

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017953.D
 Acq On : 13 Aug 2020 02:30
 Operator : SY/MD
 Sample : L3644-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L75

Quant Time: Aug 13 06:54:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	247120	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	241962	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111340	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84584	44.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.72%
7) Chloroethane-d5	1.58	69	71620	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.86%
11) 1,1-Dichloroethene-d2	2.12	63	139918	38.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.58%
21) 2-Butanone-d5	3.91	46	124142	100.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.53%
24) Chloroform-d	4.38	84	156247	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.04%
26) 1,2-Dichloroethane-d4	5.06	65	110146	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
32) Benzene-d6	5.08	84	319884	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
36) 1,2-Dichloropropane-d6	6.09	67	107344	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.48%
41) Toluene-d8	7.34	98	282494	47.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.22%
43) trans-1,3-Dichloropropene-	7.64	79	45193	45.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.42%
47) 2-Hexanone-d5	8.11	63	66179	94.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.60%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	132216	46.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	113974	52.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.02%

Target Compounds

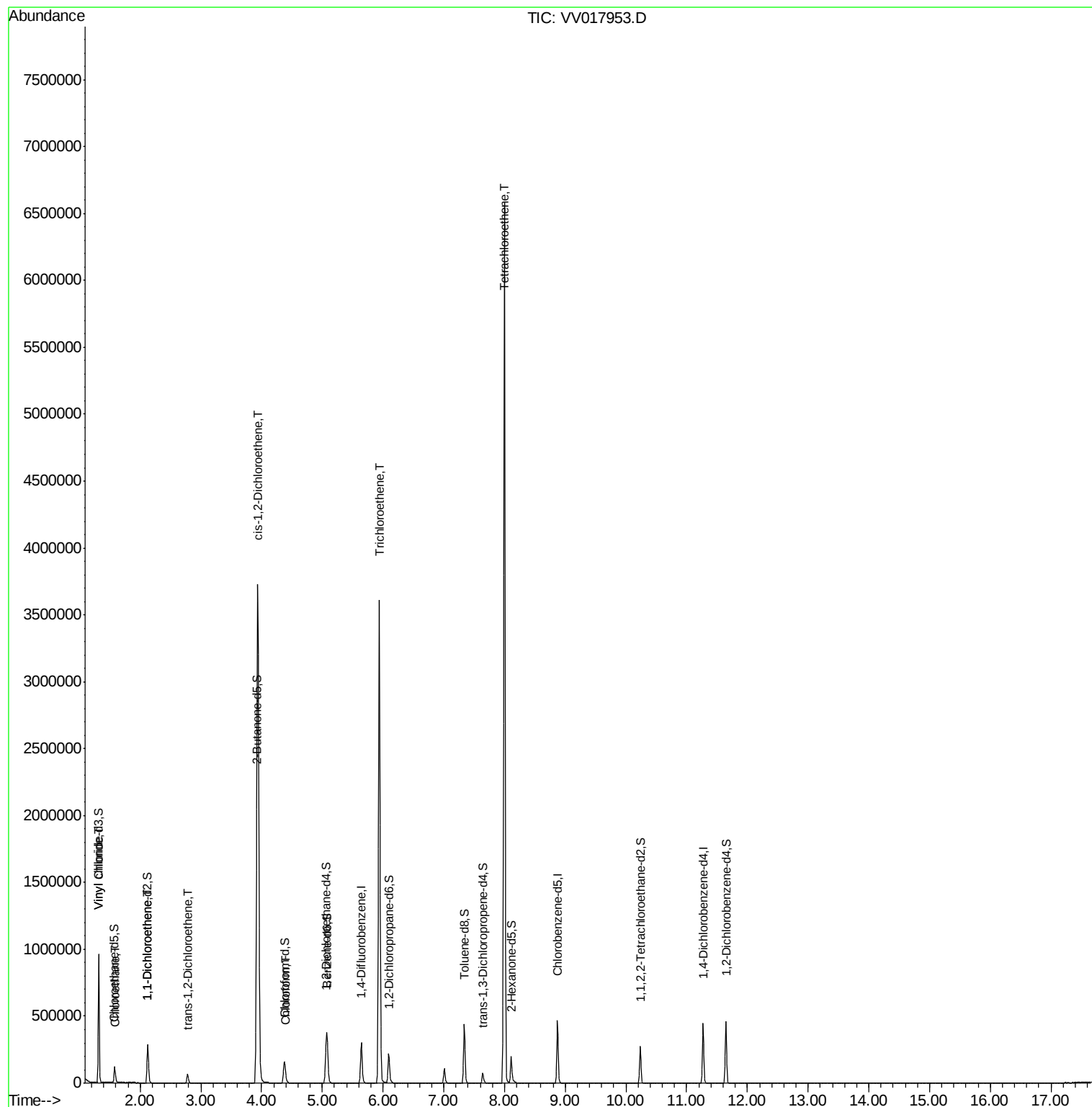
					Ovalue
5) Vinyl chloride	1.32	62	513130	233.686	ug/L 100
8) Chloroethane	1.60	64	26699	19.050	ug/L 96
12) 1,1-Dichloroethene	2.13	96	30570	18.442	ug/L # 41
17) trans-1,2-Dichloroethene	2.78	96	23841	13.991	ug/L 96
20) cis-1,2-Dichloroethene	3.94	96	2021845	1079.741	ug/L 100
25) Chloroform	4.40	83	6628	1.897	ug/L 97
34) Trichloroethene	5.94	95	1247760	630.582	ug/L 99
46) Tetrachloroethene	8.00	164	1431291	986.284	ug/L 99

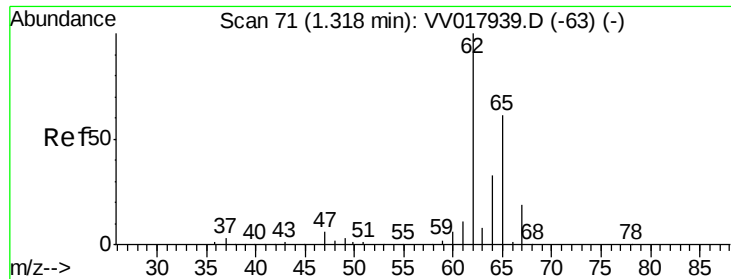
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 233.686 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017953.D

Acq: 13 Aug 2020 02:30

Instrument :

MSVOA_V

ClientSampled :

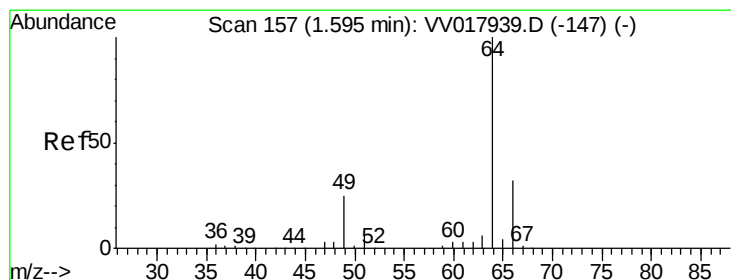
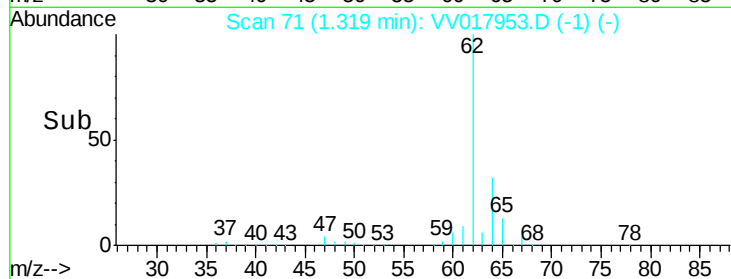
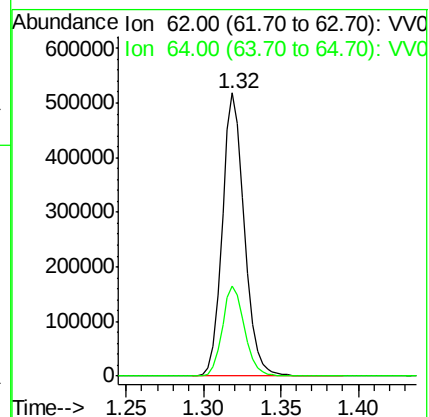
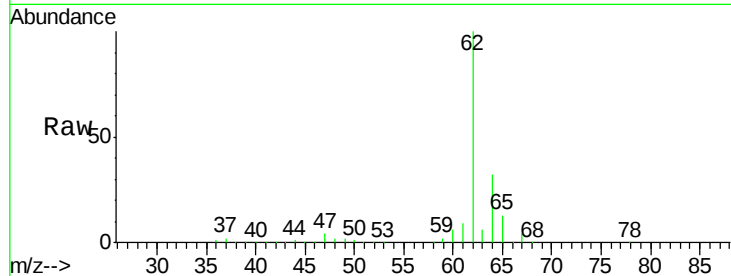
F2L75

Tot Ion: 62 Resp: 513130

Ion Ratio Lower Upper

62 100

64 32.1 22.4 41.6



#8

Chloroethane

Concen: 19.050 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017953.D

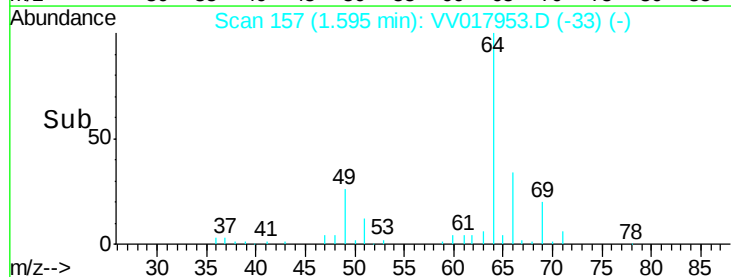
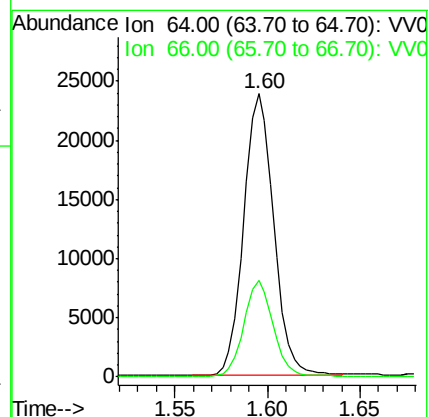
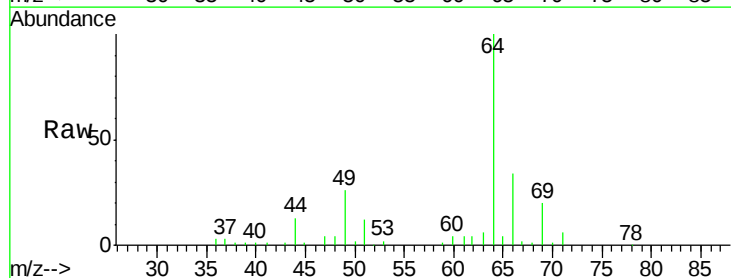
Acq: 13 Aug 2020 02:30

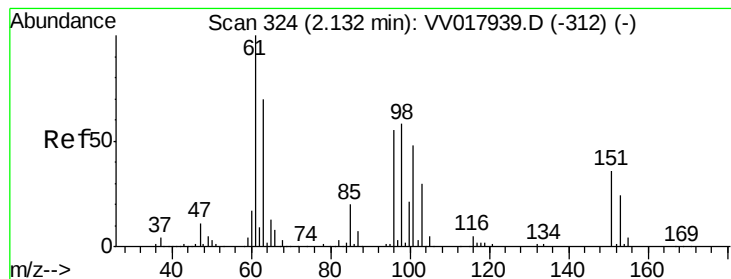
Tgt Ion: 64 Resp: 26699

Ion Ratio Lower Upper

64 100

66 34.0 22.3 41.3





#12

1,1-Dichloroethene

Concen: 18.442 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017953.D

Acq: 13 Aug 2020 02:30

Instrument :

MSVOA_V

ClientSampled :

F2L75

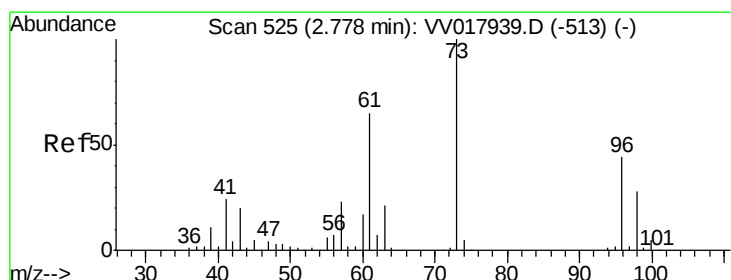
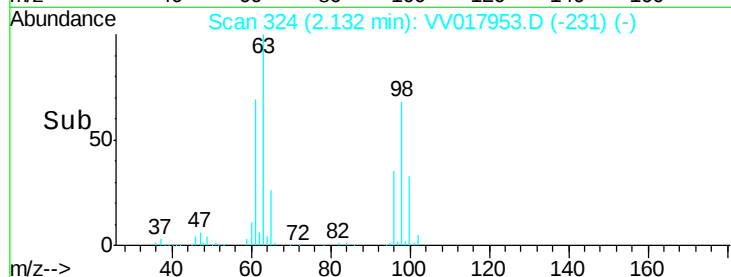
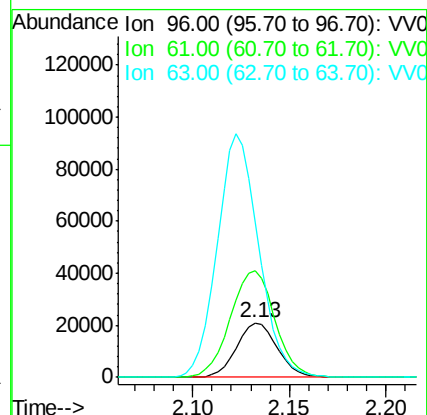
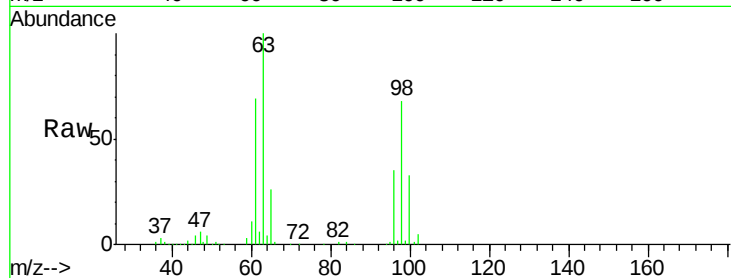
Tot Ion: 96 Resp: 30570

Ion Ratio Lower Upper

96 100

61 196.0 127.1 236.0

63 285.8 95.2 176.8#



#17

trans-1,2-Dichloroethene

Concen: 13.991 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017953.D

Acq: 13 Aug 2020 02:30

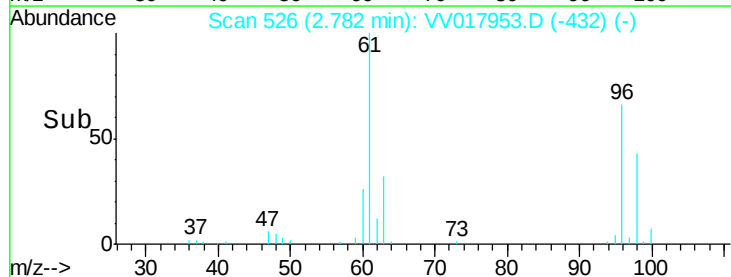
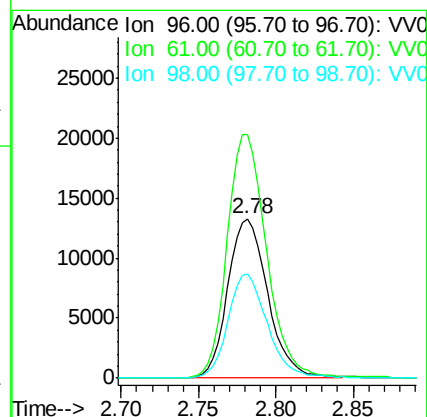
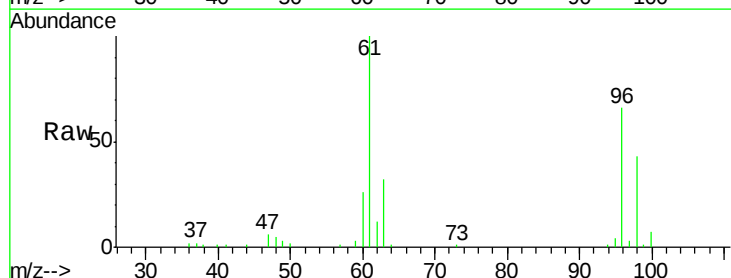
Tgt Ion: 96 Resp: 23841

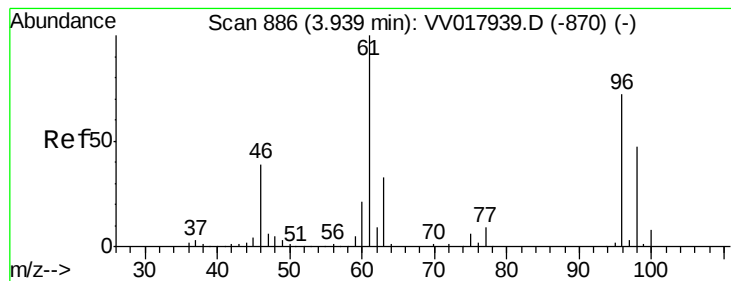
Ion Ratio Lower Upper

96 100

61 152.5 102.4 190.2

98 65.0 44.4 82.5



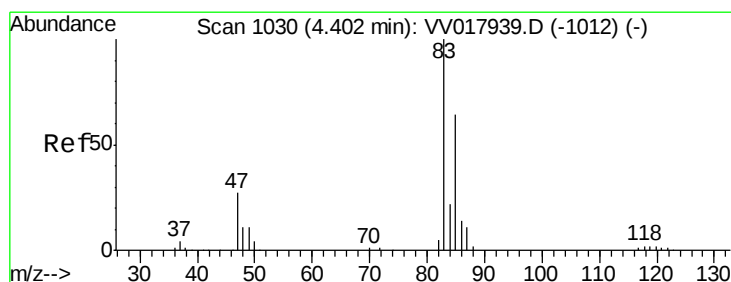
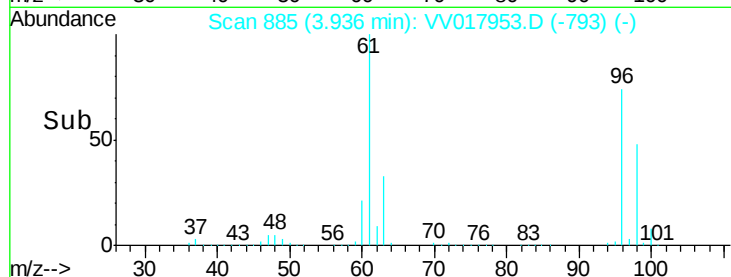
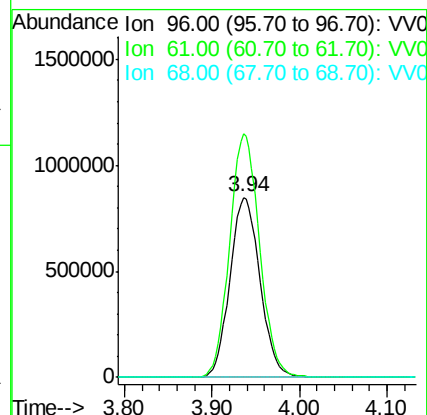
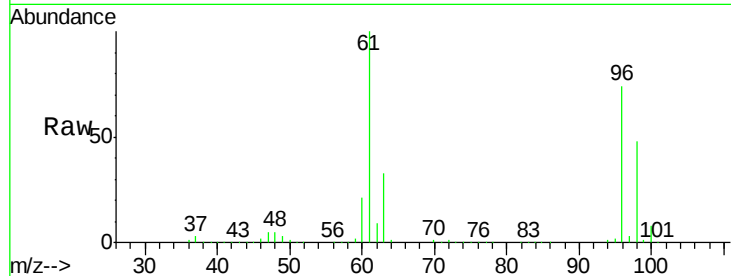


#20

cis-1,2-Dichloroethene
Concen: 1079.741 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV017953.D
Acq: 13 Aug 2020 02:30

Instrument :
MSVOA_V
ClientSampled :
F2L75

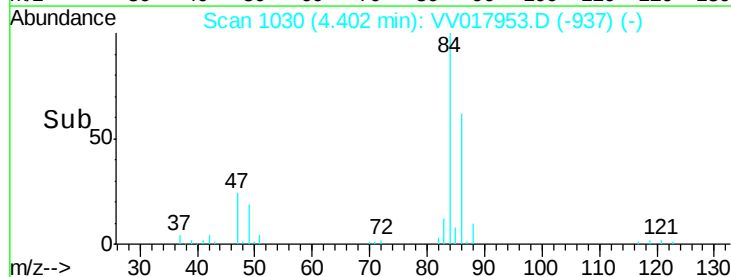
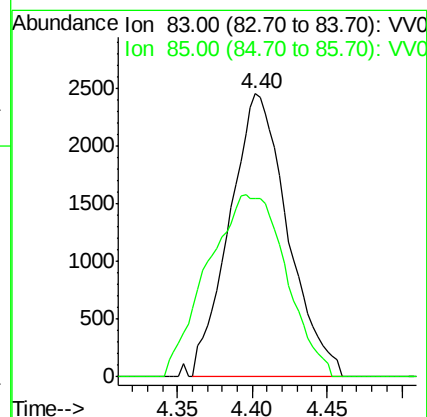
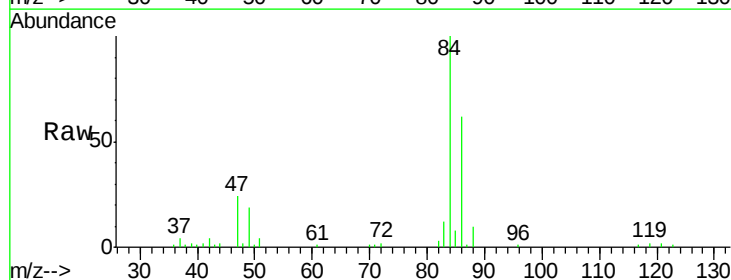
Tot Ion: 96 Resp: 2021845
Ion Ratio Lower Upper
96 100
61 135.3 95.0 176.4
68 0.0 0.0 0.0

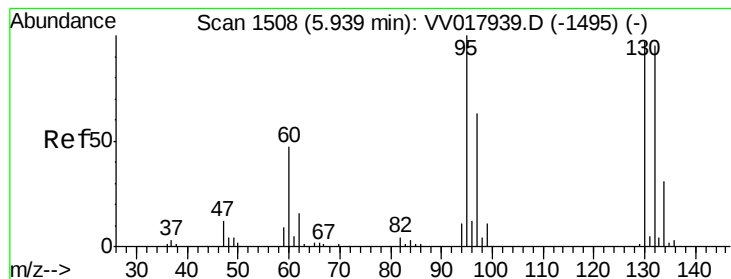


#25

Chloroform
Concen: 1.897 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017953.D
Acq: 13 Aug 2020 02:30

Tgt Ion: 83 Resp: 6628
Ion Ratio Lower Upper
83 100
85 63.0 45.5 84.5





#34

Trichloroethene

Concen: 630.582 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017953.D

Acq: 13 Aug 2020 02:30

Instrument :

MSVOA_V

ClientSampleId :

F2L75

Tot Ion: 95 Resp: 1247760

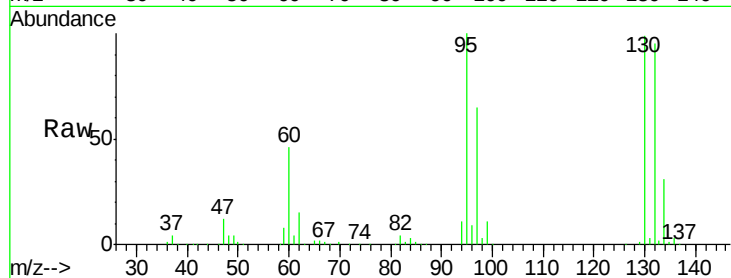
Ion Ratio Lower Upper

95 100

97 64.5 46.0 85.4

132 94.6 65.8 122.2

130 98.6 69.2 128.6

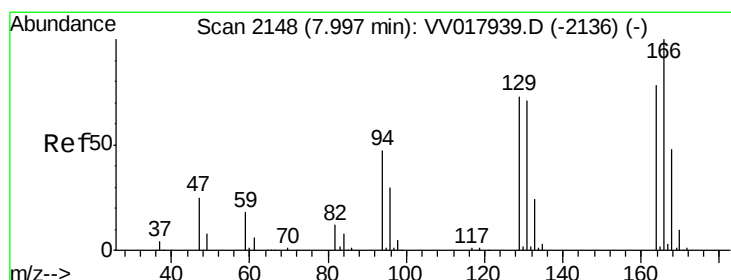
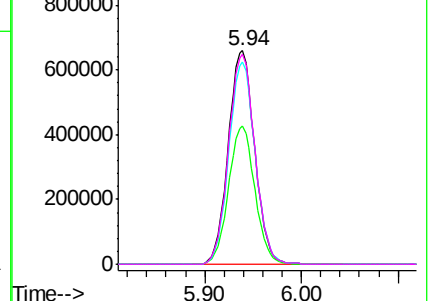
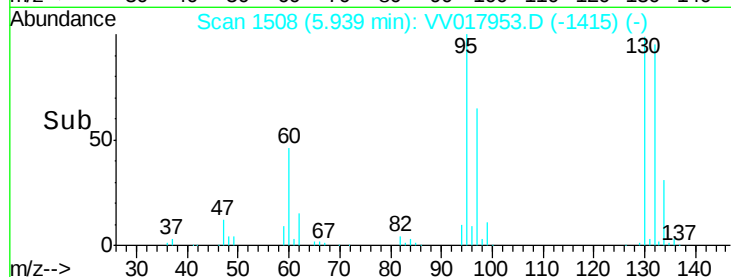


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 986.284 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV017953.D

Acq: 13 Aug 2020 02:30

Tgt Ion: 164 Resp: 1431291

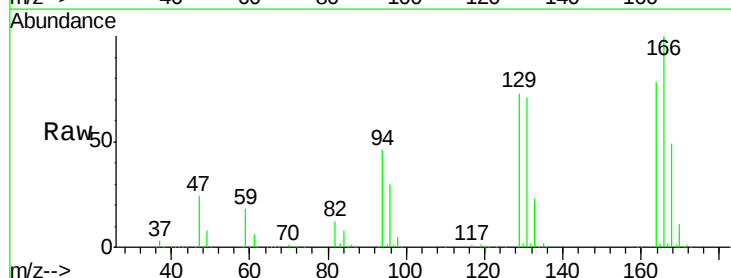
Ion Ratio Lower Upper

164 100

129 93.6 64.8 120.3

131 90.7 64.5 119.9

166 127.5 88.9 165.1



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

