

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071918\
 Data File : VR025523.D
 Acq On : 19 Jul 2018 16:09
 Operator : SY/MD
 Sample : J3960-11
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AG9

Quant Time: Jul 20 02:04:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 01:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	605330	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	490360	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	165627	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	119940	7.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	143.80%#
7) Chloroethane-d5	2.64	69	86712	6.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.00%
11) 1,1-Dichloroethene-d2	3.63	63	240911	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	6.60	46	272284	52.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.06%
24) Chloroform-d	7.21	84	440938	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	7.90	65	165965	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	7.86	84	972316	5.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.60%
36) 1,2-Dichloropropane-d6	8.90	67	275101	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.60%
41) Toluene-d8	9.97	98	857863	5.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.20%
43) trans-1,3-Dichloropropene-	10.24	79	66402	5.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.20%
46) 2-Hexanone-d5	10.59	63	242315	59.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.88%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	108574	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	184410	6.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	134.80%#

Target Compounds

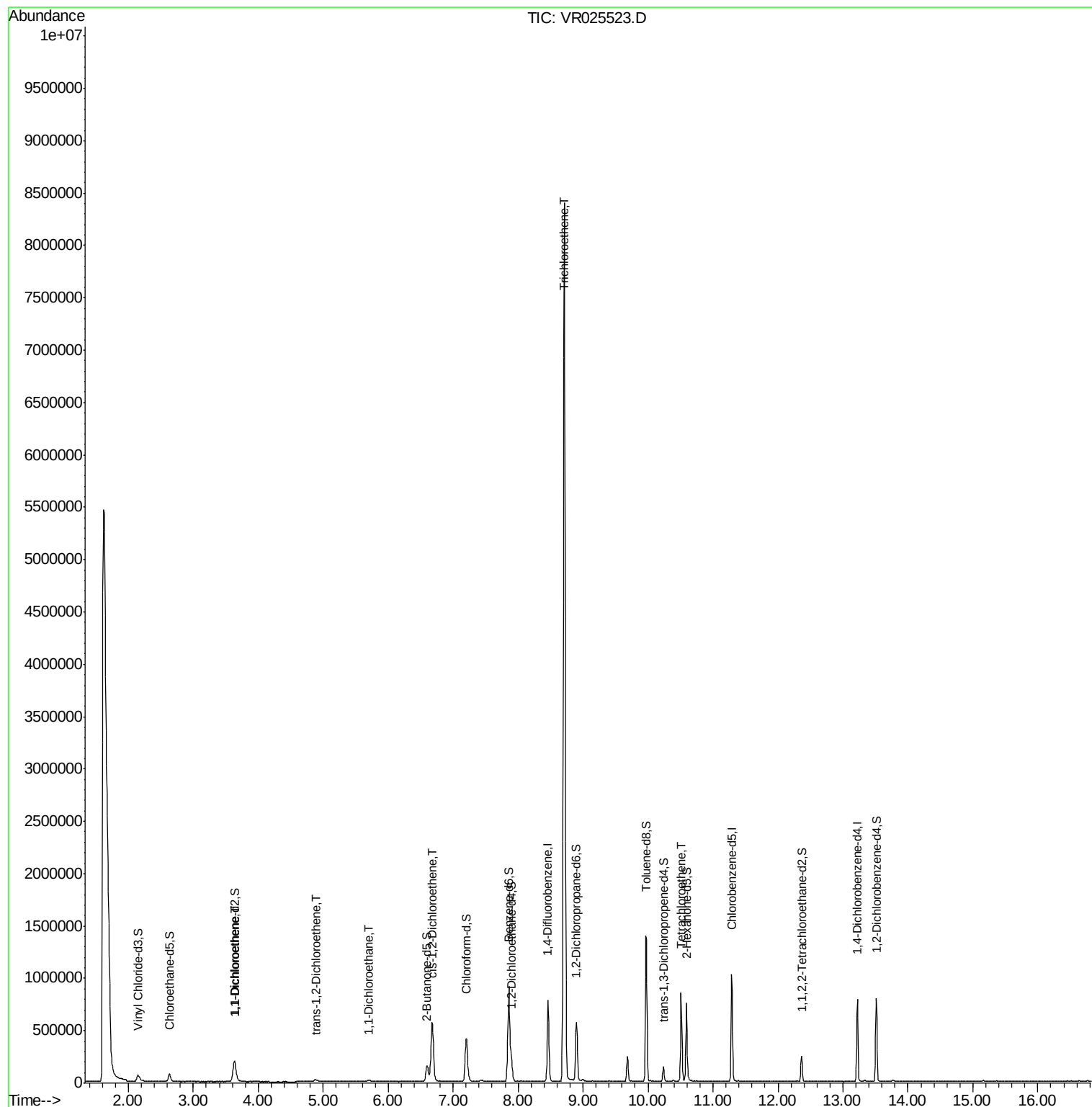
					Ovalue
12) 1,1-Dichloroethene	3.65	96	11008	0.61 ug/L	# 1
18) trans-1,2-Dichloroethene	4.89	96	10804	0.24 ug/L	# 59
19) 1,1-Dichloroethane	5.70	63	19546	0.25 ug/L	93
22) cis-1,2-Dichloroethene	6.67	96	355042	8.59 ug/L	90
34) Trichloroethene	8.71	95	3042309	70.70 ug/L	98
47) Tetrachloroethene	10.51	164	167391	5.96 ug/L	93

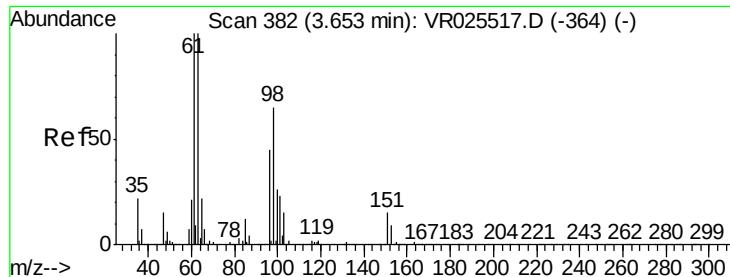
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 20 01:22:24 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.61 ug/L

RT: 3.65 min Scan# 381

Delta R.T. -0.01 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

Instrument :

MSVOA_R

ClientSampleId :

C0AG9

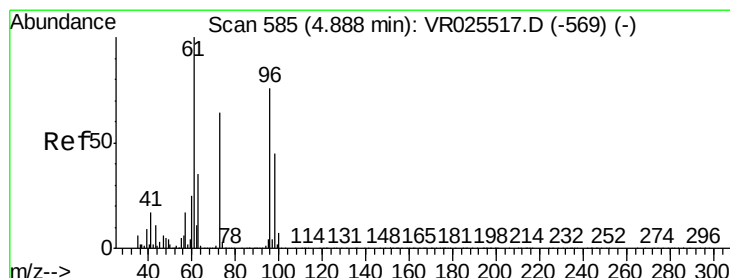
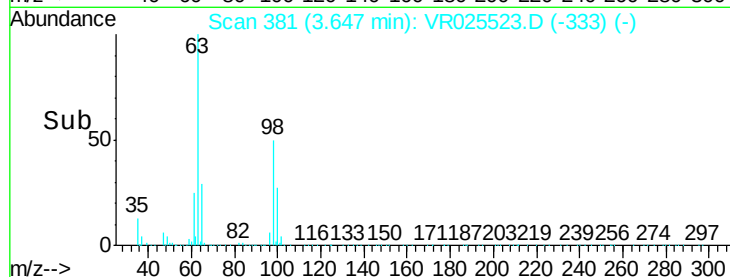
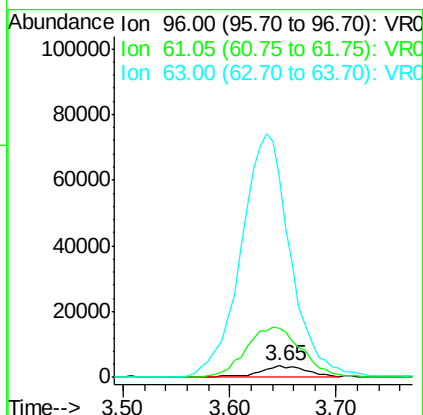
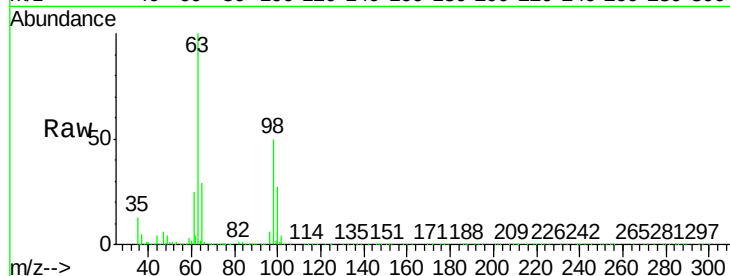
Tot Ion: 96 Resp: 11008

Ion Ratio Lower Upper

96 100

61 414.4 155.0 287.9#

63 1691.1 122.3 227.1#



#18

trans-1,2-Dichloroethene

Concen: 0.24 ug/L

RT: 4.89 min Scan# 585

Delta R.T. 0.00 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

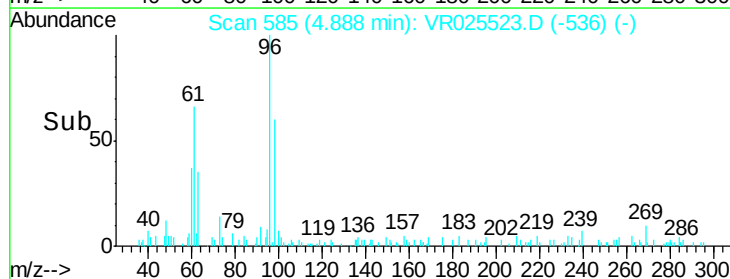
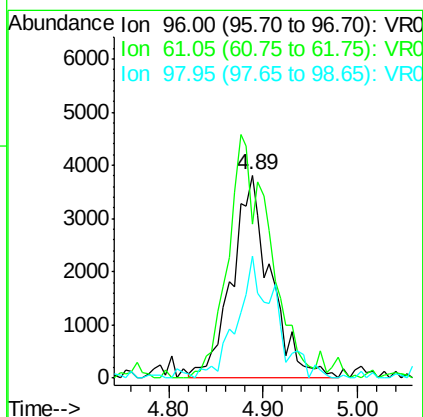
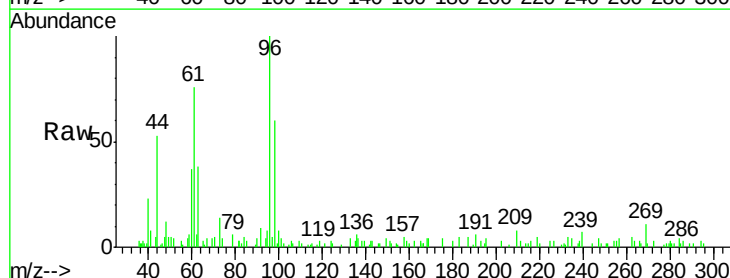
Tgt Ion: 96 Resp: 10804

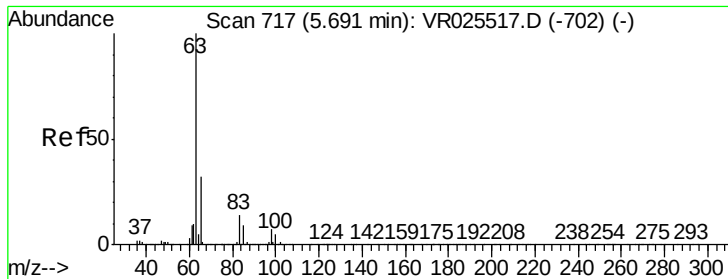
Ion Ratio Lower Upper

96 100

61 76.0 104.4 193.8#

98 60.2 43.1 80.1





#19

1,1-Dichloroethane

Concen: 0.25 ug/L

RT: 5.70 min Scan# 719

Delta R.T. 0.01 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

Instrument :

MSVOA_R

ClientSampleId :

C0AG9

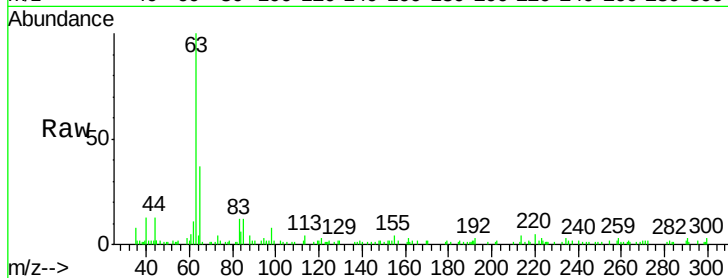
Tot Ion: 63 Resp: 19546

Ion Ratio Lower Upper

63 100

65 37.0 22.5 41.7

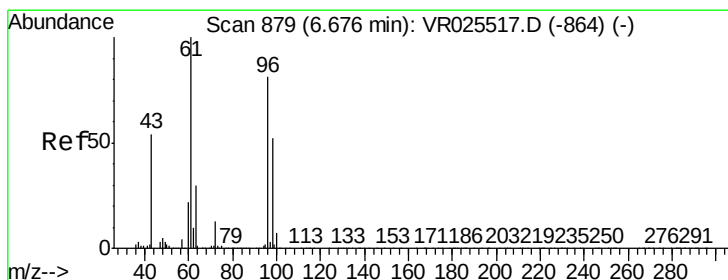
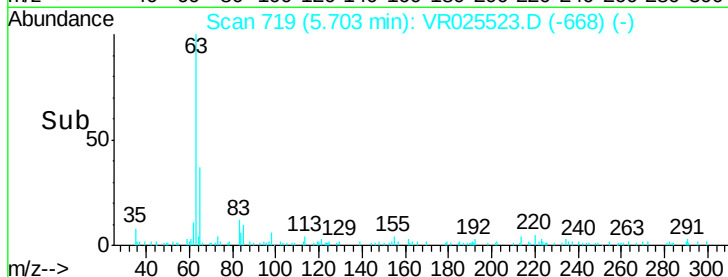
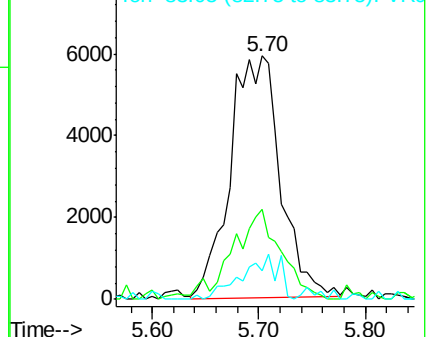
83 11.8 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#22

cis-1,2-Dichloroethene

Concen: 8.59 ug/L

RT: 6.67 min Scan# 878

Delta R.T. -0.01 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

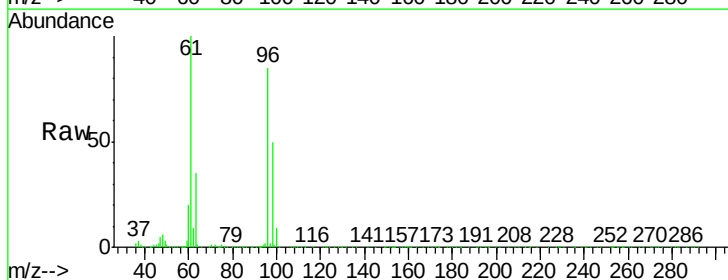
Tgt Ion: 96 Resp: 355042

Ion Ratio Lower Upper

96 100

61 117.8 91.0 169.0

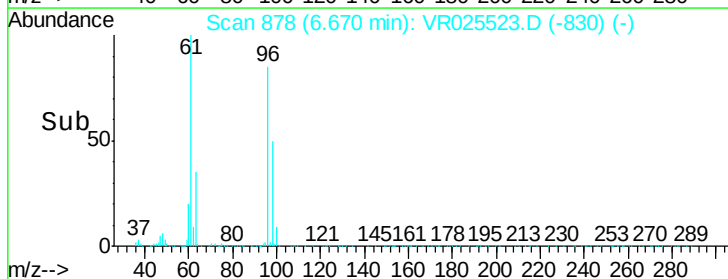
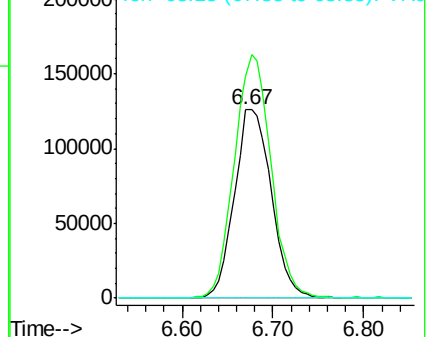
68 0.0 0.0 0.0

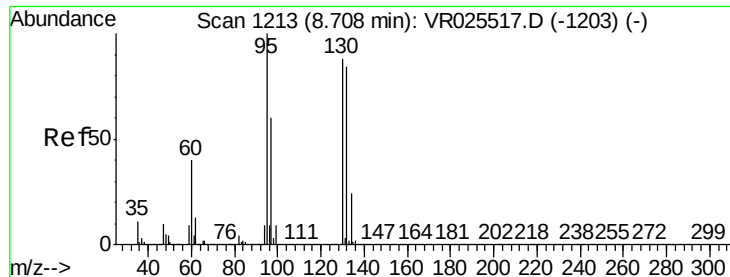


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0





#34

Trichloroethene

Concen: 70.70 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

Instrument :
MSVOA_R
ClientSampleId :
C0AG9

Tot Ion: 95 Resp: 3042309

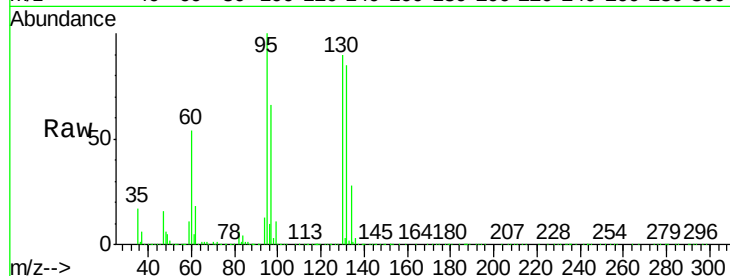
Ion Ratio Lower Upper

95 100

97 65.7 45.6 84.6

132 84.7 60.9 113.1

130 90.1 62.0 115.2

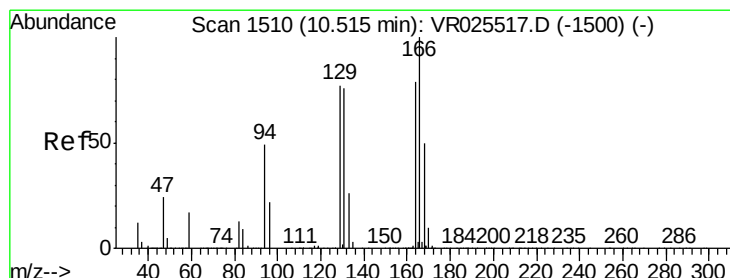
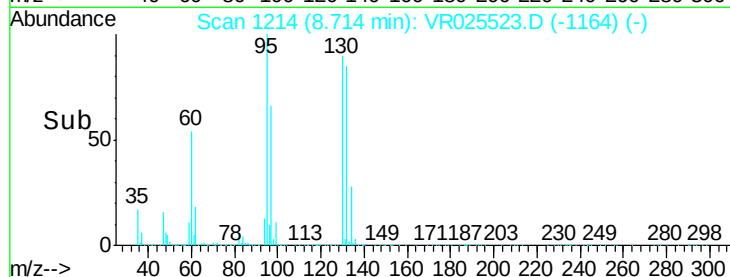
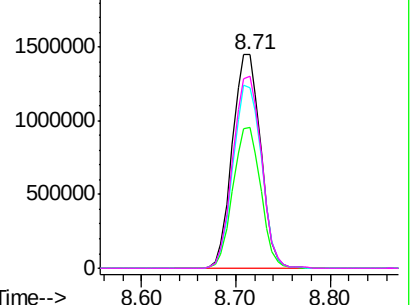


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 5.96 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

Tgt Ion:164 Resp: 167391

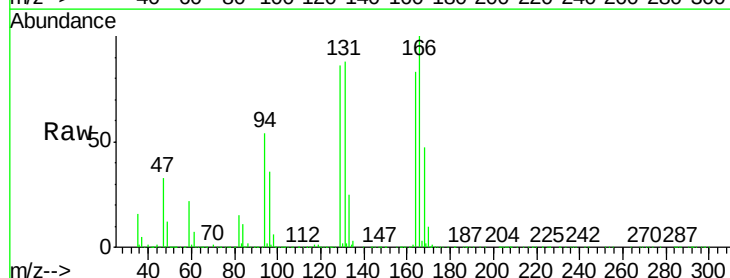
Ion Ratio Lower Upper

164 100

129 103.7 68.1 126.5

131 106.1 68.5 127.1

166 120.6 89.9 166.9



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

