

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017955.D
 Acq On : 13 Aug 2020 03:17
 Operator : SY/MD
 Sample : L3644-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L76

Quant Time: Aug 13 07:02:51 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	244431	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	239944	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111652	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82222	44.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.18%
7) Chloroethane-d5	1.58	69	70111	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.90%
11) 1,1-Dichloroethene-d2	2.12	63	136889	38.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.74%
21) 2-Butanone-d5	3.91	46	122960	100.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.66%
24) Chloroform-d	4.38	84	152071	44.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.58%
26) 1,2-Dichloroethane-d4	5.06	65	108335	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.26%
32) Benzene-d6	5.08	84	313697	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
36) 1,2-Dichloropropane-d6	6.09	67	104393	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.58%
41) Toluene-d8	7.34	98	275680	46.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.72%
43) trans-1,3-Dichloropropene-	7.64	79	43365	44.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.46%
47) 2-Hexanone-d5	8.11	63	65937	95.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.04%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	129990	46.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.34%
64) 1,2-Dichlorobenzene-d4	11.65	152	113079	51.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.92%

Target Compounds

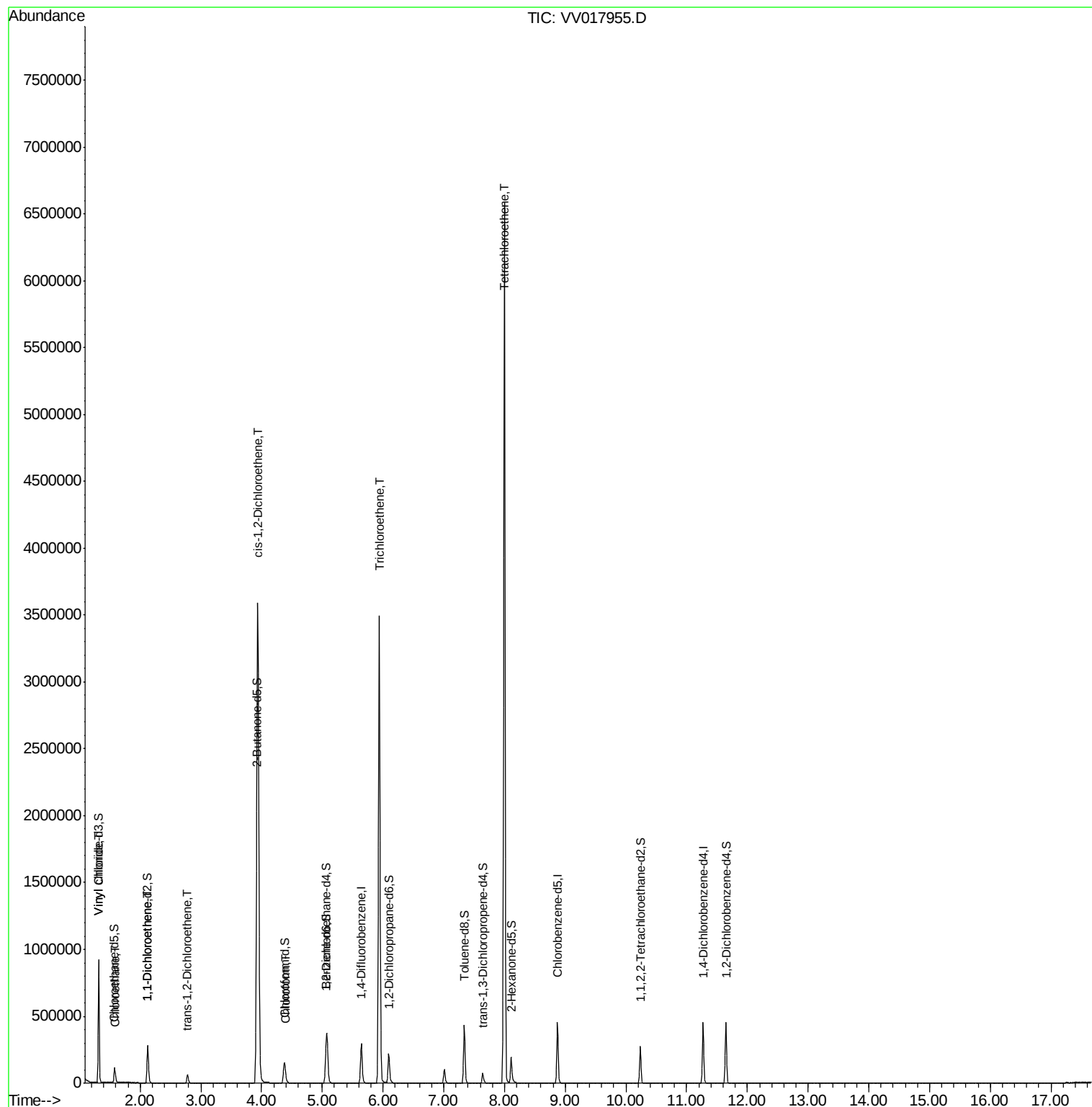
					Ovalue
5) Vinyl chloride	1.32	62	492079	226.564	ug/L 100
8) Chloroethane	1.60	64	27674	19.963	ug/L 100
12) 1,1-Dichloroethene	2.13	96	29785	18.166	ug/L # 41
17) trans-1,2-Dichloroethene	2.78	96	22788	13.521	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	1957867	1057.077	ug/L 99
25) Chloroform	4.40	83	6926	2.004	ug/L 95
34) Trichloroethene	5.94	95	1211203	617.255	ug/L 99
46) Tetrachloroethene	8.00	164	1437847	999.134	ug/L 98

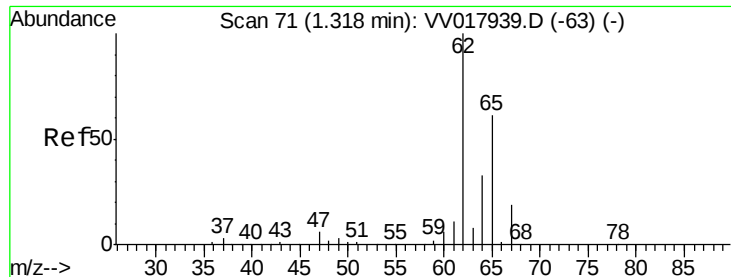
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 226.564 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

Instrument :

MSVOA_V

ClientSampled :

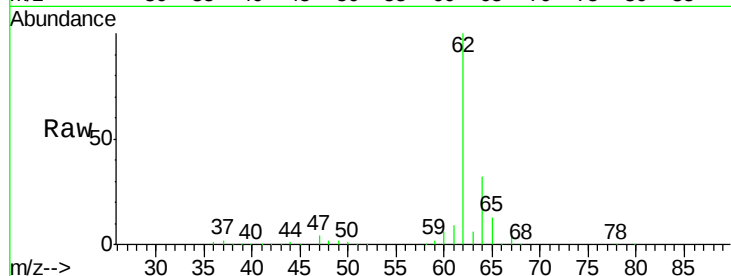
F2L76

Tot Ion: 62 Resp: 492079

Ion Ratio Lower Upper

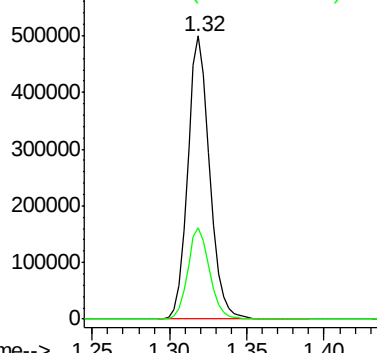
62 100

64 32.2 22.4 41.6

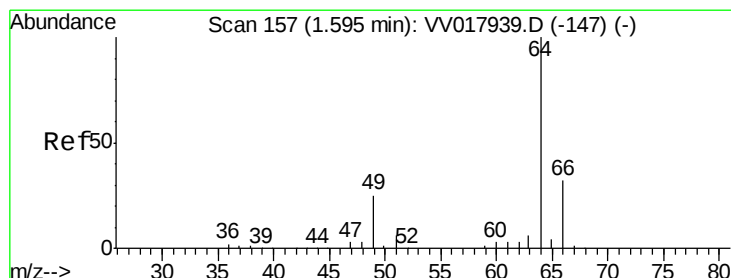
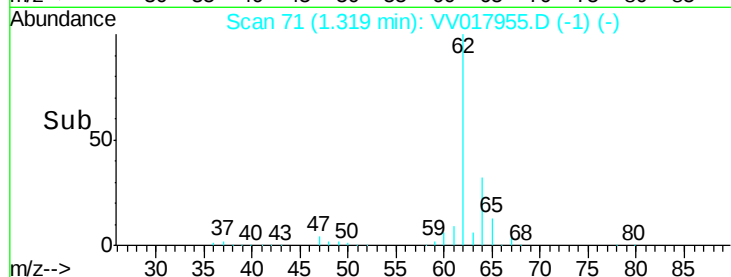


Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



Time-->



#8

Chloroethane

Concen: 19.963 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017955.D

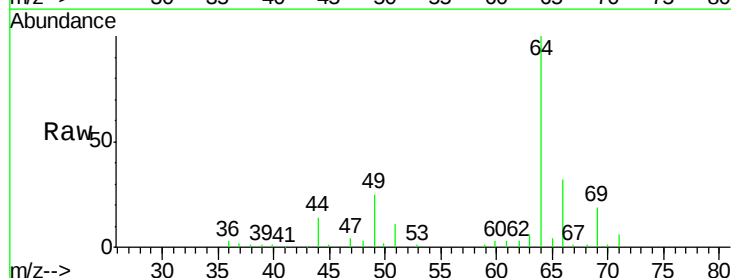
Acq: 13 Aug 2020 03:17

Tgt Ion: 64 Resp: 27674

Ion Ratio Lower Upper

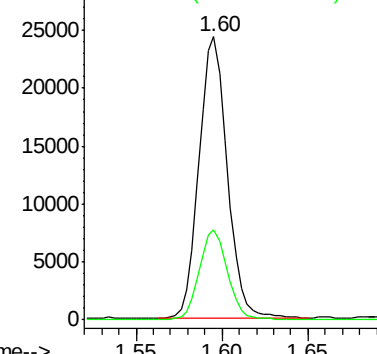
64 100

66 32.1 22.3 41.3

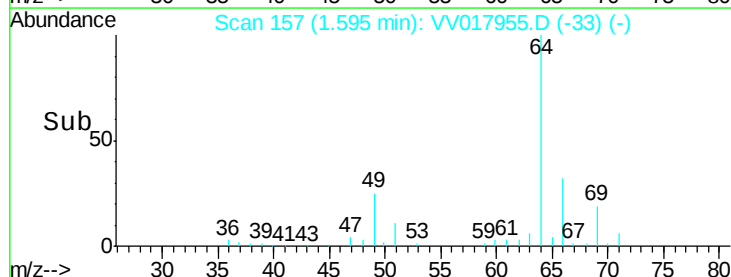


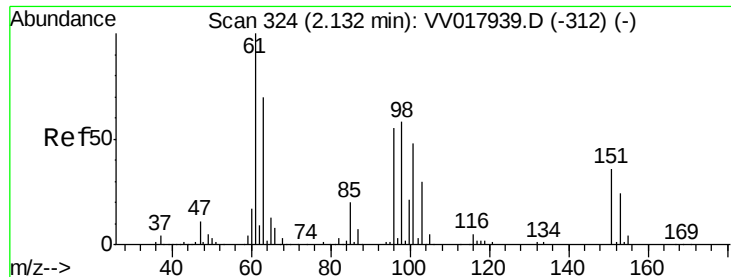
Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



Time-->





#12

1,1-Dichloroethene

Concen: 18.166 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

Instrument :

MSVOA_V

ClientSampled :

F2L76

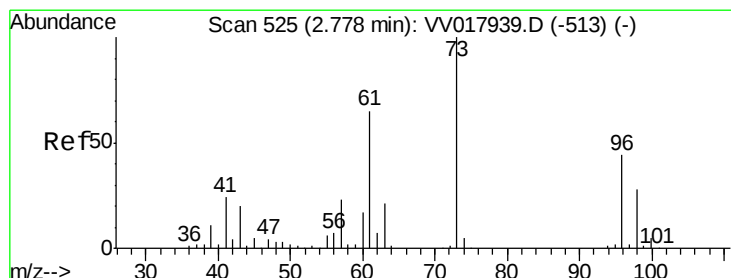
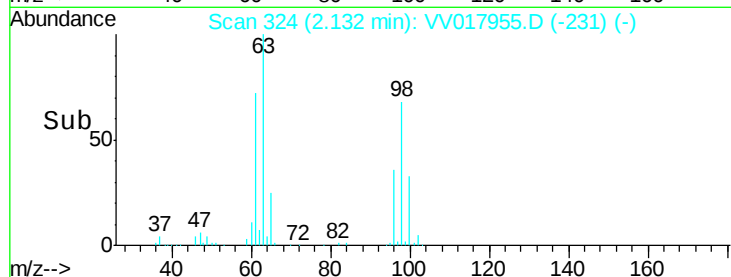
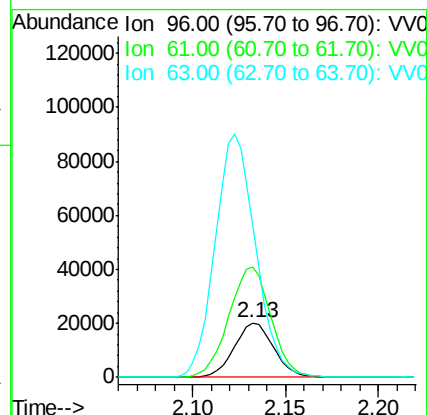
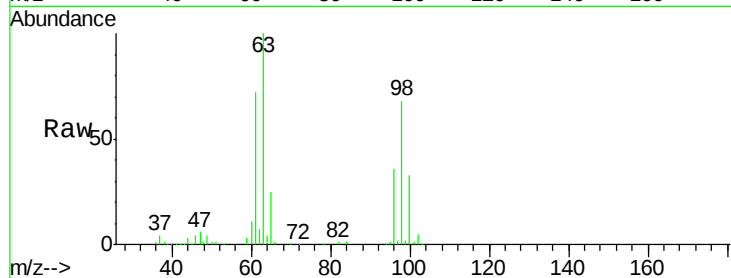
Tot Ion: 96 Resp: 29785

Ion Ratio Lower Upper

96 100

61 201.9 127.1 236.0

63 278.5 95.2 176.8#



#17

trans-1,2-Dichloroethene

Concen: 13.521 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017955.D

Acq: 13 Aug 2020 03:17

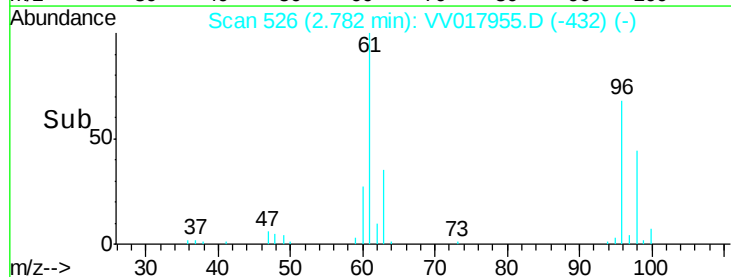
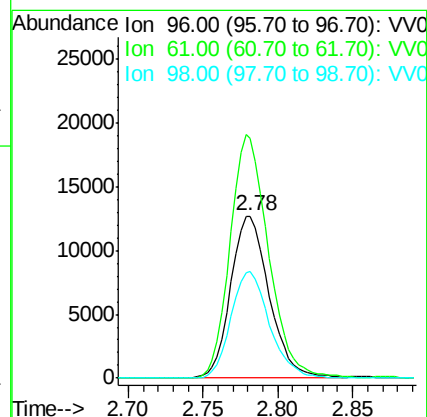
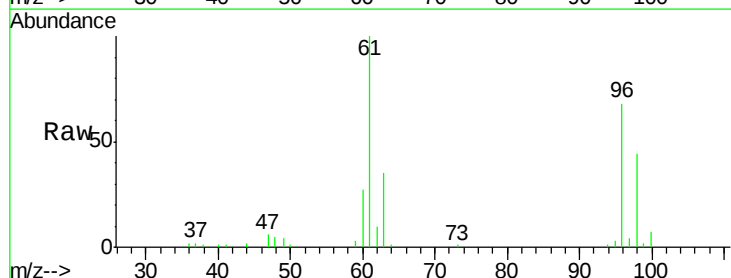
Tgt Ion: 96 Resp: 22788

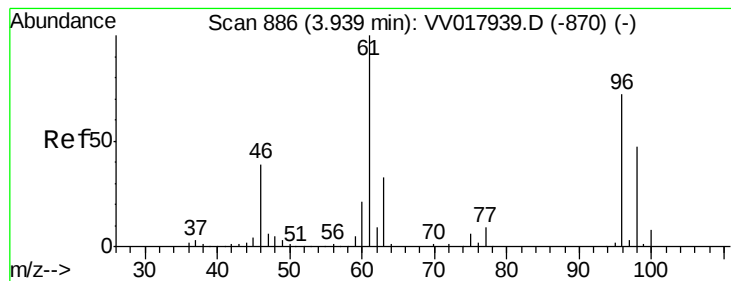
Ion Ratio Lower Upper

96 100

61 148.0 102.4 190.2

98 65.7 44.4 82.5



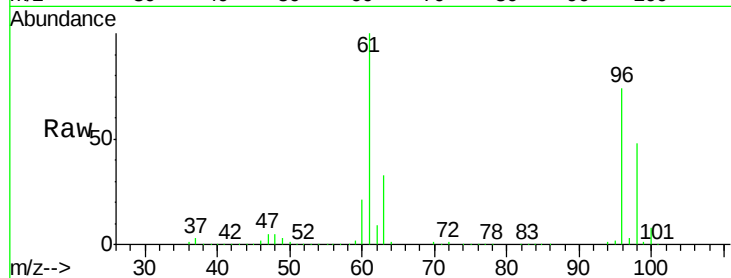


#20

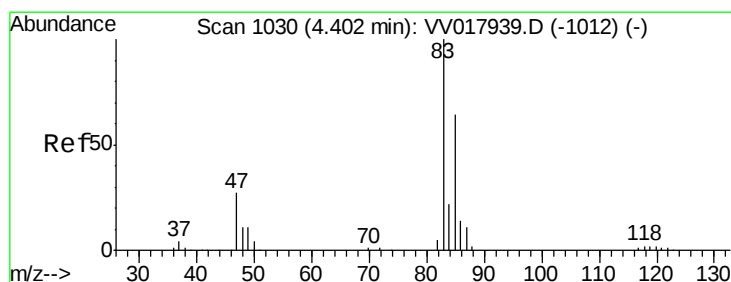
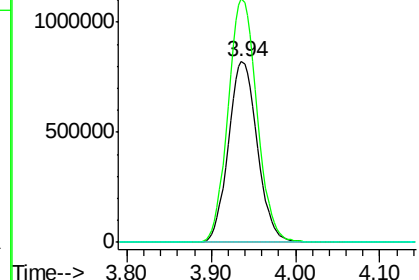
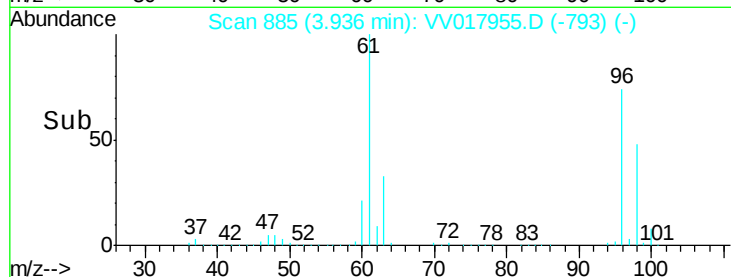
cis-1,2-Dichloroethene
Concen: 1057.077 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV017955.D
Acq: 13 Aug 2020 03:17

Instrument :
MSVOA_V
ClientSampled :
F2L76

Tot Ion: 96 Resp: 1957867
Ion Ratio Lower Upper
96 100
61 134.9 95.0 176.4
68 0.0 0.0 0.0



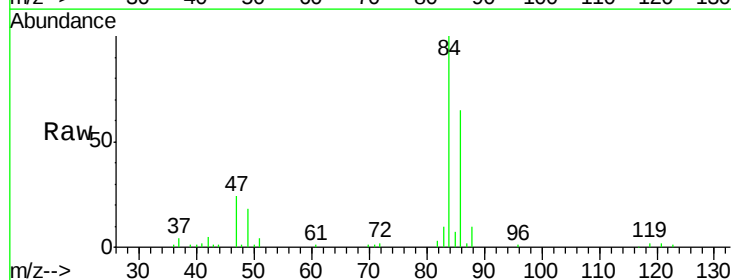
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0



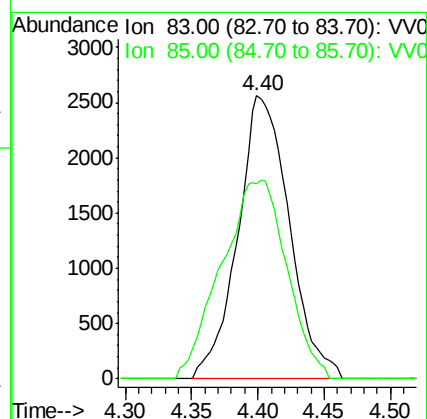
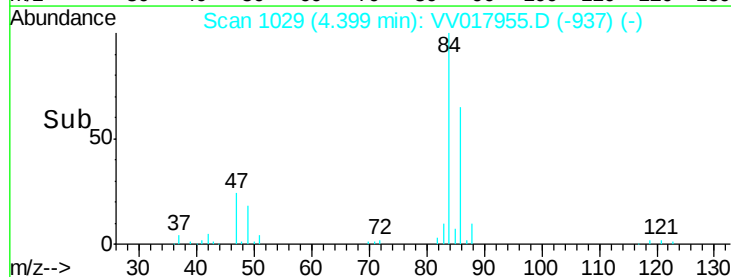
#25

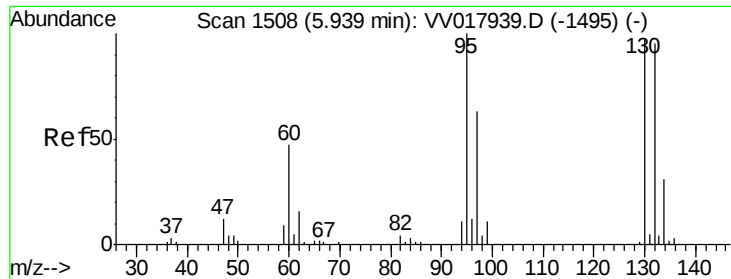
Chloroform
Concen: 2.004 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017955.D
Acq: 13 Aug 2020 03:17

Tgt Ion: 83 Resp: 6926
Ion Ratio Lower Upper
83 100
85 69.0 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

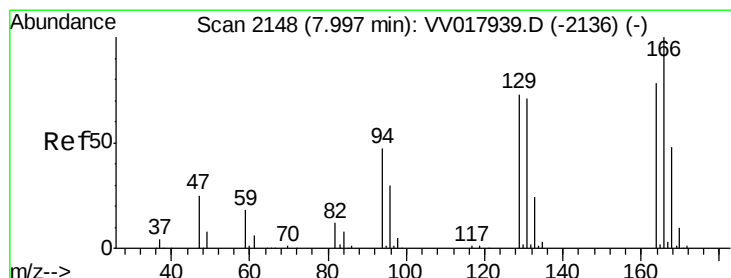
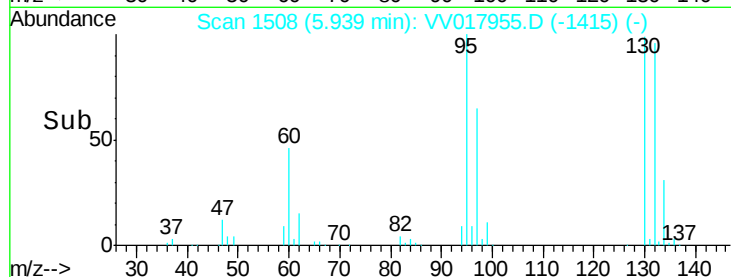
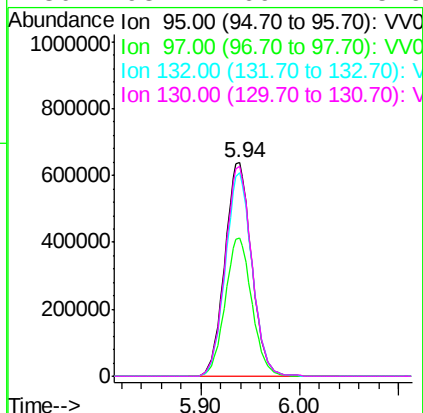
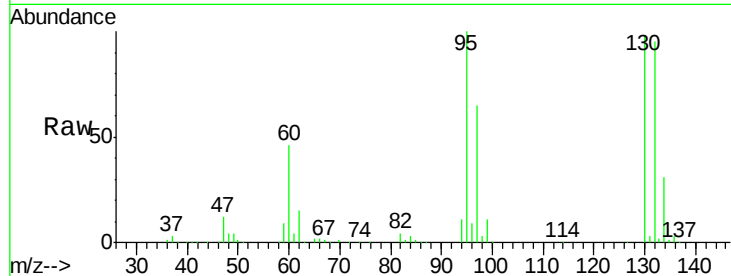




#34
 Trichloroethene
 Concen: 617.255 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017955.D
 Acq: 13 Aug 2020 03:17

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L76

Tot Ion: 95 Resp: 1211203
 Ion Ratio Lower Upper
 95 100
 97 64.9 46.0 85.4
 132 95.1 65.8 122.2
 130 98.2 69.2 128.6



#46
 Tetrachloroethene
 Concen: 999.134 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV017955.D
 Acq: 13 Aug 2020 03:17

Tgt Ion: 164 Resp: 1437847
 Ion Ratio Lower Upper
 164 100
 129 94.2 64.8 120.3
 131 90.6 64.5 119.9
 166 128.9 88.9 165.1

