

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121420\
 Data File : VV019618.D
 Acq On : 14 Dec 2020 20:41
 Operator : SY/MD
 Sample : L4928-19 5X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4N2

Quant Time: Dec 15 08:53:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 07:21:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	665213	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	616028	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	282445	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	204356	42.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.68%
7) Chloroethane-d5	1.57	69	178563	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.92%
11) 1,1-Dichloroethene-d2	2.11	63	326022	36.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.66%
21) 2-Butanone-d5	3.89	46	278646	107.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.47%
24) Chloroform-d	4.35	84	392725	45.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.36%
26) 1,2-Dichloroethane-d4	5.04	65	275546	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
32) Benzene-d6	5.05	84	787033	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.07	67	252729	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.20%
41) Toluene-d8	7.32	98	687541	46.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.96%
43) trans-1,3-Dichloropropene-	7.62	79	123519	42.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.38%
47) 2-Hexanone-d5	8.09	63	203367	100.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.68%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	338481	48.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.24%
64) 1,2-Dichlorobenzene-d4	11.63	152	257260	48.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.46%

Target Compounds

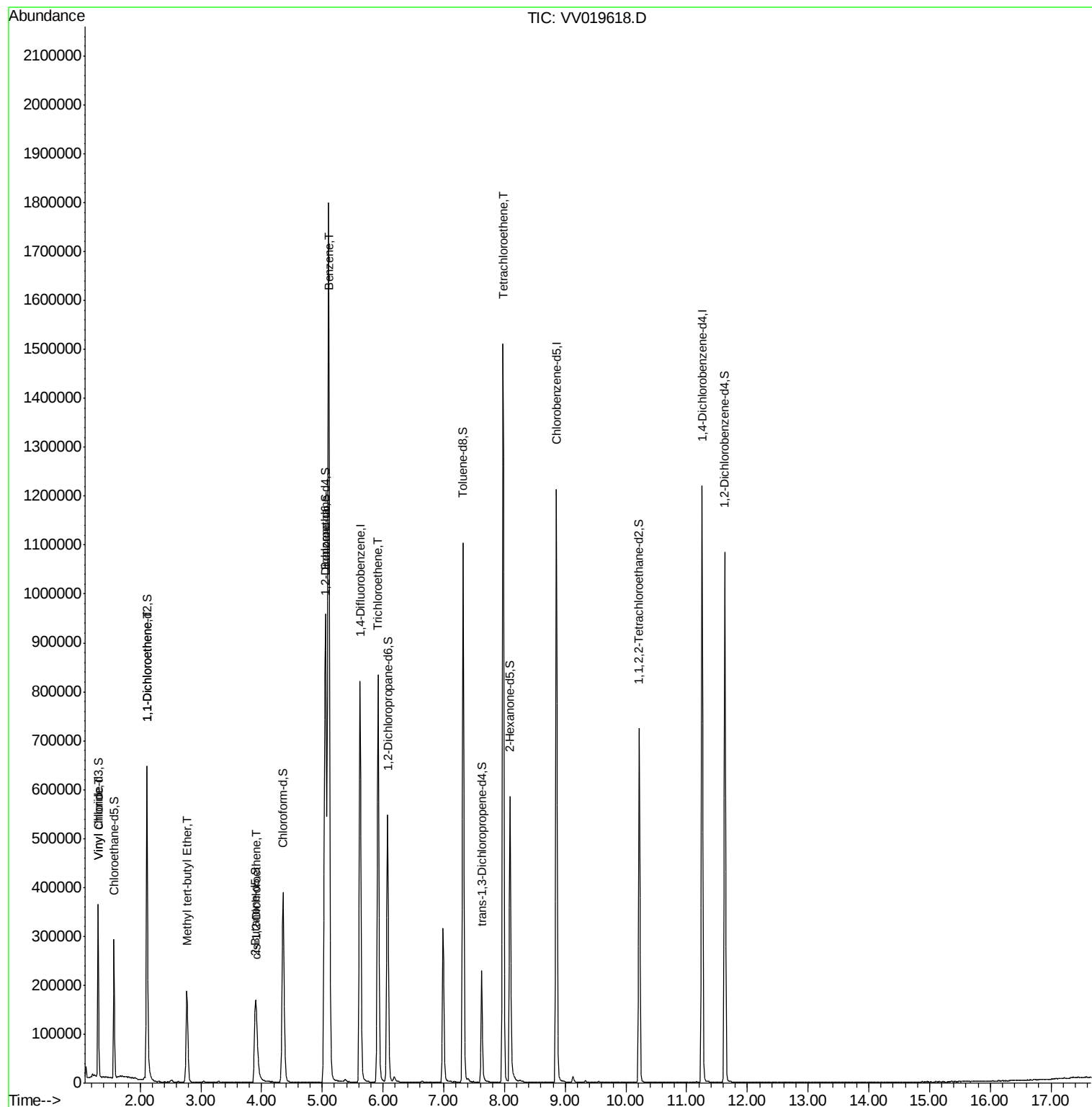
					Ovalue
5) Vinyl chloride	1.31	62	14837	2.592 ug/L #	73
12) 1,1-Dichloroethene	2.12	96	45208	11.408 ug/L #	1
18) Methyl tert-butyl Ether	2.77	73	187880	12.378 ug/L	99
20) cis-1,2-Dichloroethene	3.92	96	25749	5.392 ug/L #	94
33) Benzene	5.10	78	1747282	97.050 ug/L	100
34) Trichloroethene	5.92	95	293800	61.775 ug/L	99
46) Tetrachloroethene	7.98	164	302978	92.066 ug/L	97

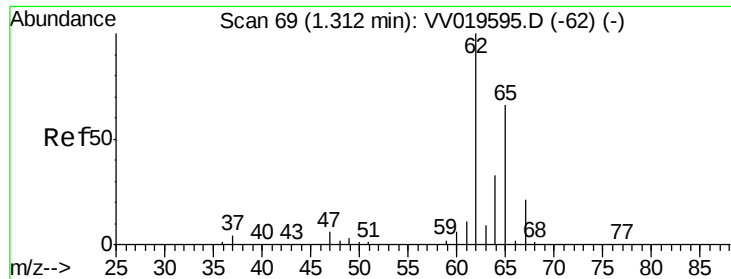
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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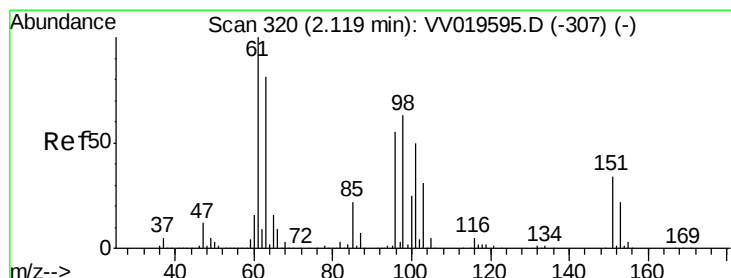
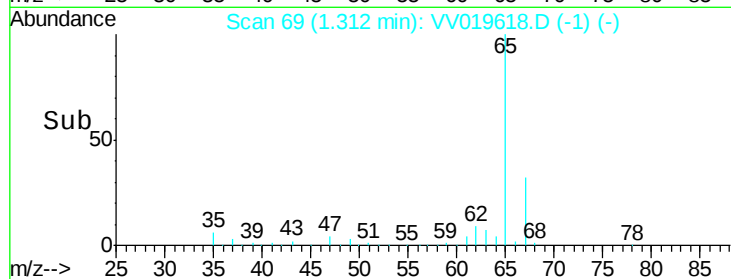
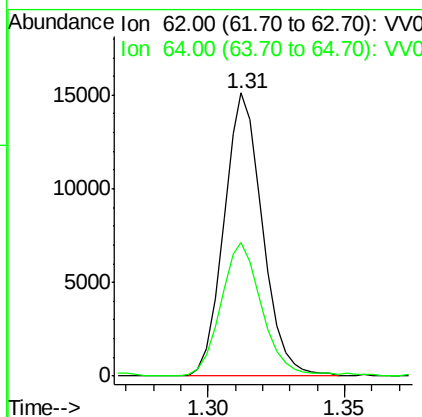
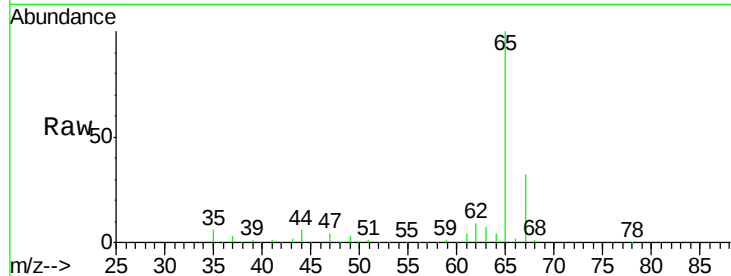




#5
 Vinyl chloride
 Concen: 2.592 ug/L
 RT: 1.31 min Scan# 69
 Delta R.T. 0.00 min
 Lab File: VV019618.D
 Acq: 14 Dec 2020 20:41

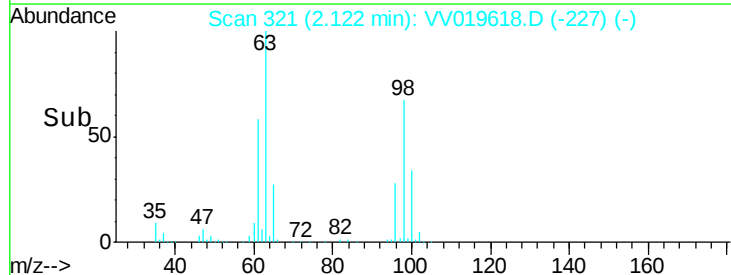
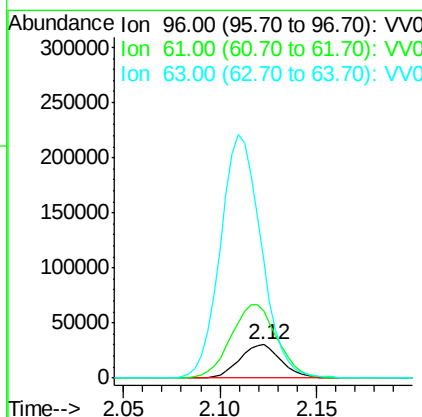
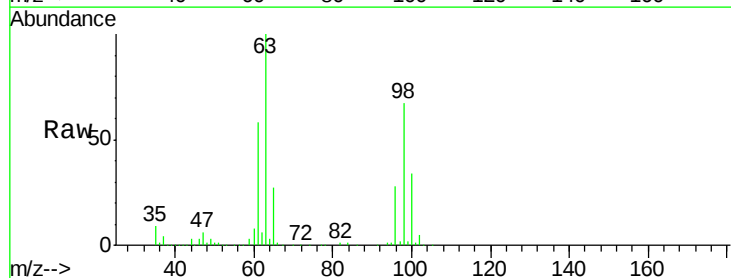
Instrument :
 MSVOA_V
 ClientSampled :
 BG4N2

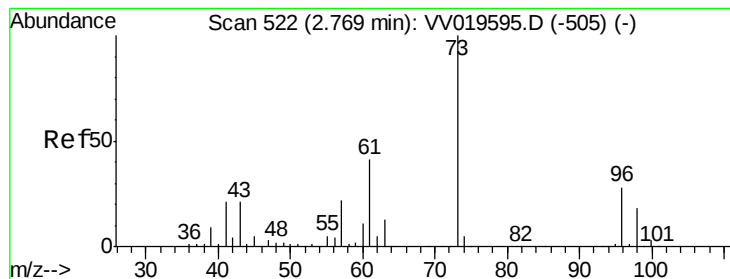
Tot Ion: 62 Resp: 14837
 Ion Ratio Lower Upper
 62 100
 64 47.1 22.5 41.7#



#12
 1,1-Dichloroethene
 Concen: 11.408 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. 0.00 min
 Lab File: VV019618.D
 Acq: 14 Dec 2020 20:41

Tgt Ion: 96 Resp: 45208
 Ion Ratio Lower Upper
 96 100
 61 202.4 120.7 224.1
 63 351.4 64.3 119.5#



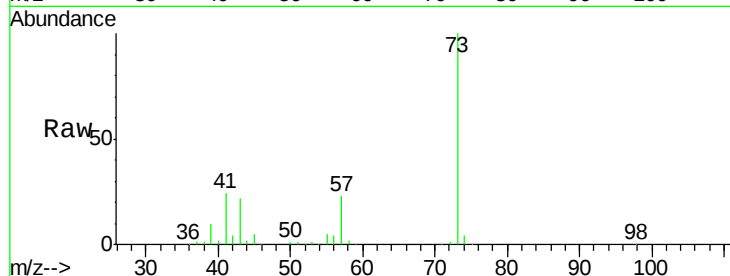


#18

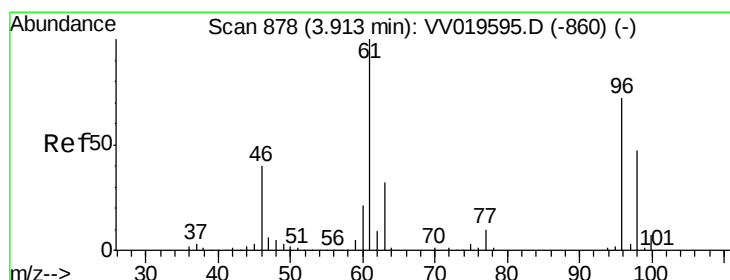
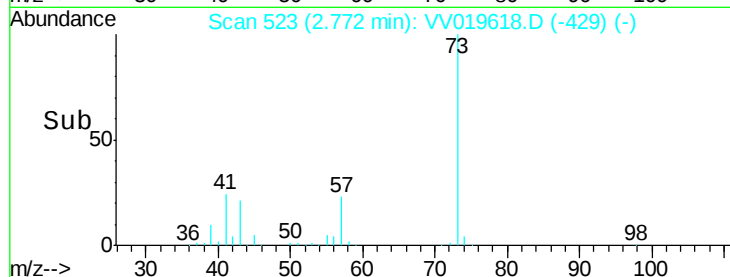
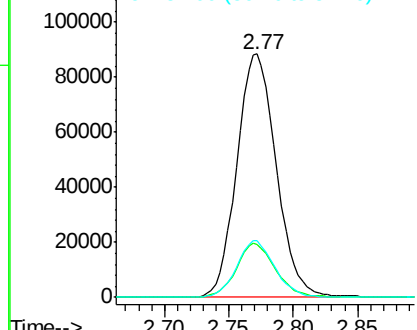
Methvl tert-butvl Ether
 Concen: 12.378 ug/L
 RT: 2.77 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VV019618.D
 Acq: 14 Dec 2020 20:41

Instrument :
 MSVOA_V
 ClientSampleId :
 BG4N2

Tot Ion: 73 Resp: 187880
 Ion Ratio Lower Upper
 73 100
 43 21.7 17.3 25.9
 57 22.5 17.5 26.3



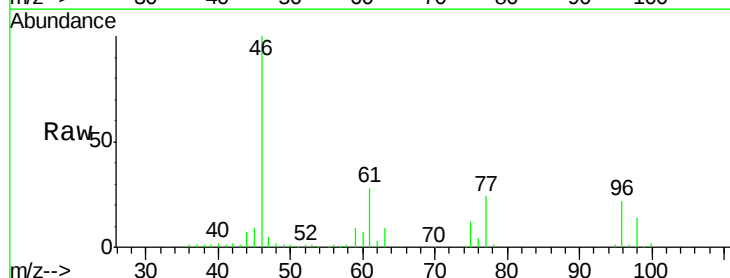
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



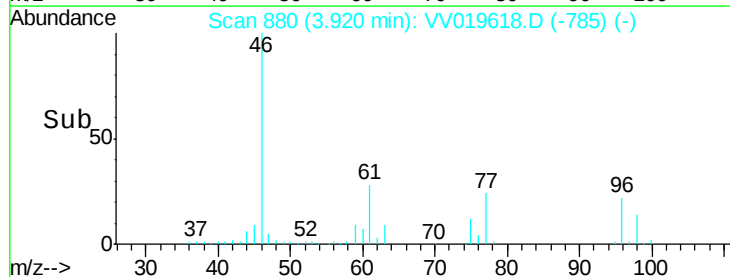
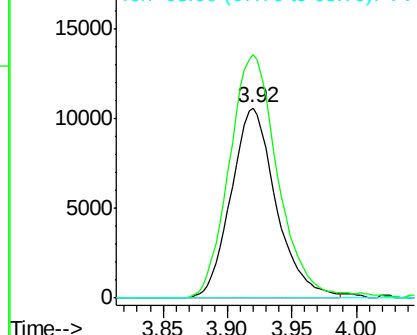
#20

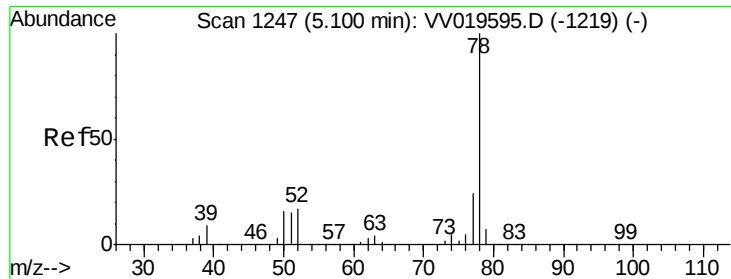
cis-1,2-Dichloroethene
 Concen: 5.392 ug/L
 RT: 3.92 min Scan# 880
 Delta R.T. 0.01 min
 Lab File: VV019618.D
 Acq: 14 Dec 2020 20:41

Tgt Ion: 96 Resp: 25749
 Ion Ratio Lower Upper
 96 100
 61 127.9 94.1 174.8
 68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#33

Benzene

Concen: 97.050 ug/L

RT: 5.10 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VV019618.D

Acq: 14 Dec 2020 20:41

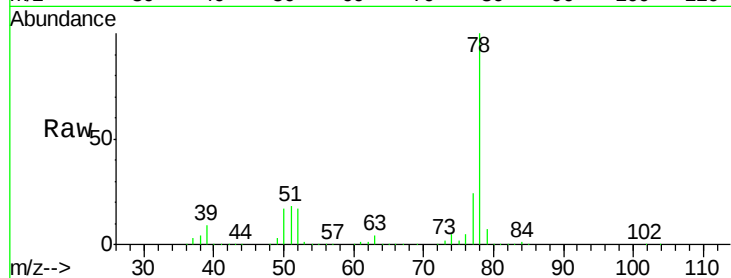
Instrument :

MSVOA_V

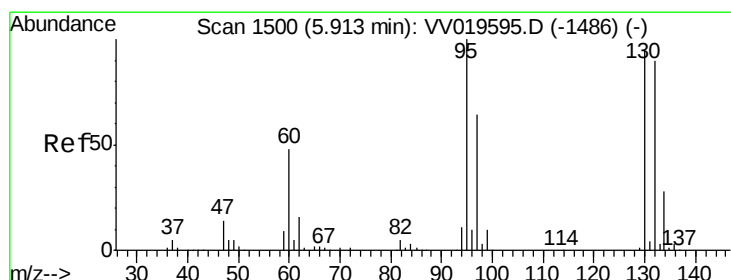
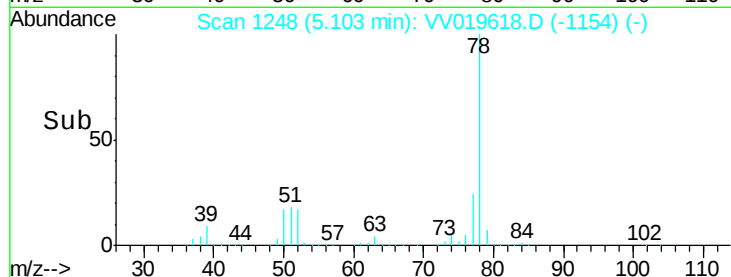
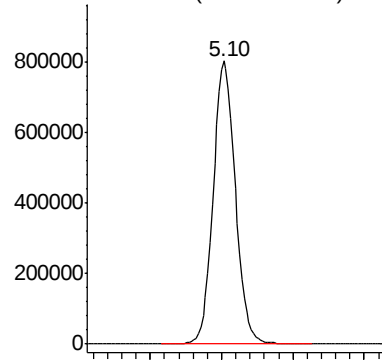
ClientSampleId :

BG4N2

Tgt Ion: 78 Resp: 1747282



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 61.775 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VV019618.D

Acq: 14 Dec 2020 20:41

Tgt Ion: 95 Resp: 293800

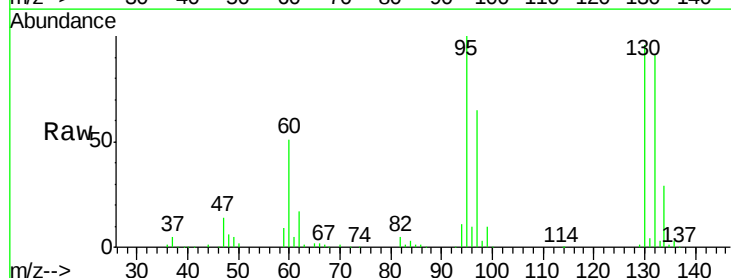
Ion Ratio Lower Upper

95 100

97 65.2 44.4 82.4

132 91.4 64.3 119.3

130 96.0 67.8 125.8

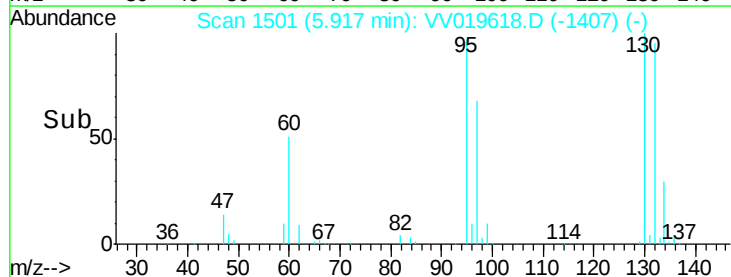
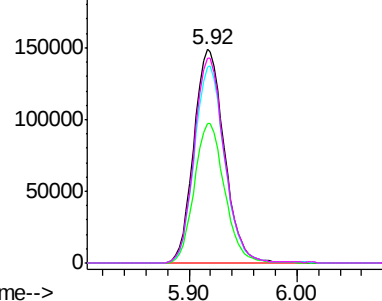


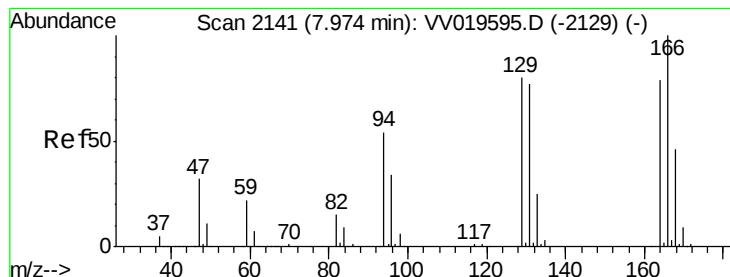
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#46

Tetrachloroethene

Concen: 92.066 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VV019618.D

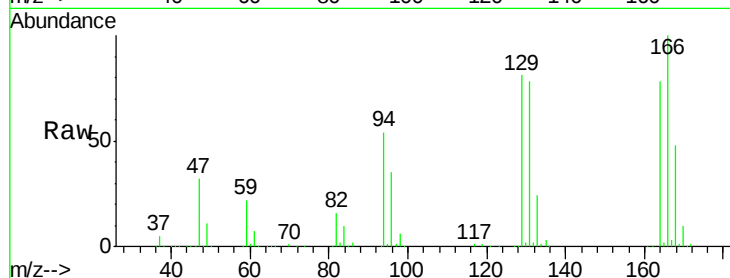
Acq: 14 Dec 2020 20:41

Instrument :

MSVOA_V

ClientSampleId :

BG4N2



Tot Ion:164 Resp: 302978

Ion Ratio Lower Upper

164 100

129 103.4 70.6 131.0

131 99.1 68.0 126.4

166 127.7 86.9 161.5

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

