

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062219\
 Data File : VV011678.D
 Acq On : 21 Jun 2019 12:22
 Operator : SY/MD
 Sample : K3381-12 50X
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM6

Quant Time: Jun 24 09:02:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 22 04:10:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	161353	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	148088	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	61161	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48929	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.58	69	34282	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.13	63	142186	6.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	130.60%#
20) 2-Butanone-d5	3.95	46	164018	58.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.28%
24) Chloroform-d	4.40	84	93218	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.08	65	60009	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.09	84	208348	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.12	67	64177	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	177274	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.66	79	20617	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.14	63	118963	57.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46645	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	60133	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

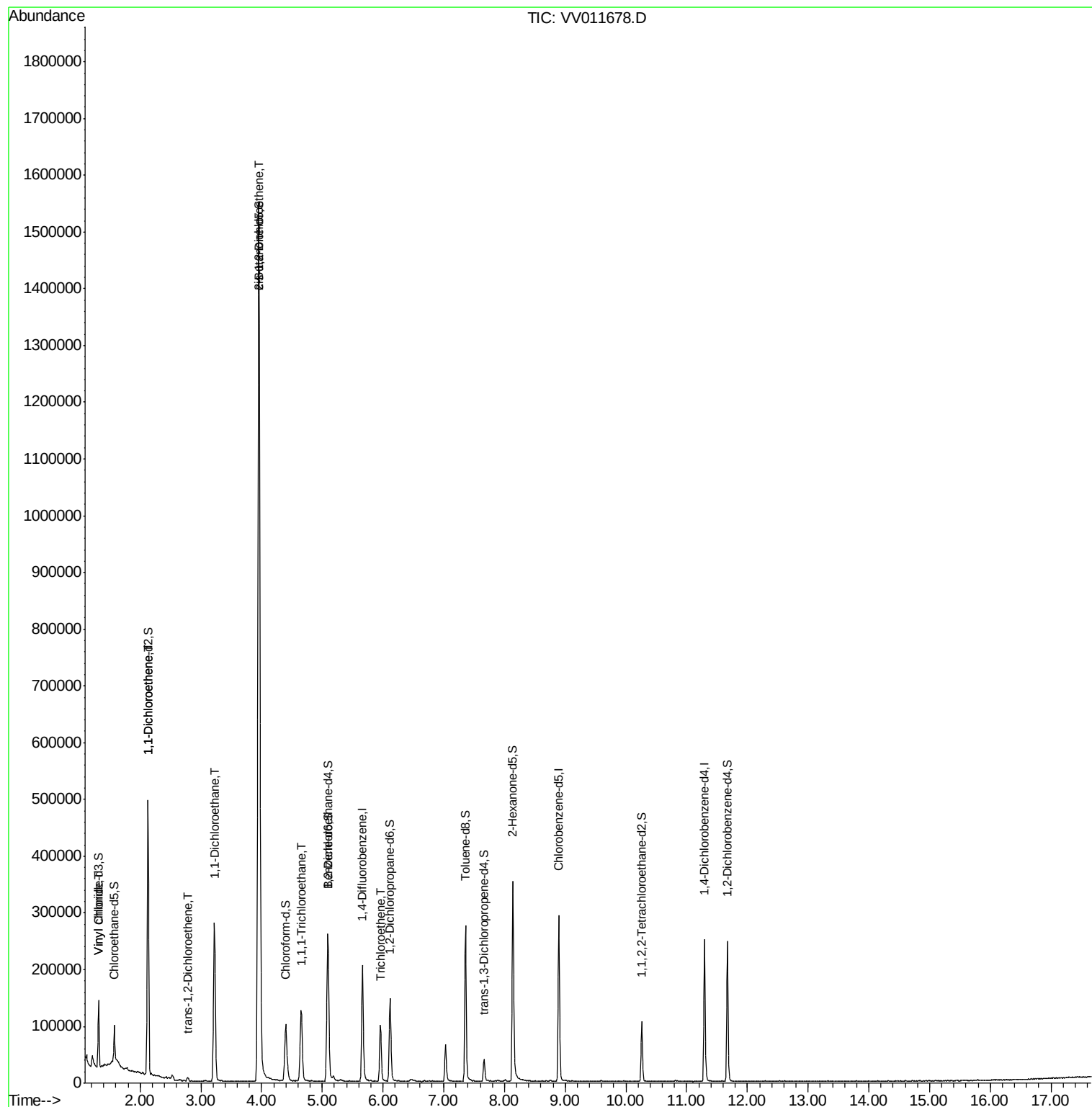
					Ovalue
5) Vinyl chloride	1.32	62	28583	1.916	ug/L 86
12) 1,1-Dichloroethene	2.13	96	110650	11.081	ug/L # 83
18) trans-1,2-Dichloroethene	2.78	96	1834	0.156	ug/L 86
19) 1,1-Dichloroethane	3.22	63	275761	11.817	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	767774	59.511	ug/L 98
29) 1,1,1-Trichloroethane	4.65	97	93961	4.928	ug/L 99
34) Trichloroethene	5.96	95	34285	2.633	ug/L 97

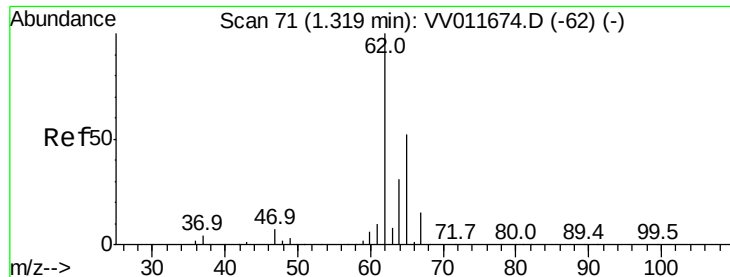
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV062219\
Data File : VV011678.D
Acq On : 21 Jun 2019 12:22
Operator : SY/MD
Sample : K3381-12 50X
Misc : 25ML/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCM6

Quant Time: Jun 24 09:02:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.916 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

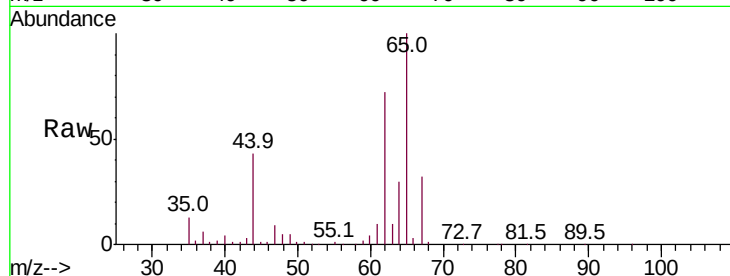
BFCM6

Tot Ion: 62 Resp: 28583

Ion Ratio Lower Upper

62 100

64 42.2 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

30000

25000

20000

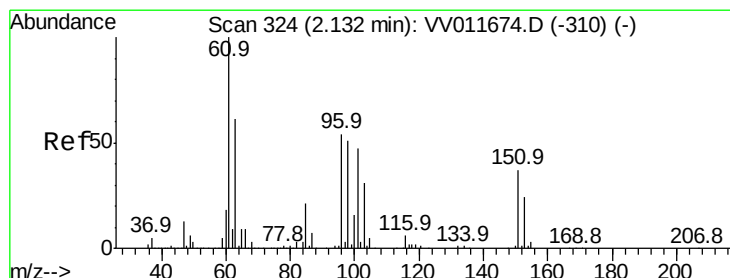
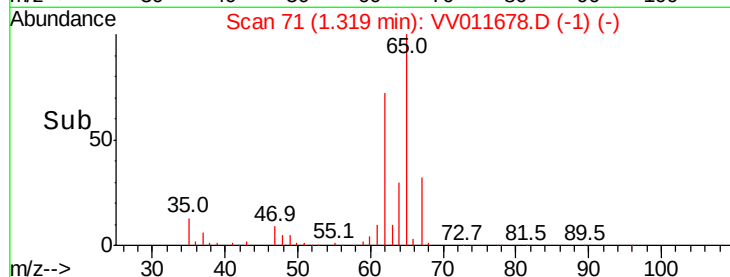
15000

10000

5000

0

Time--> 1.25 1.30 1.35



#12

1,1-Dichloroethene

Concen: 11.081 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

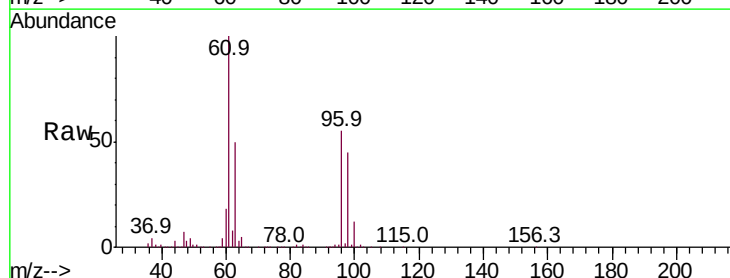
Tgt Ion: 96 Resp: 110650

Ion Ratio Lower Upper

96 100

61 182.1 131.5 244.1

63 90.4 91.8 170.4#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

200000

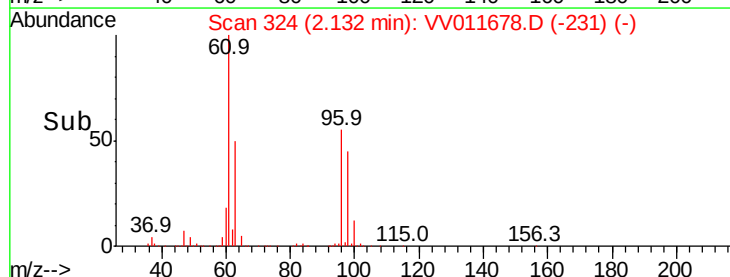
150000

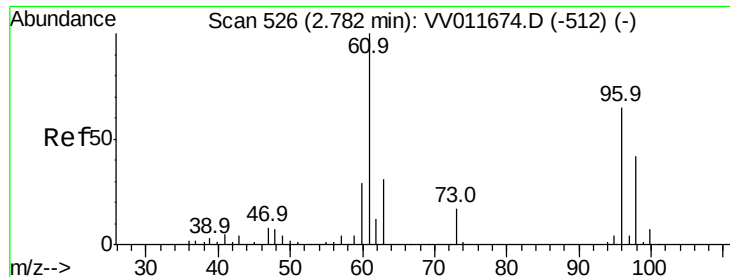
100000

50000

0

Time--> 2.05 2.10 2.15 2.20

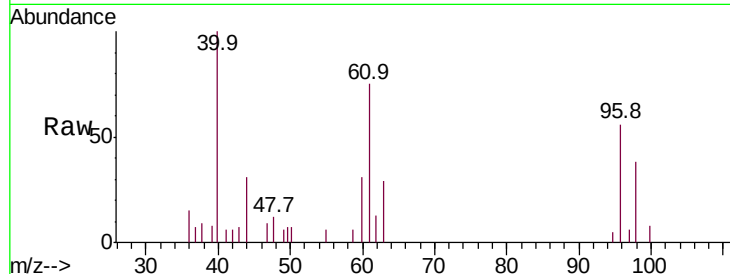




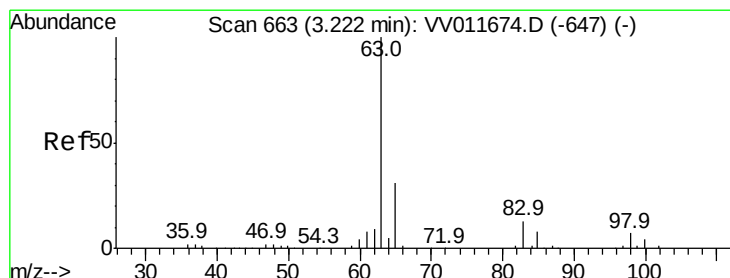
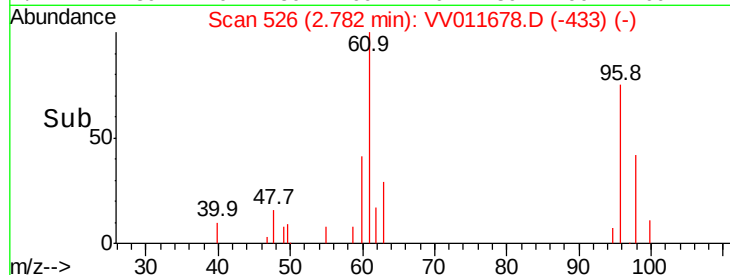
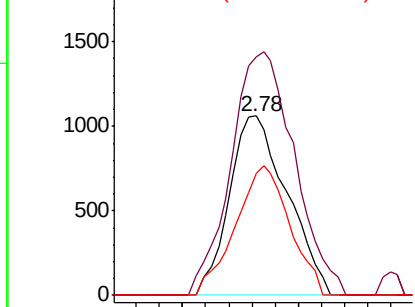
#18
trans-1,2-Dichloroethene
Concen: 0.156 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV011678.D
Acq: 21 Jun 2019 12:22

Instrument :
MSVOA_V
ClientSampleId :
BFCM6

Tot Ion: 96 Resp: 1834
Ion Ratio Lower Upper
96 100
61 133.0 109.3 203.1
98 67.8 44.6 82.8

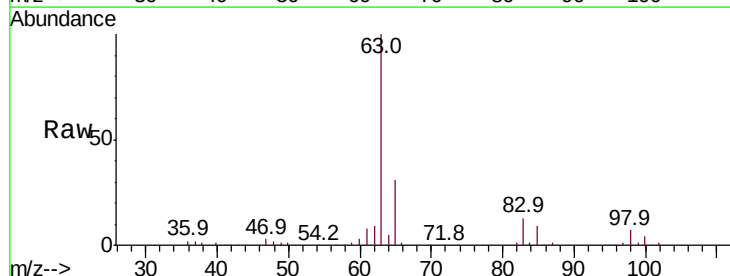


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

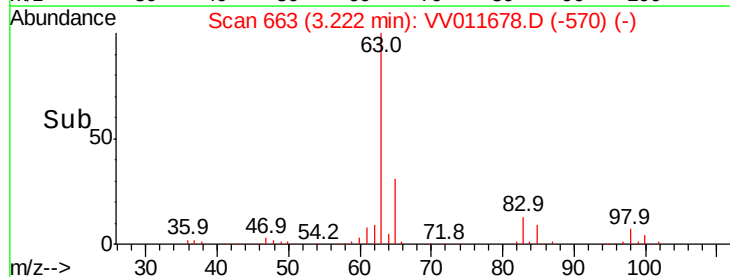
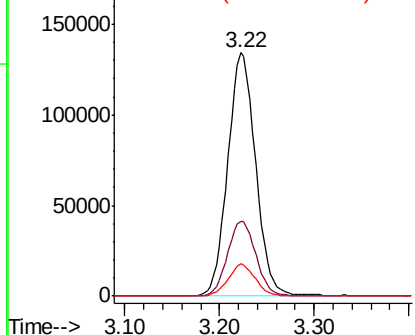


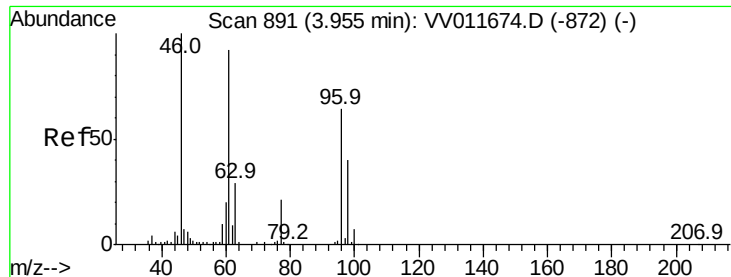
#19
1,1-Dichloroethane
Concen: 11.817 ug/L
RT: 3.22 min Scan# 663
Delta R.T. -0.00 min
Lab File: VV011678.D
Acq: 21 Jun 2019 12:22

Tgt Ion: 63 Resp: 275761
Ion Ratio Lower Upper
63 100
65 30.8 23.0 42.8
83 13.1 9.5 17.7



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





#22

cis-1,2-Dichloroethene

Concen: 59.511 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Instrument :
MSVOA_V
ClientSampleId :
BFCM6

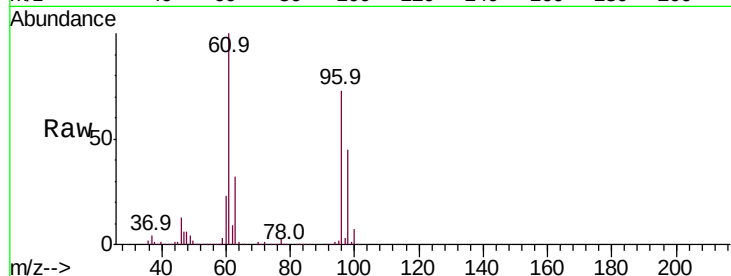
Tot Ion: 96 Resp: 767774

Ion Ratio Lower Upper

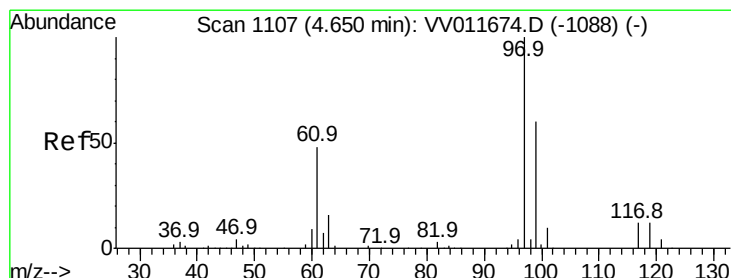
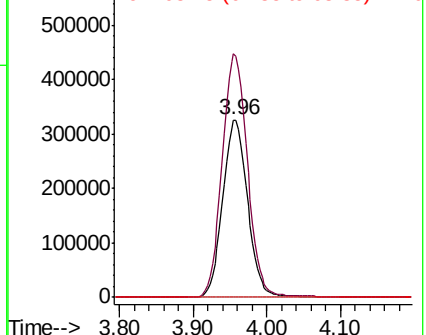
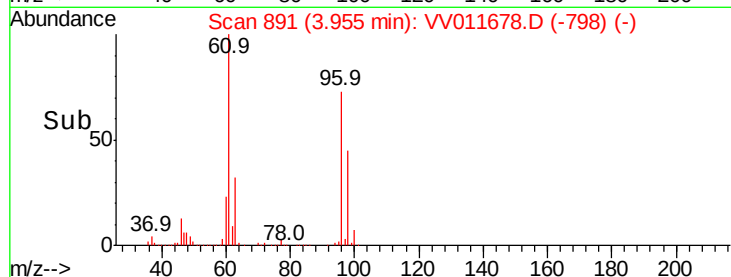
96 100

61 137.5 97.9 181.7

68 0.0 0.0 0.0



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



#29

1,1,1-Trichloroethane

Concen: 4.928 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

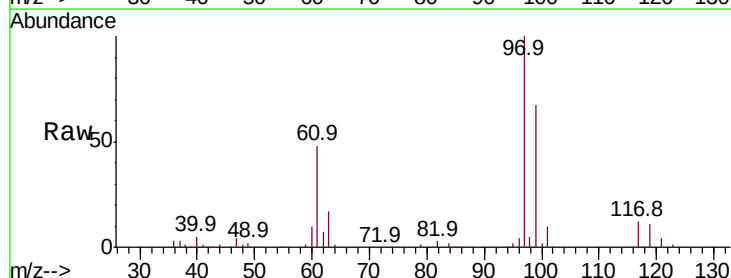
Tgt Ion: 97 Resp: 93961

Ion Ratio Lower Upper

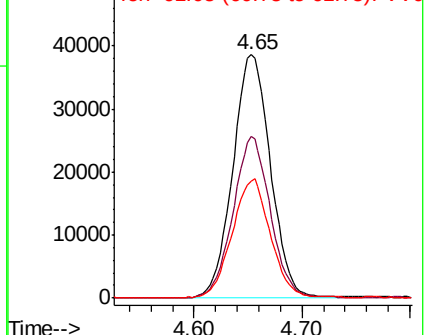
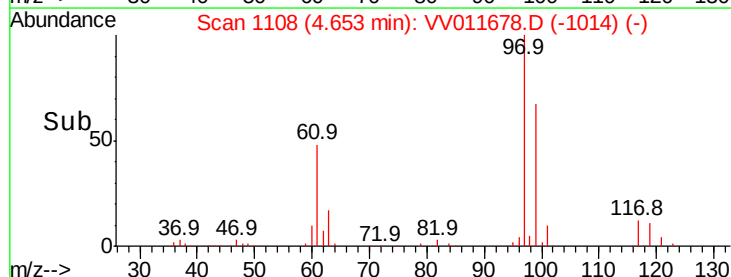
97 100

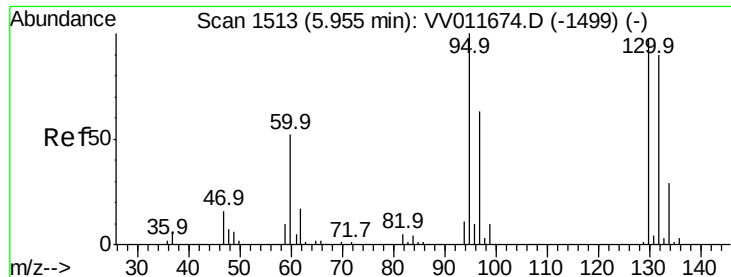
99 65.8 51.6 77.4

61 49.9 39.8 59.6



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0





#34

Trichloroethene

Concen: 2.633 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

BFCM6

Tot Ion: 95 Resp: 34285

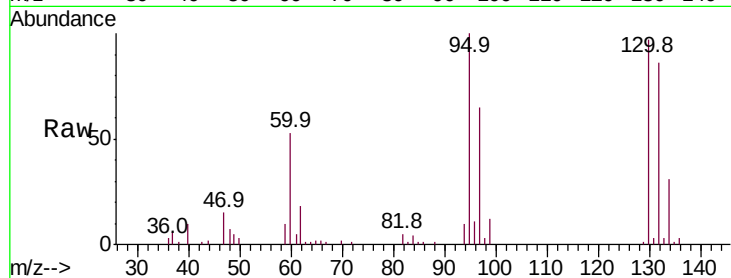
Ion Ratio Lower Upper

95 100

97 64.5 44.4 82.5

132 86.3 65.0 120.6

130 96.8 67.1 124.7



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): V

Ion 129.95 (129.65 to 130.65): V

