 11 May 2019 14:03

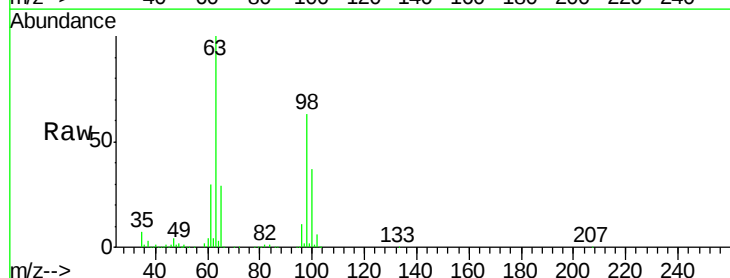
Tgt Ion: 96 Resp: 29386

Ion Ratio Lower Upper

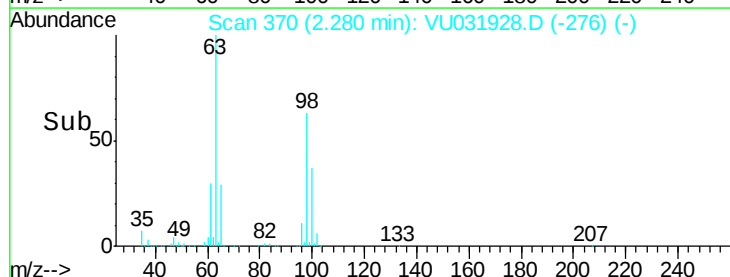
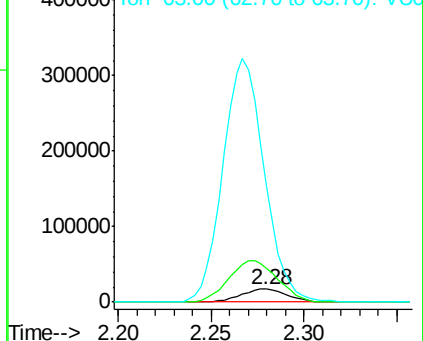
96 100

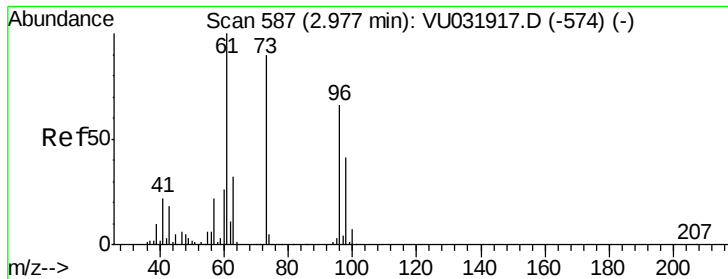
61 261.9 135.0 250.6#

63 885.3 103.5 192.3#



Abundance Ion 96.00 (95.70 to 96.70): VU031917.D (-355) (-)





#17

trans-1,2-Dichloroethene

Concen: 2.539 ug/L

RT: 2.98 min Scan# 589

Delta R.T. 0.01 min

Lab File: VU031928.D

Acq: 11 May 2019 14:03

Instrument :

MSVOA_U

ClientSampleId :

C0B53

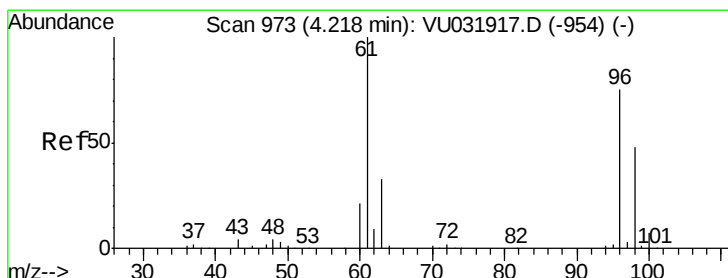
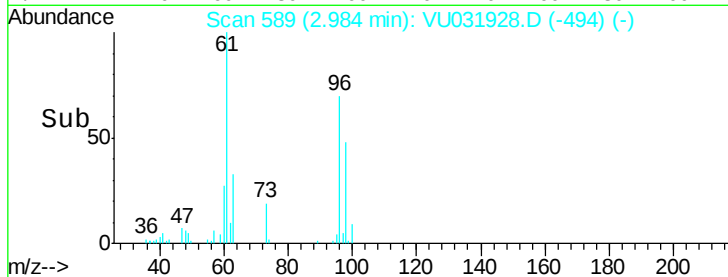
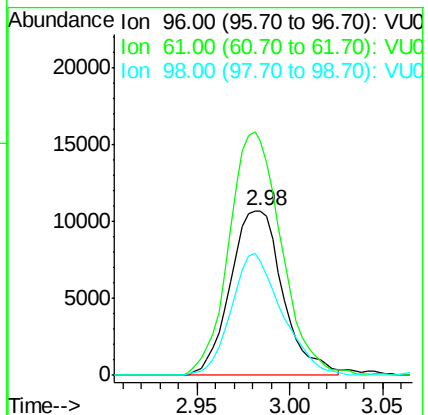
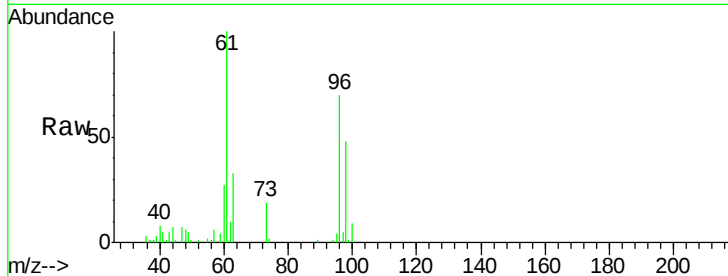
Tot Ion: 96 Resp: 21109

Ion Ratio Lower Upper

96 100

61 142.6 114.5 212.7

98 69.1 45.4 84.2



#20

cis-1,2-Dichloroethene

Concen: 311.195 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031928.D

Acq: 11 May 2019 14:03

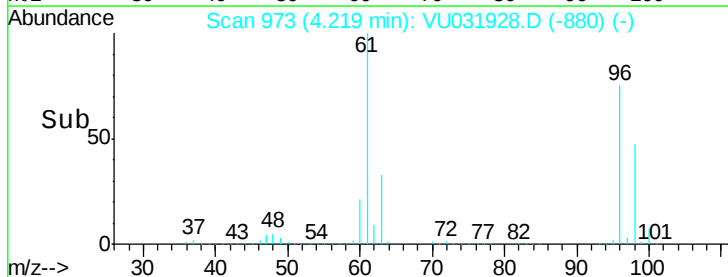
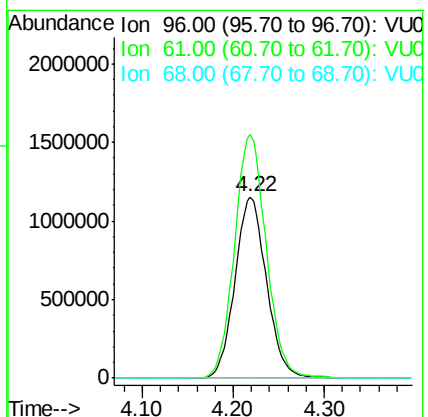
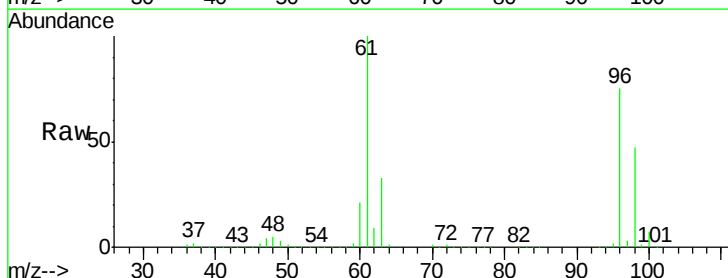
Tgt Ion: 96 Resp: 2775661

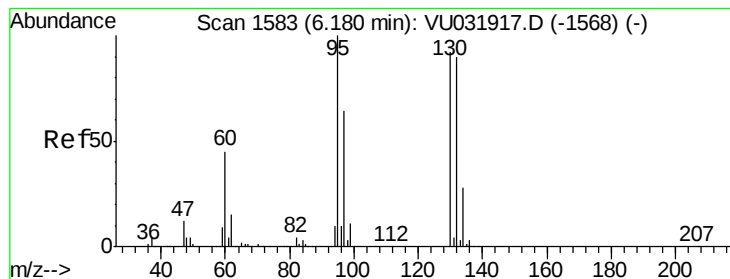
Ion Ratio Lower Upper

96 100

61 134.1 99.5 184.7

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 179.581 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU031928.D

Acq: 11 May 2019 14:03

Instrument :

MSVOA_U

ClientSampleId :

C0B53

Tot Ion: 95 Resp: 1617239

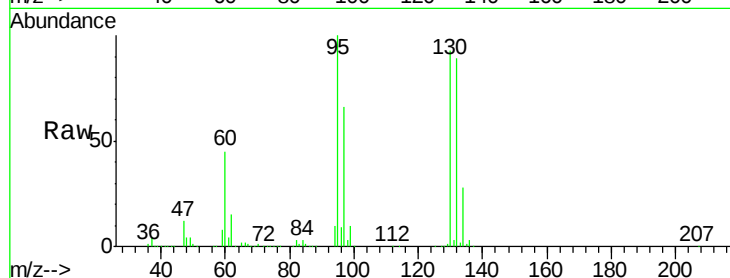
Ion Ratio Lower Upper

95 100

97 65.6 44.8 83.2

132 88.5 63.1 117.1

130 92.6 66.5 123.5

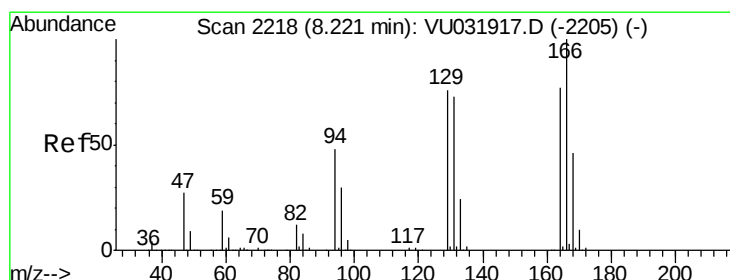
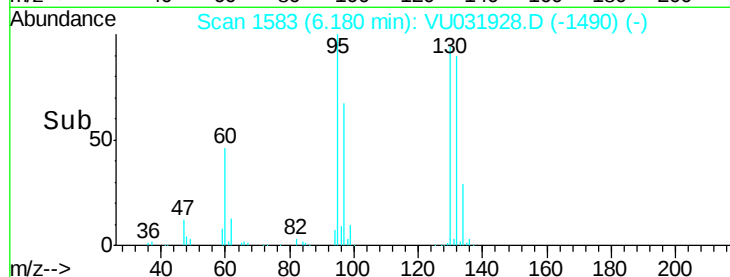
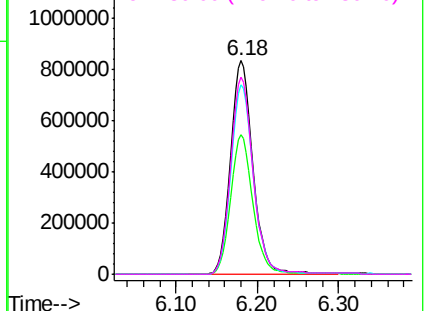


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 29.225 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031928.D

Acq: 11 May 2019 14:03

Tgt Ion:164 Resp: 179427

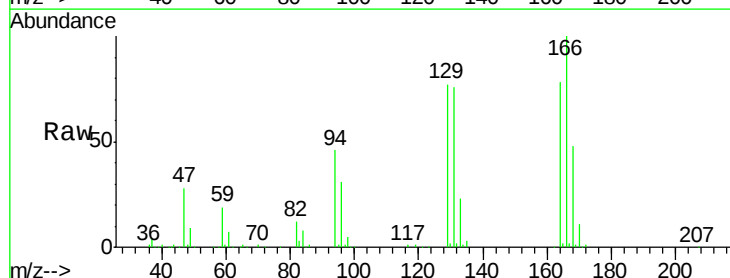
Ion Ratio Lower Upper

164 100

129 98.0 71.5 132.9

131 97.4 69.0 128.2

166 127.7 93.7 173.9



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

