

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR062118\
 Data File : VR025396.D
 Acq On : 21 Jun 2018 13:33
 Operator : SY/MD
 Sample : J3514-19
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0KH6

Quant Time: Jun 22 03:48:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 02:50:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	552621	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	482488	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	158132	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	67023	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	2.64	69	55200	3.99	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	3.65	63	200343	4.14	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.80%
20) 2-Butanone-d5	6.60	46	297468	58.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.92%
24) Chloroform-d	7.20	84	352595	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	7.89	65	143768	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	7.86	84	718120	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	8.90	67	234195	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	9.97	98	592457	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	10.24	79	46322	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	10.59	63	252151	58.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.46%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	104974	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	143585	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

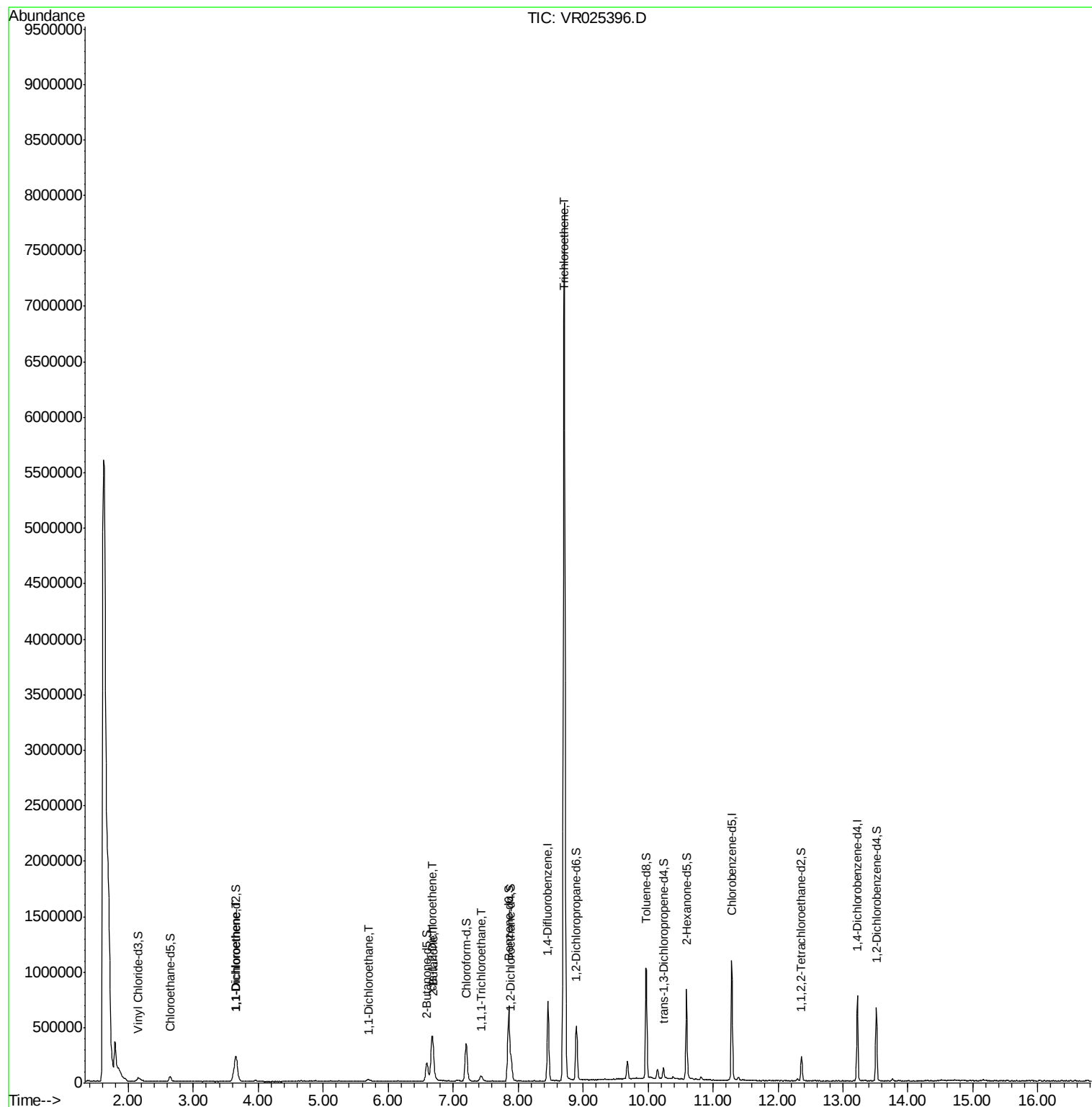
					Ovalue
12) 1,1-Dichloroethene	3.66	96	84887	4.37 ug/L	93
19) 1,1-Dichloroethane	5.70	63	20583	0.27 ug/L	# 81
21) 2-Butanone	6.69	43	50008	9.29 ug/L	92
22) cis-1,2-Dichloroethene	6.68	96	226202	5.43 ug/L	95
29) 1,1,1-Trichloroethane	7.43	97	40904	0.71 ug/L	96
34) Trichloroethene	8.71	95	2801006	61.11 ug/L	99

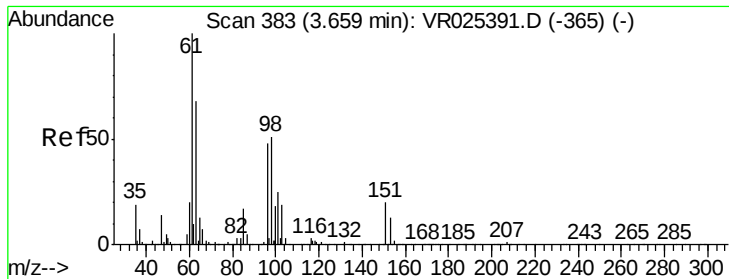
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.37 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.00 min

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Acq: 21 Jun 2018 13:33

Instrument :

MSVOA_R

ClientSampleId :

C0KH6

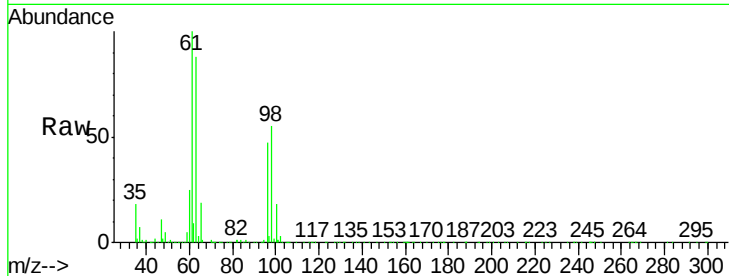
Tot Ion: 96 Resp: 84887

Ion Ratio Lower Upper

96 100

61 213.2 155.0 287.9

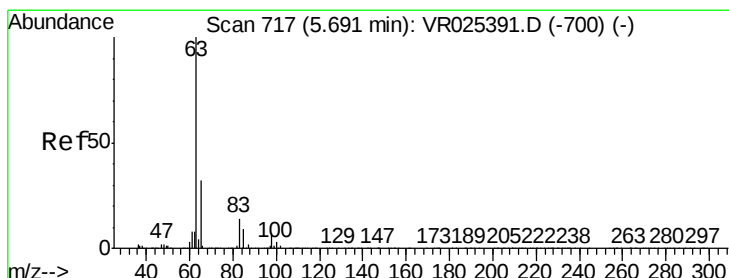
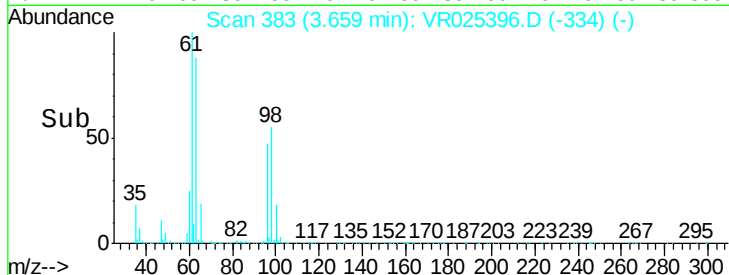
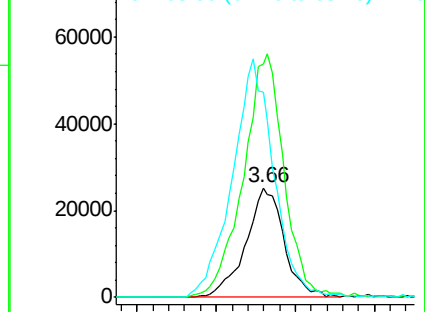
63 187.5 122.3 227.1



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#19

1,1-Dichloroethane

Concen: 0.27 ug/L

RT: 5.70 min Scan# 719

Delta R.T. 0.01 min

Lab File: VR025396.D

Acq: 21 Jun 2018 13:33

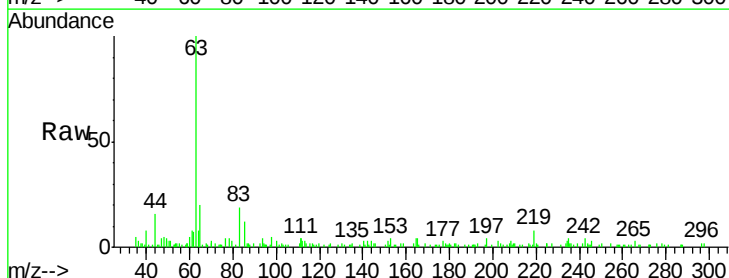
Tgt Ion: 63 Resp: 20583

Ion Ratio Lower Upper

63 100

65 20.1 22.5 41.7#

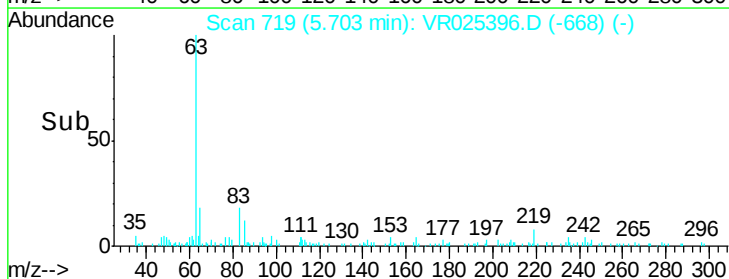
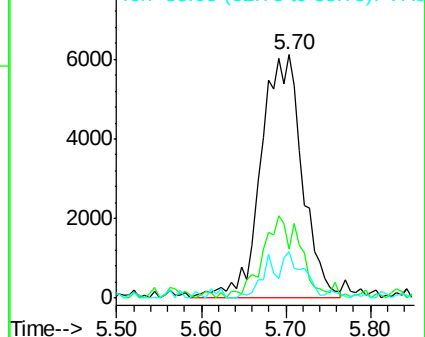
83 19.3 9.5 17.7#

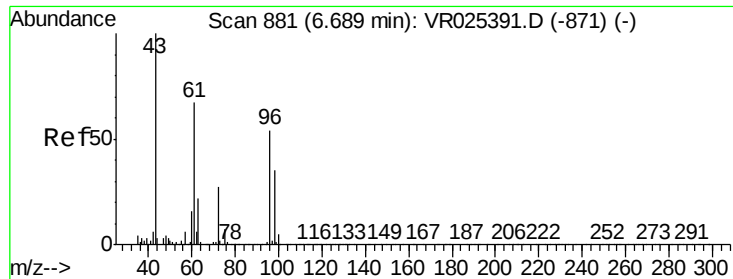


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0





#21

2-Butanone

Concen: 9.29 ug/L

RT: 6.69 min Scan# 882

Delta R.T. 0.01 min

Lab File: VR025396.D

Acq: 21 Jun 2018 13:33

Instrument :

MSVOA_R

ClientSampleId :

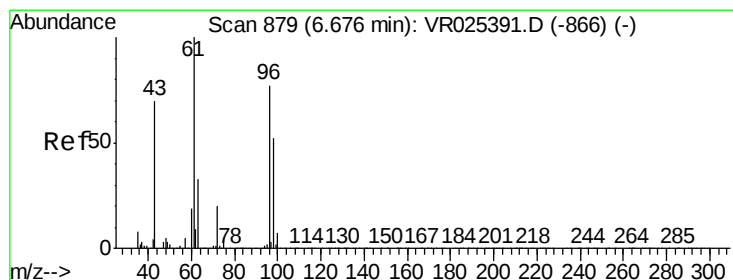
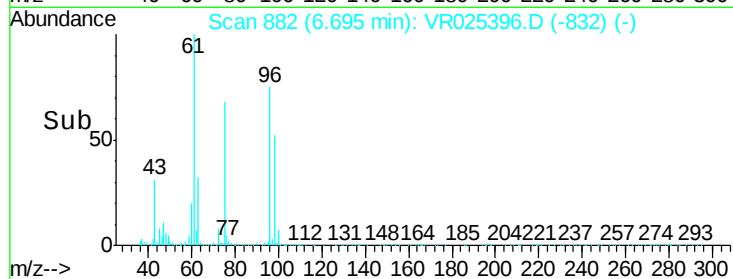
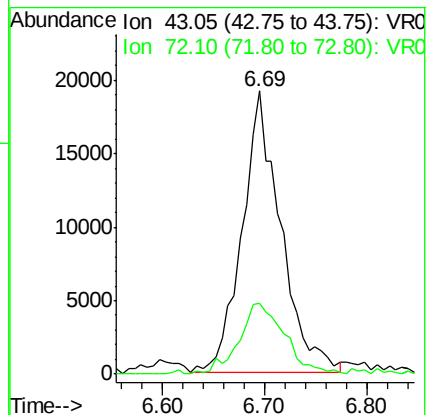
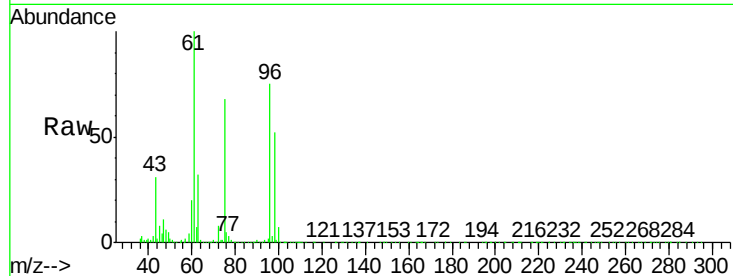
C0KH6

Tot Ion: 43 Resp: 50008

Ion Ratio Lower Upper

43 100

72 30.0 13.0 38.9



#22

cis-1,2-Dichloroethene

Concen: 5.43 ug/L

RT: 6.68 min Scan# 880

Delta R.T. 0.01 min

Lab File: VR025396.D

Acq: 21 Jun 2018 13:33

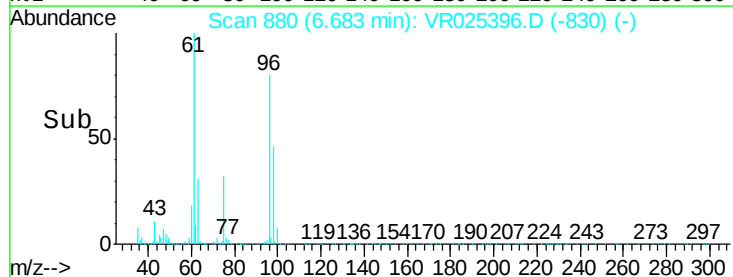
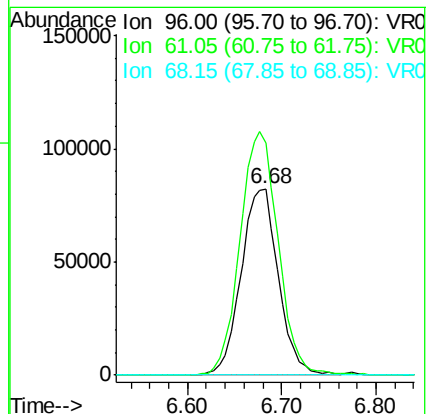
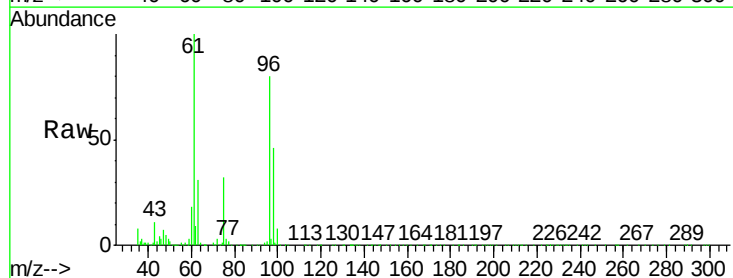
Tgt Ion: 96 Resp: 226202

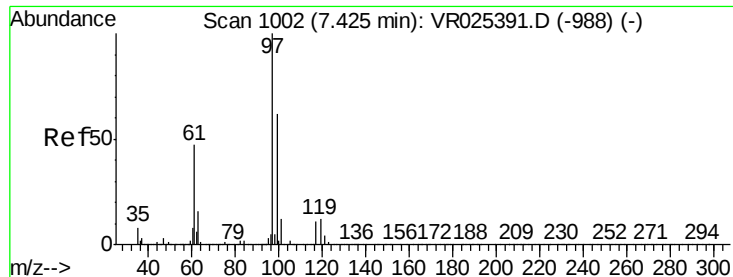
Ion Ratio Lower Upper

96 100

61 124.3 91.0 169.0

68 0.0 0.0 0.0

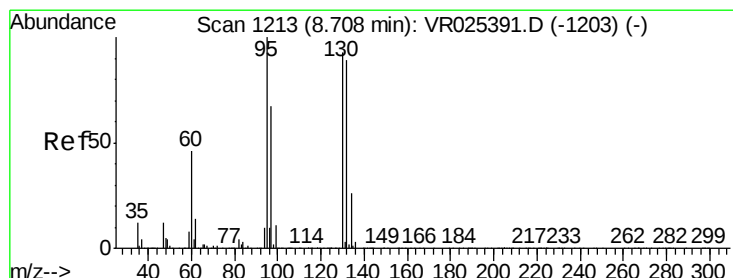
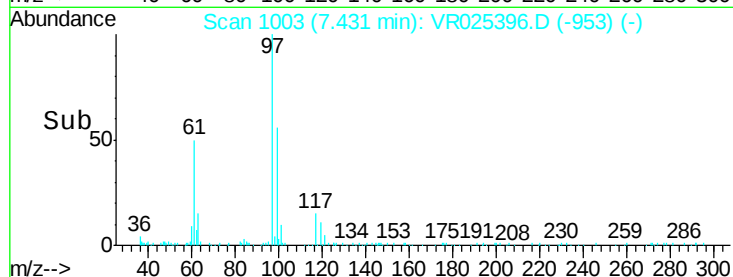
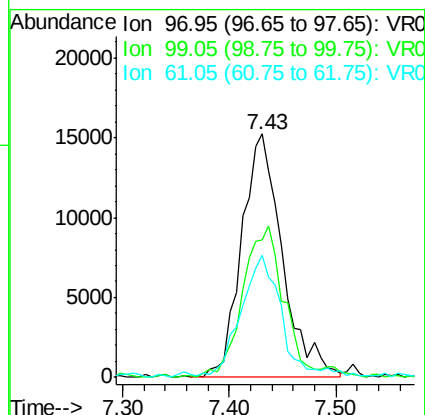
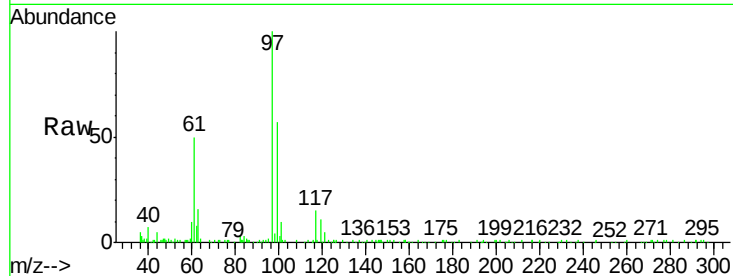




#29
1,1,1-Trichloroethane
Concen: 0.71 ug/L
RT: 7.43 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VR025396.D
Acq: 21 Jun 2018 13:33

Instrument :
MSVOA_R
ClientSampleId :
C0KH6

Tot Ion: 97 Resp: 40904
Ion Ratio Lower Upper
97 100
99 62.2 52.1 78.1
61 49.4 37.0 55.6



#34
Trichloroethene
Concen: 61.11 ug/L
RT: 8.71 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VR025396.D
Acq: 21 Jun 2018 13:33

Tgt Ion: 95 Resp: 2801006
Ion Ratio Lower Upper
95 100
97 64.6 45.6 84.6
132 84.4 60.9 113.1
130 88.7 62.0 115.2

