

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026086.D
 Acq On : 15 Oct 2018 22:55
 Operator : SY/MD
 Sample : J5379-04
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 H42A4

Quant Time: Oct 16 08:53:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 08:21:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	554571	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	466997	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	146139	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	237842	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	2.63	69	206677	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	3.60	63	447748	3.76	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	6.59	46	224437	56.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	7.20	84	370169	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	7.89	65	162486	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	7.85	84	736327	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	8.90	67	211251	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	9.97	98	693619	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	10.24	79	46154	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	10.59	63	181797	61.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.90%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78309	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	121151	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

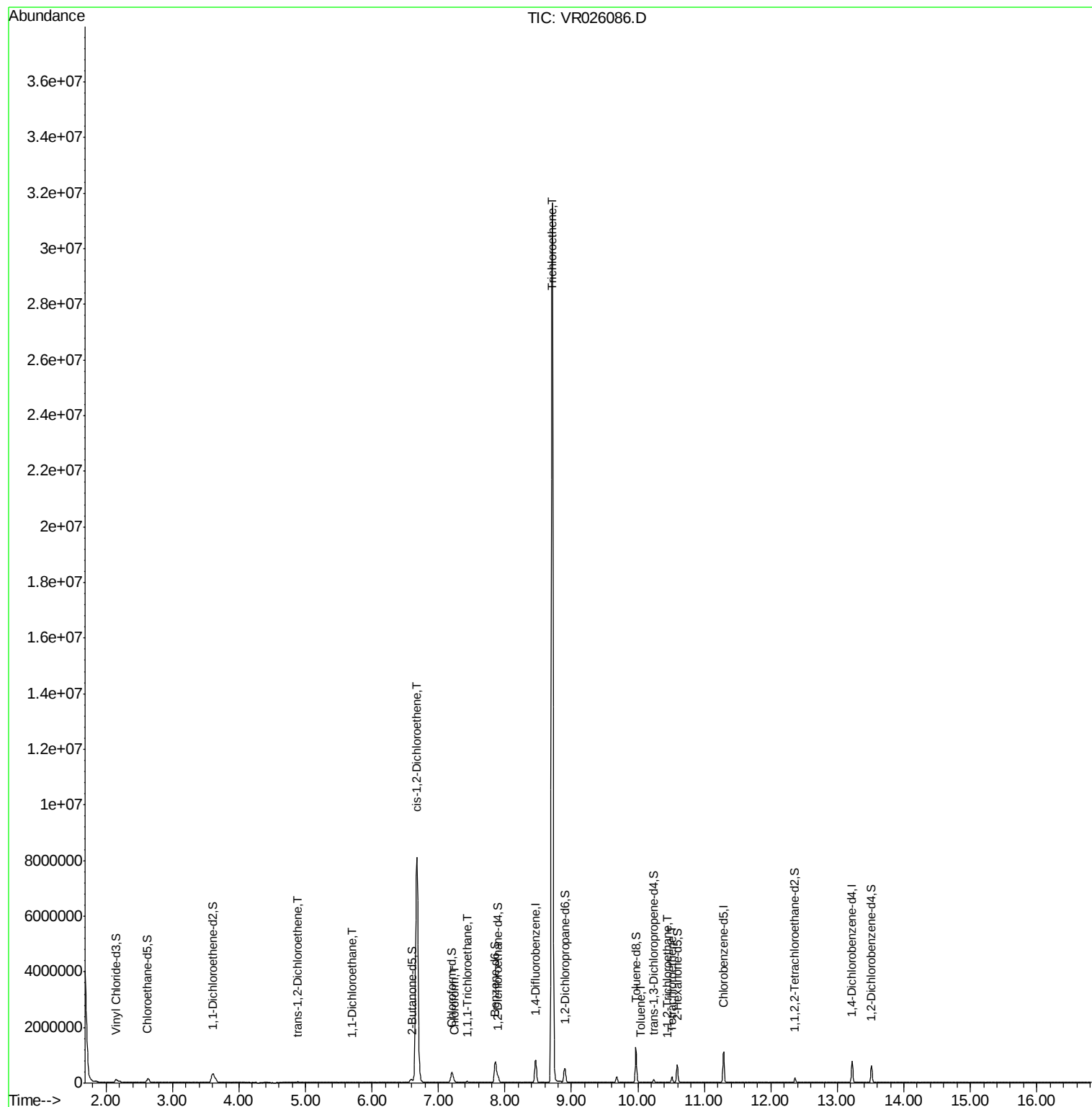
Target Compounds					Ovalue
18) trans-1,2-Dichloroethene	4.89	96	16811	0.412 ug/L	96
19) 1,1-Dichloroethane	5.69	63	23222	0.303 ug/L #	89
22) cis-1,2-Dichloroethene	6.67	96	4539267	117.664 ug/L #	90
25) Chloroform	7.24	83	41833	0.560 ug/L	83
29) 1,1,1-Trichloroethane	7.43	97	29296	0.459 ug/L	96
34) Trichloroethene	8.71	95	10290510	229.442 ug/L	85
42) Toluene	10.03	91	17724	0.096 ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	3561	0.228 ug/L	92
47) Tetrachloroethene	10.51	164	37632	1.175 ug/L	94

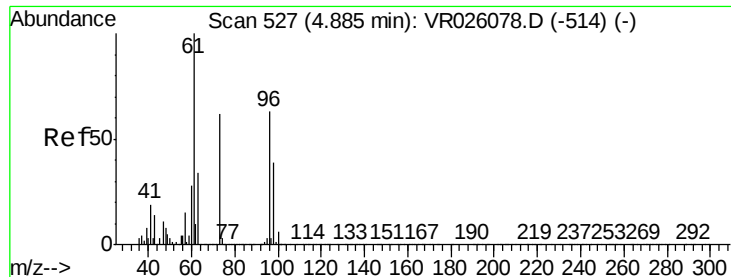
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#18

trans-1,2-Dichloroethene

Concen: 0.412 ug/L

RT: 4.89 min Scan# 527

Delta R.T. 0.00 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Instrument :

MSVOA_R

ClientSampleId :

H42A4

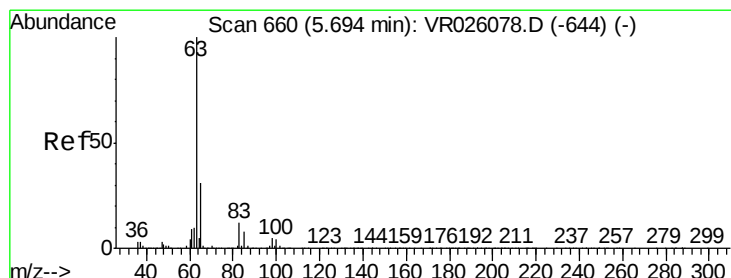
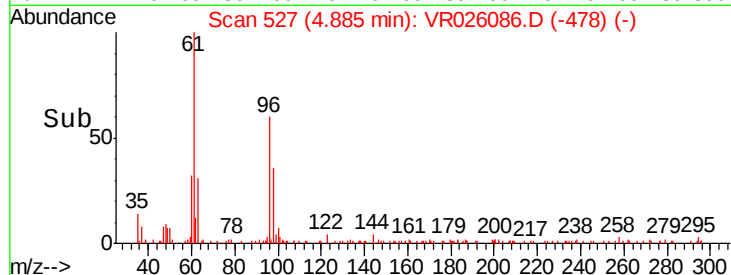
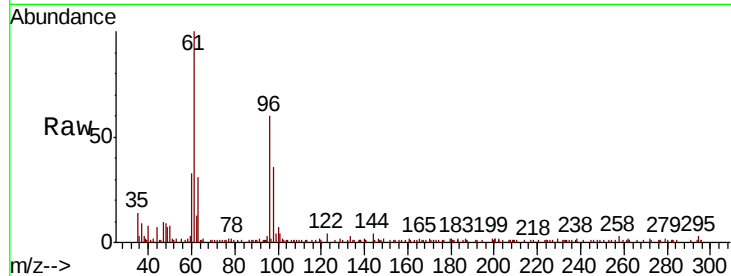
Tot Ion: 96 Resp: 16811

Ion Ratio Lower Upper

96 100

61 166.2 111.4 206.8

98 60.5 41.4 77.0



#19

1,1-Dichloroethane

Concen: 0.303 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

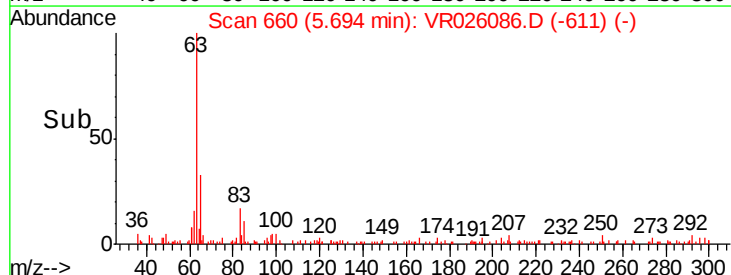
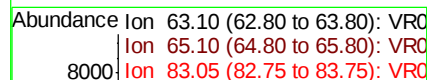
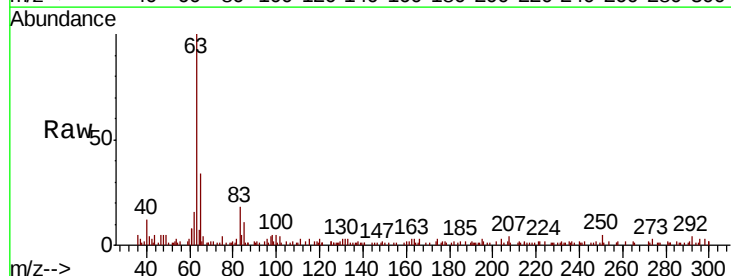
Tgt Ion: 63 Resp: 23222

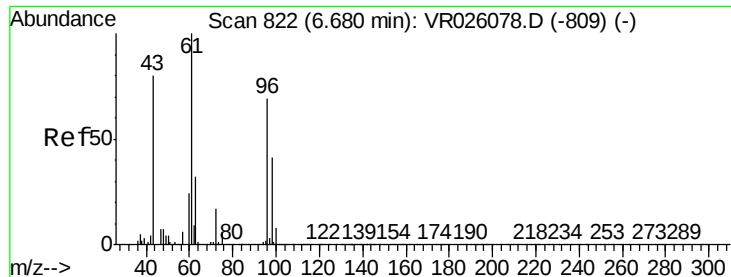
Ion Ratio Lower Upper

63 100

65 36.0 21.2 39.4

83 17.7 9.2 17.2#



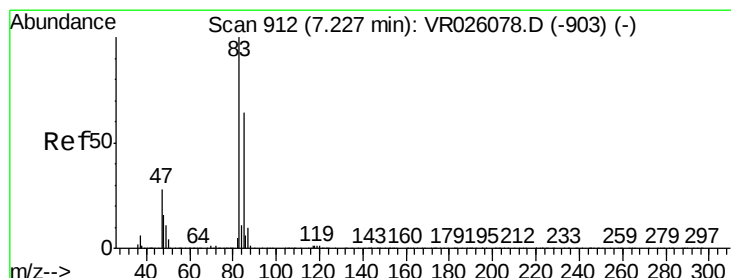
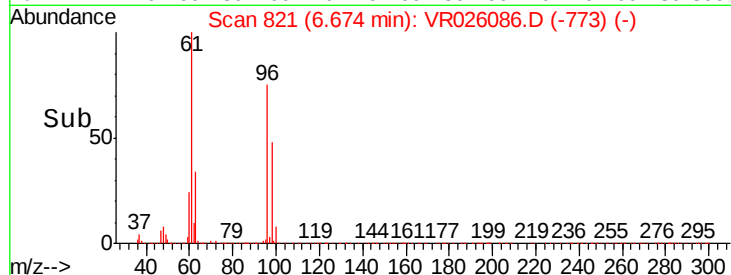
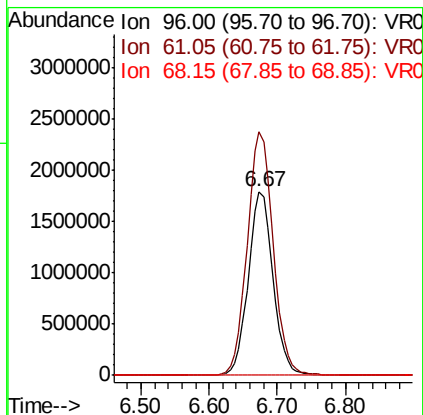
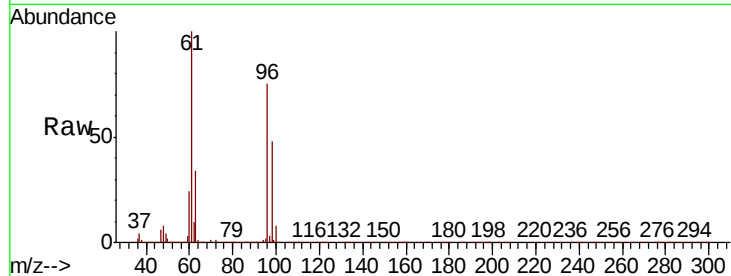


#22

cis-1,2-Dichloroethene
 Concen: 117.664 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR026086.D
 Acq: 15 Oct 2018 22:55

Instrument :
 MSVOA_R
 ClientSampleId :
 H42A4

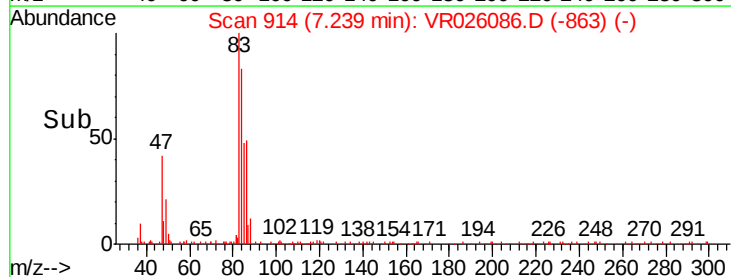
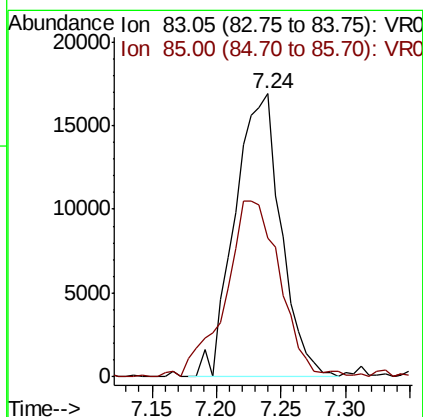
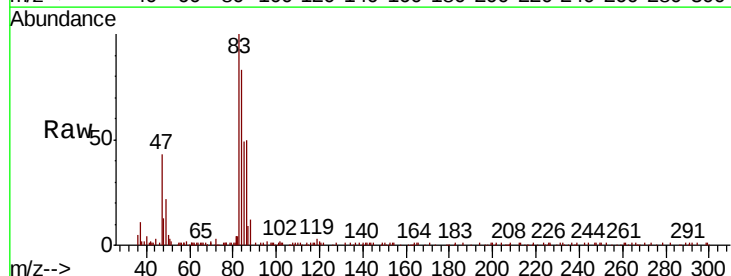
Tot Ion: 96 Resp: 4539267
 Ion Ratio Lower Upper
 96 100
 61 132.6 101.8 189.0
 68 0.0 0.1 0.3#

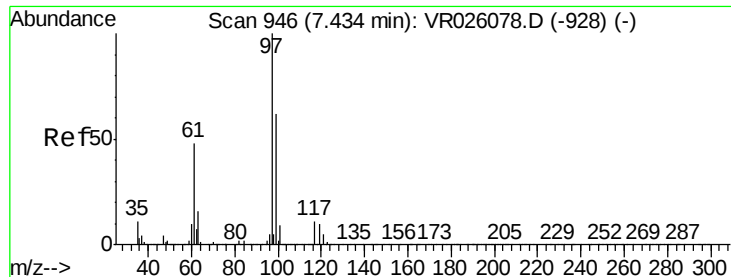


#25

Chloroform
 Concen: 0.560 ug/L
 RT: 7.24 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VR026086.D
 Acq: 15 Oct 2018 22:55

Tgt Ion: 83 Resp: 41833
 Ion Ratio Lower Upper
 83 100
 85 48.9 43.5 80.7





#29

1,1,1-Trichloroethane

Concen: 0.459 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.01 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Instrument :

MSVOA_R

ClientSampleId :

H42A4

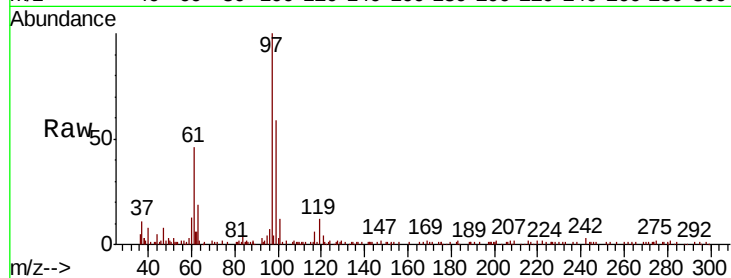
Tot Ion: 97 Resp: 29296

Ion Ratio Lower Upper

97 100

99 67.4 51.1 76.7

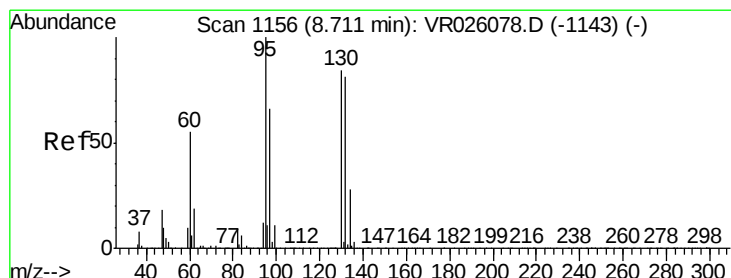
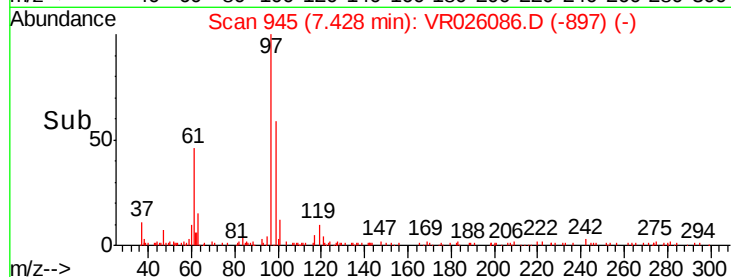
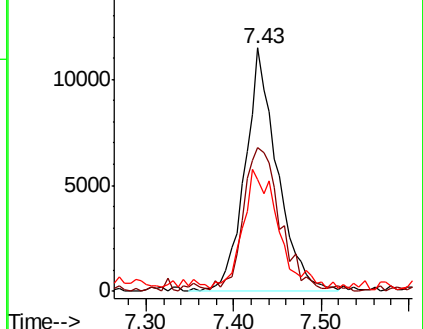
61 50.7 42.1 63.1



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#34

Trichloroethene

Concen: 229.442 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Tgt Ion: 95 Resp:10290510

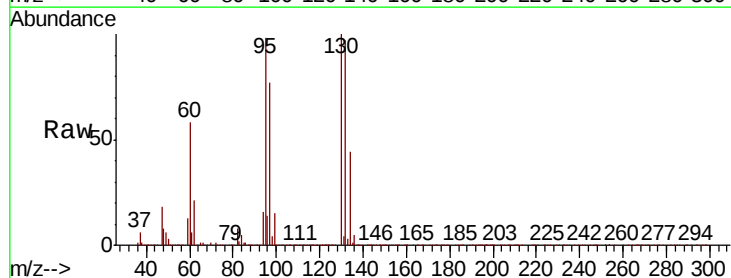
Ion Ratio Lower Upper

95 100

97 78.6 45.7 84.9

132 99.2 58.3 108.3

130 101.9 64.0 119.0

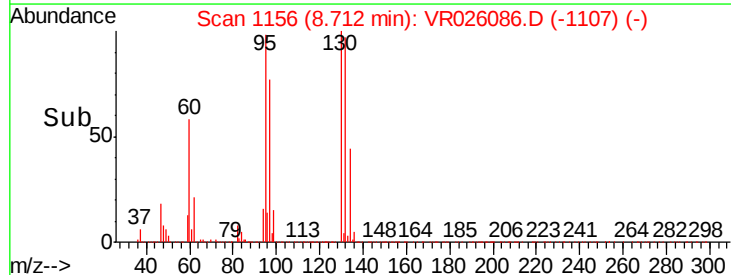
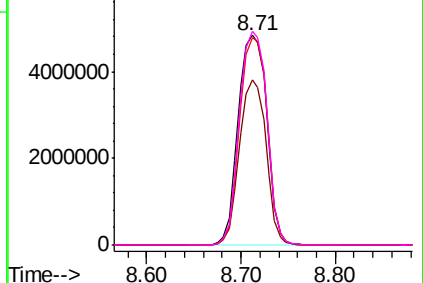


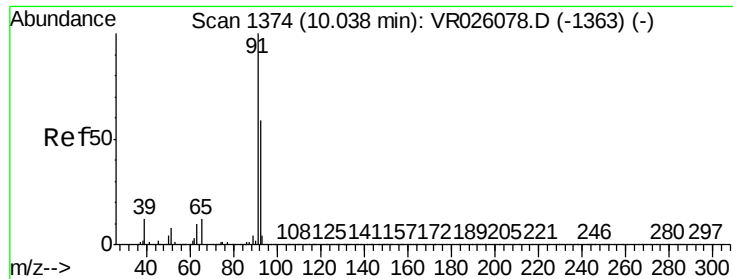
Abundance Ion 95.00 (94.70 to 95.70): VR0

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





#42

Toluene

Concen: 0.096 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Instrument :

MSVOA_R

ClientSampled :

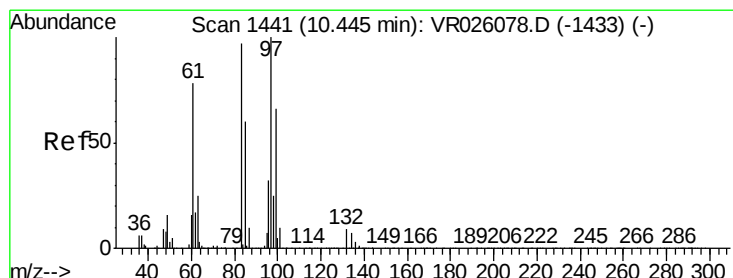
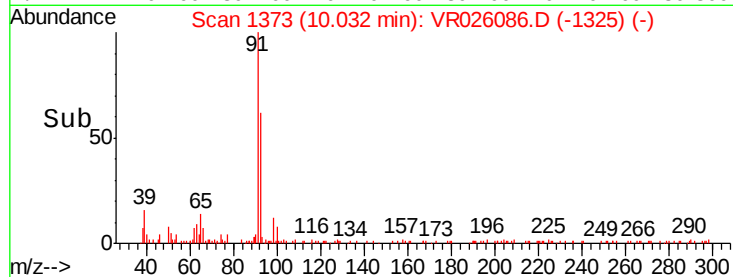
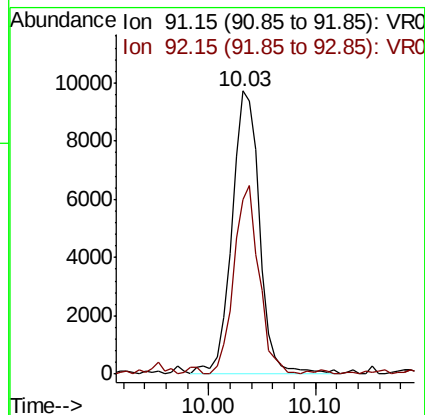
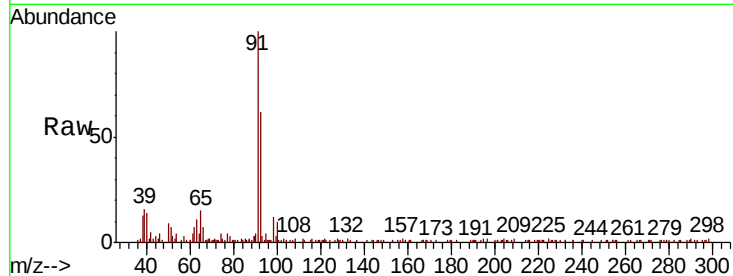
H42A4

Tot Ion: 91 Resp: 17724

Ion Ratio Lower Upper

91 100

92 61.8 40.8 75.8



#45

1,1,2-Trichloroethane

Concen: 0.228 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Tgt Ion: 97 Resp: 3561

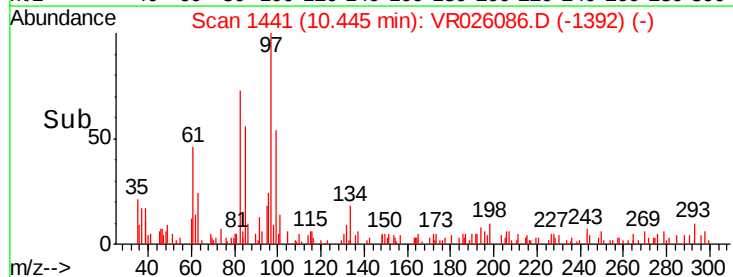
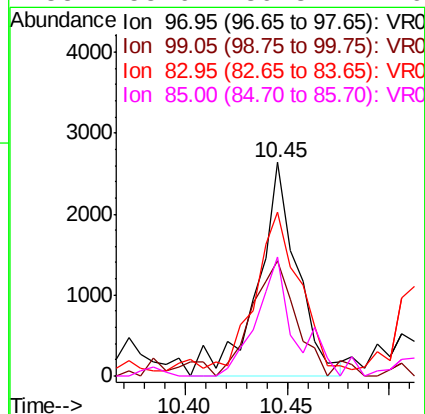
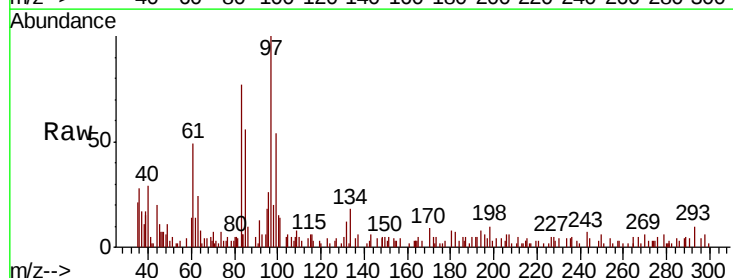
Ion Ratio Lower Upper

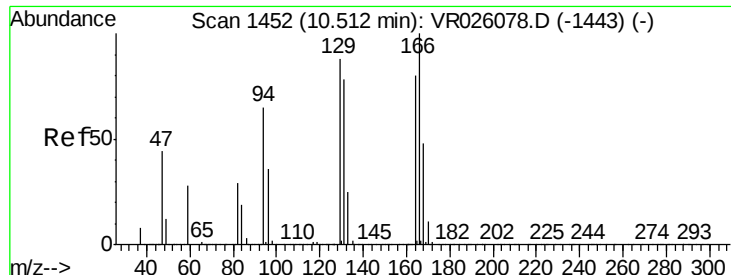
97 100

99 53.8 42.8 79.4

83 76.5 61.9 114.9

85 55.6 39.3 72.9





#47

Tetrachloroethene

Concen: 1.175 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Instrument :

MSVOA_R

ClientSampleId :

H42A4

Tot Ion:164 Resp: 37632

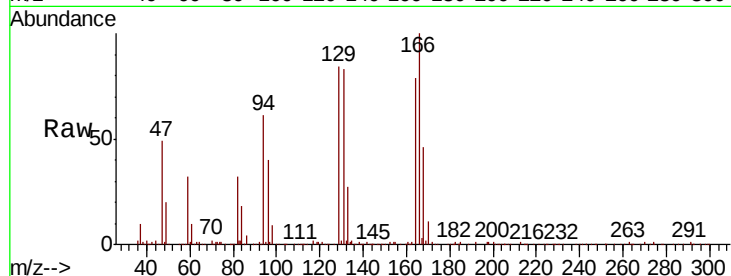
Ion Ratio Lower Upper

164 100

129 105.9 70.3 130.5

131 105.0 67.3 125.1

166 126.2 86.1 159.9



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

