

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071818\
 Data File : VR025510.D
 Acq On : 18 Jul 2018 17:12
 Operator : SY/MD
 Sample : J4002-11
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AG8

Quant Time: Jul 19 05:58:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 19 05:17:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	597440	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	500299	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	153653	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	80708	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	2.63	69	64256	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	3.63	63	193337	3.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	6.60	46	192403	37.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.22%
24) Chloroform-d	7.21	84	384299	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	7.90	65	144485	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	7.86	84	830015	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	8.90	67	239010	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	9.97	98	716831	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	10.24	79	50359	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	10.59	63	200429	48.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.38%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	102685	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	152497	6.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.20%#

Target Compounds

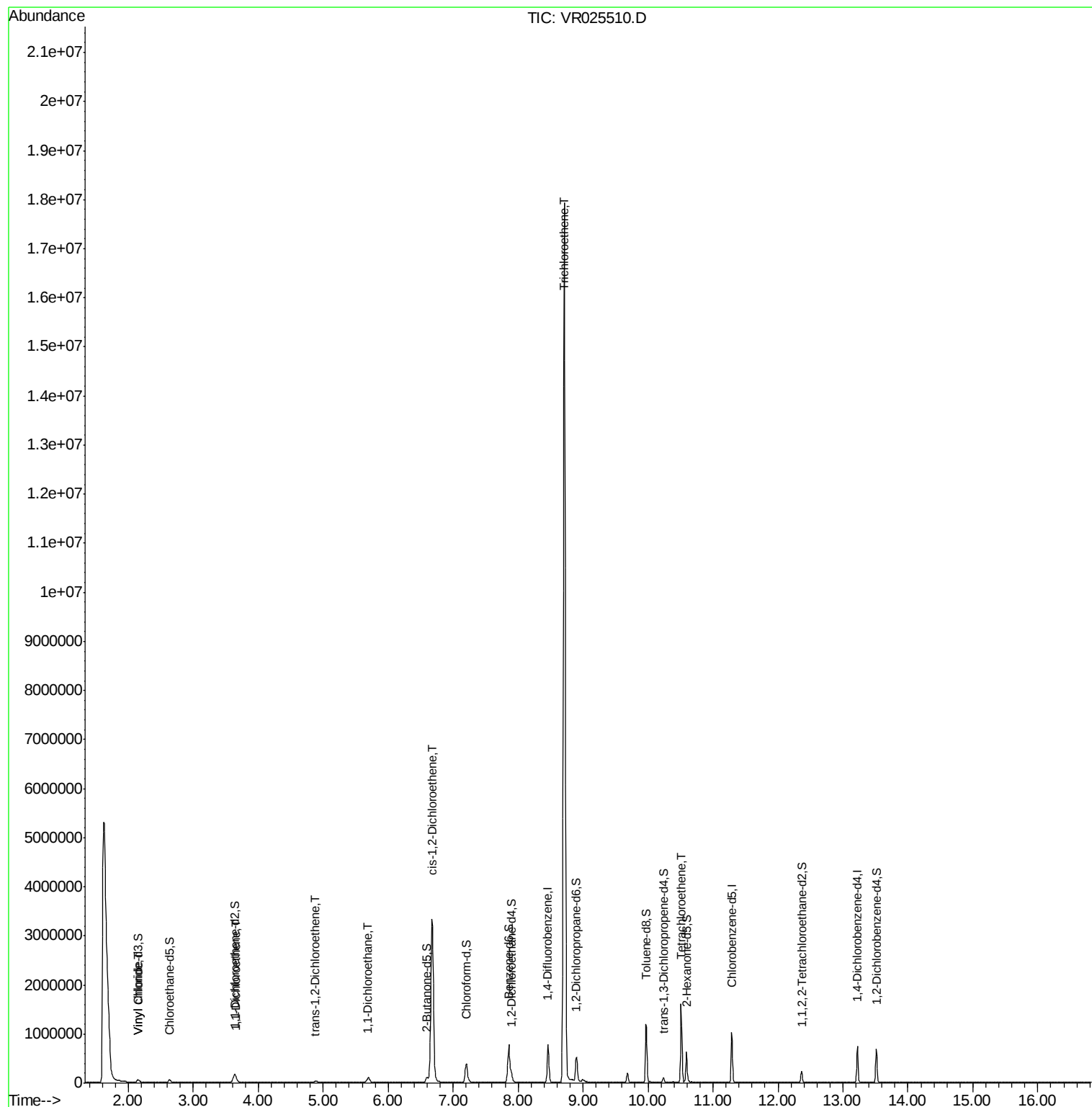
					Ovalue
5) Vinyl chloride	2.15	62	10905	0.61	ug/L # 61
12) 1,1-Dichloroethene	3.66	96	25669	1.44	ug/L # 27
18) trans-1,2-Dichloroethene	4.88	96	16512	0.37	ug/L 86
19) 1,1-Dichloroethane	5.69	63	139085	1.82	ug/L 98
22) cis-1,2-Dichloroethene	6.68	96	2161059	53.00	ug/L # 97
34) Trichloroethene	8.71	95	6334161	144.28	ug/L 95
47) Tetrachloroethene	10.52	164	324299	11.31	ug/L 99

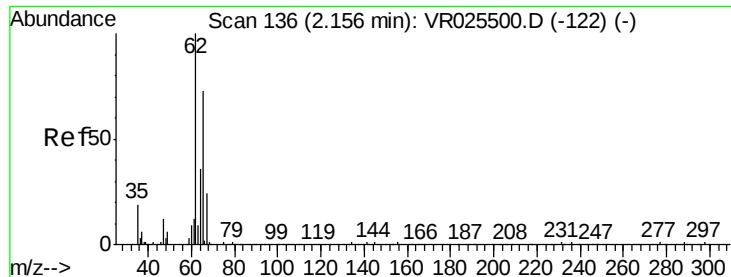
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.61 ug/L

RT: 2.15 min Scan# 135

Delta R.T. -0.01 min

Lab File: VR025510.D

Acq: 18 Jul 2018 17:12

Instrument :

MSVOA_R

ClientSampled :

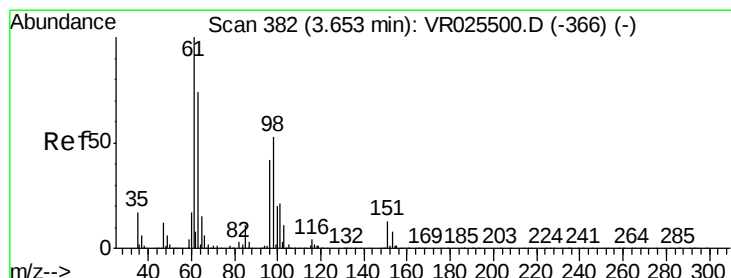
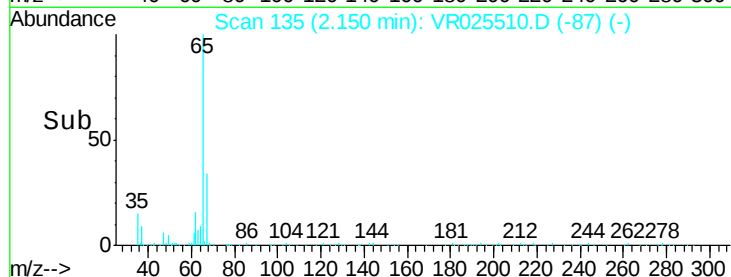
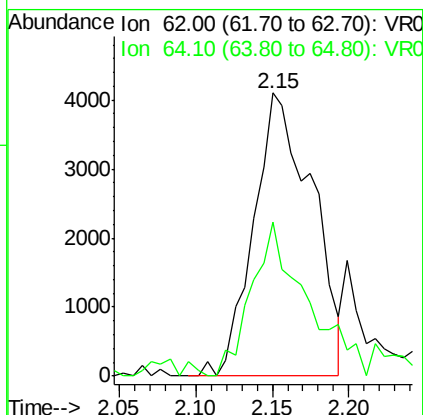
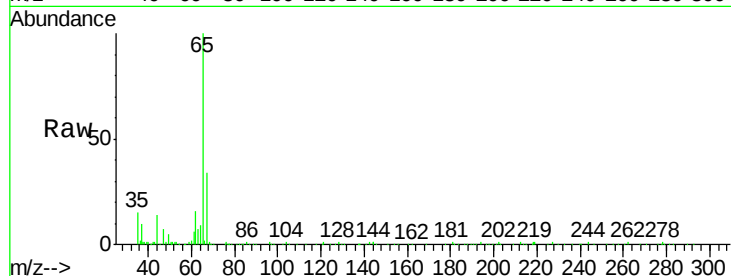
C0AG8

Tot Ion: 62 Resp: 10905

Ion Ratio Lower Upper

62 100

64 54.4 22.8 42.4#



#12

1,1-Dichloroethene

Concen: 1.44 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.01 min

Lab File: VR025510.D

Acq: 18 Jul 2018 17:12

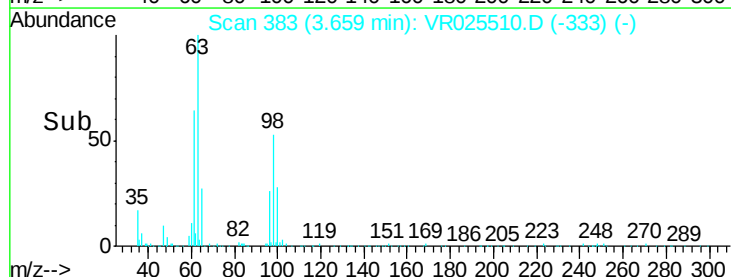
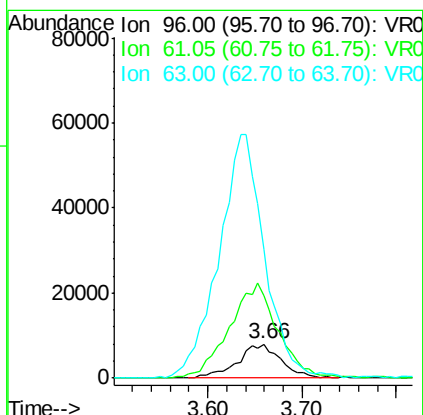
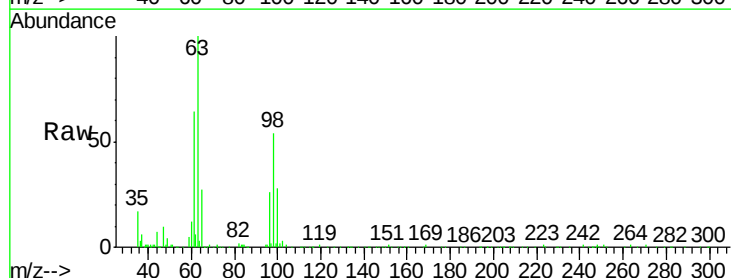
Tgt Ion: 96 Resp: 25669

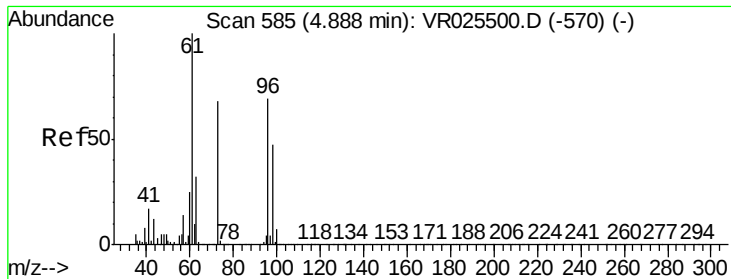
Ion Ratio Lower Upper

96 100

61 243.9 155.0 287.9

63 380.8 122.3 227.1#





#18

trans-1,2-Dichloroethene

Concen: 0.37 ug/L

RT: 4.88 min Scan# 584

Delta R.T. -0.01 min

Lab File: VR025510.D

Acq: 18 Jul 2018 17:12

Instrument :

MSVOA_R

ClientSampleId :

C0AG8

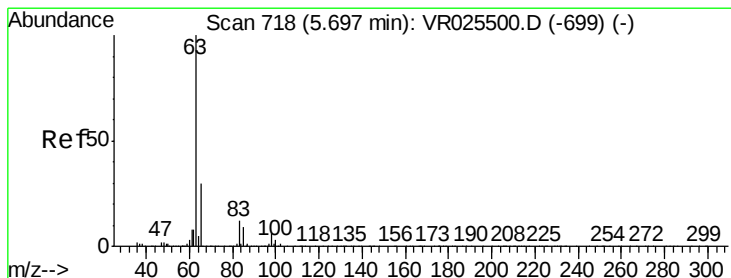
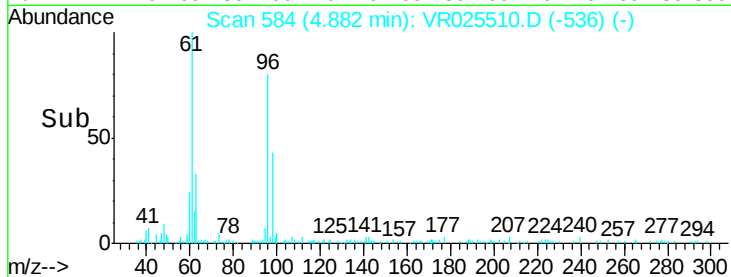
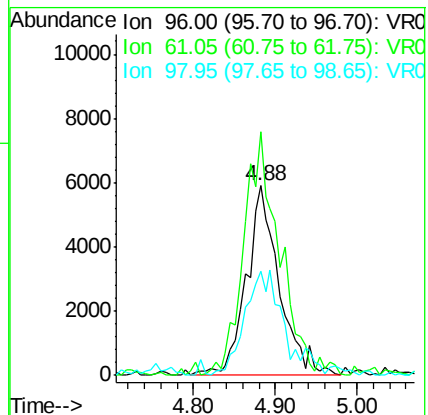
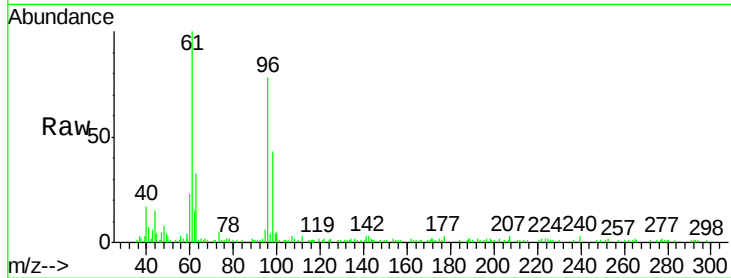
Tot Ion: 96 Resp: 16512

Ion Ratio Lower Upper

96 100

61 128.4 104.4 193.8

98 55.1 43.1 80.1



#19

1,1-Dichloroethane

Concen: 1.82 ug/L

RT: 5.69 min Scan# 717

Delta R.T. -0.01 min

Lab File: VR025510.D

Acq: 18 Jul 2018 17:12

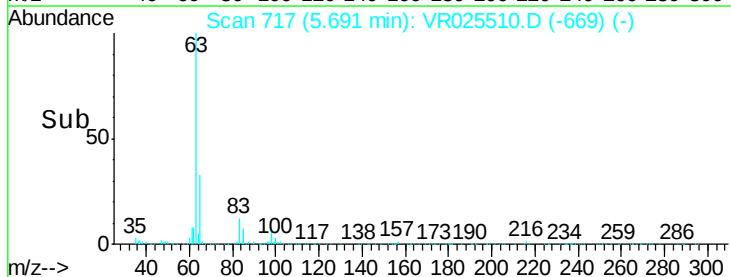
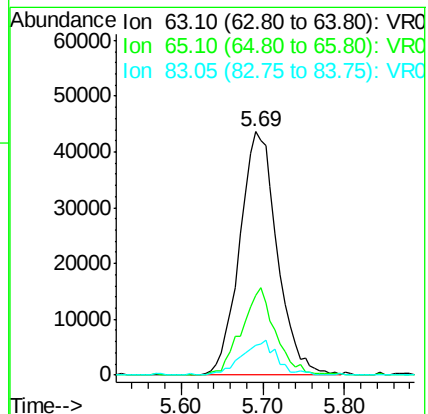
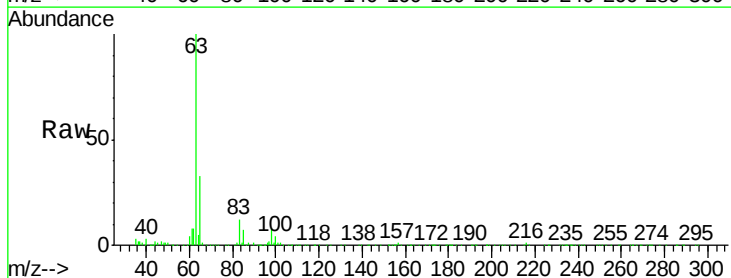
Tgt Ion: 63 Resp: 139085

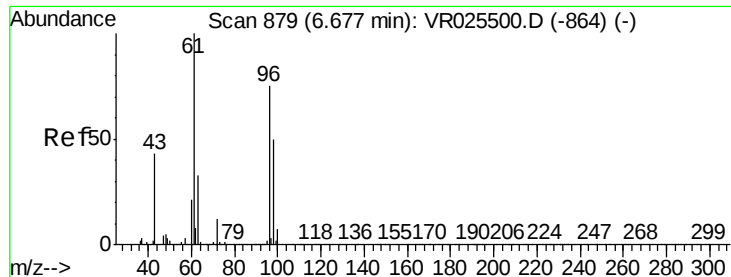
Ion Ratio Lower Upper

63 100

65 32.8 22.5 41.7

83 12.4 9.5 17.7





#22

cis-1,2-Dichloroethene

Concen: 53.00 ug/L

RT: 6.68 min Scan# 879

Delta R.T. -0.00 min

Lab File: VR025510.D

Acq: 18 Jul 2018 17:12

Instrument :

MSVOA_R

ClientSampleId :

C0AG8

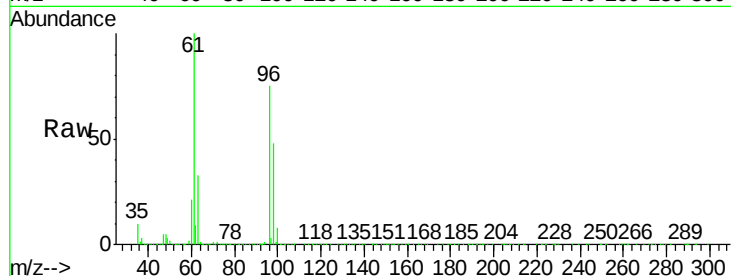
Tot Ion: 96 Resp: 2161059

Ion Ratio Lower Upper

96 100

61 132.9 91.0 169.0

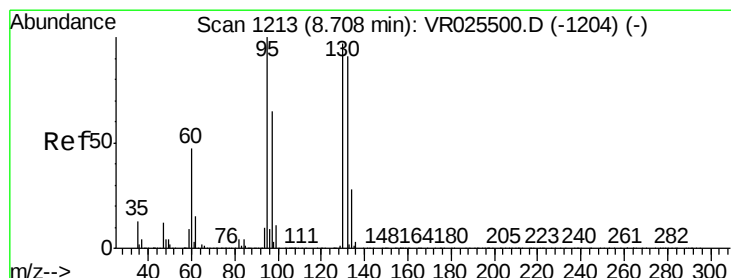
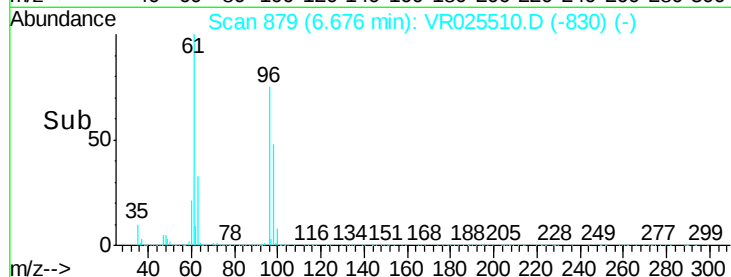
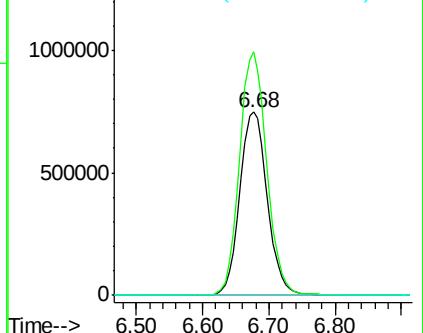
68 0.0 0.0 0.0#



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: 144.28 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VR025510.D

Acq: 18 Jul 2018 17:12

Tgt Ion: 95 Resp: 6334161

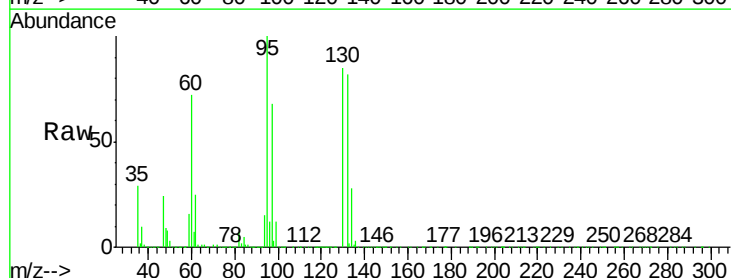
Ion Ratio Lower Upper

95 100

97 68.3 45.6 84.6

132 81.7 60.9 113.1

130 85.0 62.0 115.2

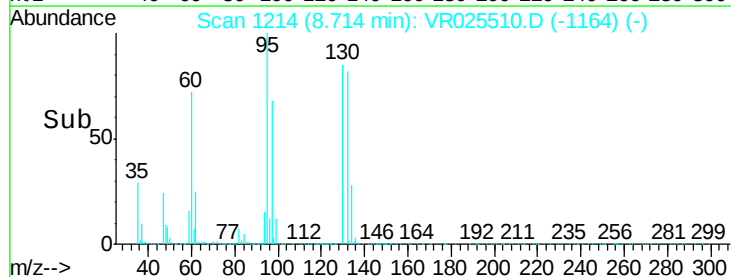
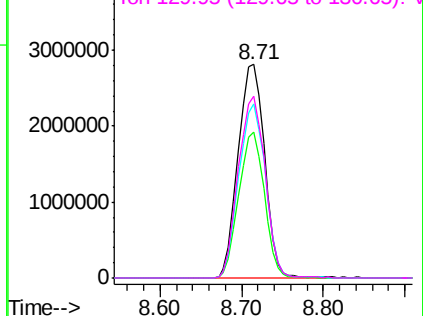


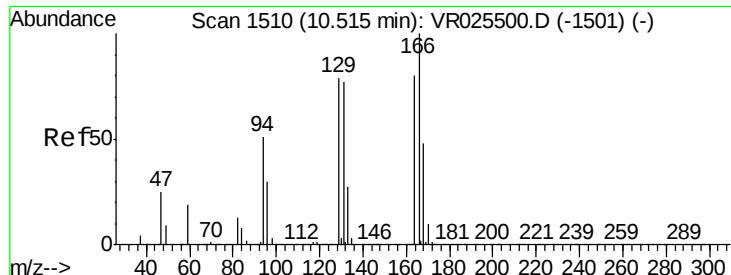
Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 11.31 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VR025510.D

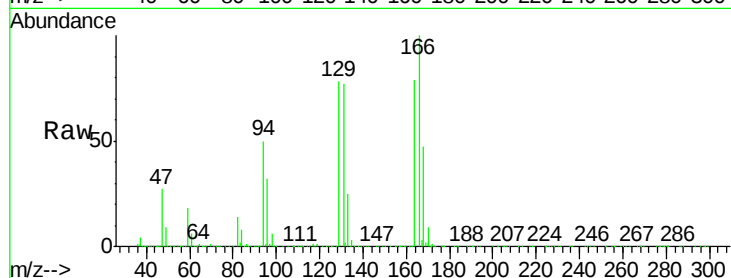
Acq: 18 Jul 2018 17:12

Instrument :

MSVOA_R

ClientSampleId :

C0AG8



Tot Ion:164 Resp: 324299

Ion Ratio Lower Upper

164 100

129 99.1 68.1 126.5

131 97.8 68.5 127.1

166 127.1 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

