

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR022519\
 Data File : VR026380.D
 Acq On : 25 Feb 2019 17:55
 Operator : SY/MD
 Sample : K1589-05
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C09M6

Quant Time: Feb 26 22:17:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Feb 26 06:18:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	579172	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	486043	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	155993	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	178267	3.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.00%
7) Chloroethane-d5	2.63	69	162816	3.50	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.00%
11) 1,1-Dichloroethene-d2	3.60	63	369019	2.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.60%#
20) 2-Butanone-d5	6.58	46	246422	59.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.18%
24) Chloroform-d	7.20	84	394663	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	7.89	65	172445	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	7.85	84	705427	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.20%
36) 1,2-Dichloropropane-d6	8.89	67	200184	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	9.97	98	615415	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	10.23	79	45238	3.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.00%
46) 2-Hexanone-d5	10.59	63	191299	62.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.08%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76864	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	128840	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

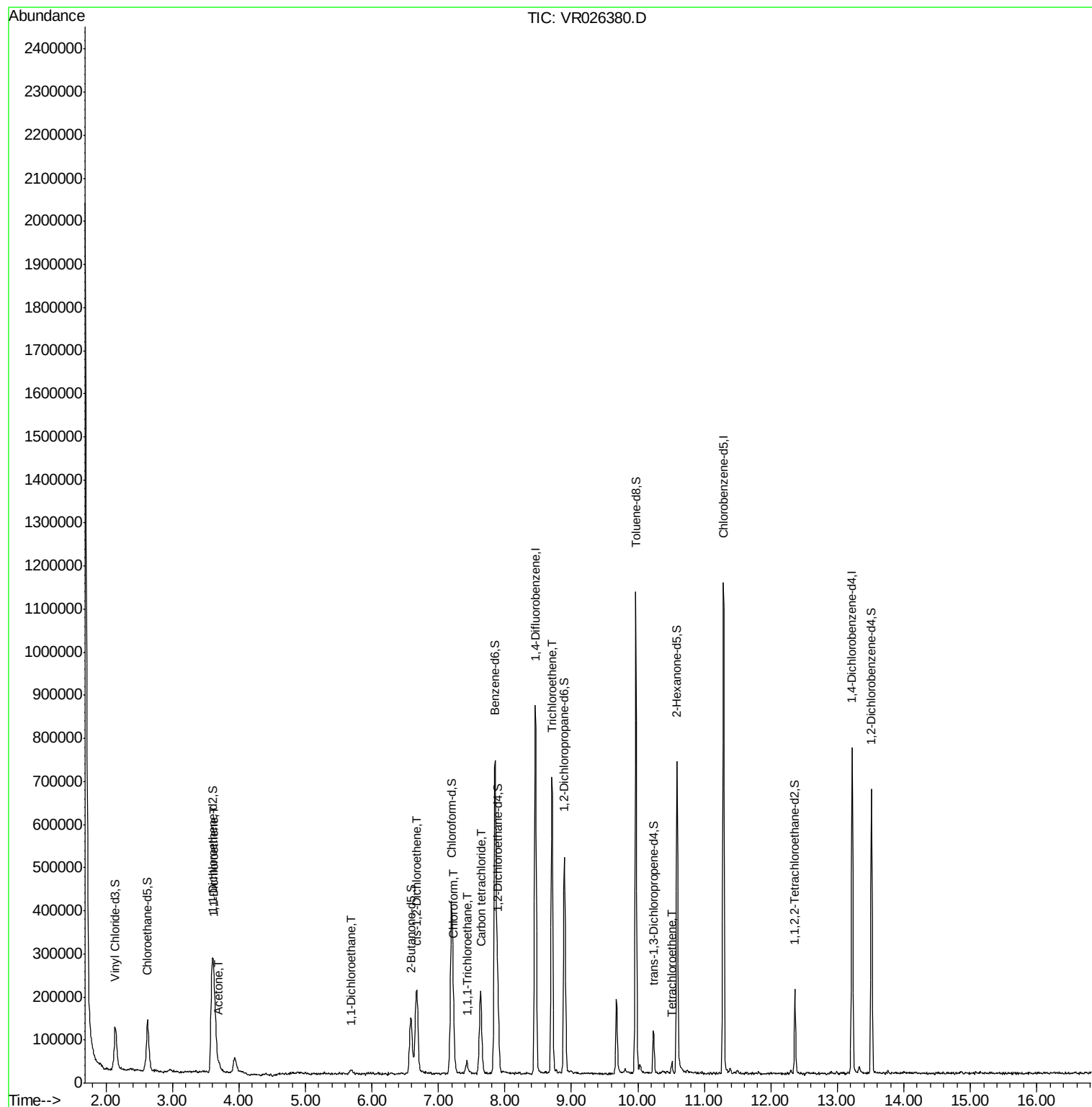
					Ovalue
12) 1,1-Dichloroethene	3.62	96	32654	0.645 ug/L #	1
13) Acetone	3.69	43	25001	6.720 ug/L	97
19) 1,1-Dichloroethane	5.68	63	12932	0.153 ug/L #	77
22) cis-1,2-Dichloroethene	6.67	96	106700	2.753 ug/L #	86
25) Chloroform	7.23	83	73633	0.908 ug/L	93
29) 1,1,1-Trichloroethane	7.43	97	21429	0.304 ug/L	98
31) Carbon tetrachloride	7.64	117	144628	2.209 ug/L	99
34) Trichloroethene	8.71	95	222327	4.732 ug/L	95
47) Tetrachloroethene	10.51	164	5150	0.151 ug/L	95

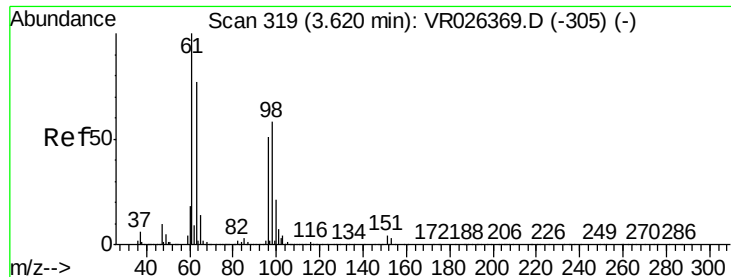
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.645 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VR026380.D

Acq: 25 Feb 2019 17:55

Instrument :

MSVOA_R

ClientSampleId :

C09M6

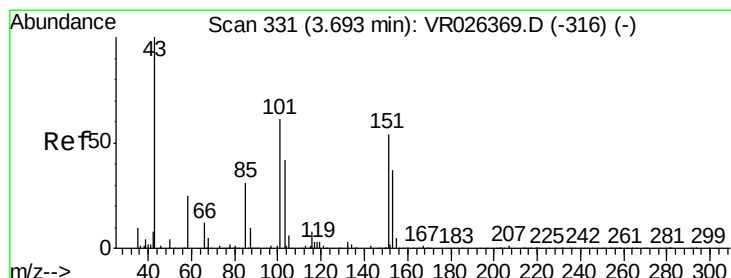
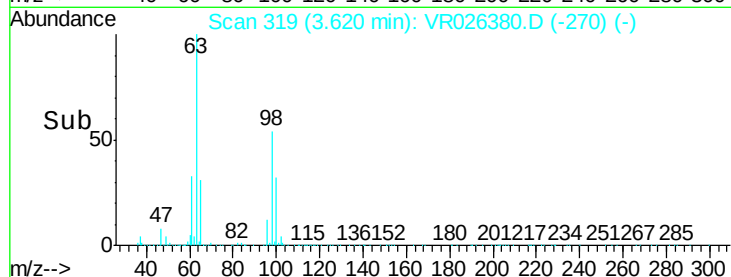
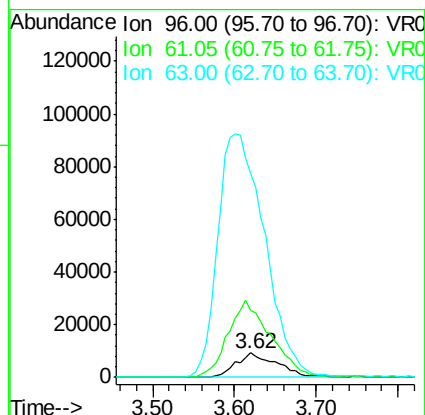
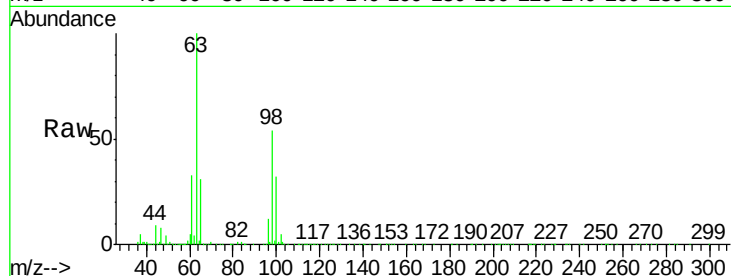
Tot Ion: 96 Resp: 32654

Ion Ratio Lower Upper

96 100

61 276.5 135.9 252.5#

63 843.6 136.6 253.6#



#13

Acetone

Concen: 6.720 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

Lab File: VR026380.D

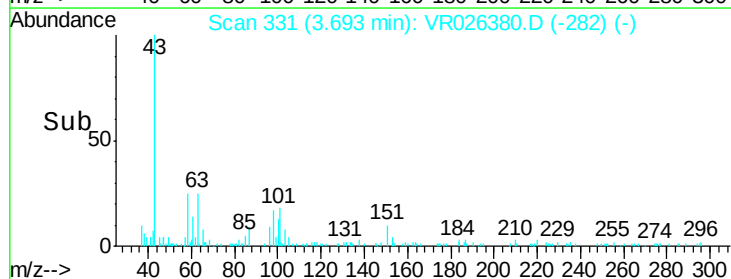
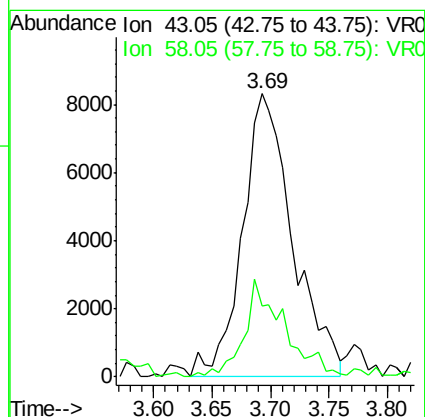
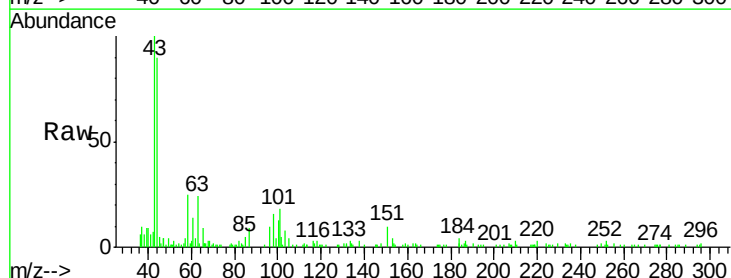
Acq: 25 Feb 2019 17:55

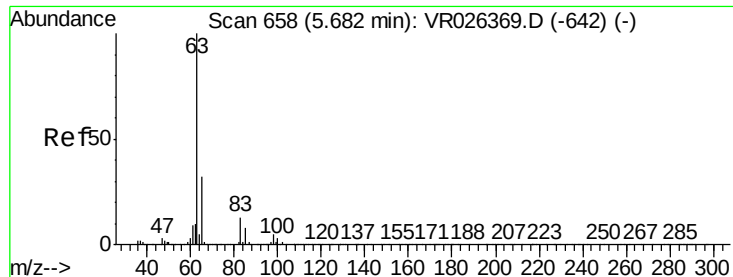
Tgt Ion: 43 Resp: 25001

Ion Ratio Lower Upper

43 100

58 27.5 0.0 52.2





#19

1,1-Dichloroethane

Concen: 0.153 ug/L

RT: 5.68 min Scan# 657

Delta R.T. -0.01 min

Lab File: VR026380.D

Acq: 25 Feb 2019 17:55

Instrument :

MSVOA_R

ClientSampleId :

C09M6

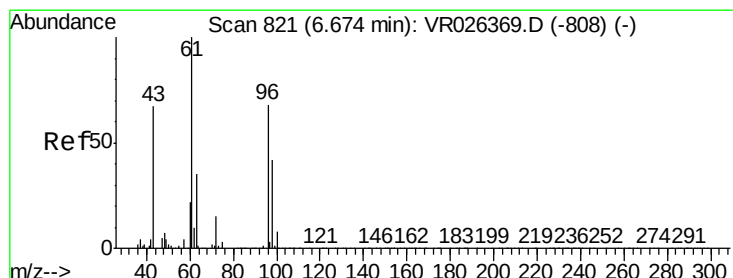
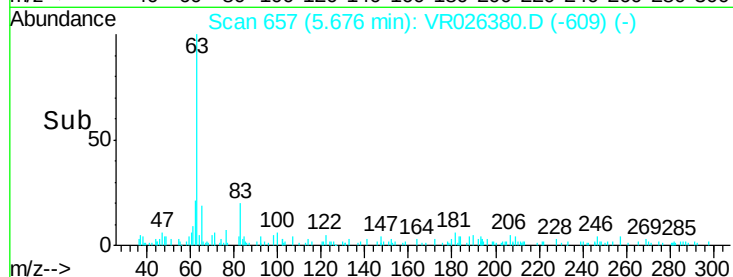
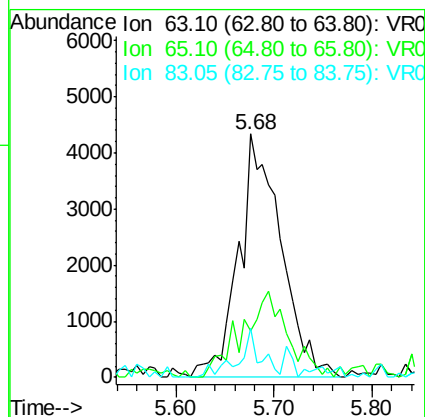
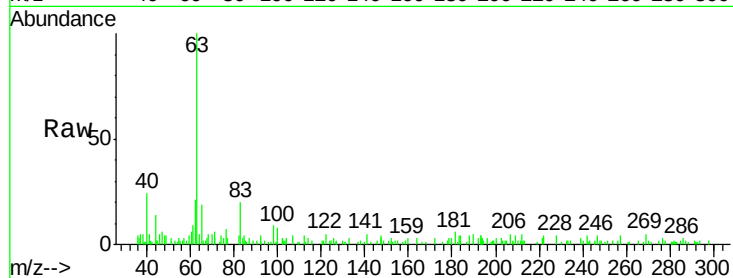
Tot Ion: 63 Resp: 12932

Ion Ratio Lower Upper

63 100

65 19.3 23.6 43.8#

83 20.0 8.8 16.4#



#22

cis-1,2-Dichloroethene

Concen: 2.753 ug/L

RT: 6.67 min Scan# 821

Delta R.T. -0.00 min

Lab File: VR026380.D

Acq: 25 Feb 2019 17:55

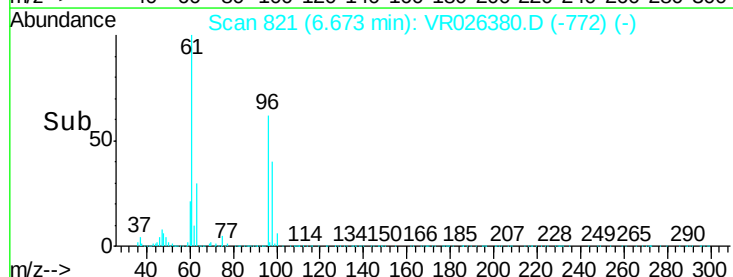
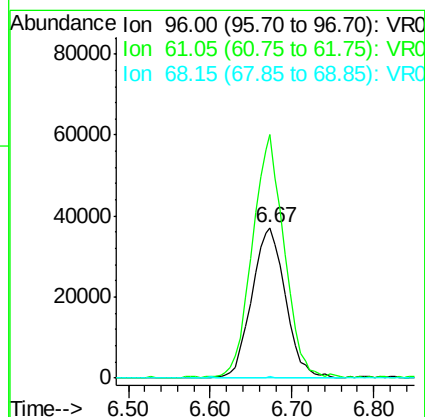
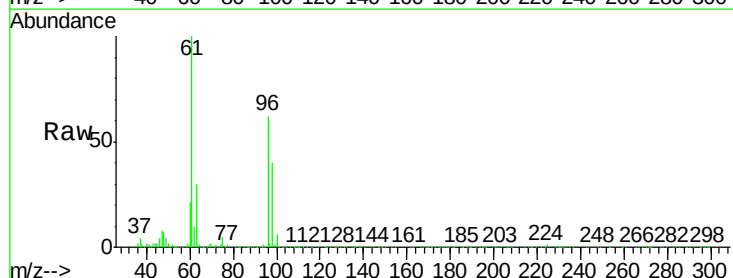
Tgt Ion: 96 Resp: 106700

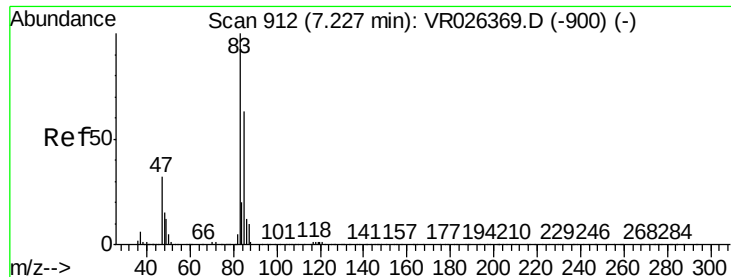
Ion Ratio Lower Upper

96 100

61 161.5 100.8 187.2

68 1.0 0.1 0.1#





#25

Chloroform

Concen: 0.908 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR026380.D

Acq: 25 Feb 2019 17:55

Instrument :

MSVOA_R

ClientSampleId :

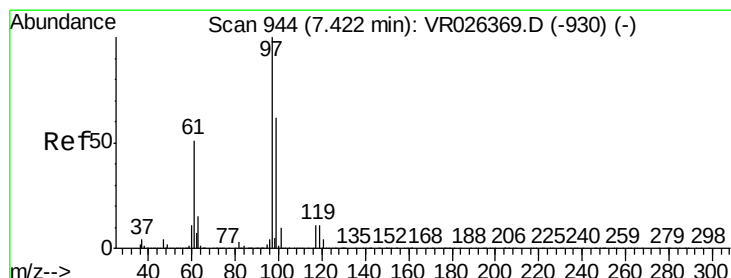
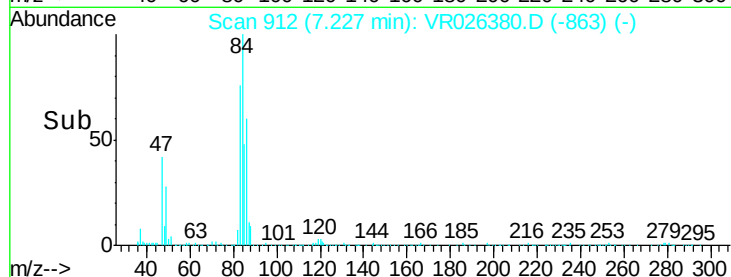
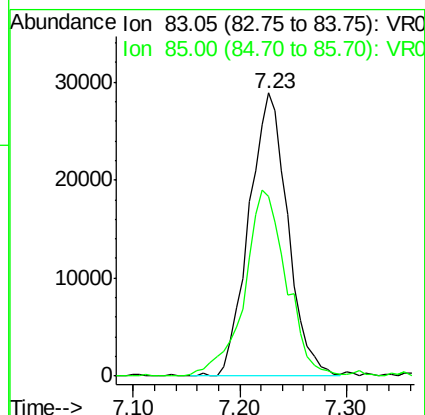
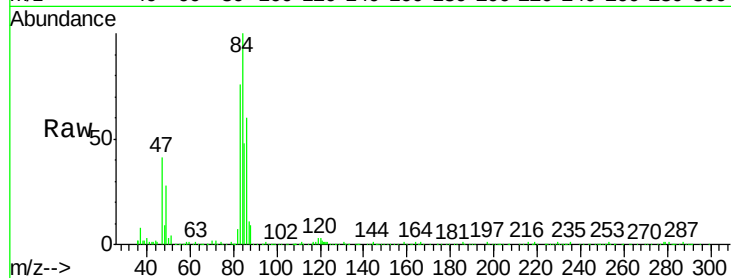
C09M6

Tot Ion: 83 Resp: 73633

Ion Ratio Lower Upper

83 100

85 63.3 48.6 90.2



#29

1,1,1-Trichloroethane

Concen: 0.304 ug/L

RT: 7.43 min Scan# 945

Delta R.T. 0.01 min

Lab File: VR026380.D

Acq: 25 Feb 2019 17:55

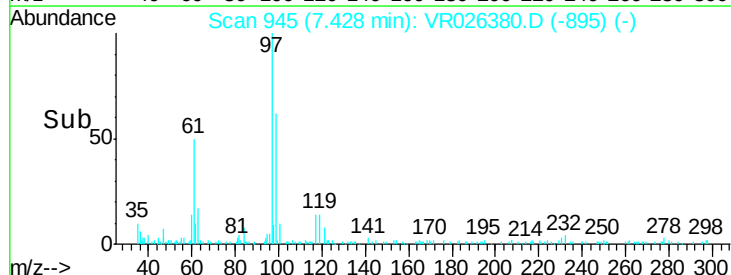
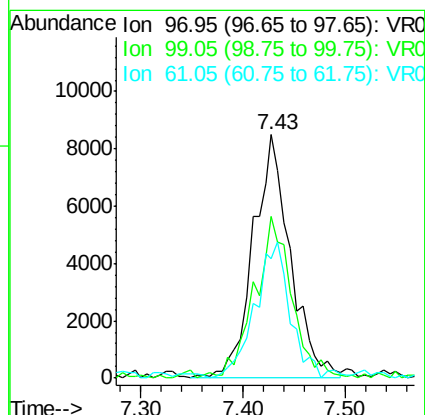
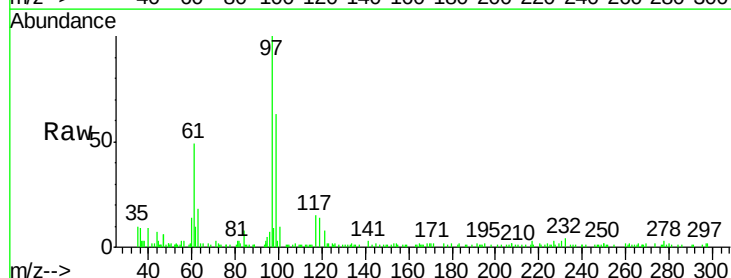
Tgt Ion: 97 Resp: 21429

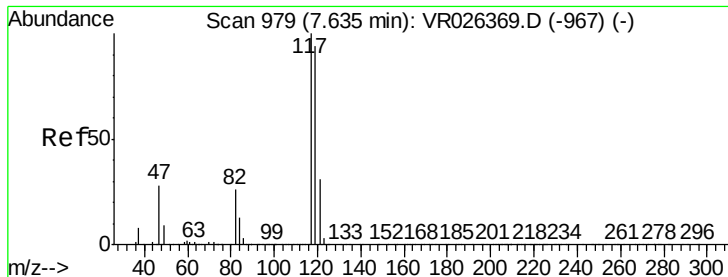
Ion Ratio Lower Upper

97 100

99 66.8 51.6 77.4

61 53.1 41.8 62.6





#31

Carbon tetrachloride

Concen: 2.209 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR026380.D

Acq: 25 Feb 2019 17:55

Instrument :

MSVOA_R

ClientSampled :

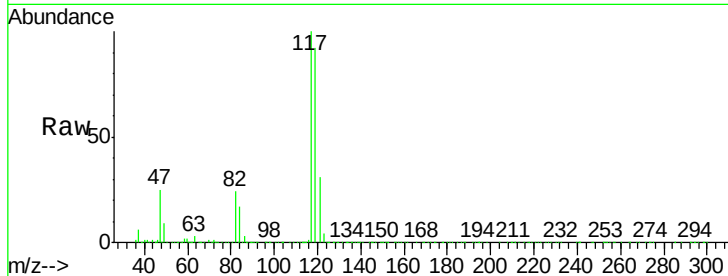
C09M6

Tot Ion:117 Resp: 144628

Ion Ratio Lower Upper

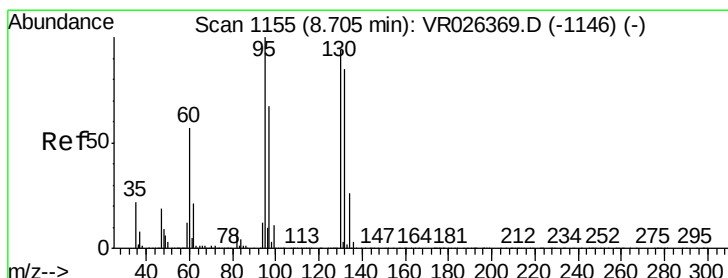
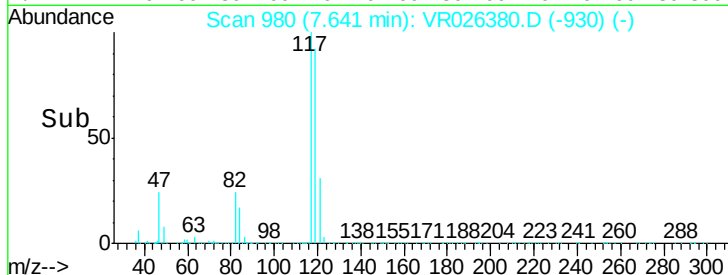
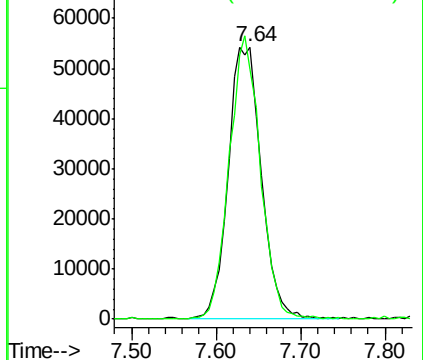
117 100

119 97.4 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 4.732 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VR026380.D

Acq: 25 Feb 2019 17:55

Tgt Ion: 95 Resp: 222327

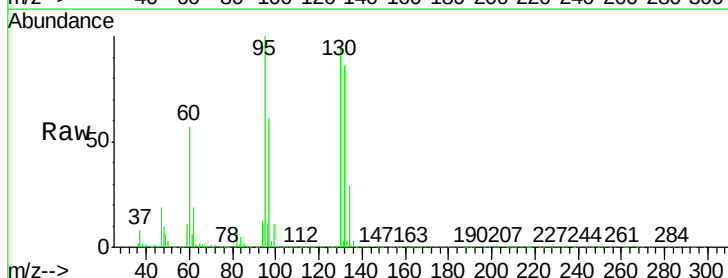
Ion Ratio Lower Upper

95 100

97 60.6 43.5 80.7

132 85.7 58.6 108.8

130 94.7 59.4 110.2

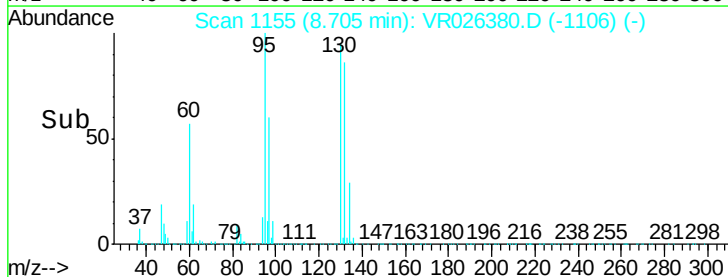
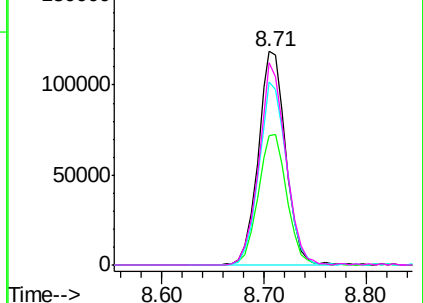


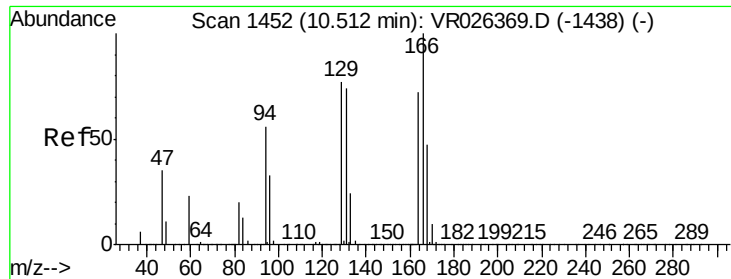
Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.151 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026380.D

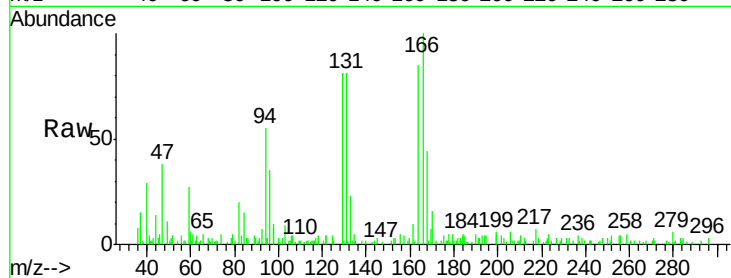
Acq: 25 Feb 2019 17:55

Instrument :

MSVOA_R

ClientSampleId :

C09M6



Tot Ion:164 Resp: 5150

Ion Ratio Lower Upper

164 100

129 95.4 67.2 124.8

131 95.2 67.3 125.1

166 117.0 90.4 167.8

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

