

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091019\
 Data File : VV012666.D
 Acq On : 10 Sep 2019 19:36
 Operator : SY/MD
 Sample : K4809-05
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFDC2

Quant Time: Sep 11 09:13:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 11 05:21:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	360932	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	371585	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	151600	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105564	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.58	69	97742	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.13	63	134667	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	3.93	46	352201	59.78	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.56%
24) Chloroform-d	4.40	84	216922	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.08	65	112071	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.10	84	392058	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.12	67	136378	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.36	98	302203	3.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.00%
43) trans-1,3-Dichloropropene-	7.66	79	41602	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.13	63	207869	56.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	107439	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	135957	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

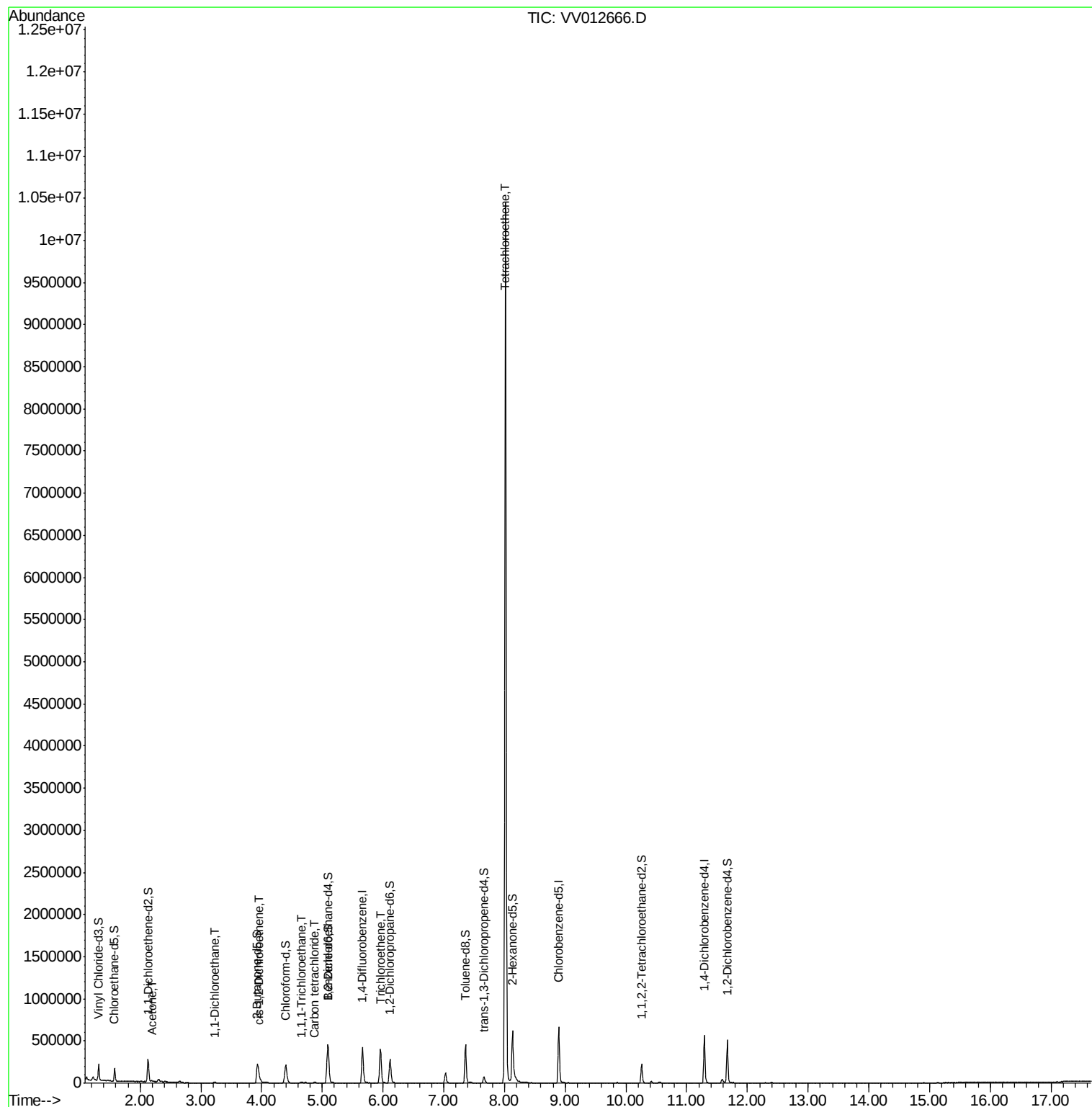
					Ovalue
13) Acetone	2.19	43	18754	5.431 ug/L	95
19) 1,1-Dichloroethane	3.23	63	8071	0.170 ug/L	88
22) cis-1,2-Dichloroethene	3.96	96	11245	0.411 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	7081	0.173 ug/L	97
31) Carbon tetrachloride	4.87	117	5860	0.163 ug/L	97
34) Trichloroethene	5.96	95	139252	4.640 ug/L	98
47) Tetrachloroethene	8.02	164	2376137	100.866 ug/L	98

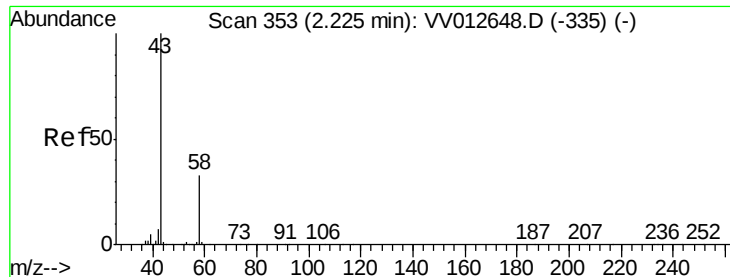
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 11 05:21:41 2019
Response via : Initial Calibration





#13

Acetone

Concen: 5.431 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012666.D

Acq: 10 Sep 2019 19:36

Instrument :

MSVOA_V

ClientSampleId :

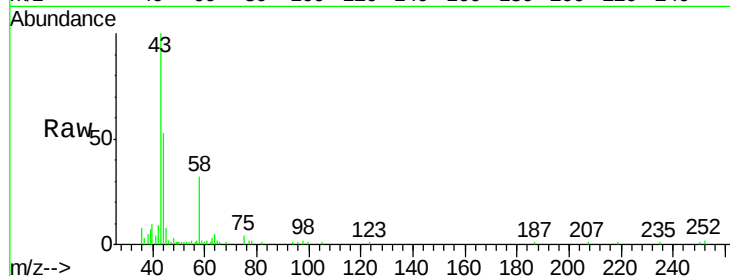
BFDC2

Tot Ion: 43 Resp: 18754

Ion Ratio Lower Upper

43 100

58 36.6 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

15000

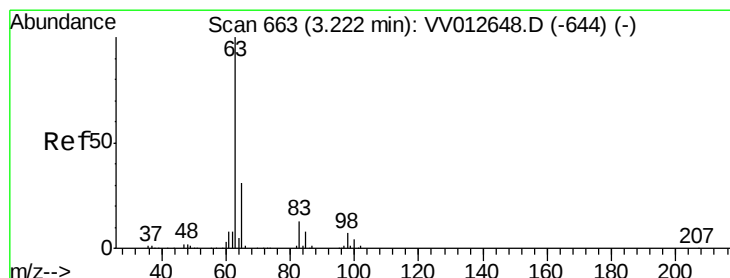
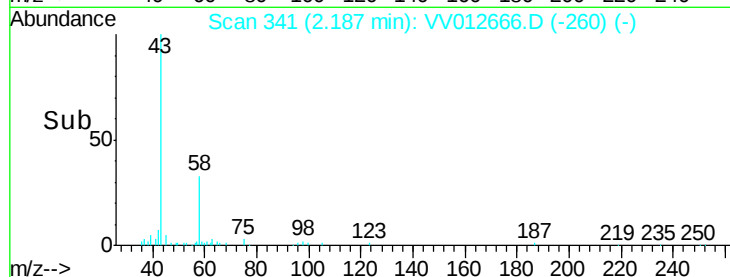
10000

5000

0

Time--> 2.10 2.15 2.20 2.25

2.19



#19

1,1-Dichloroethane

Concen: 0.170 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.01 min

Lab File: VV012666.D

Acq: 10 Sep 2019 19:36

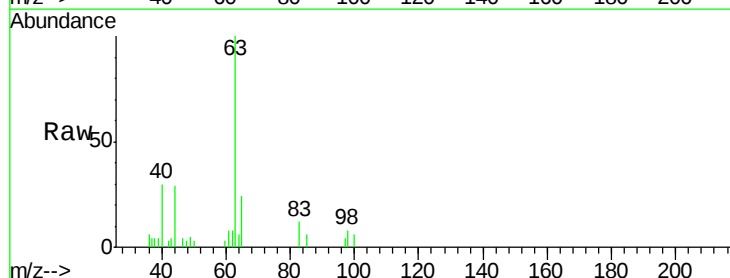
Tgt Ion: 63 Resp: 8071

Ion Ratio Lower Upper

63 100

65 24.0 22.7 42.3

83 11.6 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0

5000

4000

3000

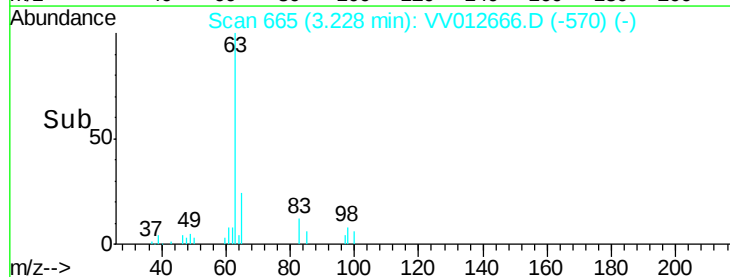
2000

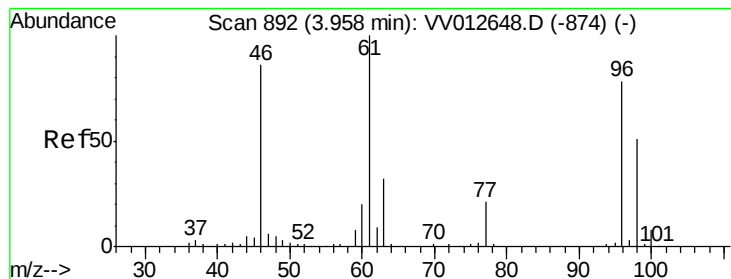
1000

0

Time--> 3.15 3.20 3.25 3.30

3.23



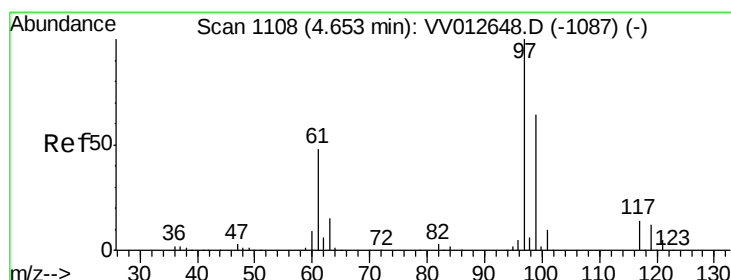
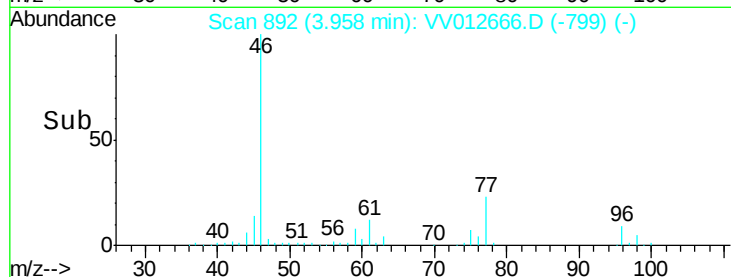
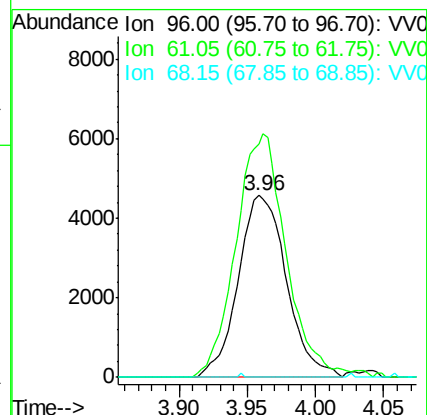
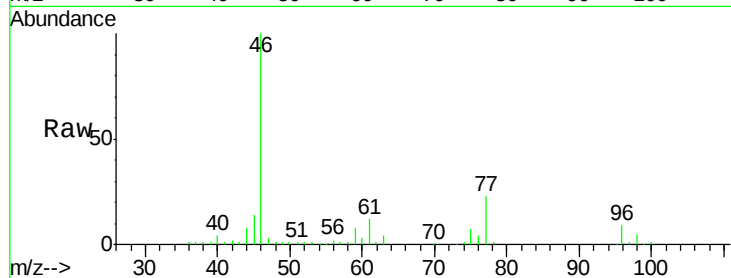


#22

cis-1,2-Dichloroethene
 Concen: 0.411 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012666.D
 Acq: 10 Sep 2019 19:36

Instrument :
 MSVOA_V
 ClientSampled :
 BFDC2

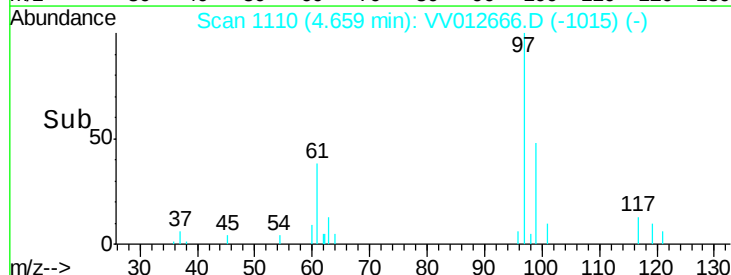
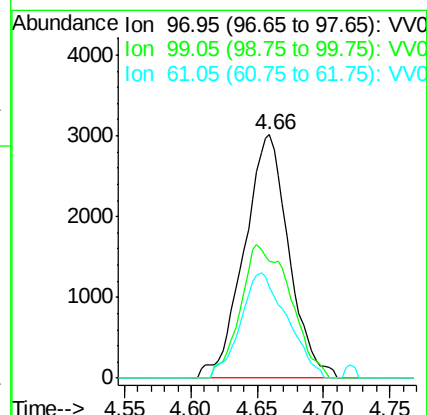
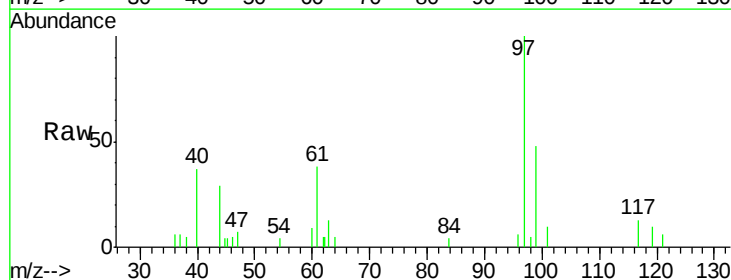
Tot Ion: 96 Resp: 11245
 Ion Ratio Lower Upper
 96 100
 61 128.0 89.7 166.5
 68 0.0 0.0 0.0

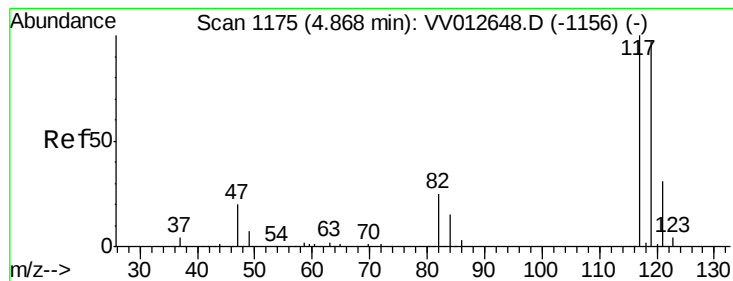


#29

1,1,1-Trichloroethane
 Concen: 0.173 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV012666.D
 Acq: 10 Sep 2019 19:36

Tgt Ion: 97 Resp: 7081
 Ion Ratio Lower Upper
 97 100
 99 61.2 51.6 77.4
 61 45.2 37.5 56.3





#31

Carbon tetrachloride

Concen: 0.163 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.01 min

Lab File: VV012666.D

Acq: 10 Sep 2019 19:36

Instrument :

MSVOA_V

ClientSampleId :

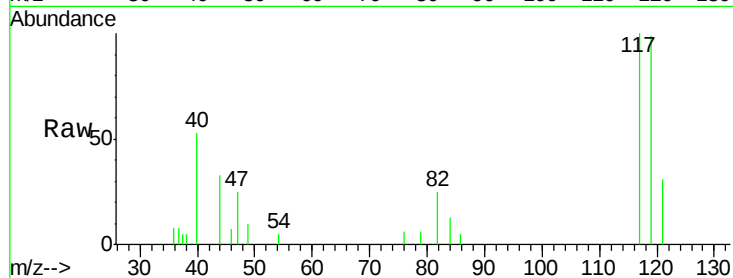
BFDC2

Tot Ion:117 Resp: 5860

Ion Ratio Lower Upper

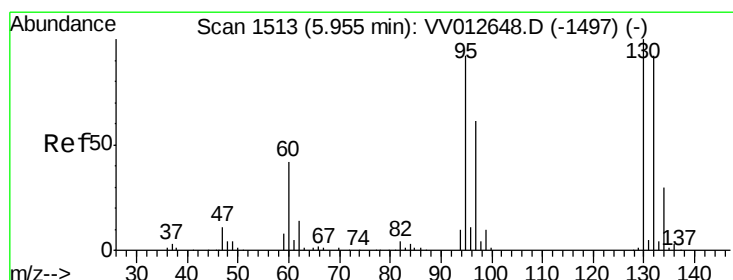
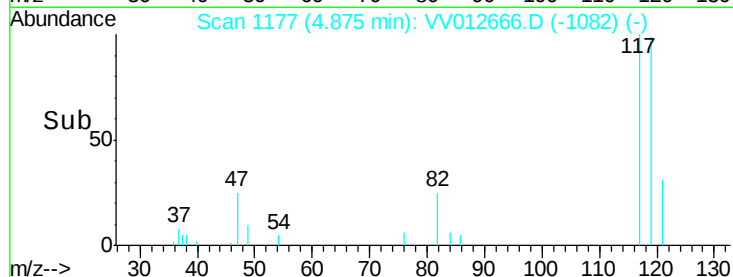
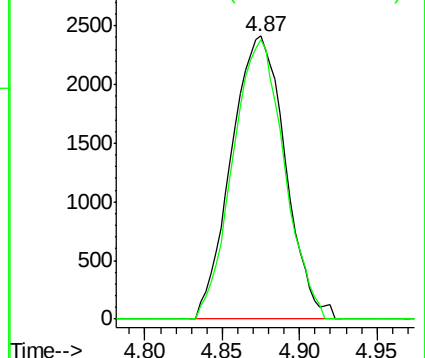
117 100

119 93.9 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 4.640 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012666.D

Acq: 10 Sep 2019 19:36

Tgt Ion: 95 Resp: 139252

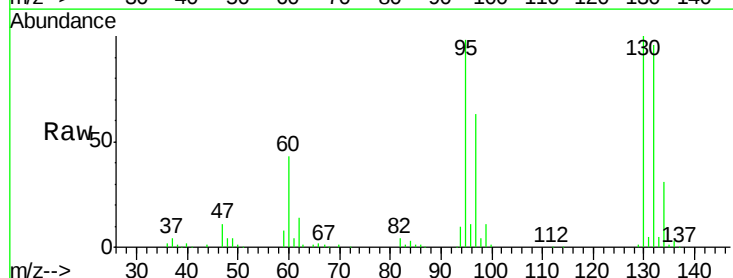
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.2

132 97.7 70.2 130.4

130 102.3 74.2 137.8

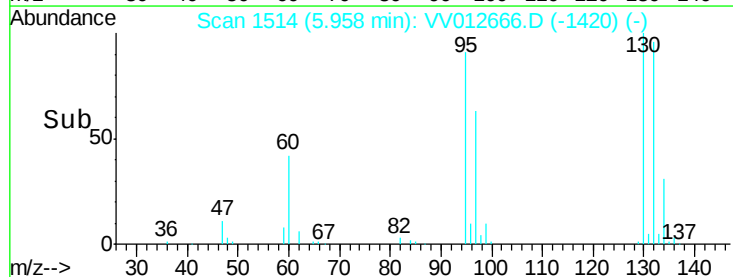
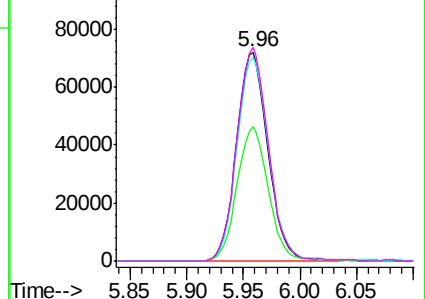


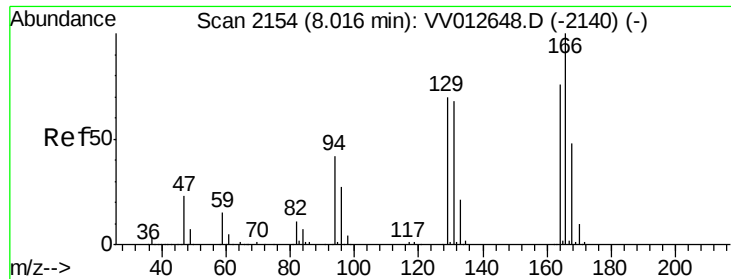
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#47

Tetrachloroethene

Concen: 100.866 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012666.D

Acq: 10 Sep 2019 19:36

Instrument :
MSVOA_V
ClientSampleId :
BFDC2

Tot Ion:164 Resp: 2376137

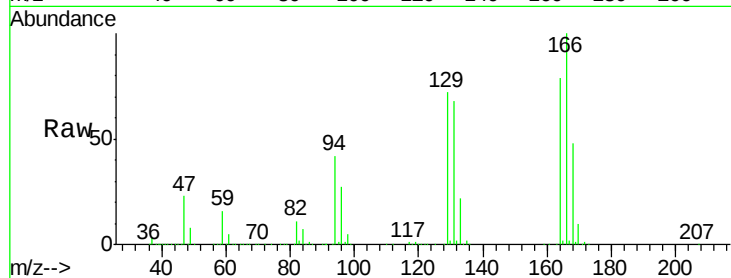
Ion Ratio Lower Upper

164 100

129 91.0 61.9 114.9

131 86.8 59.7 110.9

166 126.8 90.4 167.8



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

