

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026090.D
 Acq On : 16 Oct 2018 1:09
 Operator : SY/MD
 Sample : J5379-11
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 H42A9

Quant Time: Oct 16 09:07:40 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	528706	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	454999	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	145698	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	231783	5.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.20%
7) Chloroethane-d5	2.63	69	208237	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	3.61	63	431385	3.80	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	6.59	46	211389	55.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.30%
24) Chloroform-d	7.20	84	351576	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	7.90	65	152528	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	7.85	84	702143	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	8.90	67	196134	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	9.97	98	652356	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	10.24	79	45963	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	10.59	63	170967	59.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.60%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	73664	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	115577	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

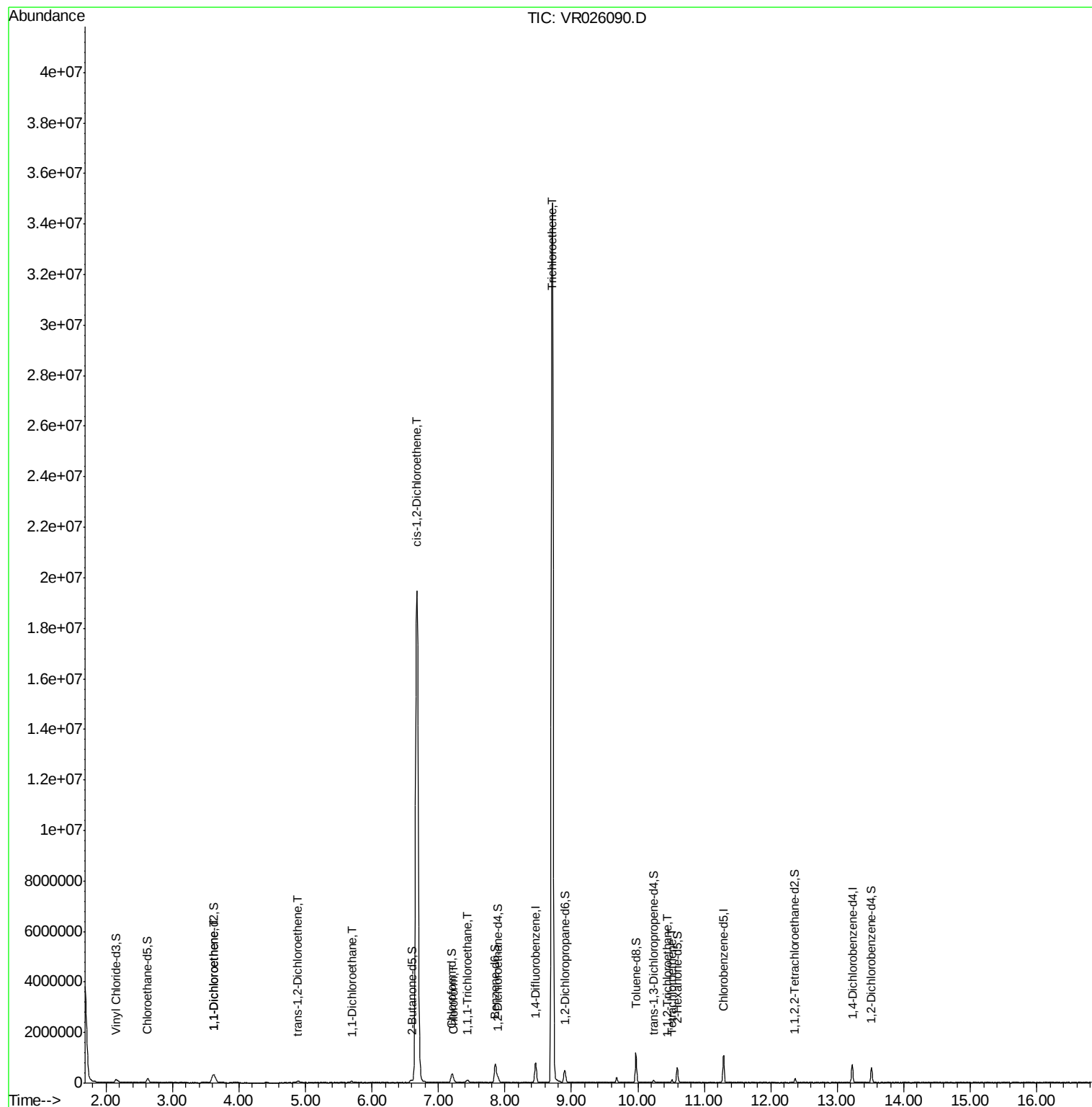
					Ovalue
12) 1,1-Dichloroethene	3.63	96	16547	0.322 ug/L #	1
18) trans-1,2-Dichloroethene	4.89	96	34183	0.879 ug/L	98
19) 1,1-Dichloroethane	5.69	63	65761	0.901 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	12114604	329.391 ug/L #	73
25) Chloroform	7.23	83	55069	0.773 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	83313	1.340 ug/L	94
34) Trichloroethene	8.71	95	12115912	277.265 ug/L	83
45) 1,1,2-Trichloroethane	10.44	97	9040	0.595 ug/L	93
47) Tetrachloroethene	10.51	164	21289	0.682 ug/L	90

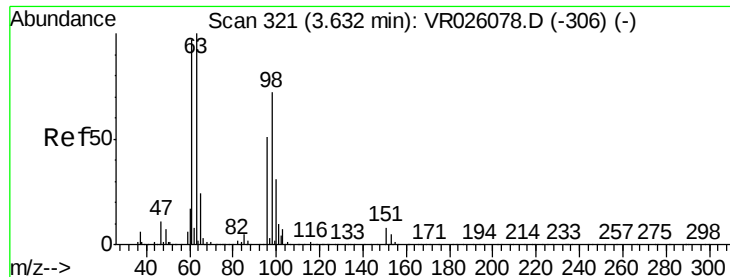
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.322 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.00 min

Lab File: VR026090.D

Acq: 16 Oct 2018 1:09

Instrument :

MSVOA_R

ClientSampleId :

H42A9

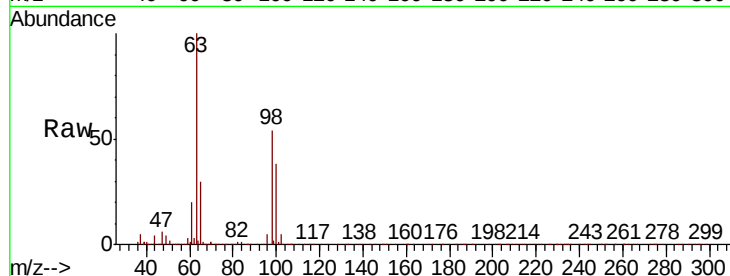
Tot Ion: 96 Resp: 16547

Ion Ratio Lower Upper

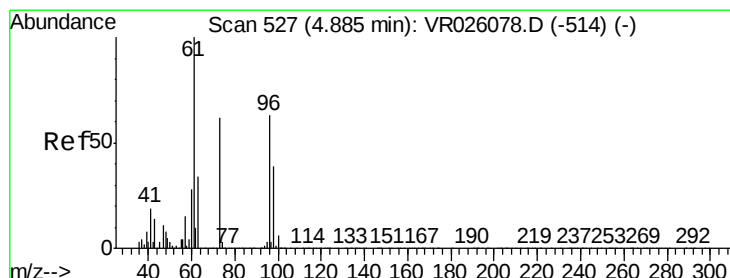
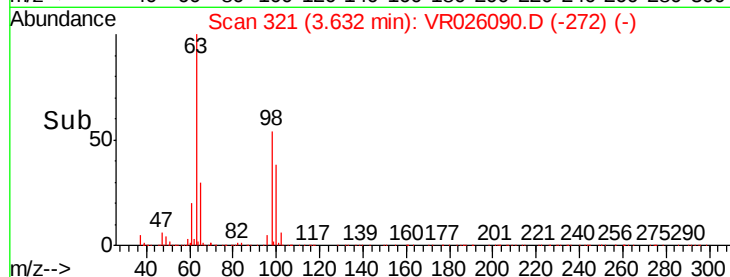
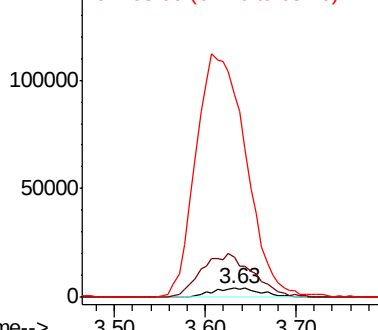
96 100

61 437.1 126.7 235.3#

63 2202.2 125.0 232.2#



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



#18

trans-1,2-Dichloroethene

Concen: 0.879 ug/L

RT: 4.89 min Scan# 528

Delta R.T. 0.01 min

Lab File: VR026090.D

Acq: 16 Oct 2018 1:09

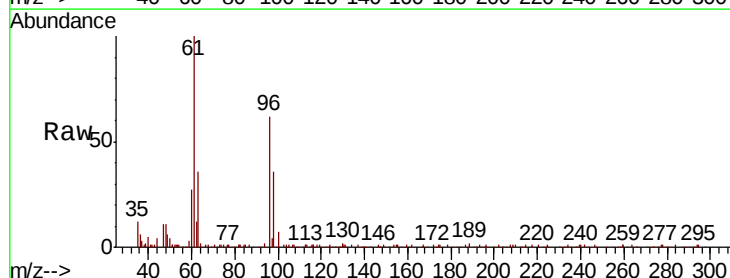
Tgt Ion: 96 Resp: 34183

Ion Ratio Lower Upper

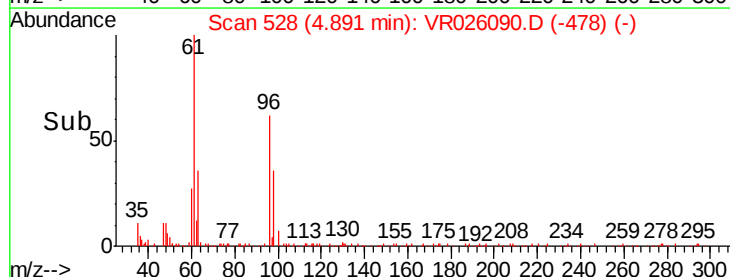
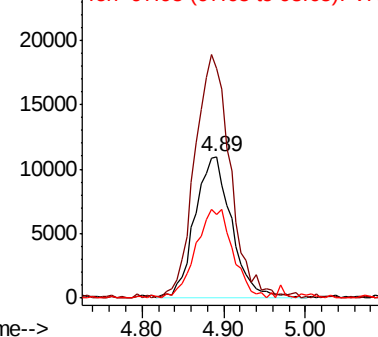
96 100

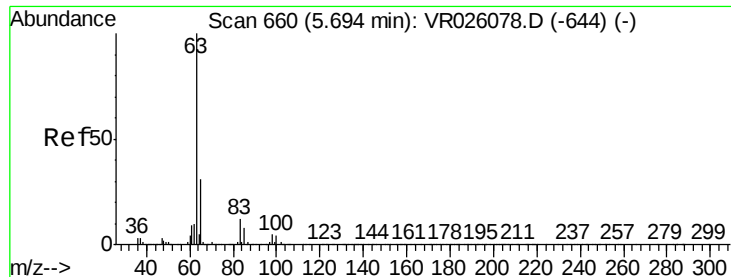
61 162.5 111.4 206.8

98 59.0 41.4 77.0



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

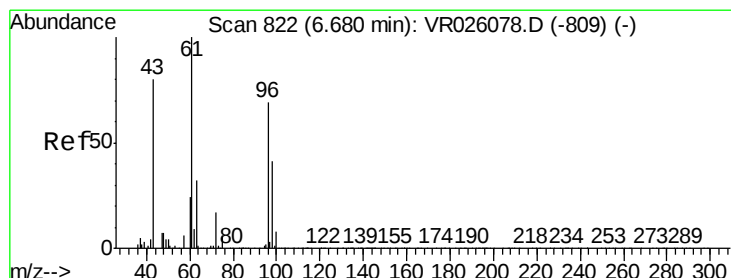
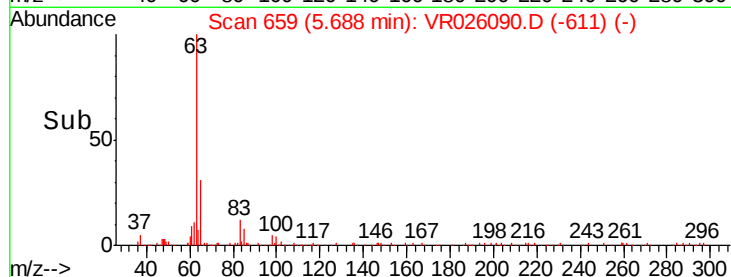
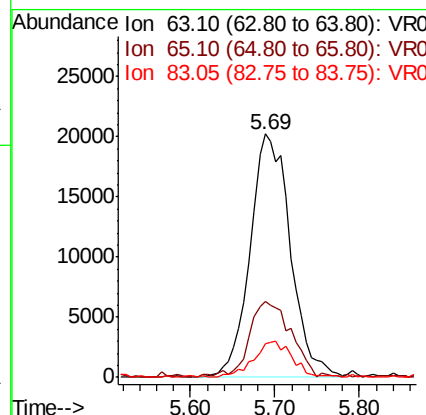
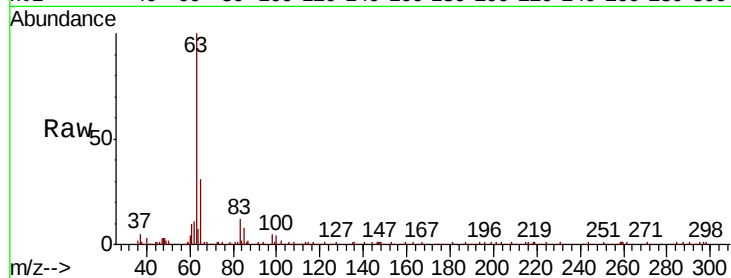




#19
 1,1-Dichloroethane
 Concen: 0.901 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR026090.D
 Acq: 16 Oct 2018 1:09

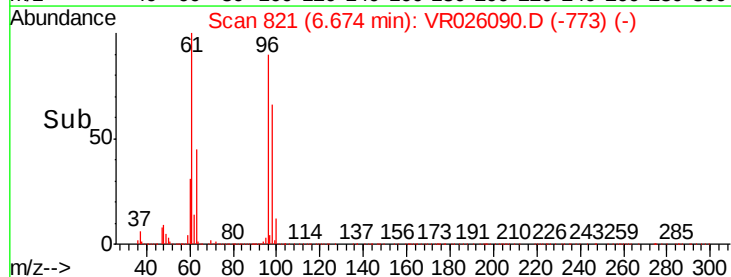
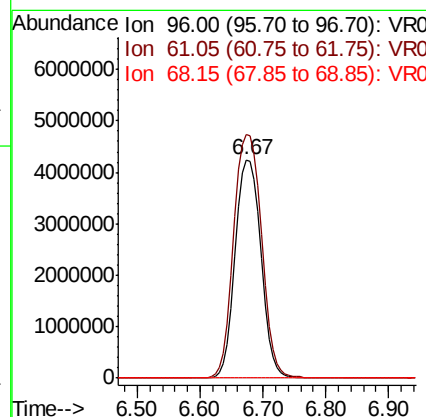
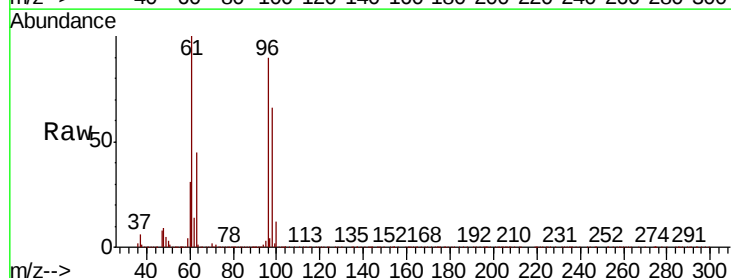
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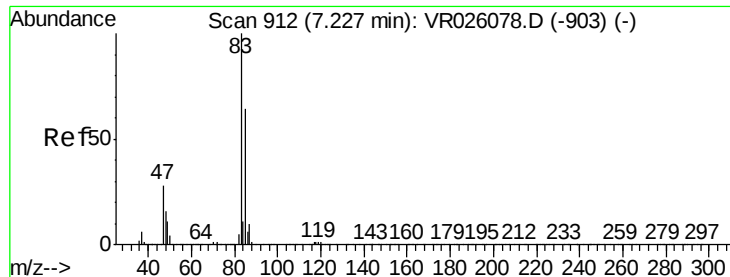
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.2	39.4
83	14.1	9.2	17.2



#22
 cis-1,2-Dichloroethene
 Concen: 329.391 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR026090.D
 Acq: 16 Oct 2018 1:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	111.6	101.8	189.0
68	0.0	0.1	0.3#





#25

Chloroform

Concen: 0.773 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR026090.D

Acq: 16 Oct 2018 1:09

Instrument :

MSVOA_R

ClientSampleId :

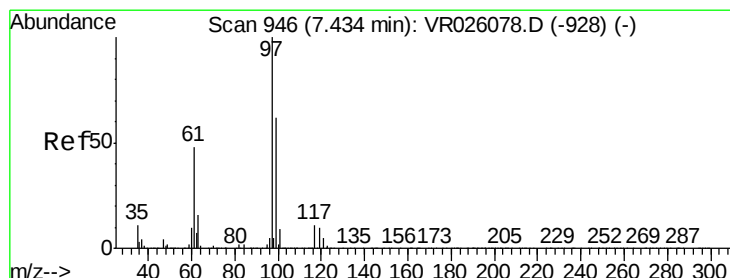
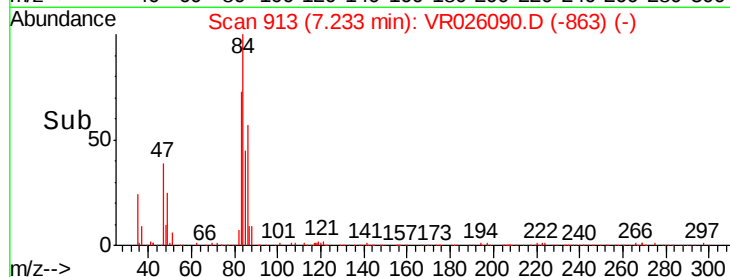
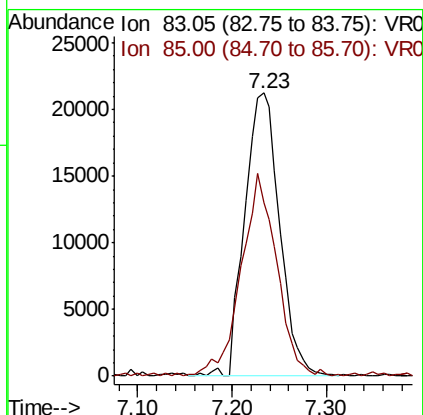
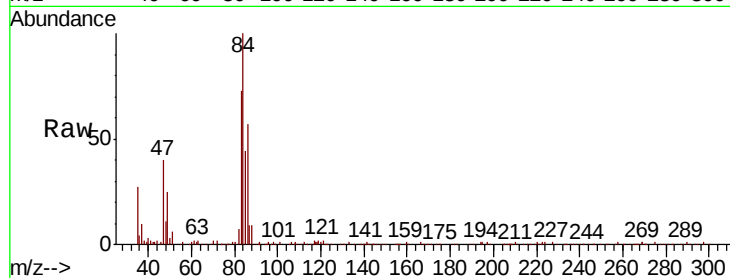
H42A9

Tot Ion: 83 Resp: 55069

Ion Ratio Lower Upper

83 100

85 61.1 43.5 80.7



#29

1,1,1-Trichloroethane

Concen: 1.340 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.00 min

Lab File: VR026090.D

Acq: 16 Oct 2018 1:09

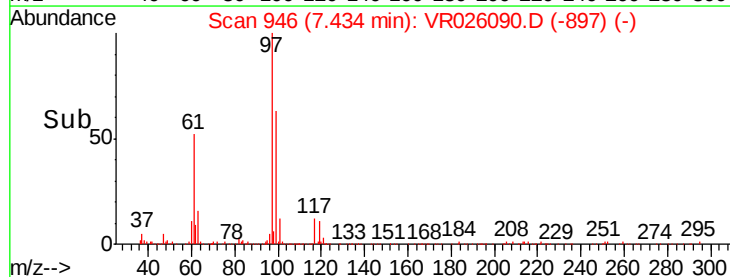
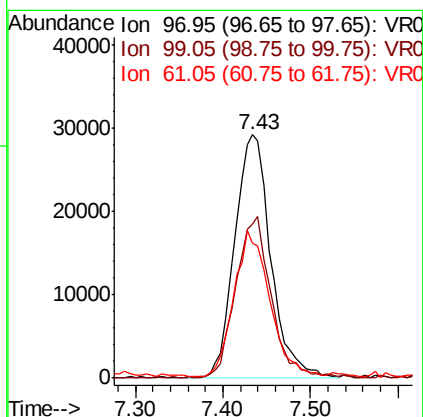
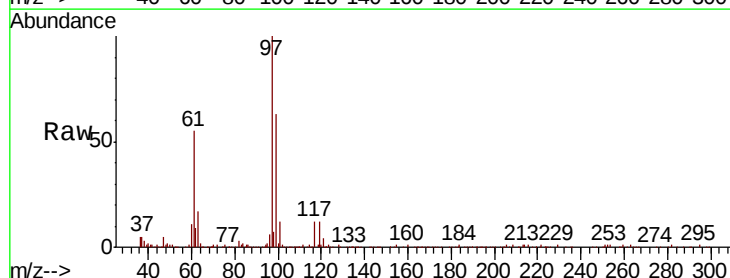
Tgt Ion: 97 Resp: 83313

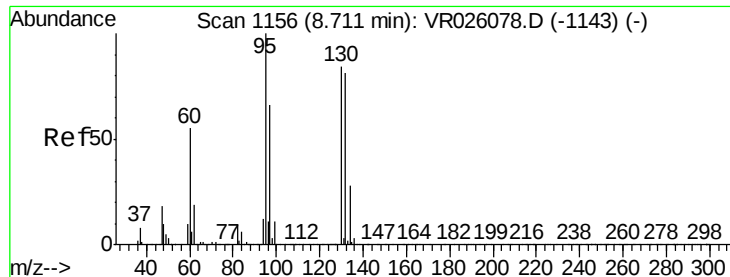
Ion Ratio Lower Upper

97 100

99 65.6 51.1 76.7

61 59.6 42.1 63.1





#34

Trichloroethene

Concen: 277.265 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026090.D

Acq: 16 Oct 2018 1:09

Instrument :

MSVOA_R

ClientSampleId :

H42A9

Tot Ion: 95 Resp: 12115912

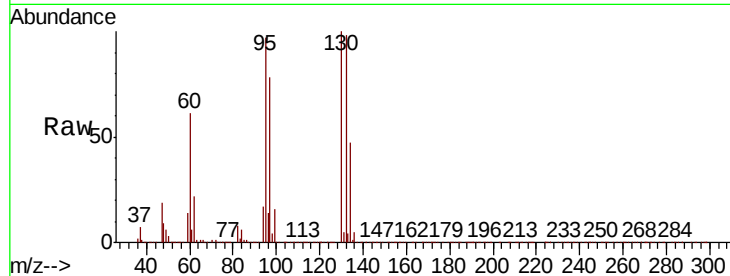
Ion Ratio Lower Upper

95 100

97 80.3 45.7 84.9

132 101.2 58.3 108.3

130 103.2 64.0 119.0

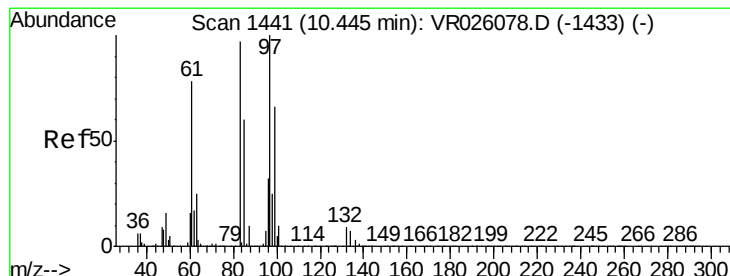
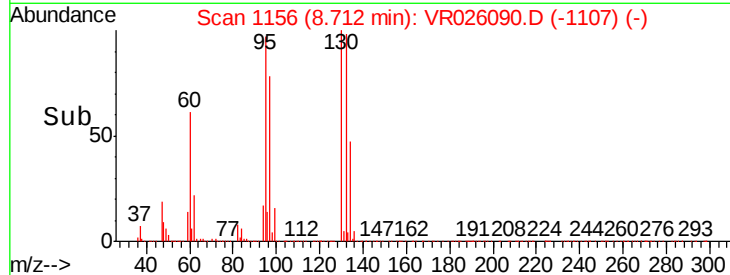
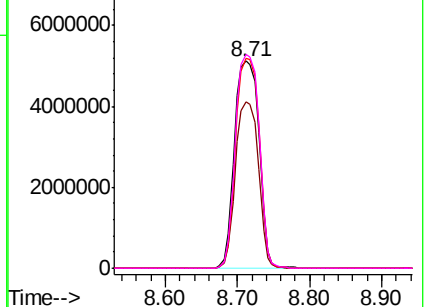


Abundance Ion 95.00 (94.70 to 95.70): VR0

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



#45

1,1,2-Trichloroethane

Concen: 0.595 ug/L

RT: 10.44 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VR026090.D

Acq: 16 Oct 2018 1:09

Tgt Ion: 97 Resp: 9040

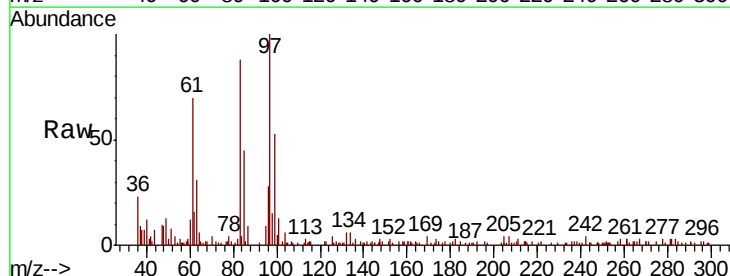
Ion Ratio Lower Upper

97 100

99 53.3 42.8 79.4

83 87.9 61.9 114.9

85 47.0 39.3 72.9

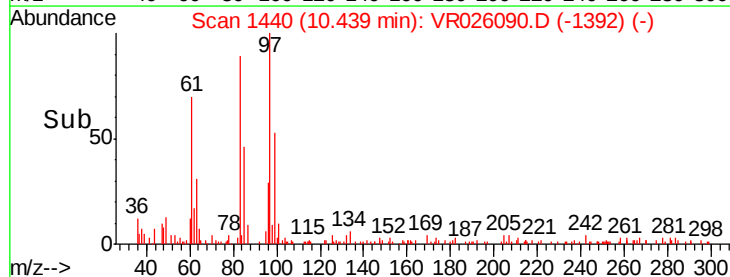
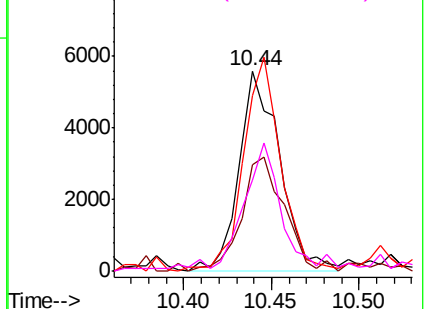


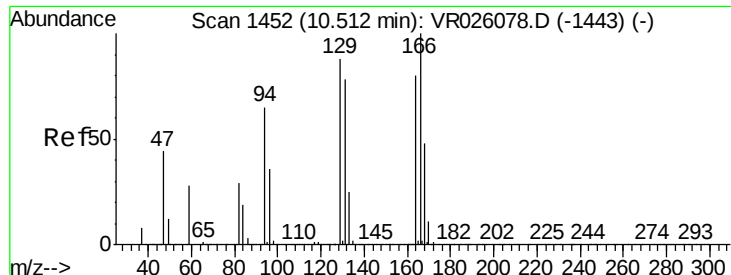
Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0





#47

Tetrachloroethene

Concen: 0.682 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026090.D

Acq: 16 Oct 2018 1:09

Instrument :

MSVOA_R

ClientSampleId :

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Tot Ion:164 Resp: 21289

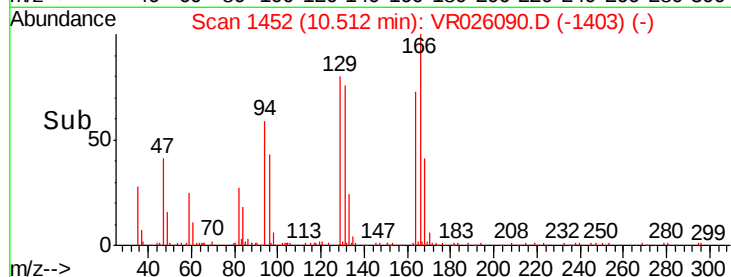
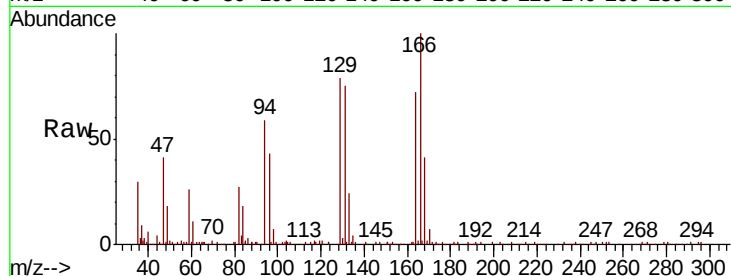
Ion Ratio Lower Upper

164 100

129 109.0 70.3 130.5

131 103.5 67.3 125.1

166 138.0 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

