

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061919\
 Data File : VV011608.D
 Acq On : 19 Jun 2019 06:47
 Operator : SY/MD
 Sample : K3381-02
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM3

Quant Time: Jun 19 09:18:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 19 07:50:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	169415	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	153719	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	58669	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48387	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.57	69	32892	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.12	63	81512	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	3.95	46	186915	51.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.86%
24) Chloroform-d	4.40	84	106538	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.08	65	65854	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.09	84	205458	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.12	67	67293	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.36	98	167048	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	7.66	79	16119	3.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.60%
46) 2-Hexanone-d5	8.14	63	125977	45.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47788	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	54089	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

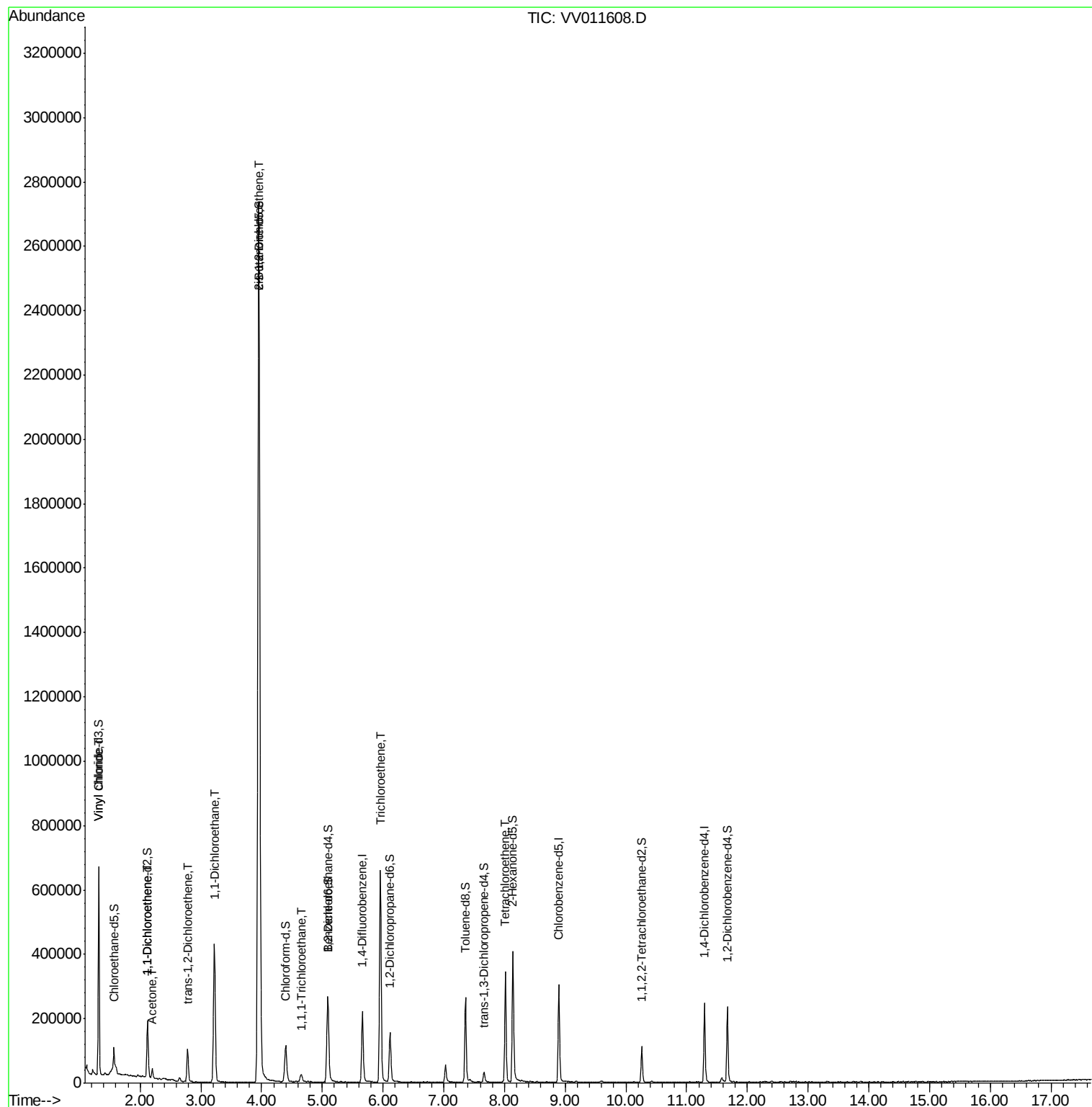
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	364089	22.519	ug/L	99
12) 1,1-Dichloroethene	2.13	96	16234	1.541	ug/L #	55
13) Acetone	2.21	43	5256	2.167	ug/L	91
18) trans-1,2-Dichloroethene	2.78	96	34643	2.908	ug/L	99
19) 1,1-Dichloroethane	3.22	63	421321	17.095	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	1353969	100.316	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	16730	0.875	ug/L	97
34) Trichloroethene	5.96	95	220750	17.241	ug/L	98
47) Tetrachloroethene	8.02	164	68615	7.515	ug/L	97

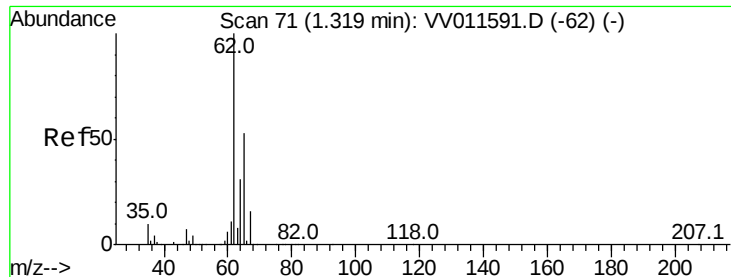
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 19 07:50:26 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 22.519 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

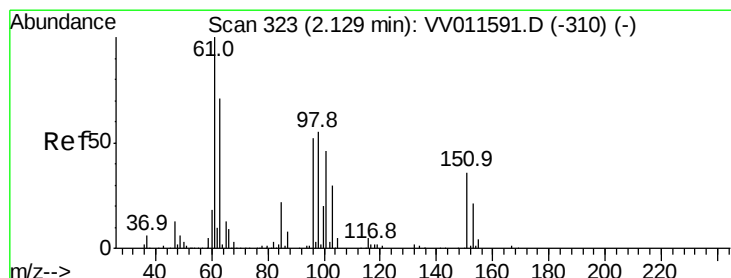
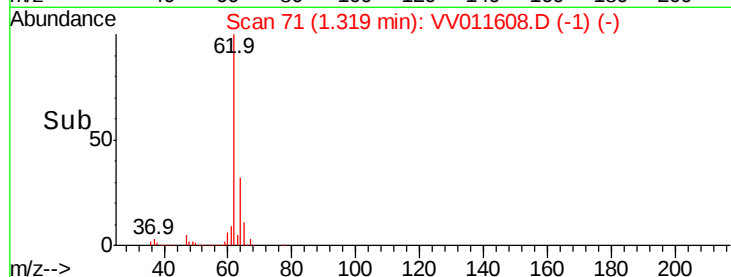
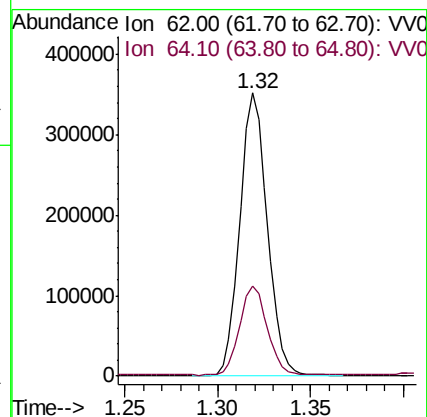
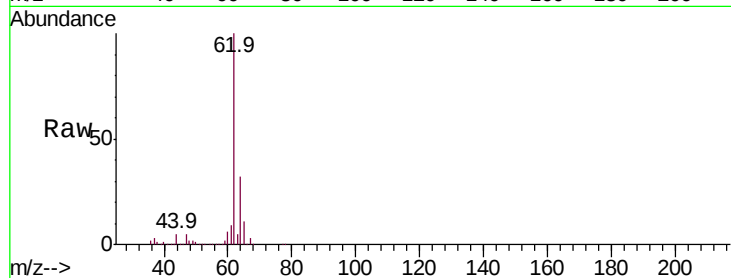
BFCM3

Tot Ion: 62 Resp: 364089

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.6



#12

1,1-Dichloroethene

Concen: 1.541 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

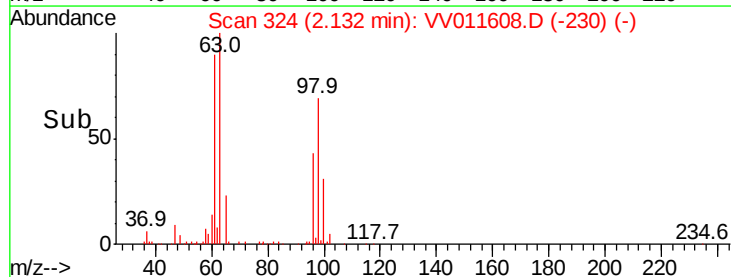
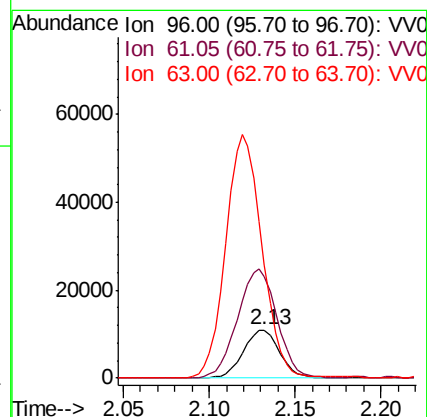
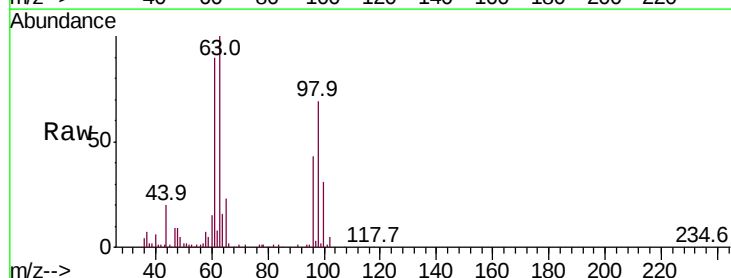
Tgt Ion: 96 Resp: 16234

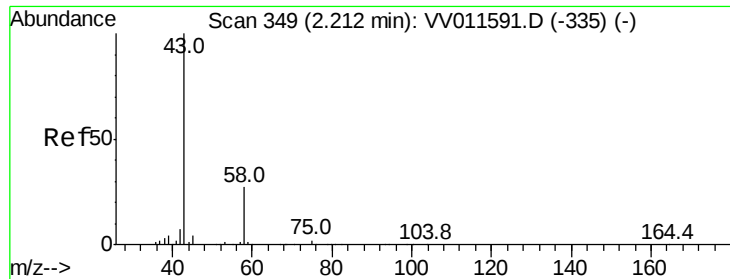
Ion Ratio Lower Upper

96 100

61 211.1 135.9 252.5

63 234.2 86.2 160.2#





#13

Acetone

Concen: 2.167 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

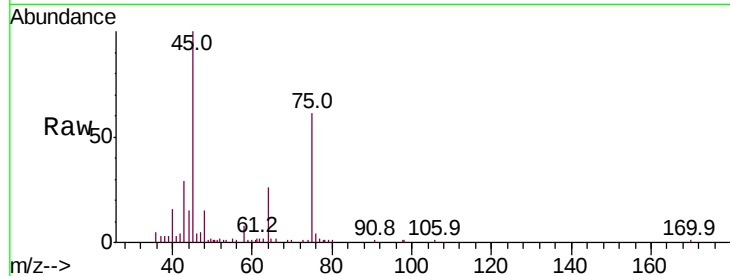
BFCM3

Tot Ion: 43 Resp: 5256

Ion Ratio Lower Upper

43 100

58 24.3 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

5000

4000

3000

2000

1000

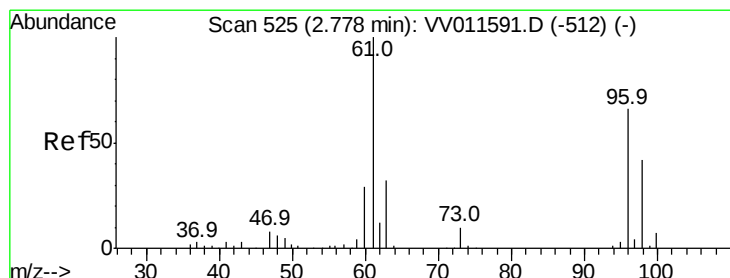
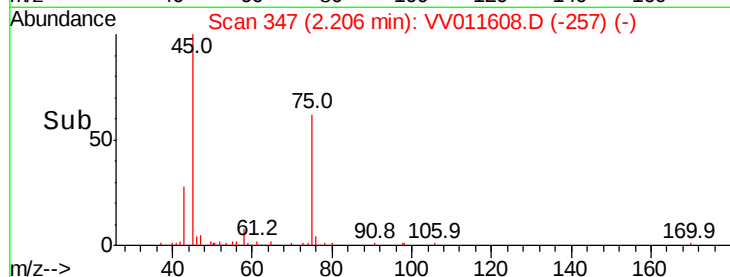
0

2.15

2.20

2.25

Time-->



#18

trans-1,2-Dichloroethene

Concen: 2.908 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

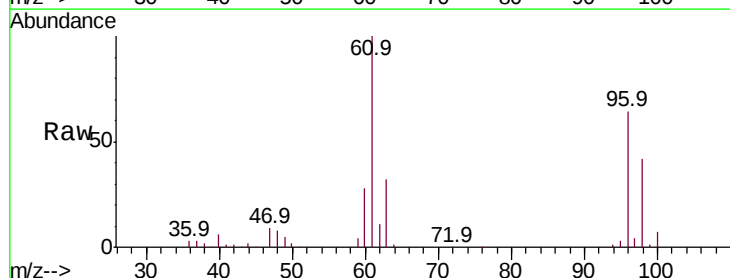
Tgt Ion: 96 Resp: 34643

Ion Ratio Lower Upper

96 100

61 156.2 110.0 204.4

98 65.3 45.8 85.0



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

40000

30000

20000

10000

0

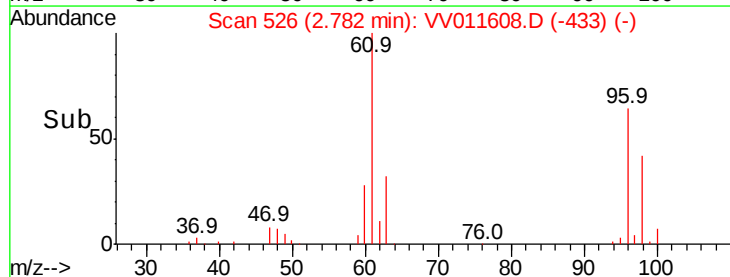
2.70

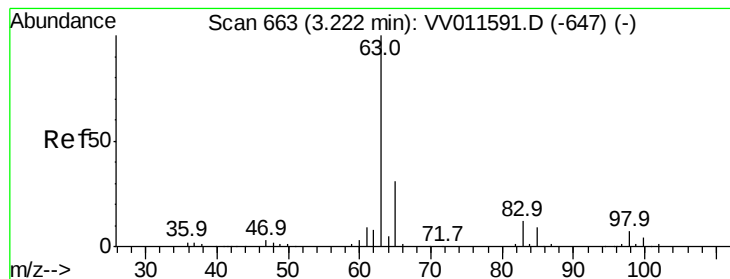
2.75

2.80

2.85

Time-->





#19

1,1-Dichloroethane

Concen: 17.095 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampled :

BFCM3

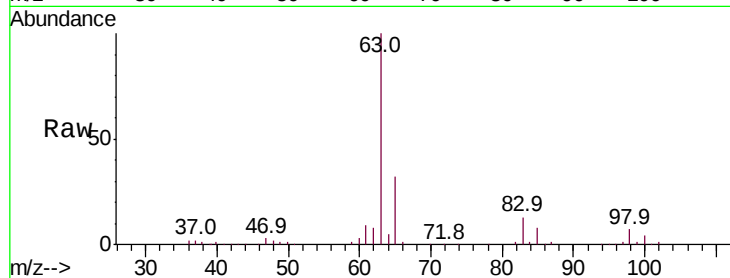
Tot Ion: 63 Resp: 421321

Ion Ratio Lower Upper

63 100

65 31.5 22.5 41.9

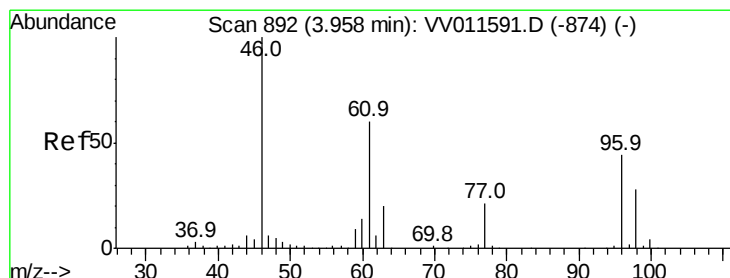
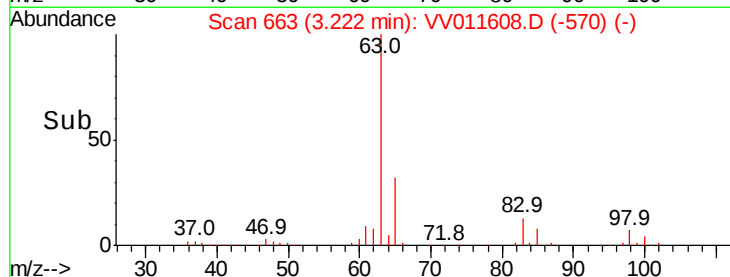
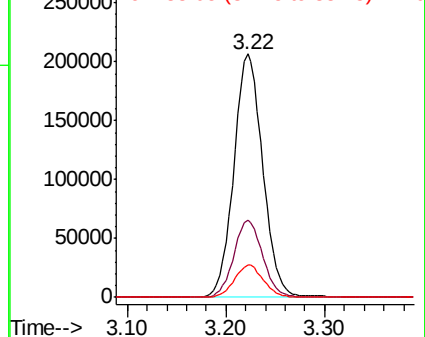
83 13.3 10.1 18.9



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



#22

cis-1,2-Dichloroethene

Concen: 100.316 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

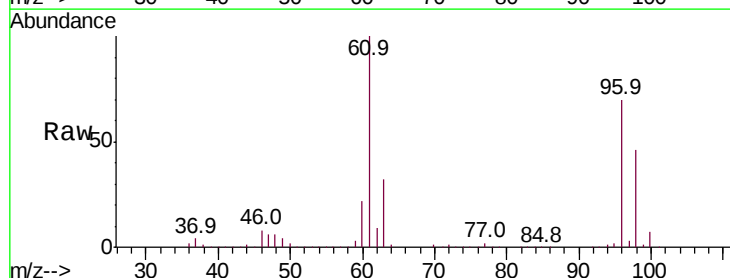
Tgt Ion: 96 Resp: 1353969

Ion Ratio Lower Upper

96 100

61 142.4 102.2 189.8

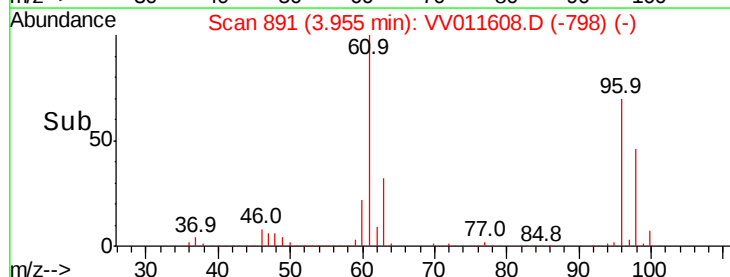
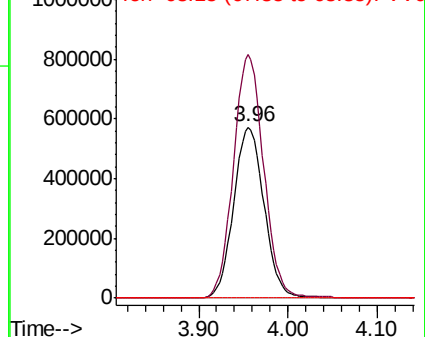
68 0.0 0.0 0.0

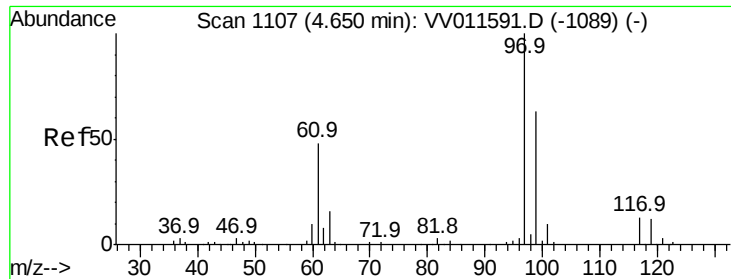


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

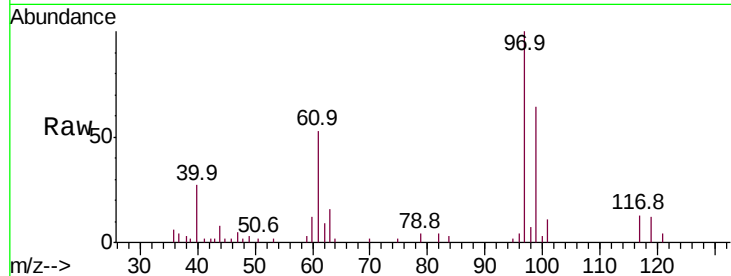




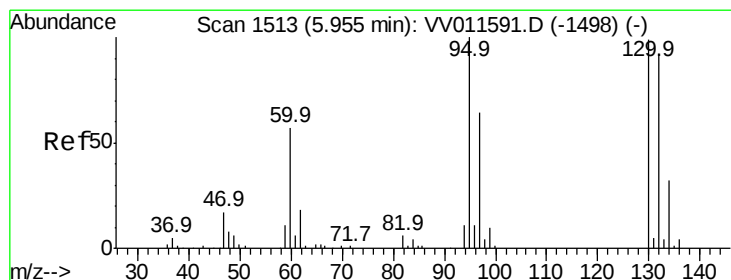
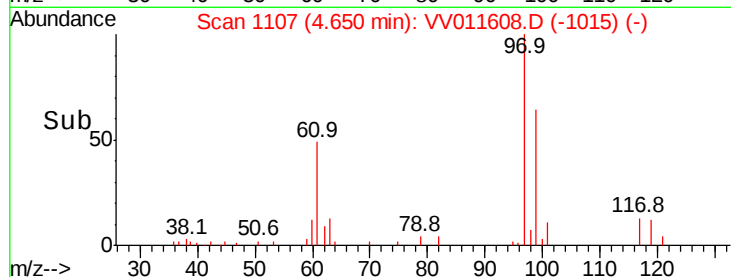
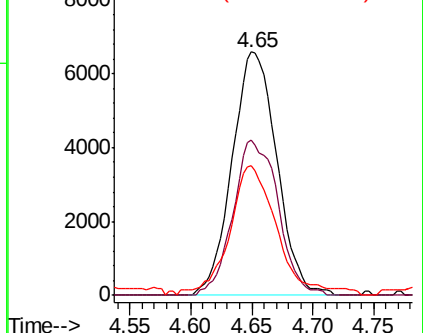
#29
1,1,1-Trichloroethane
Concen: 0.875 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VV011608.D
Acq: 19 Jun 2019 06:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM3

Tot Ion: 97 Resp: 16730
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 55.6 40.4 60.6

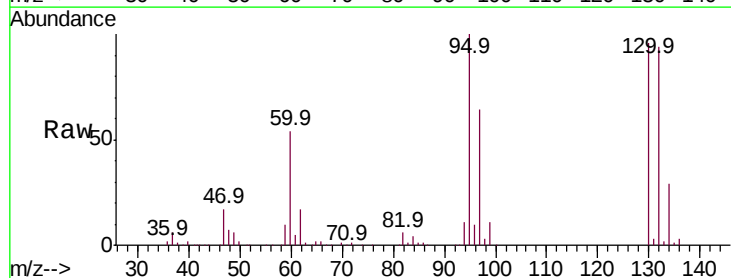


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

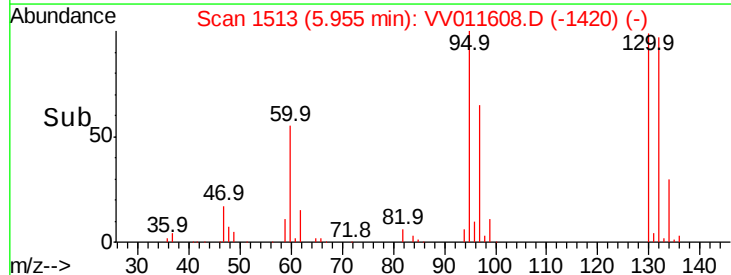
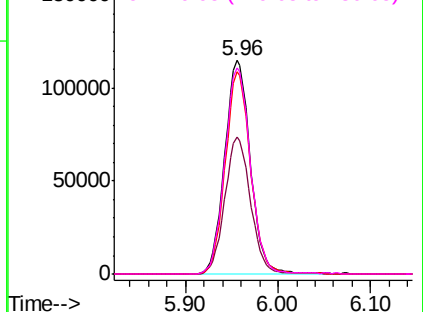


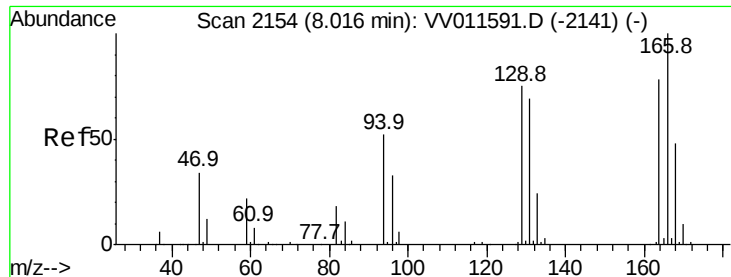
#34
Trichloroethene
Concen: 17.241 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV011608.D
Acq: 19 Jun 2019 06:47

Tgt Ion: 95 Resp: 220750
Ion Ratio Lower Upper
95 100
97 63.9 44.4 82.4
132 94.4 63.5 117.9
130 96.2 68.5 127.3



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: 7.515 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011608.D

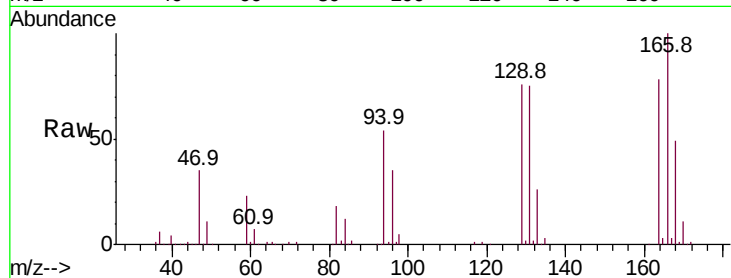
Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

BFCM3



Tot Ion:164 Resp: 68615

Ion Ratio Lower Upper

164 100

129 96.8 68.8 127.8

131 95.8 63.2 117.4

166 127.7 87.0 161.6

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

