

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 01:24:33 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

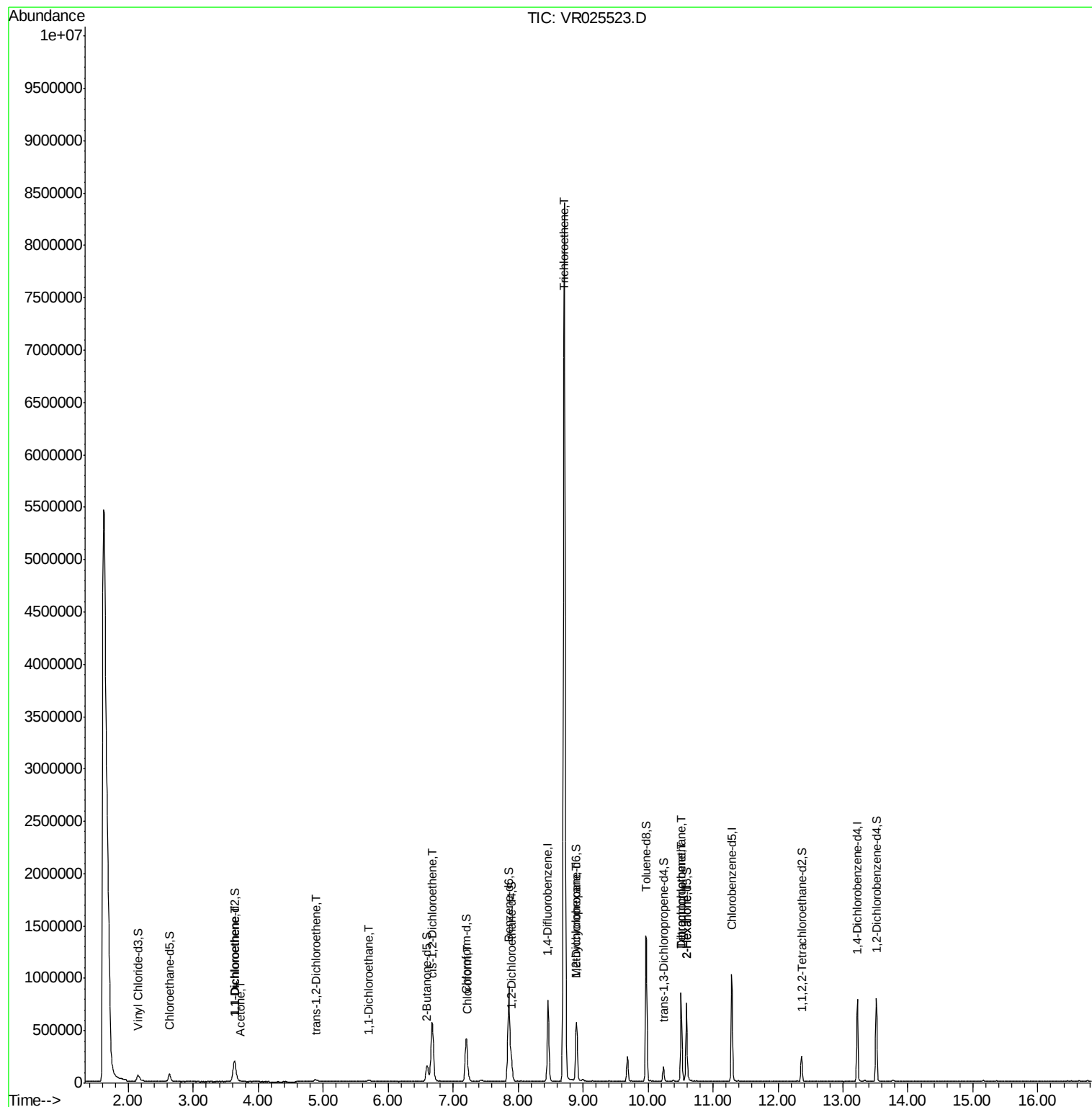
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.65	96	11008	0.608	ug/L #	1
13) Acetone	3.72	43	5015	2.147	ug/L	86
18) trans-1,2-Dichloroethene	4.89	96	10804	0.240	ug/L #	59
19) 1,1-Dichloroethane	5.70	63	19546	0.253	ug/L	93
22) cis-1,2-Dichloroethene	6.67	96	355042	8.594	ug/L	90
25) Chloroform	7.23	83	24966	0.337	ug/L	89
34) Trichloroethene	8.71	95	3042309	70.704	ug/L	98
35) Methylcyclohexane	8.90	83	64869	1.128	ug/L #	17
47) Tetrachloroethene	10.51	164	167391	5.958	ug/L	93
48) 2-Hexanone	10.59	43	28453	3.633	ug/L #	69
49) Dibromochloromethane	10.52	129	158400	7.892	ug/L #	10

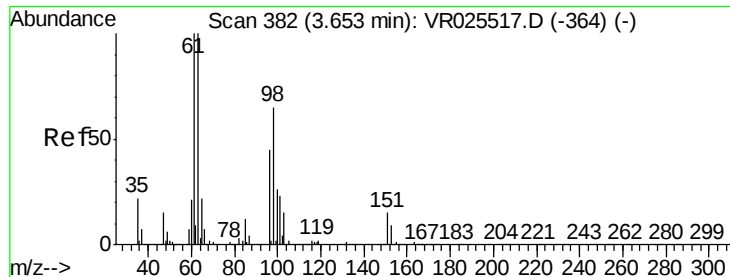
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.608 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

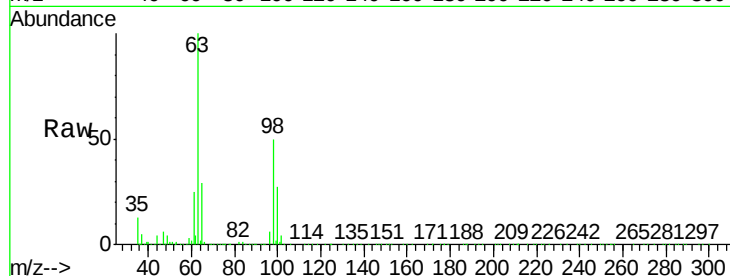
Tgt Ion: 96 Resp: 11008

Ion Ratio Lower Upper

96 100

61 414.4 155.0 287.9#

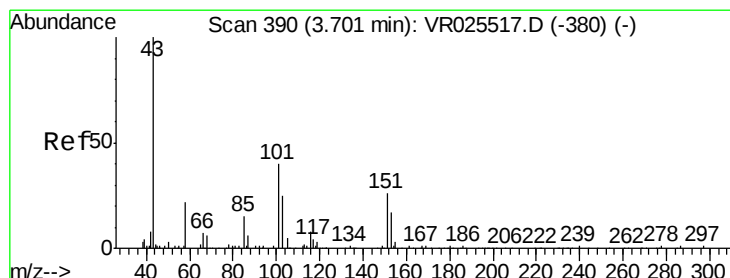
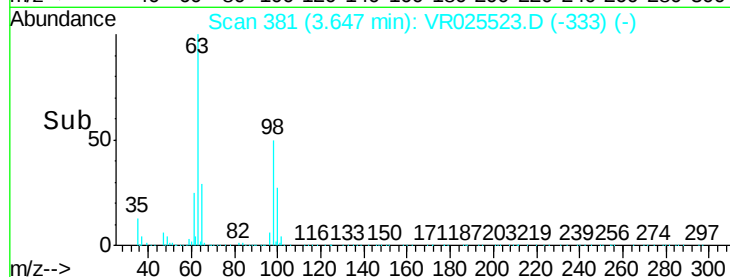
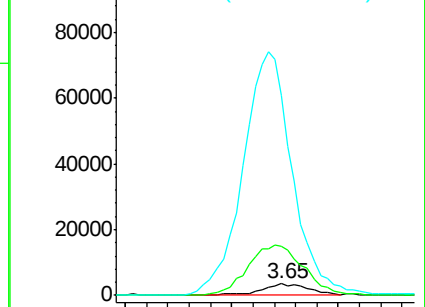
63 1691.1 122.3 227.1#



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



#13

Acetone

Concen: 2.147 ug/L

RT: 3.72 min Scan# 393

Delta R.T. 0.02 min

Lab File: VR025523.D

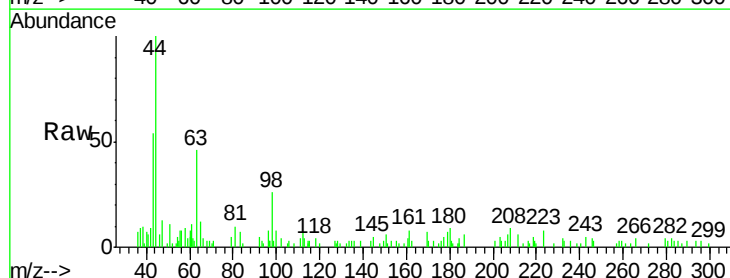
Acq: 19 Jul 2018 16:09

Tgt Ion: 43 Resp: 5015

Ion Ratio Lower Upper

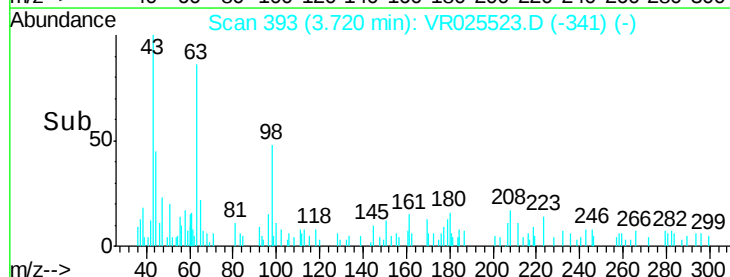
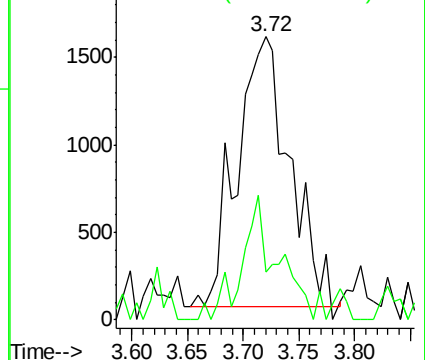
43 100

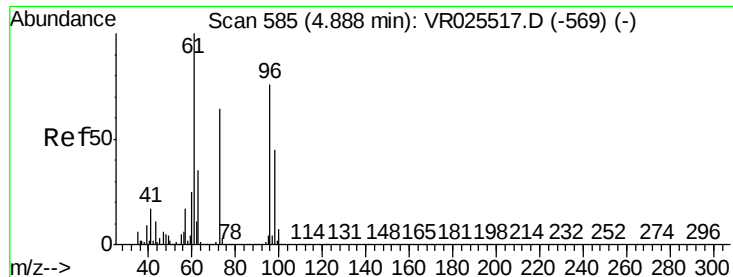
58 14.5 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0





#18

trans-1,2-Dichloroethene

Concen: 0.240 ug/L

RT: 4.89 min Scan# 585

Delta R.T. 0.00 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

Instrument :

MSVOA_R

ClientSampled :

C0AG9

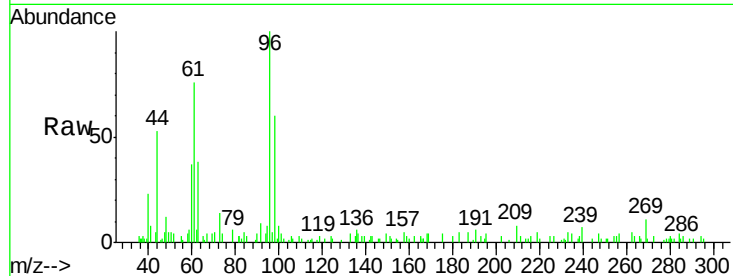
Tgt Ion: 96 Resp: 10804

Ion Ratio Lower Upper

96 100

61 76.0 104.4 193.8#

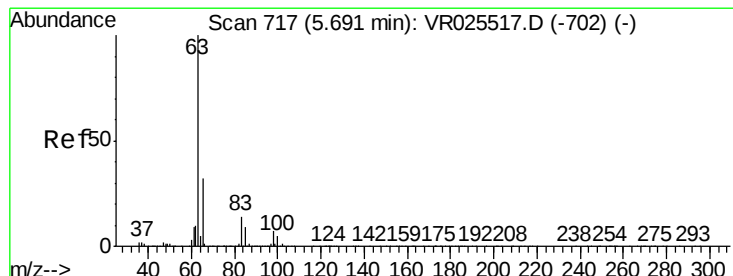
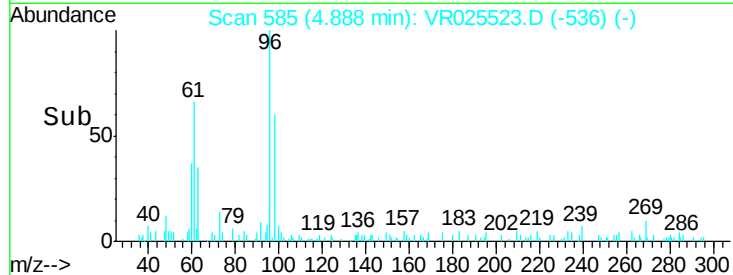
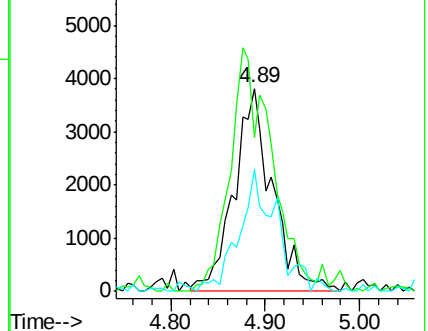
98 60.2 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0



#19

1,1-Dichloroethane

Concen: 0.253 ug/L

RT: 5.70 min Scan# 719

Delta R.T. 0.01 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

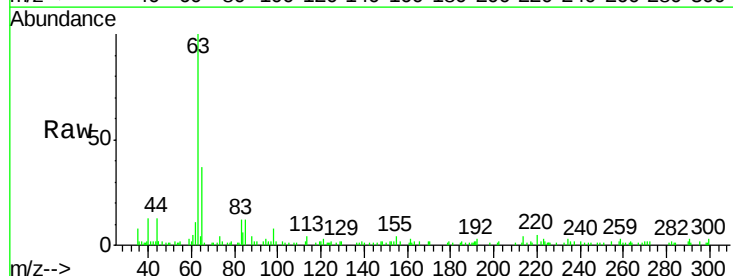
Tgt Ion: 63 Resp: 19546

Ion Ratio Lower Upper

63 100

65 37.0 22.5 41.7

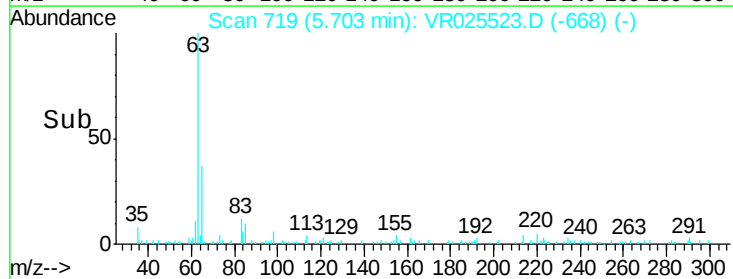
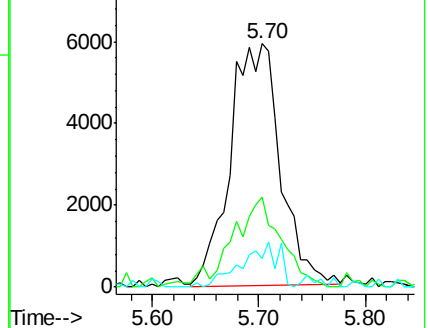
83 11.8 9.5 17.7

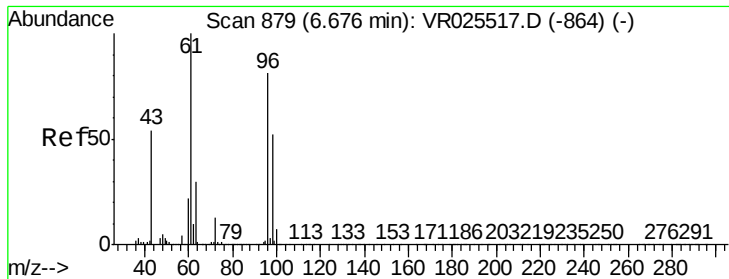


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0





#22

cis-1,2-Dichloroethene

Concen: 8.594 ug/L

RT: 6.67 min Scan# 878

Delta R.T. -0.01 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

Instrument :

MSVOA_R

ClientSampleId :

C0AG9

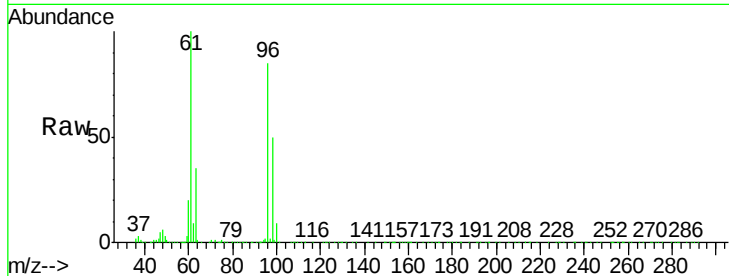
Tgt Ion: 96 Resp: 355042

Ion Ratio Lower Upper

96 100

61 117.8 91.0 169.0

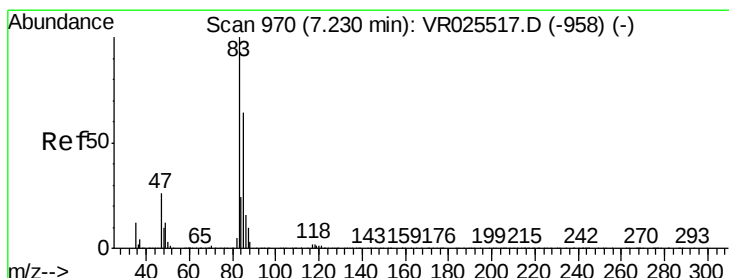
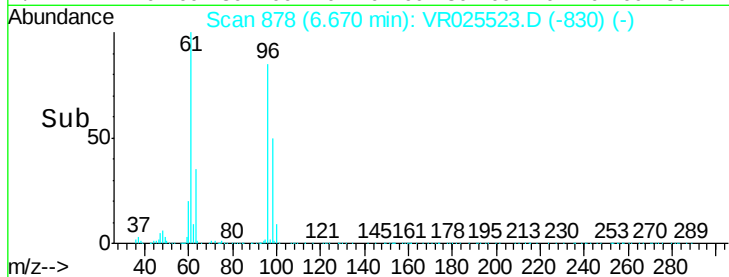
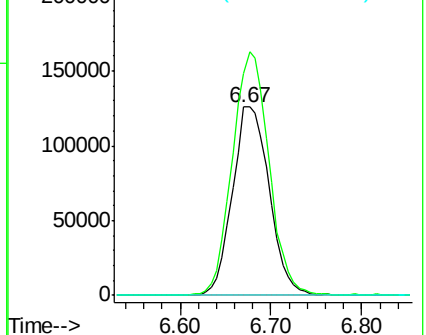
68 0.0 0.0 0.0



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



#25

Chloroform

Concen: 0.337 ug/L

RT: 7.23 min Scan# 970

Delta R.T. 0.00 min

Lab File: VR025523.D

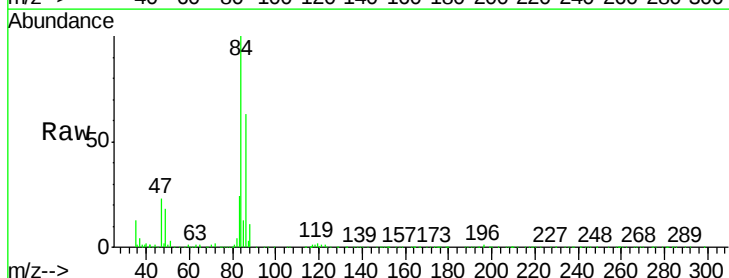
Acq: 19 Jul 2018 16:09

Tgt Ion: 83 Resp: 24966

Ion Ratio Lower Upper

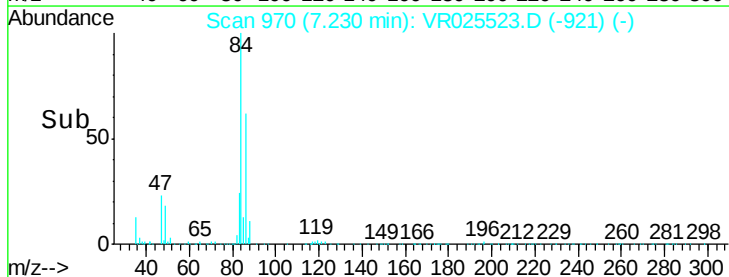
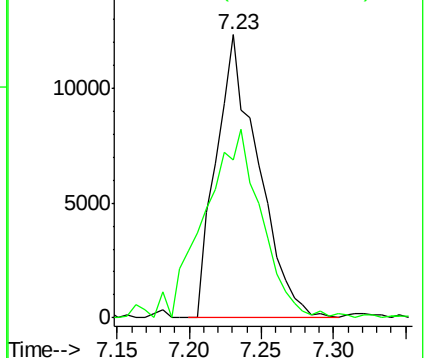
83 100

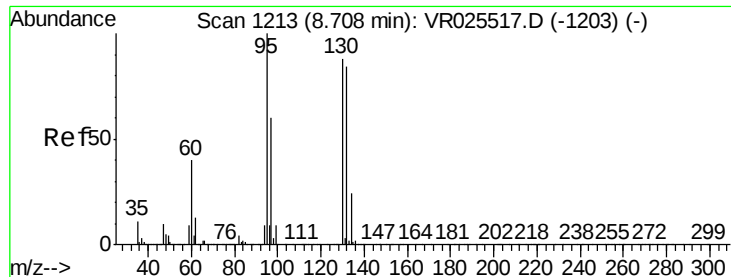
85 55.9 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

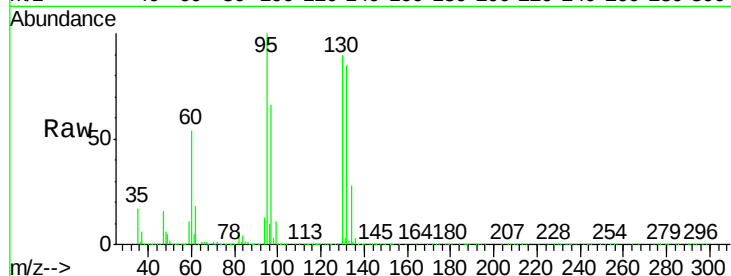




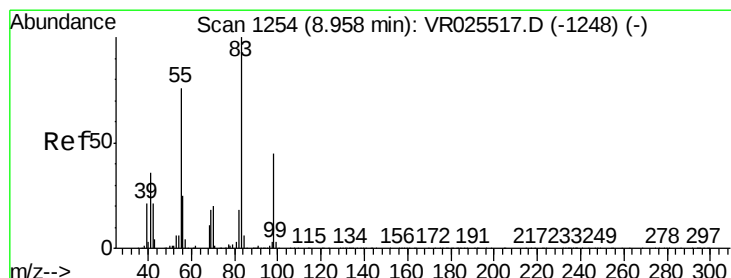
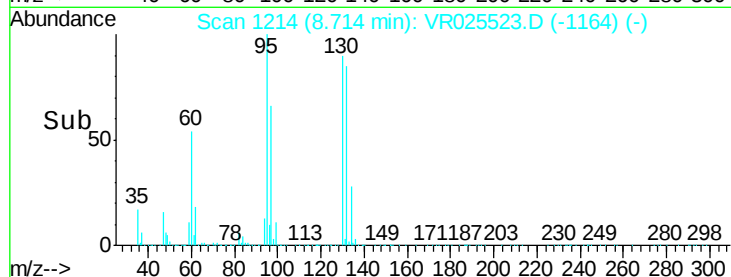
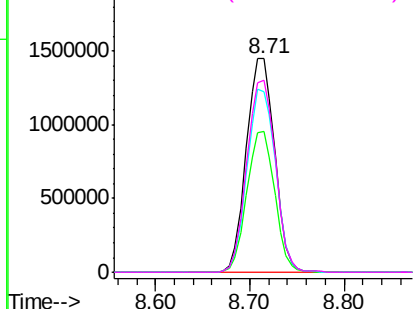
#34
 Trichloroethene
 Concen: 70.704 ug/L
 RT: 8.71 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: VR025523.D
 Acq: 19 Jul 2018 16:09

Instrument :
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 C0AG9

Tgt 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

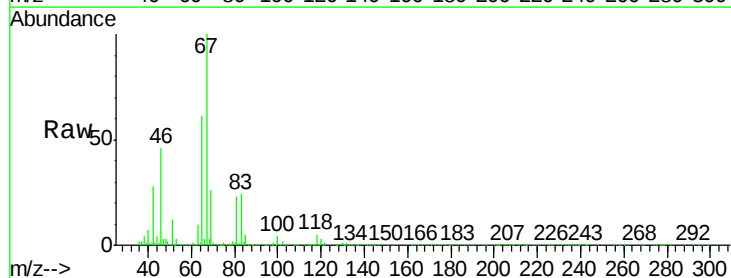


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

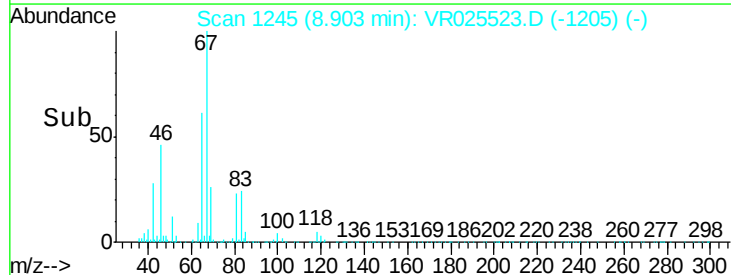
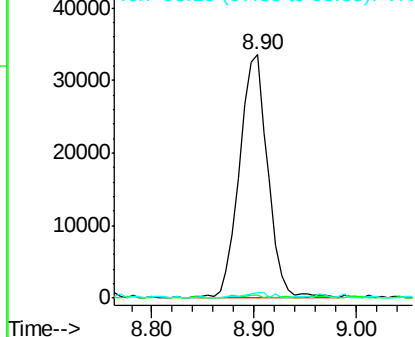


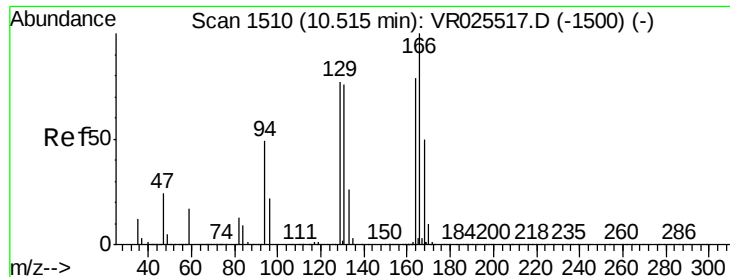
#35
 Methylcyclohexane
 Concen: 1.128 ug/L
 RT: 8.90 min Scan# 1245
 Delta R.T. -0.05 min
 Lab File: VR025523.D
 Acq: 19 Jul 2018 16:09

Tgt Ion: 83 Resp: 64869
 Ion Ratio Lower Upper
 83 100
 55 1.4 66.1 99.1#
 98 0.0 36.2 54.4#



Abundance Ion 83.15 (82.85 to 83.85): VR0
 Ion 55.10 (54.80 to 55.80): VR0
 Ion 98.15 (97.85 to 98.85): VR0





#47

Tetrachloroethene

Concen: 5.958 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

Instrument :

MSVOA_R

ClientSampleId :

C0AG9

Tgt Ion:164 Resp: 167391

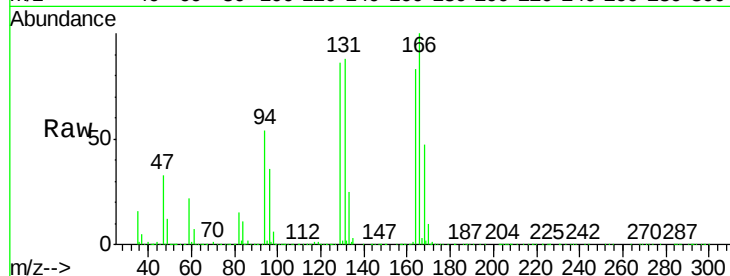
Ion Ratio Lower Upper

164 100

129 103.7 68.1 126.5

131 106.1 68.5 127.1

166 120.6 89.9 166.9

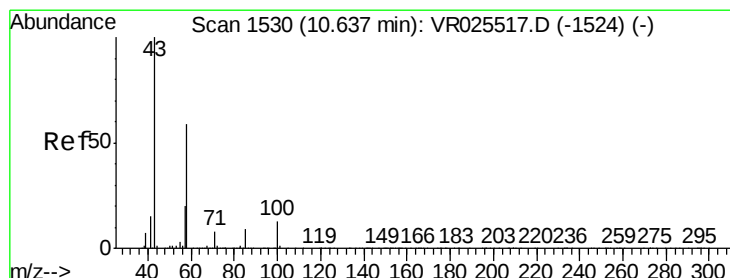
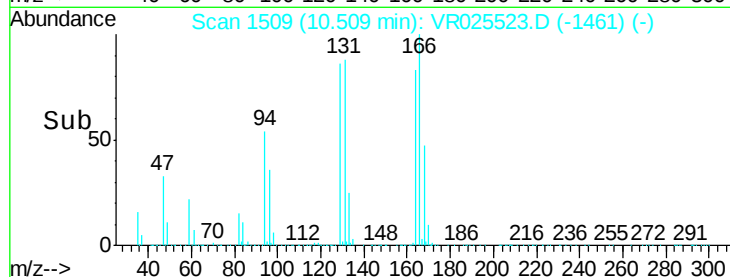
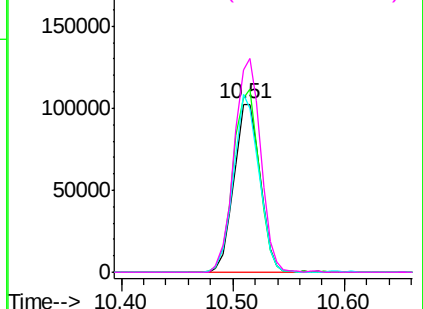


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 3.633 ug/L

RT: 10.59 min Scan# 1523

Delta R.T. -0.04 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

Tgt Ion: 43 Resp: 28453

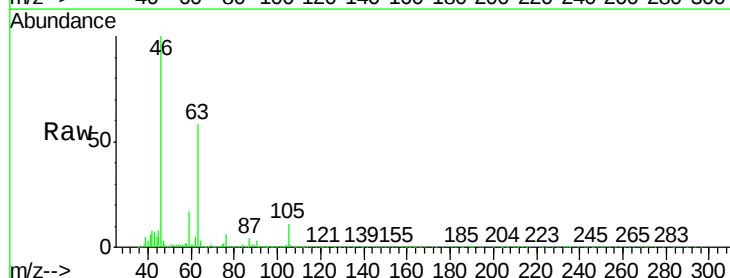
Ion Ratio Lower Upper

43 100

58 27.6 43.1 64.7#

57 28.9 15.3 22.9#

100 3.7 7.9 11.9#

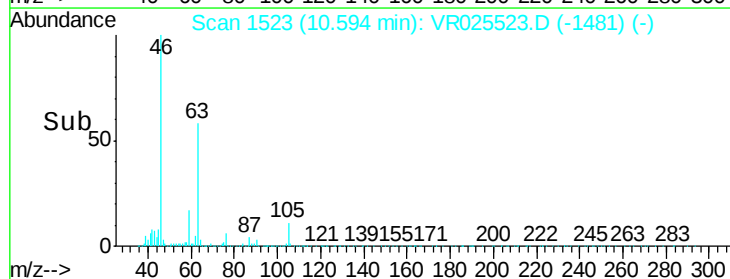
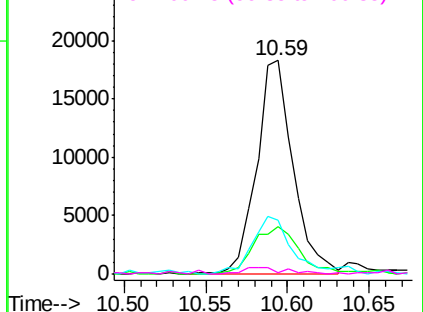


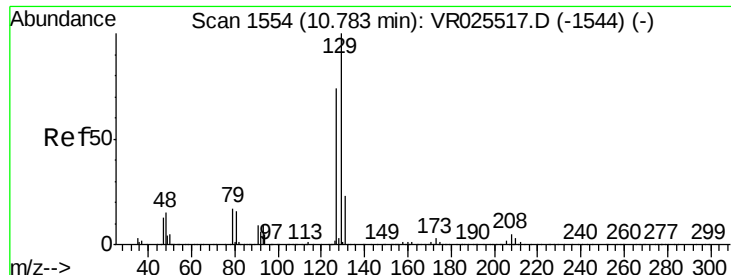
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#49

Dibromochloromethane

Concen: 7.892 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. -0.27 min

Lab File: VR025523.D

Acq: 19 Jul 2018 16:09

Instrument :

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ClientSampleId :

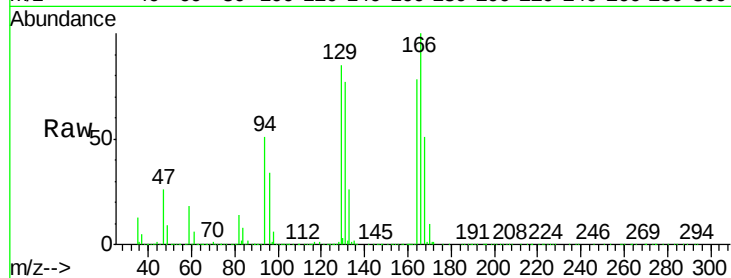
C0AG9

Tgt Ion:129 Resp: 158400

Ion Ratio Lower Upper

129 100

127 0.6 55.9 103.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

120000

100000

80000

60000

40000

20000

0

10.52

10.50

10.55

Time-->

