

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021419\
 Data File : VR026319.D
 Acq On : 14 Feb 2019 19:05
 Operator : SY/MD
 Sample : K1488-09
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ESXE5

Quant Time: Feb 15 04:38:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 14 14:16:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	645968	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	536477	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	153193	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	459058	7.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	155.80%#
7) Chloroethane-d5	2.62	69	209901	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	3.60	63	602885	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	6.64	46	152345	40.57	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.14%
24) Chloroform-d	7.20	84	434033	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	7.89	65	169068	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	7.85	84	860438	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	8.89	67	219922	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	9.97	98	752875	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	10.23	79	53415	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	10.59	63	174996	60.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.98%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78752	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	143408	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

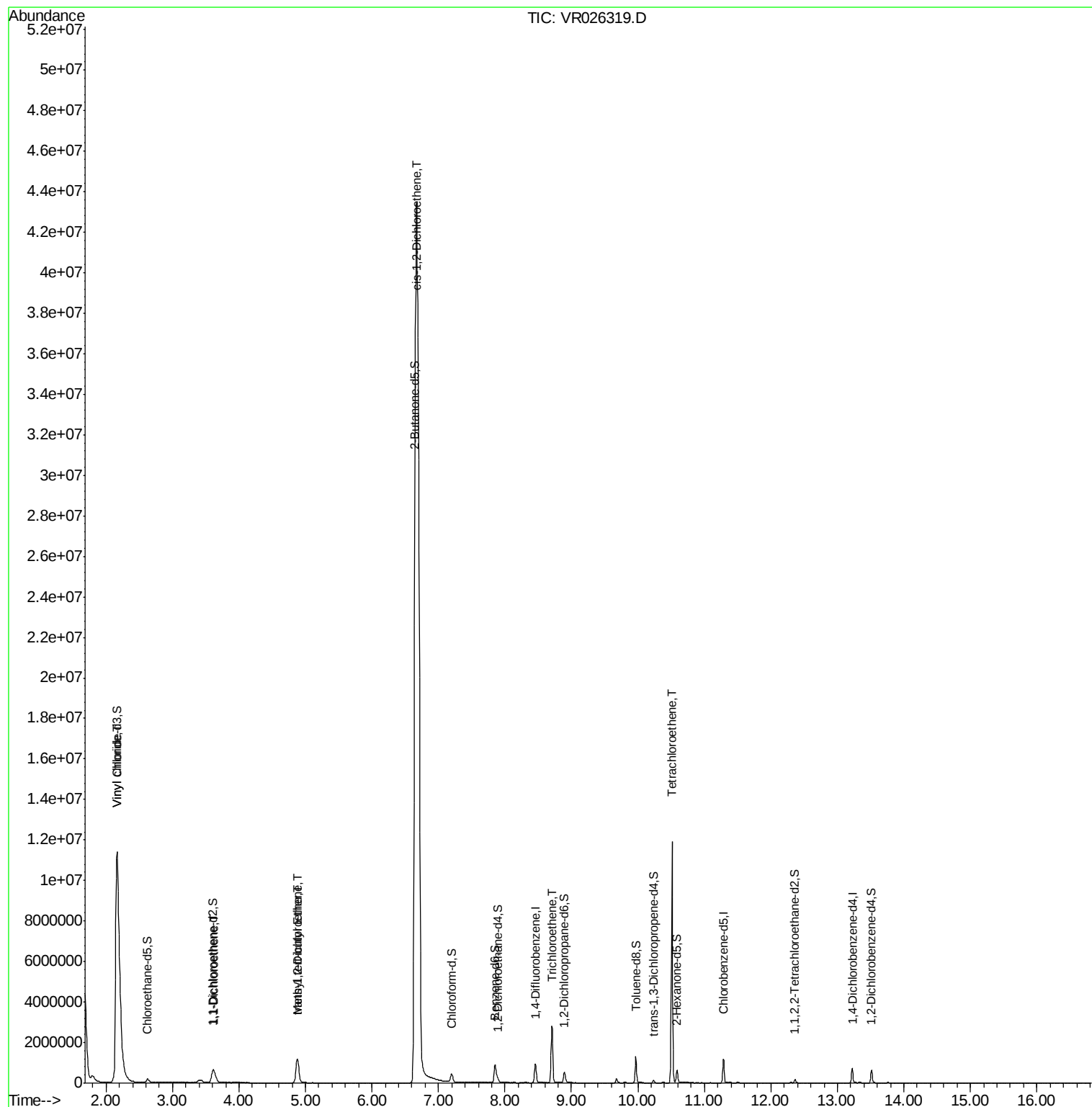
					Ovalue
5) Vinyl chloride	2.17	62	25250459	368.831	ug/L # 64
12) 1,1-Dichloroethene	3.62	96	262286	4.250	ug/L 82
17) Methyl tert-butyl Ether	4.88	73	17215	0.318	ug/L # 62
18) trans-1,2-Dichloroethene	4.88	96	702991	12.550	ug/L 97
22) cis-1,2-Dichloroethene	6.67	96	35503196	785.800	ug/L # 61
34) Trichloroethene	8.71	95	899842	16.441	ug/L 97
47) Tetrachloroethene	10.51	164	2144083	51.053	ug/L 91

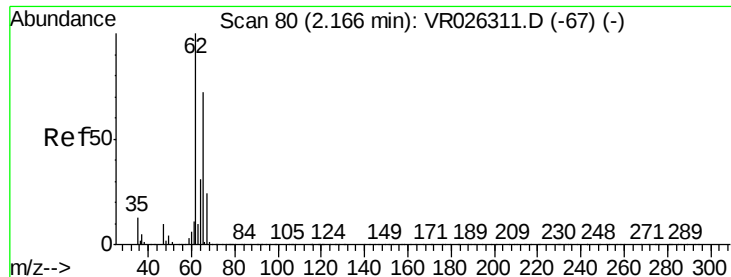
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 14 14:16:44 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 368.831 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026319.D

Acq: 14 Feb 2019 19:05

Instrument :

MSVOA_R

ClientSampleId :

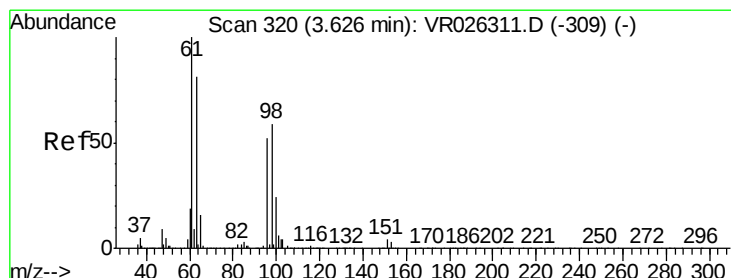
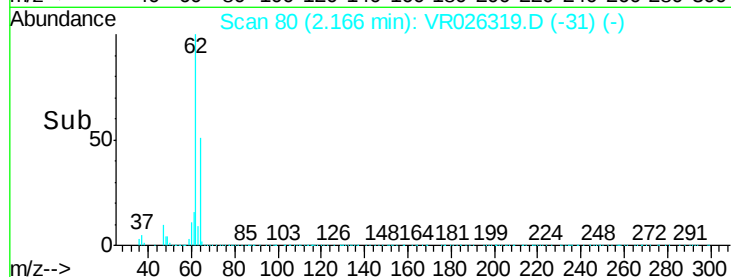
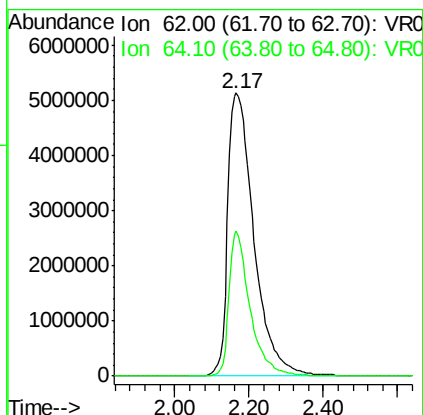
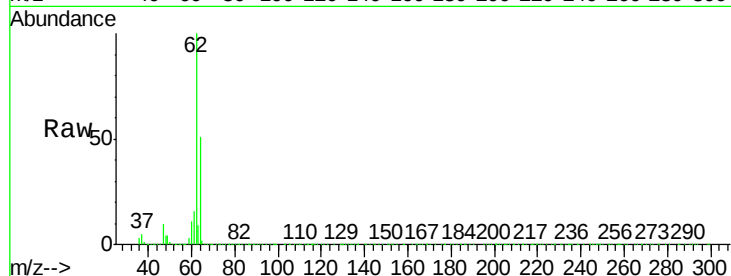
ESXE5

Tot Ion: 62 Resp: 25250459

Ion Ratio Lower Upper

62 100

64 51.5 22.2 41.2#



#12

1,1-Dichloroethene

Concen: 4.250 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026319.D

Acq: 14 Feb 2019 19:05

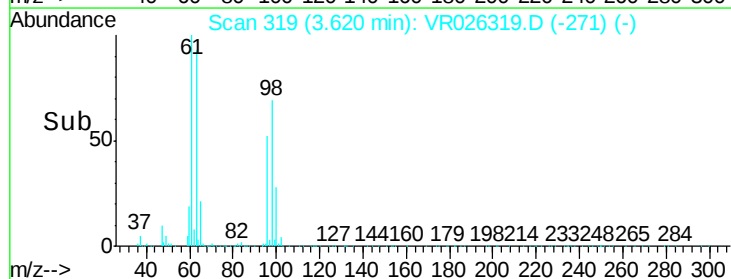
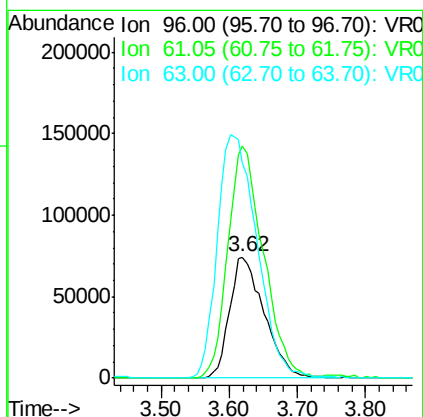
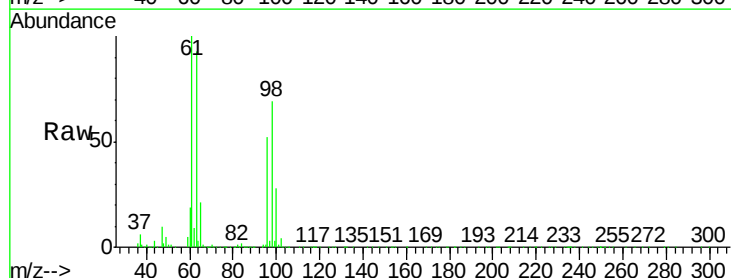
Tgt Ion: 96 Resp: 262286

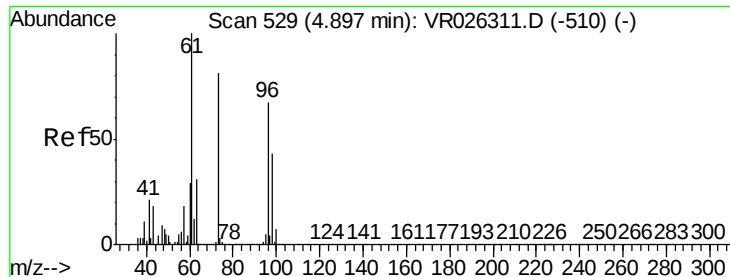
Ion Ratio Lower Upper

96 100

61 192.3 126.0 234.0

63 178.6 99.7 185.1



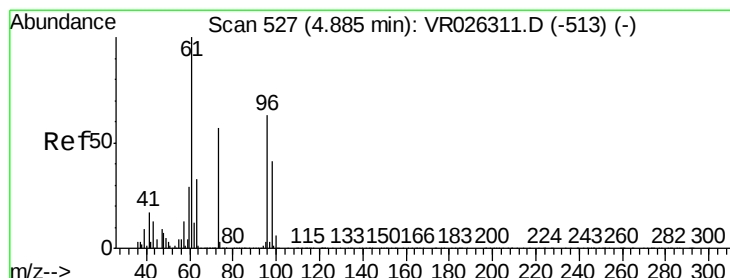
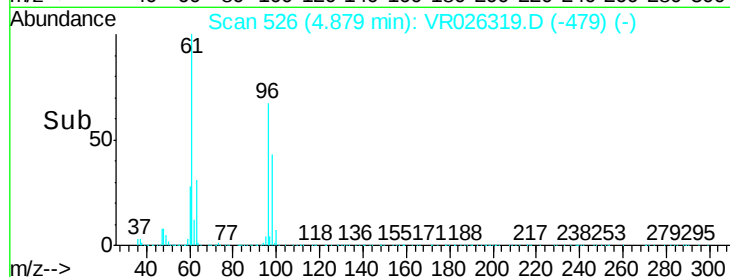
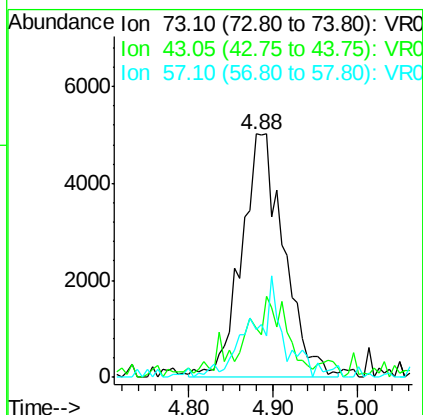
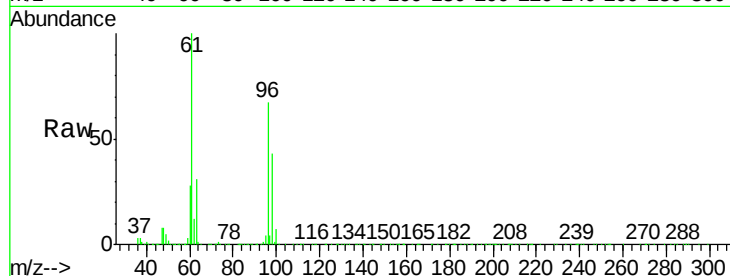


#17

Methyl tert-butyl Ether
 Concen: 0.318 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VR026319.D
 Acq: 14 Feb 2019 19:05

Instrument :
 MSVOA_R
 ClientSampleId :
 ESXE5

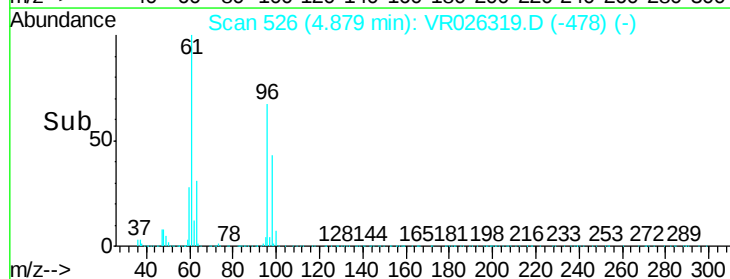
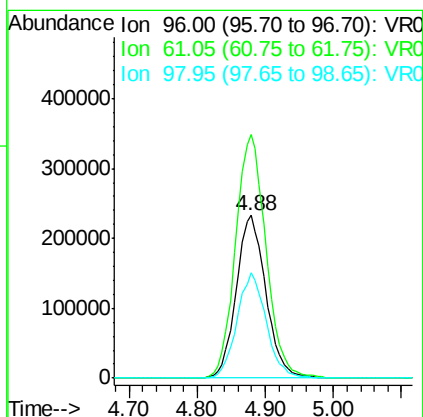
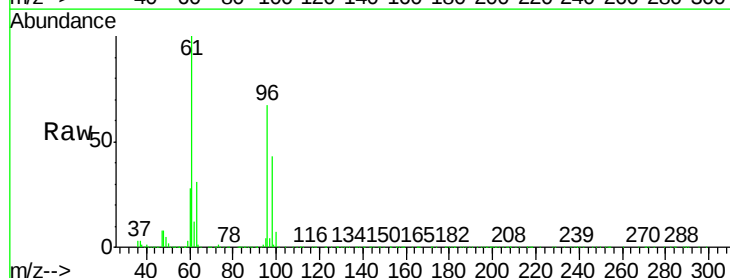
Tot Ion	Ratio	Lower	Upper
73	100		
43	0.0	17.5	26.3#
57	8.9	18.6	28.0#

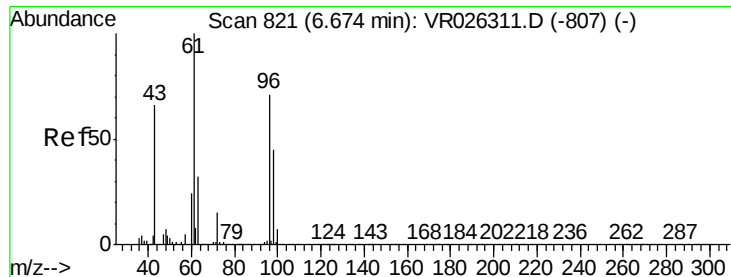


#18

trans-1,2-Dichloroethene
 Concen: 12.550 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VR026319.D
 Acq: 14 Feb 2019 19:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	102.5	190.3
98	64.8	43.9	81.5





#22

cis-1,2-Dichloroethene

Concen: 785.800 ug/L

RT: 6.67 min Scan# 820

Delta R.T. -0.01 min

Lab File: VR026319.D

Acq: 14 Feb 2019 19:05

Instrument :

MSVOA_R

ClientSampleId :

ESXE5

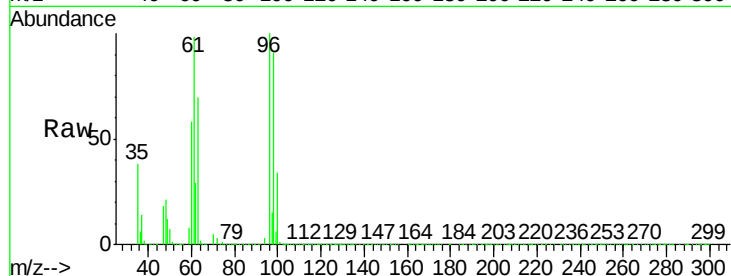
Tot Ion: 96 Resp: 35503196

Ion Ratio Lower Upper

96 100

61 98.4 103.3 191.9#

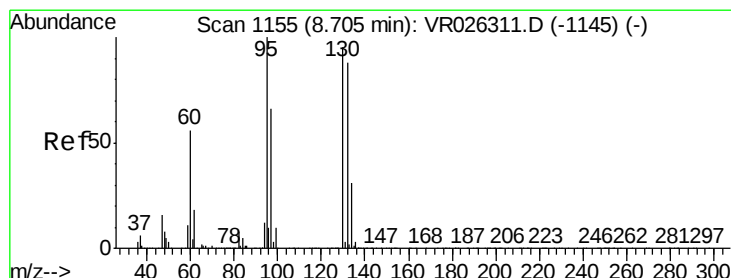
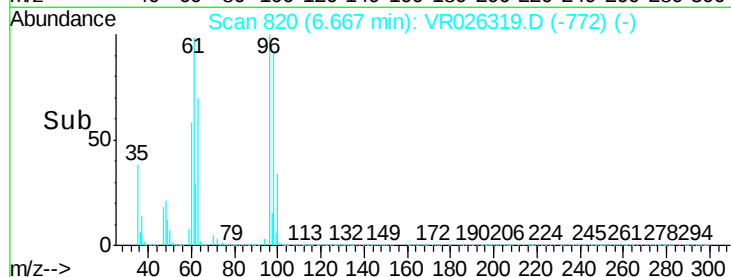
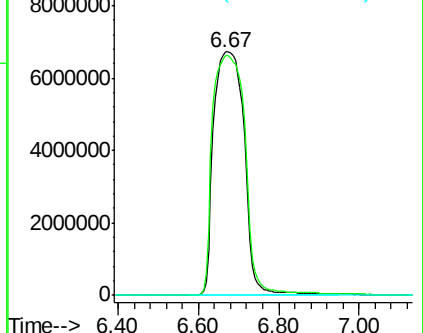
68 0.0 0.1 0.3#



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



#34

Trichloroethene

Concen: 16.441 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VR026319.D

Acq: 14 Feb 2019 19:05

Tgt Ion: 95 Resp: 899842

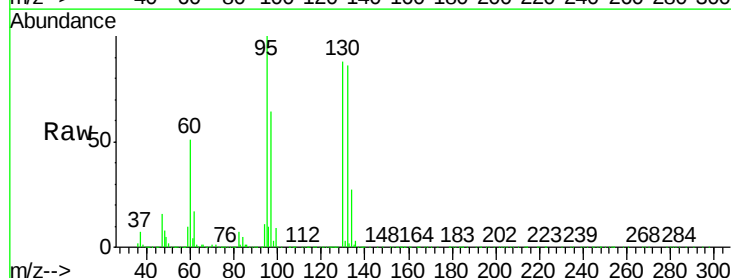
Ion Ratio Lower Upper

95 100

97 63.9 46.6 86.6

132 85.7 61.9 114.9

130 88.1 64.3 119.5

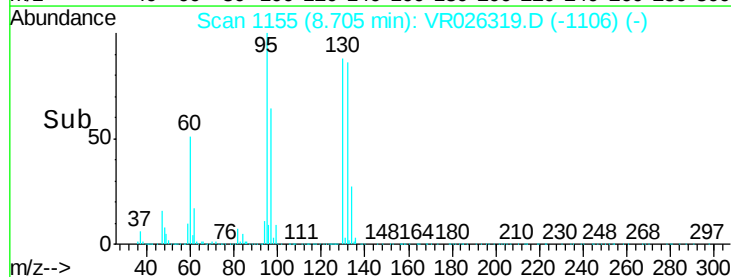
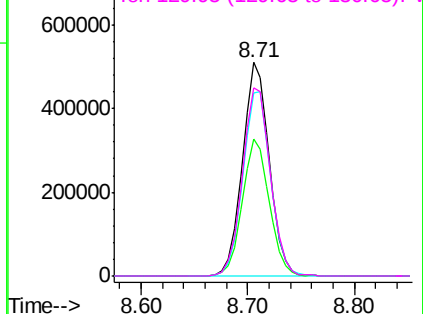


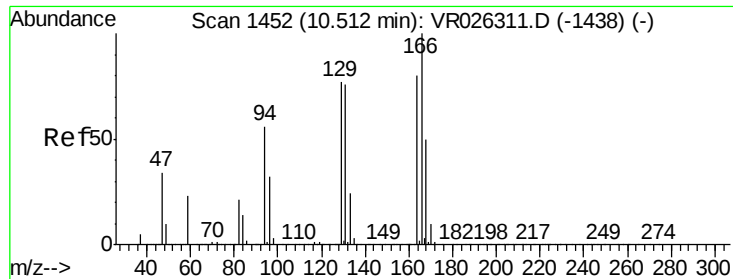
Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 51.053 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026319.D

Acq: 14 Feb 2019 19:05

Instrument :

MSVOA_R

ClientSampleId :

ESXE5

Tot Ion:164 Resp: 2144083

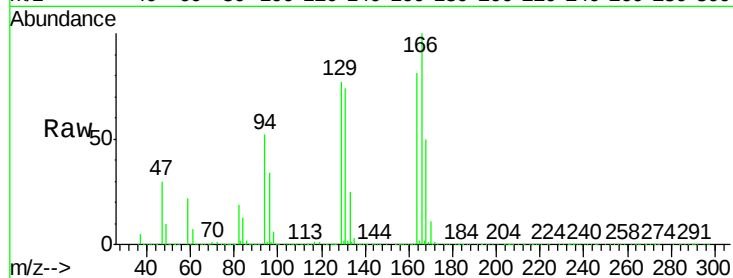
Ion Ratio Lower Upper

164 100

129 96.0 71.5 132.9

131 91.9 72.8 135.2

166 124.1 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

