

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011620\
 Data File : VV014320.D
 Acq On : 16 Jan 2020 14:32
 Operator : SY/MD
 Sample : L1156-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA6

Quant Time: Jan 17 06:15:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 17 05:31:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	812138	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	753575	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	343797	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	208232	3.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.40%
7) Chloroethane-d5	1.58	69	177299	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.13	63	261948	3.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.60%
20) 2-Butanone-d5	3.95	46	594858	43.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.16%
24) Chloroform-d	4.40	84	460085	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
26) 1,2-Dichloroethane-d4	5.08	65	237911	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
32) Benzene-d6	5.10	84	987873	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.11	67	306412	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	7.36	98	875714	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
43) trans-1,3-Dichloropropene-	7.66	79	122170	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.13	63	548410	42.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.00%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	216487	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	276028	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

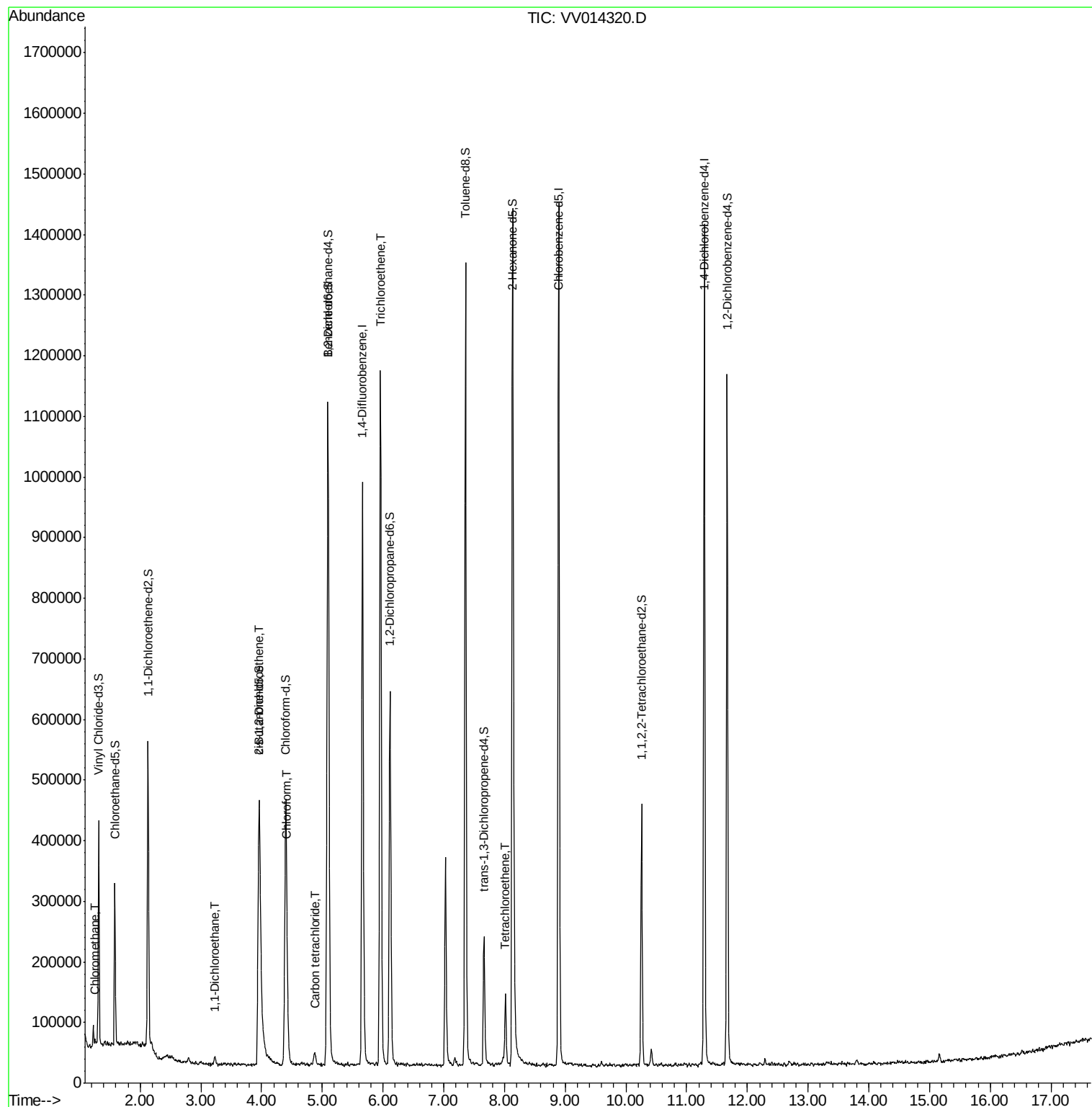
					Ovalue
3) Chloromethane	1.25	50	4467	0.073 ug/L	87
19) 1,1-Dichloroethane	3.23	63	11087	0.104 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	115002	1.924 ug/L #	94
25) Chloroform	4.42	83	40648	0.397 ug/L	98
31) Carbon tetrachloride	4.88	117	17187	0.224 ug/L	97
34) Trichloroethene	5.96	95	418279	7.013 ug/L	99
47) Tetrachloroethene	8.02	164	26819	0.658 ug/L	95

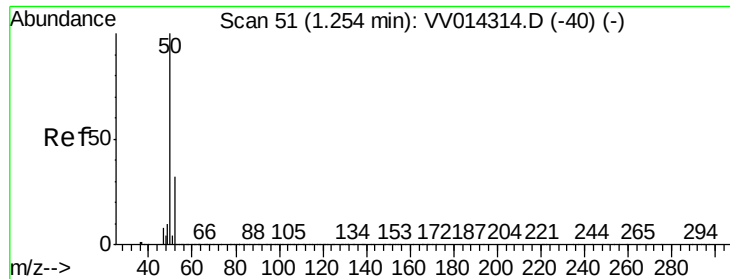
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.073 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014320.D

Acq: 16 Jan 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

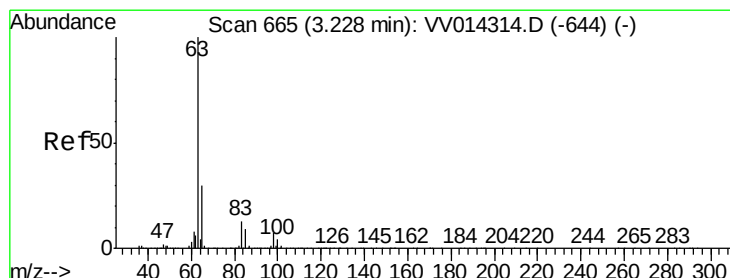
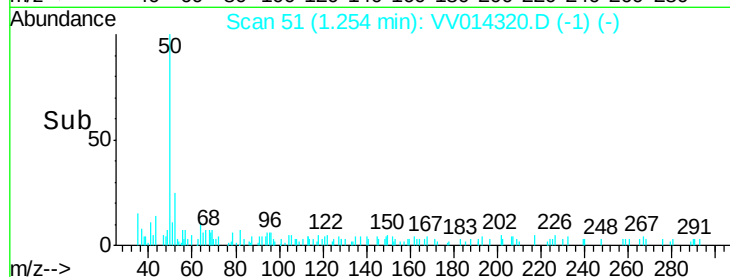
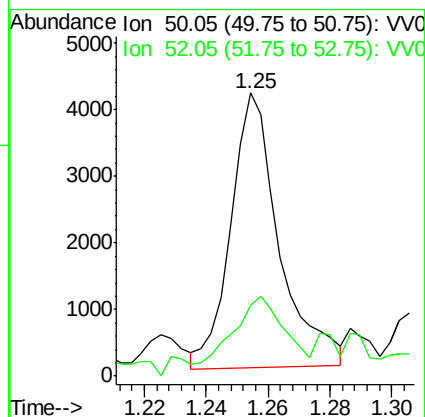
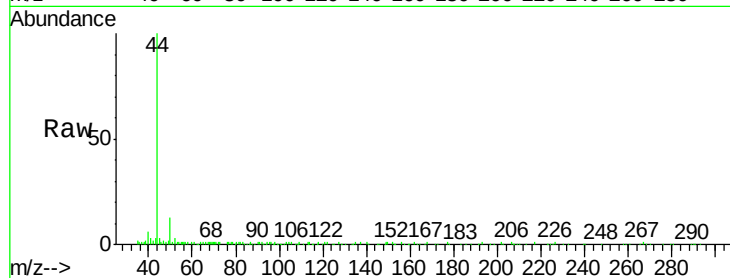
C0AA6

Tot Ion: 50 Resp: 4467

Ion Ratio Lower Upper

50 100

52 24.8 22.3 41.3



#19

1,1-Dichloroethane

Concen: 0.104 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014320.D

Acq: 16 Jan 2020 14:32

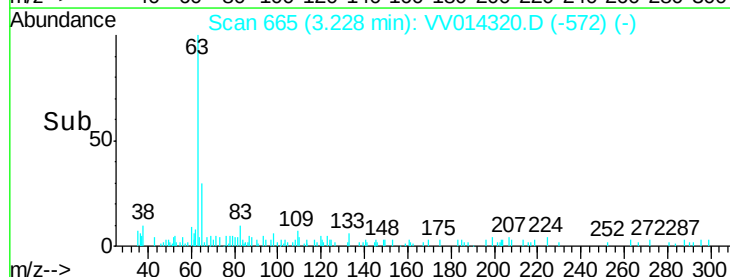
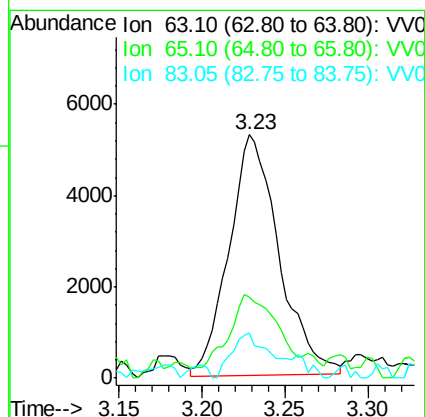
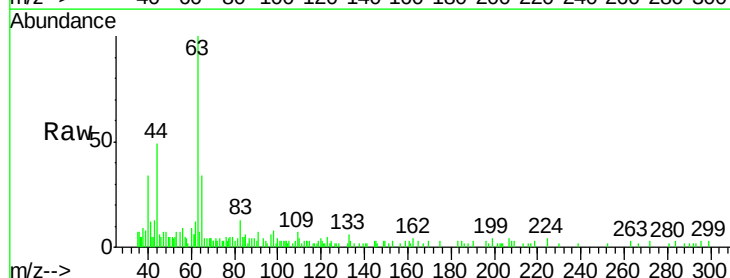
Tgt Ion: 63 Resp: 11087

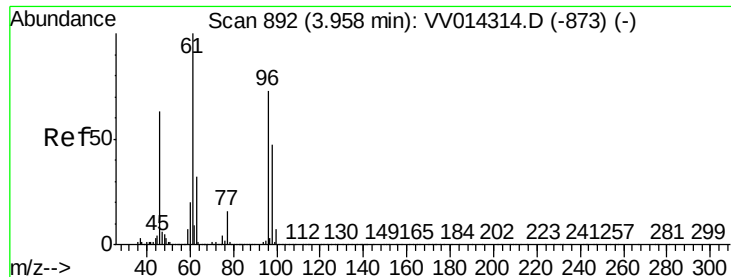
Ion Ratio Lower Upper

63 100

65 31.3 22.7 42.3

83 17.4 10.0 18.6





#22

cis-1,2-Dichloroethene

Concen: 1.924 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014320.D

Acq: 16 Jan 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

C0AA6

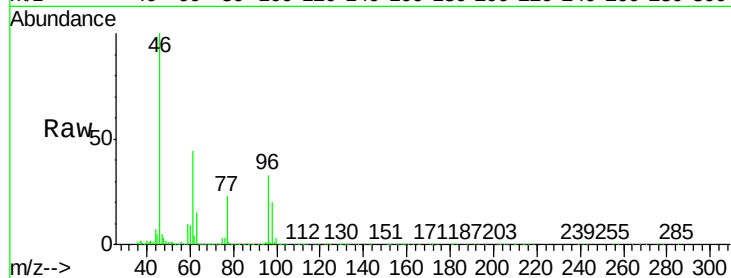
Tot Ion: 96 Resp: 115002

Ion Ratio Lower Upper

96 100

61 136.0 90.6 168.3

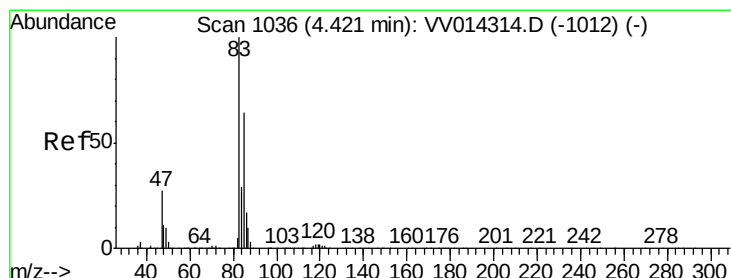
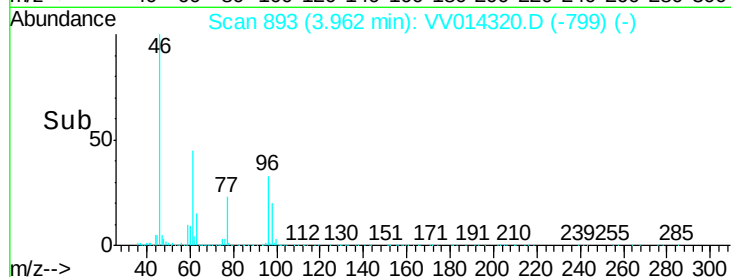
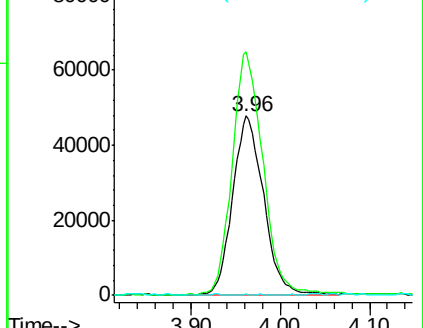
68 0.9 0.3 0.7#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#25

Chloroform

Concen: 0.397 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014320.D

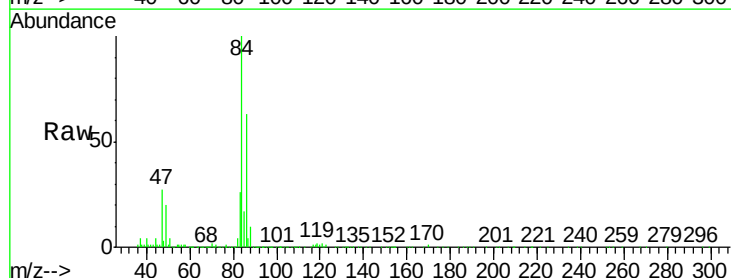
Acq: 16 Jan 2020 14:32

Tgt Ion: 83 Resp: 40648

Ion Ratio Lower Upper

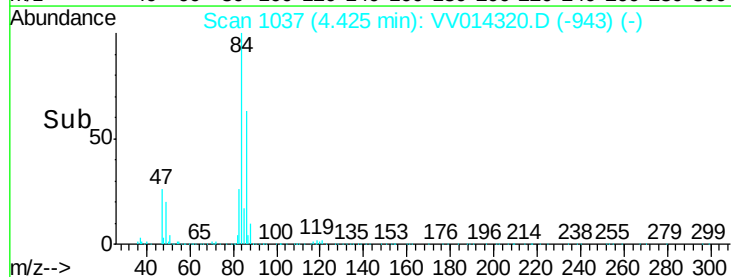
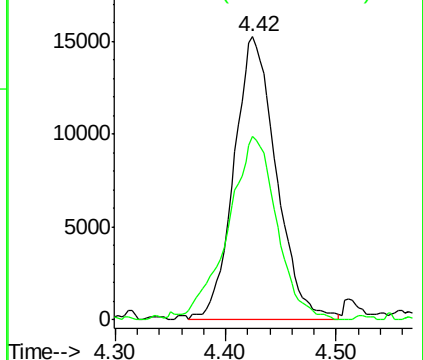
83 100

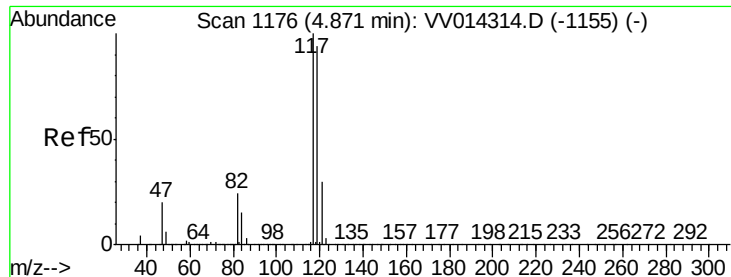
85 64.8 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#31

Carbon tetrachloride

Concen: 0.224 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV014320.D

Acq: 16 Jan 2020 14:32

Instrument :

MSVOA_V

ClientSampleId :

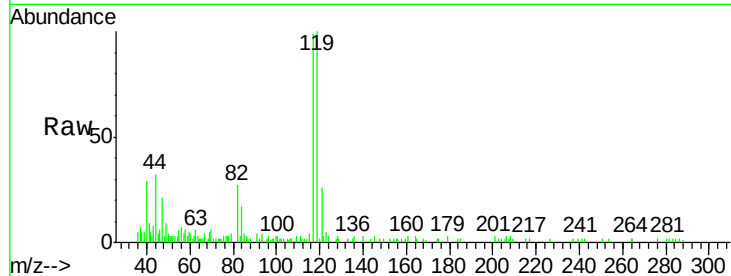
C0AA6

Tot Ion:117 Resp: 17187

Ion Ratio Lower Upper

117 100

119 93.3 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

8000

6000

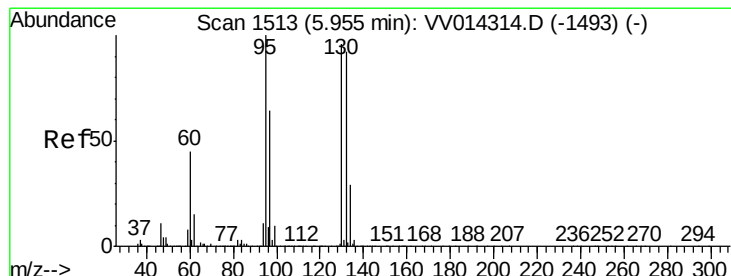
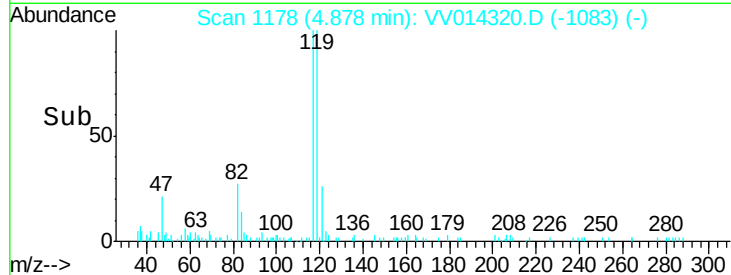
4000

2000

0

4.80 4.85 4.90 4.95

Time-->



#34

Trichloroethene

Concen: 7.013 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014320.D

Acq: 16 Jan 2020 14:32

Tgt Ion: 95 Resp: 418279

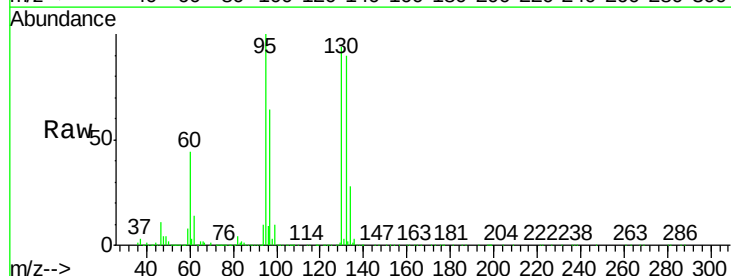
Ion Ratio Lower Upper

95 100

97 64.0 43.8 81.3

132 90.3 63.4 117.8

130 94.1 65.7 122.1



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

300000

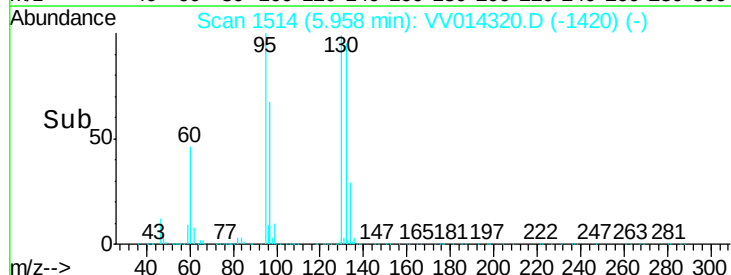
200000

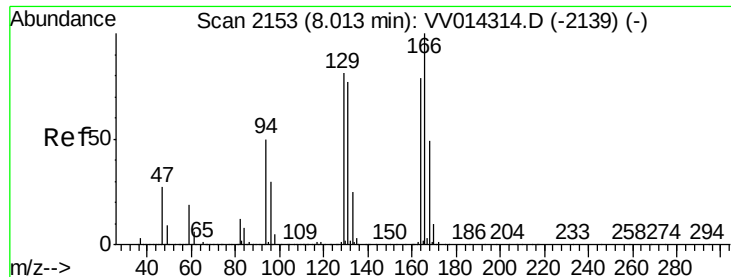
100000

0

5.90 5.96 6.00

Time-->





#47

Tetrachloroethene

Concen: 0.658 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014320.D

Acq: 16 Jan 2020 14:32

Instrument :
MSVOA_V
ClientSampleId :
C0AA6

Tot Ion:164 Resp: 26819

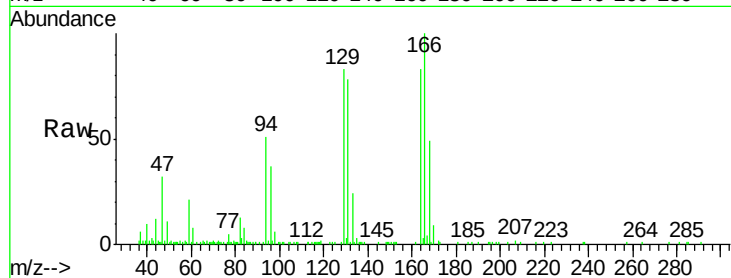
Ion Ratio Lower Upper

164 100

129 100.1 71.7 133.3

131 94.7 70.4 130.8

166 120.9 90.3 167.7



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

