

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021519\
 Data File : VR026330.D
 Acq On : 15 Feb 2019 15:11
 Operator : SY/MD
 Sample : K1488-14
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ESXF0

Quant Time: Feb 16 03:42:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Feb 16 03:20:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	564292	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	468283	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	147034	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	360374	7.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	140.00%#
7) Chloroethane-d5	2.63	69	194872	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	3.60	63	466248	3.77	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	6.59	46	153222	46.70	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.40%
24) Chloroform-d	7.20	84	365564	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	7.89	65	138579	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	7.85	84	733846	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	8.89	67	184964	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	9.97	98	645401	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	10.23	79	39305	3.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.20%
46) 2-Hexanone-d5	10.59	63	129245	51.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.22%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	62346	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	125378	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

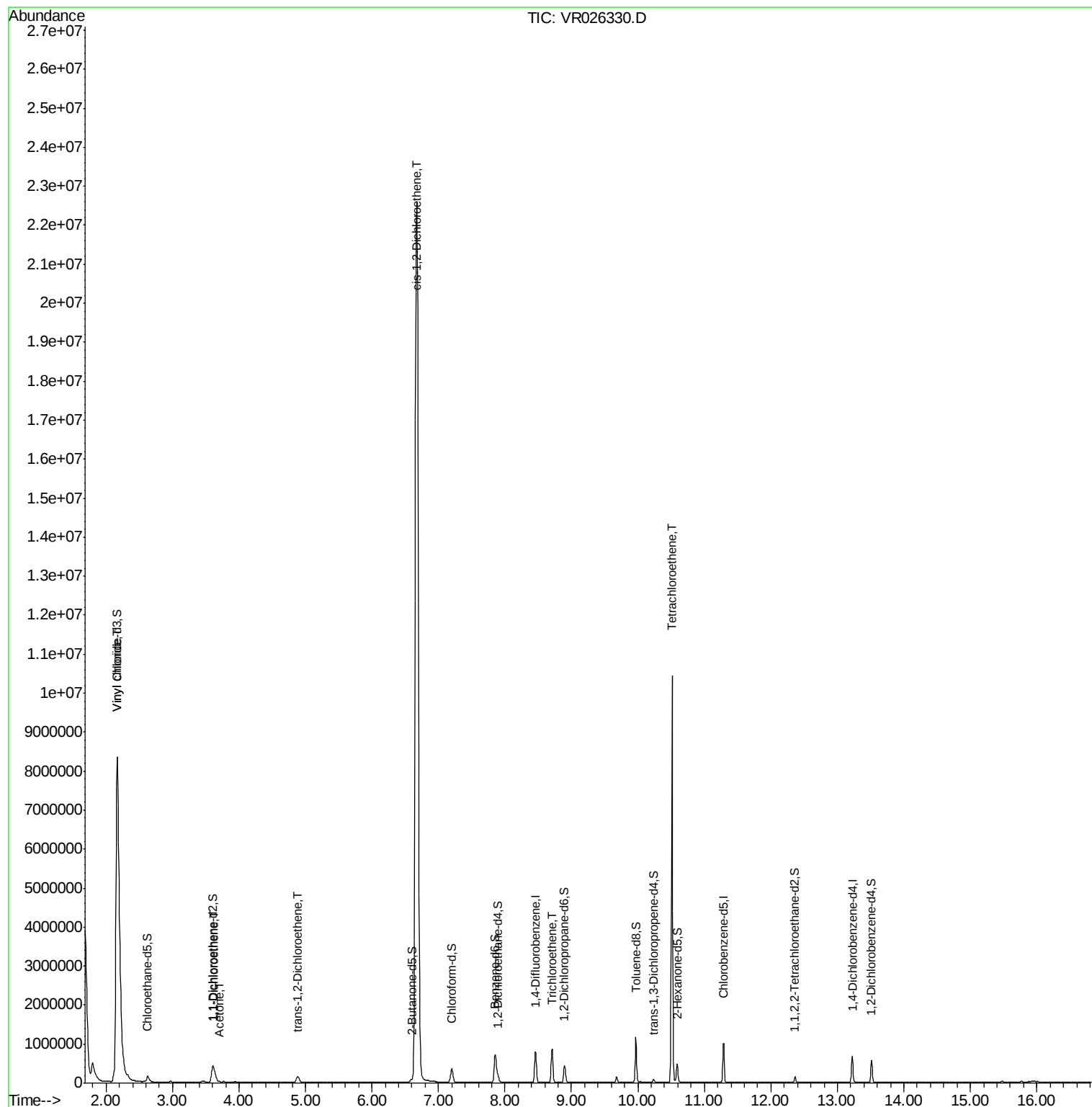
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.17	62	17405990	291.048	ug/L #	82
12) 1,1-Dichloroethene	3.62	96	79389	1.473	ug/L #	1
13) Acetone	3.70	43	14804	4.279	ug/L	87
18) trans-1,2-Dichloroethene	4.88	96	79662	1.628	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	15757595	399.247	ug/L #	70
34) Trichloroethene	8.71	95	282638	5.916	ug/L	98
47) Tetrachloroethene	10.51	164	1863969	50.847	ug/L	92

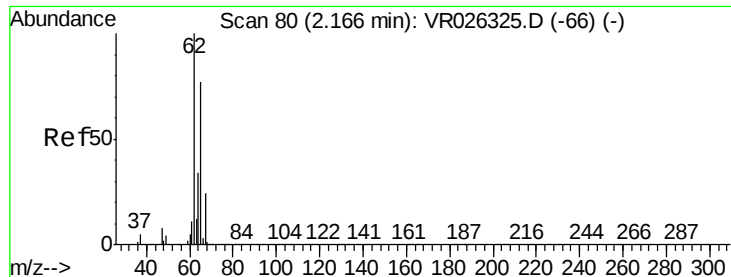
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 291.048 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026330.D

Acq: 15 Feb 2019 15:11

Instrument :

MSVOA_R

ClientSampleId :

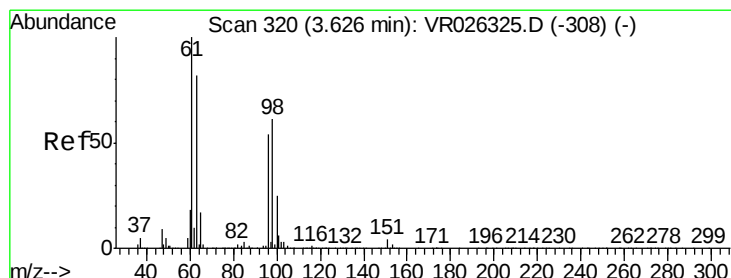
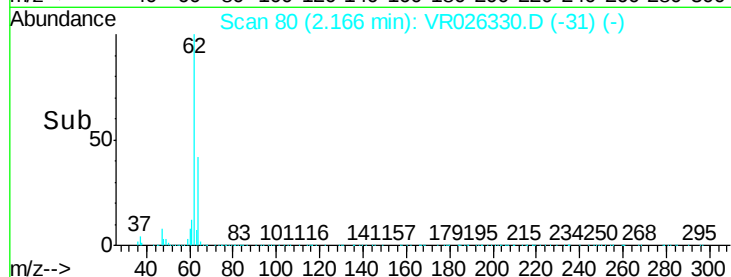
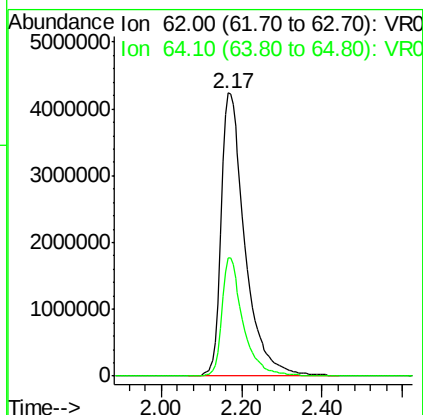
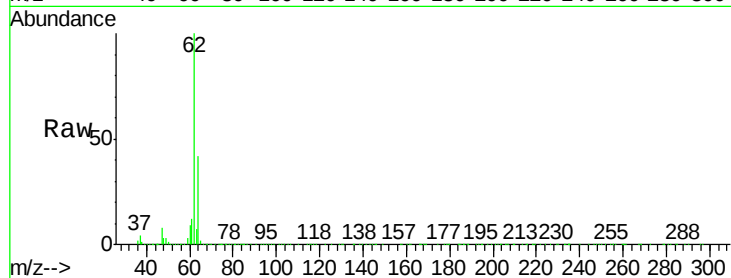
ESXF0

Tot Ion: 62 Resp:17405990

Ion Ratio Lower Upper

62 100

64 41.7 22.2 41.2#



#12

1,1-Dichloroethene

Concen: 1.473 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026330.D

Acq: 15 Feb 2019 15:11

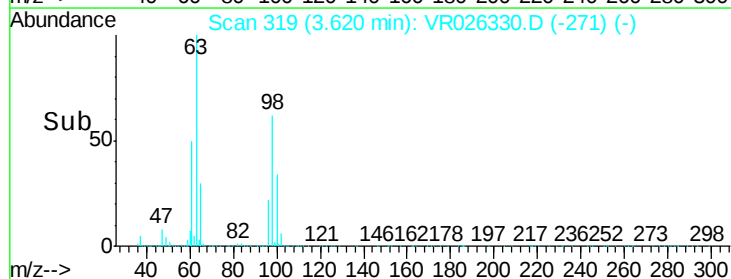
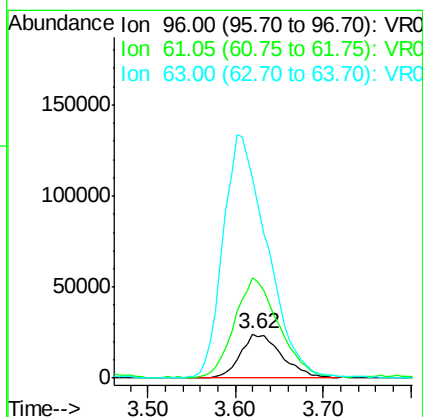
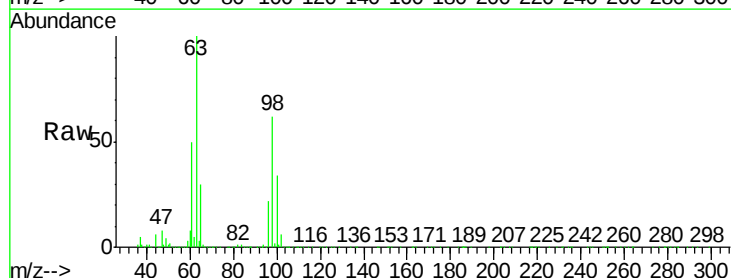
Tgt Ion: 96 Resp: 79389

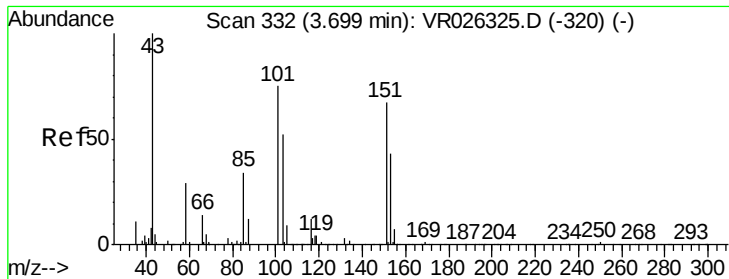
Ion Ratio Lower Upper

96 100

61 226.2 126.0 234.0

63 454.5 99.7 185.1#





#13

Acetone

Concen: 4.279 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026330.D

Acq: 15 Feb 2019 15:11

Instrument :

MSVOA_R

ClientSampleId :

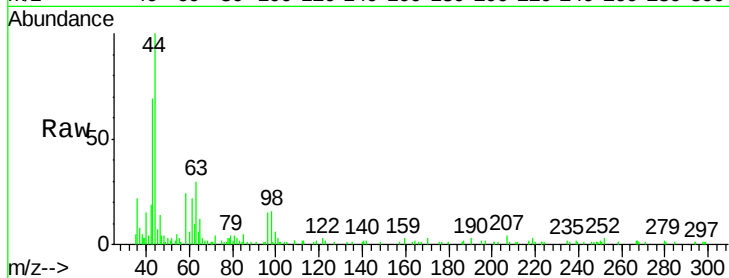
ESXF0

Tot Ion: 43 Resp: 14804

Ion Ratio Lower Upper

43 100

58 21.5 0.0 56.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

5000

4000

3000

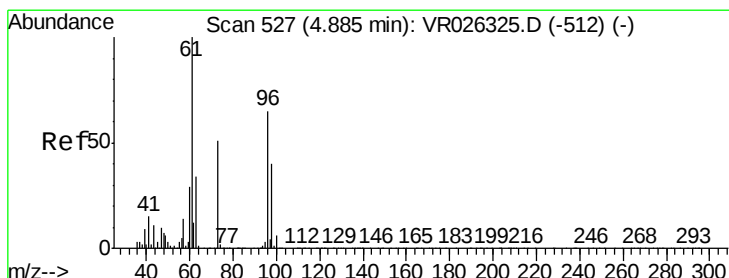
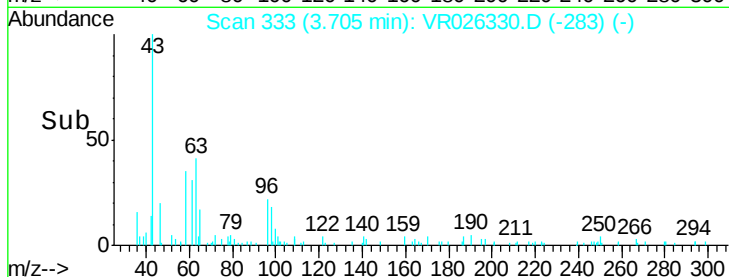
2000

1000

0

Time-->

3.60 3.65 3.70 3.75 3.80



#18

trans-1,2-Dichloroethene

Concen: 1.628 ug/L

RT: 4.88 min Scan# 526

Delta R.T. -0.01 min

Lab File: VR026330.D

Acq: 15 Feb 2019 15:11

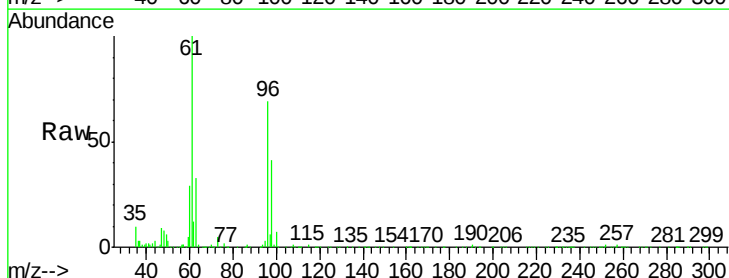
Tgt Ion: 96 Resp: 79662

Ion Ratio Lower Upper

96 100

61 145.1 102.5 190.3

98 59.9 43.9 81.5



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

50000

40000

30000

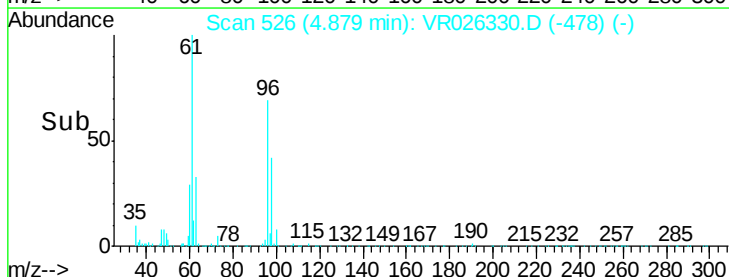
20000

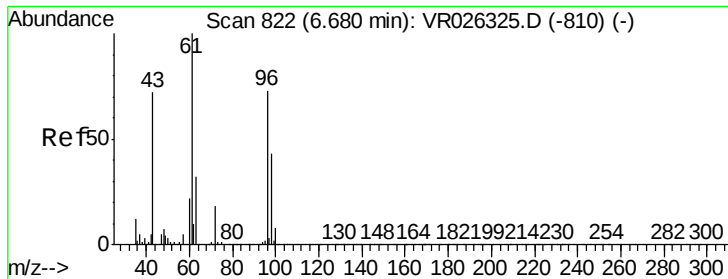
10000

0

Time-->

4.80 4.90 5.00



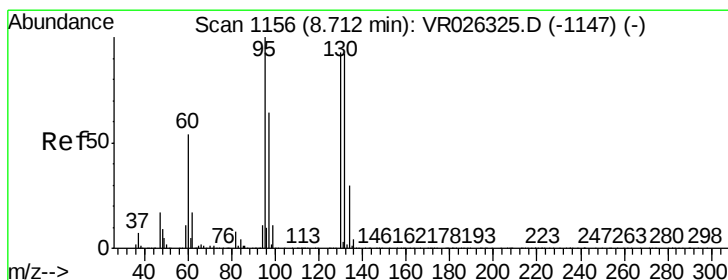
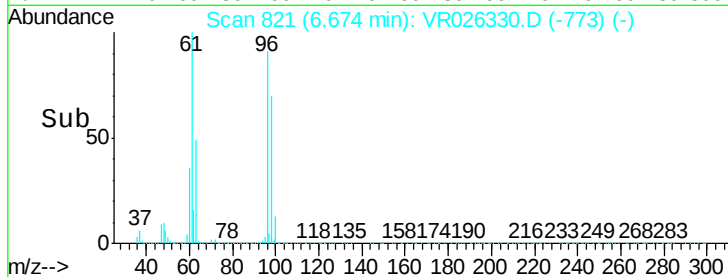
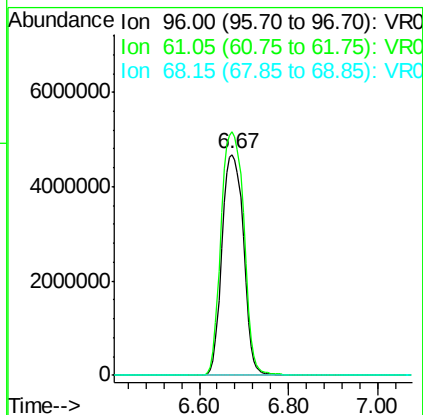
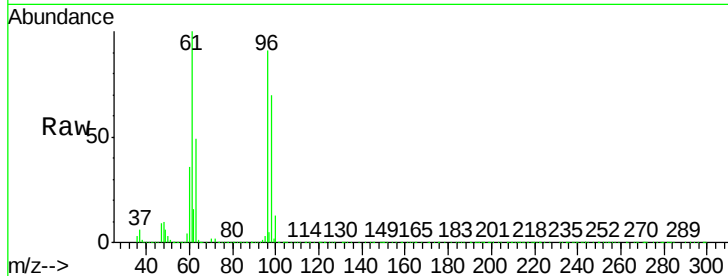


#22

cis-1,2-Dichloroethene
Concen: 399.247 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026330.D
Acq: 15 Feb 2019 15:11

Instrument :
MSVOA_R
ClientSampleId :
ESXF0

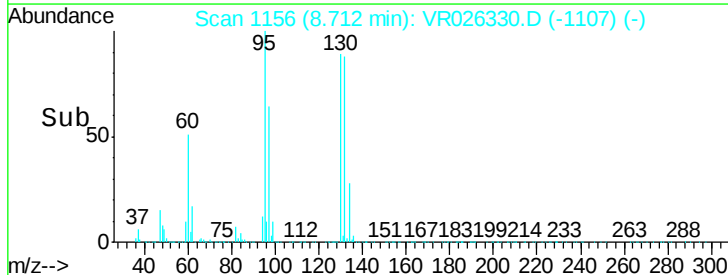
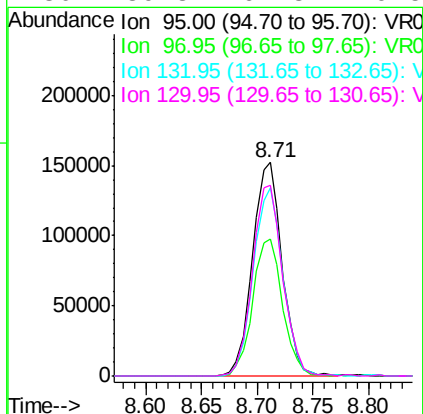
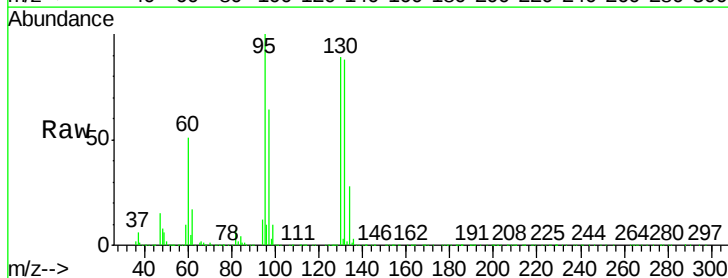
Tot Ion: 96 Resp:15757595
Ion Ratio Lower Upper
96 100
61 110.1 103.3 191.9
68 0.0 0.1 0.3#

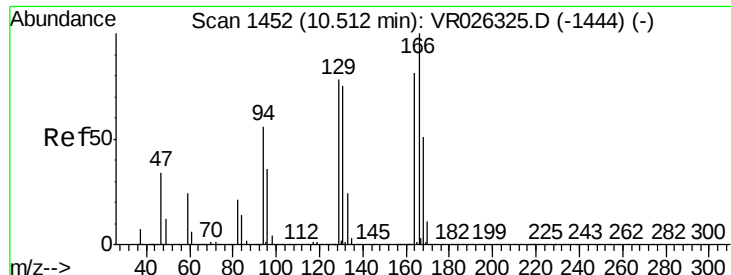


#34

Trichloroethene
Concen: 5.916 ug/L
RT: 8.71 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VR026330.D
Acq: 15 Feb 2019 15:11

Tgt Ion: 95 Resp: 282638
Ion Ratio Lower Upper
95 100
97 64.2 46.6 86.6
132 87.9 61.9 114.9
130 89.3 64.3 119.5





#47

Tetrachloroethene

Concen: 50.847 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026330.D

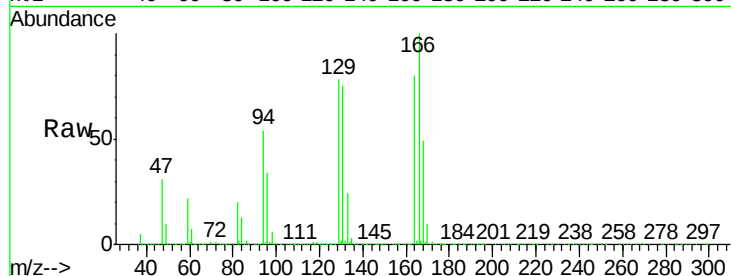
Acq: 15 Feb 2019 15:11

Instrument :

MSVOA_R

ClientSampleId :

ESXF0



Tot Ion:164 Resp: 1863969

Ion Ratio Lower Upper

164 100

129 96.6 71.5 132.9

131 93.1 72.8 135.2

166 124.4 93.4 173.4

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

