

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061919\
 Data File : VV011590.D
 Acq On : 18 Jun 2019 22:05
 Operator : SY/MD
 Sample : K3381-14
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCQ4

Quant Time: Jun 19 03:01:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 19 02:08:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	153101	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145105	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58654	5.00	ug/L	0.00

System Monitoring Compounds

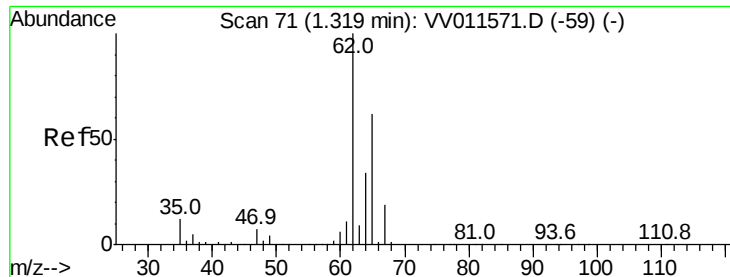
4) Vinyl Chloride-d3	1.32	65	53597	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.55	69	37737	5.15	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.12	63	161030	7.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	146.40%#
20) 2-Butanone-d5	3.94	46	196217	60.33	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.66%
24) Chloroform-d	4.39	84	112708	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.08	65	66645	5.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.60%
32) Benzene-d6	5.09	84	217820	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.11	67	70678	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.36	98	188141	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.66	79	20761	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.13	63	151802	57.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.06%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	56070	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	67508	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	7264	0.497	ug/L #	57
12) 1,1-Dichloroethene	2.13	96	139645	14.666	ug/L #	84
13) Acetone	2.19	43	6343	2.894	ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	4249	0.395	ug/L	94
19) 1,1-Dichloroethane	3.22	63	914130	41.042	ug/L	98
22) cis-1,2-Dichloroethene	3.95	96	289186	23.709	ug/L	98
27) 1,2-Dichloroethane	5.17	62	3293	0.209	ug/L #	94
29) 1,1,1-Trichloroethane	4.65	97	127371	7.055	ug/L	99
34) Trichloroethene	5.95	95	31102	2.573	ug/L	98
47) Tetrachloroethene	8.01	164	1422	0.165	ug/L	84

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

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ALS Vial : 22 Sample Multiplier: 1



#5

Vinyl chloride

Concen: 0.497 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011590.D

Acq: 18 Jun 2019 22:05

Instrument :

MSVOA_V

ClientSampled :

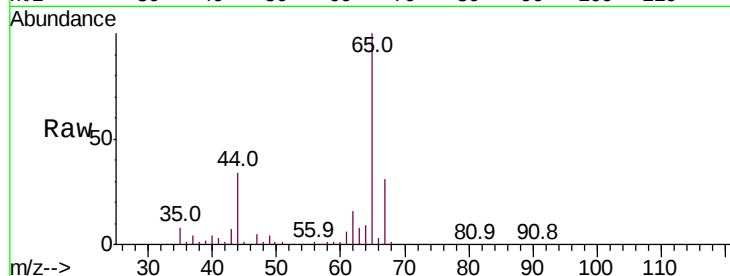
BFCQ4

Tot Ion: 62 Resp: 7264

Ion Ratio Lower Upper

62 100

64 57.1 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

8000

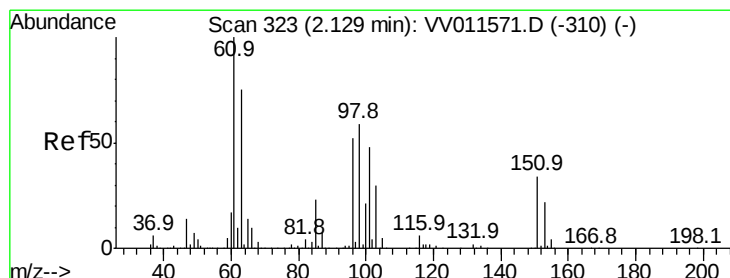
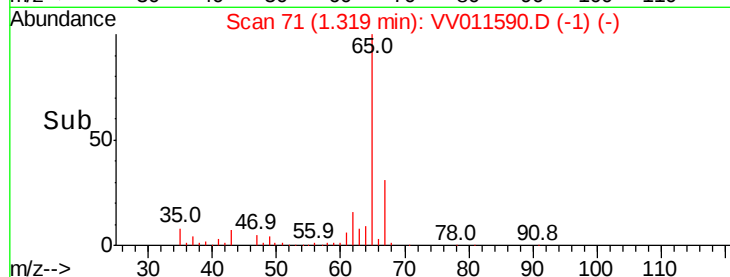
6000

4000

2000

0

Time-->



#12

1,1-Dichloroethene

Concen: 14.666 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011590.D

Acq: 18 Jun 2019 22:05

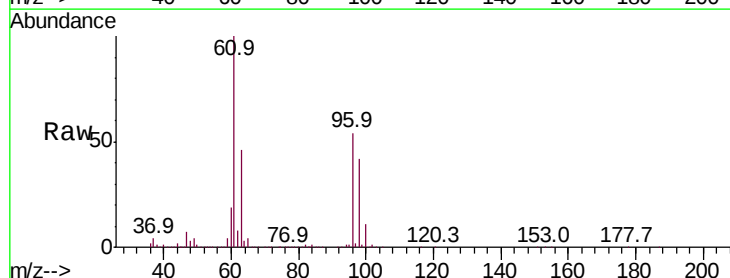
Tgt Ion: 96 Resp: 139645

Ion Ratio Lower Upper

96 100

61 186.6 135.9 252.5

63 86.0 86.2 160.2#



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

250000

200000

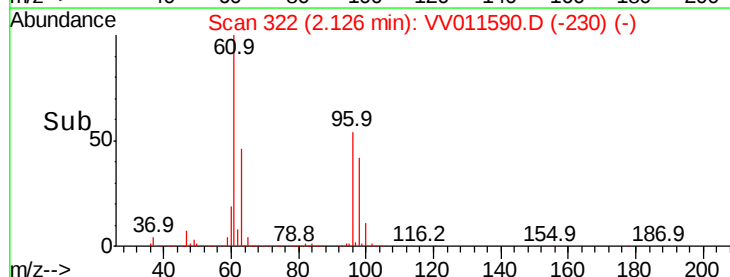
150000

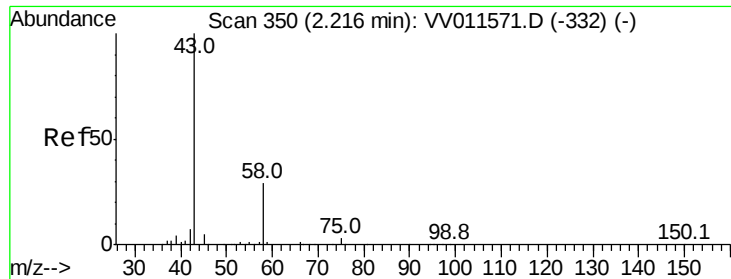
100000

50000

0

Time-->





#13

Acetone

Concen: 2.894 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.03 min

Lab File: VV011590.D

Acq: 18 Jun 2019 22:05

Instrument :

MSVOA_V

ClientSampleId :

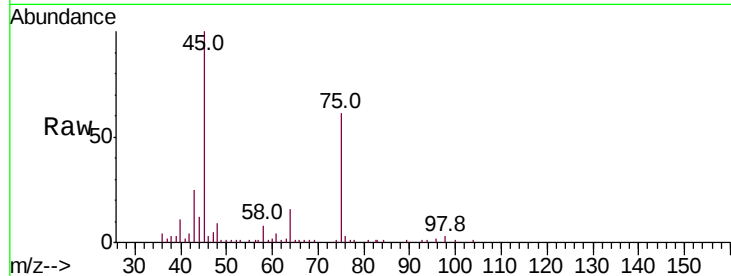
BFCQ4

Tot Ion: 43 Resp: 6343

Ion Ratio Lower Upper

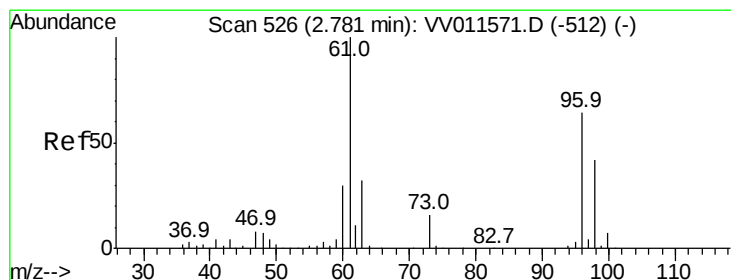
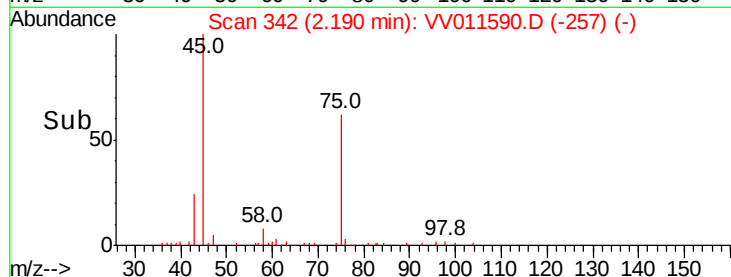
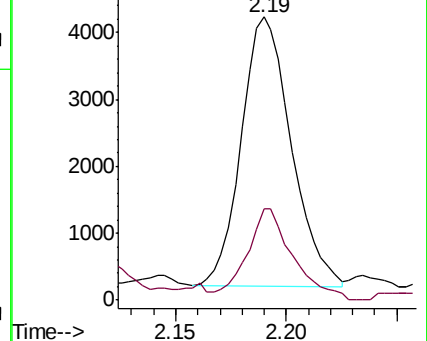
43 100

58 31.2 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV011571.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV011571.D (-332) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.395 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV011590.D

Acq: 18 Jun 2019 22:05

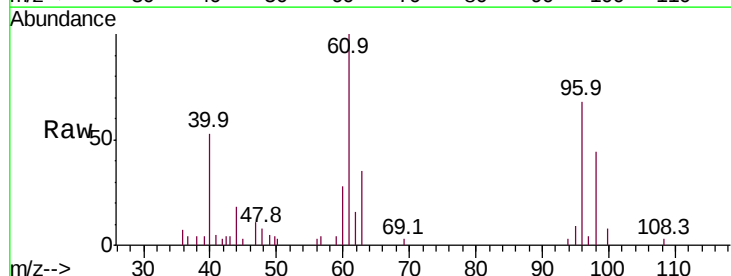
Tgt Ion: 96 Resp: 4249

Ion Ratio Lower Upper

96 100

61 146.9 110.0 204.4

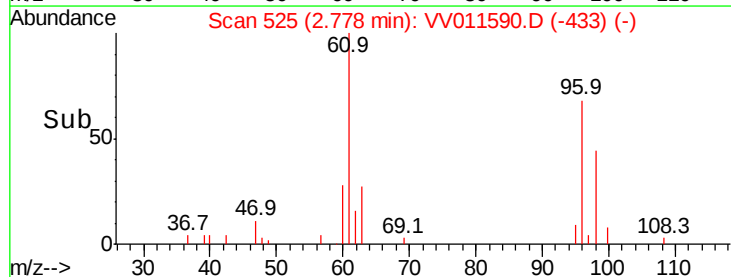
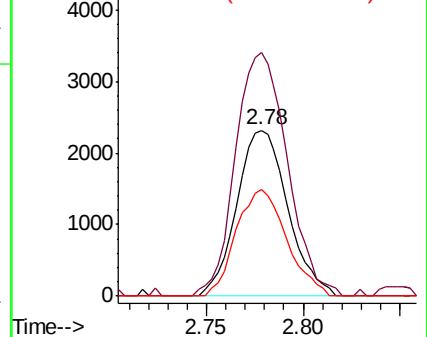
98 64.4 45.8 85.0

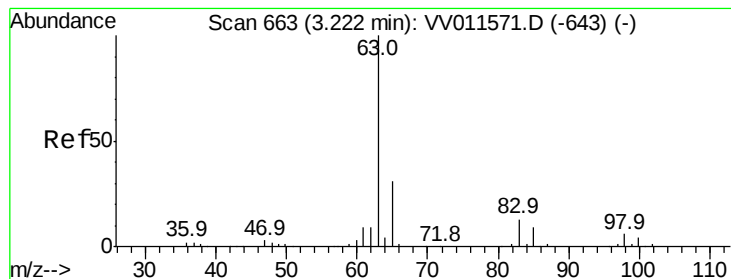


Abundance Ion 96.00 (95.70 to 96.70): VV011571.D (-512) (-)

Ion 61.05 (60.75 to 61.75): VV011571.D (-512) (-)

Ion 97.95 (97.65 to 98.65): VV011571.D (-512) (-)





#19

1,1-Dichloroethane

Concen: 41.042 ug/L

RT: 3.22 min Scan# 662

Delta R.T. -0.00 min

Lab File: VV011590.D

Acq: 18 Jun 2019 22:05

Instrument :

MSVOA_V

ClientSampleId :

BFCQ4

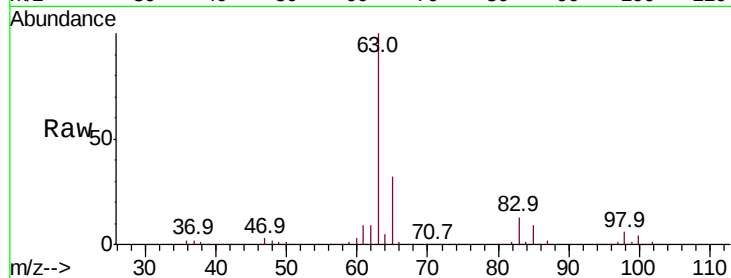
Tot Ion: 63 Resp: 914130

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.9

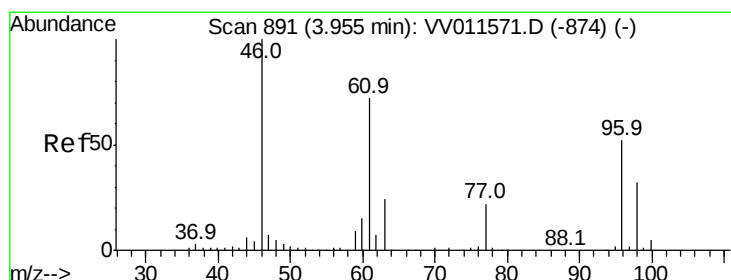
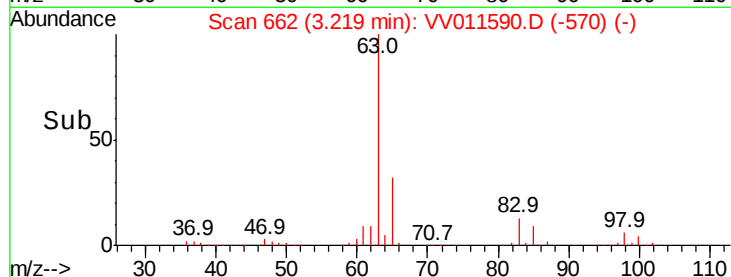
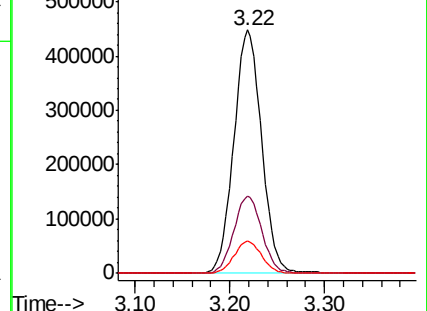
83 13.2 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VV011571.D (-643) (-)

Ion 65.10 (64.80 to 65.80): VV011571.D (-643) (-)

Ion 83.05 (82.75 to 83.75): VV011571.D (-643) (-)



#22

cis-1,2-Dichloroethene

Concen: 23.709 ug/L

RT: 3.95 min Scan# 890

Delta R.T. -0.00 min

Lab File: VV011590.D

Acq: 18 Jun 2019 22:05

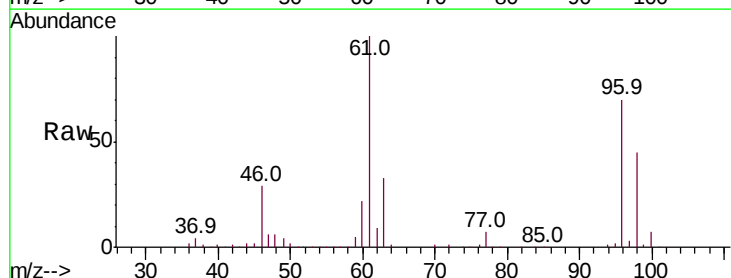
Tgt Ion: 96 Resp: 289186

Ion Ratio Lower Upper

96 100

61 143.7 102.2 189.8

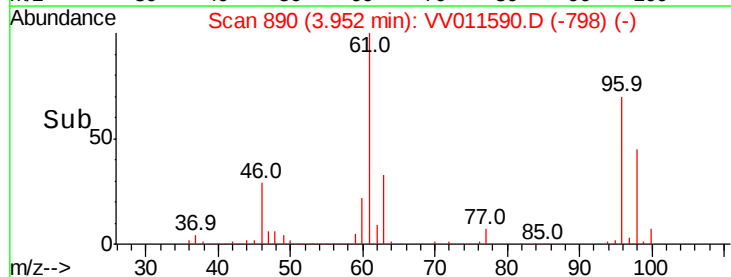
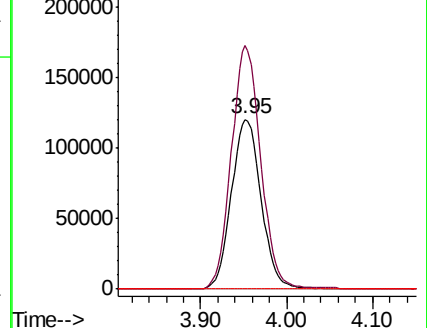
68 0.0 0.0 0.0

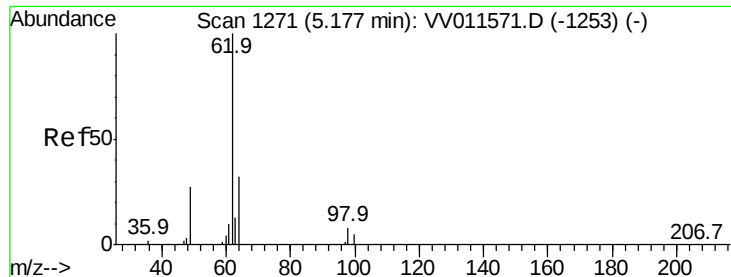


Abundance Ion 96.00 (95.70 to 96.70): VV011571.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VV011571.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VV011571.D (-874) (-)





#27

1,2-Dichloroethane

Concen: 0.209 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV011590.D

Acq: 18 Jun 2019 22:05

Instrument :

MSVOA_V

ClientSampleId :

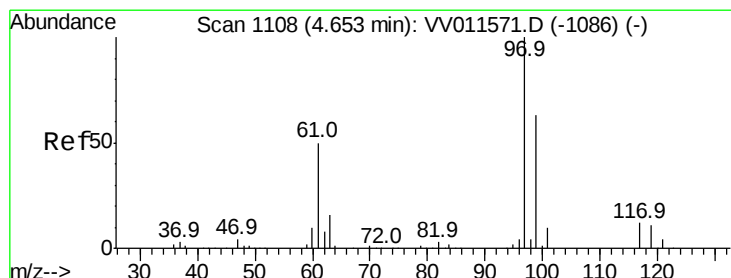
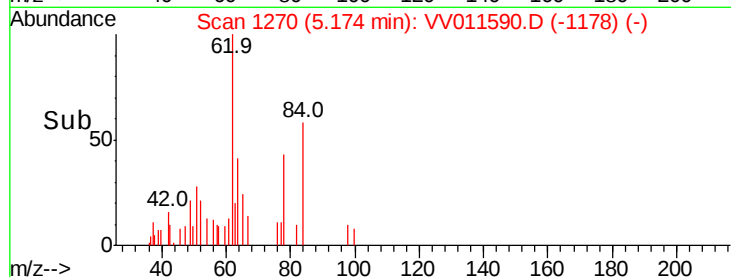
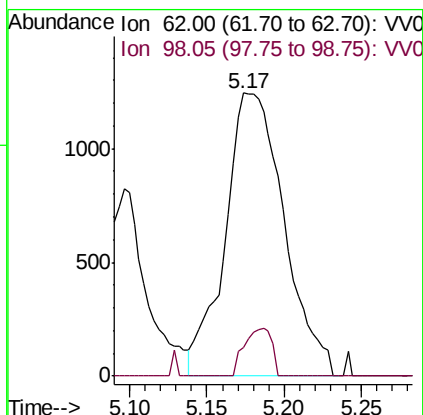
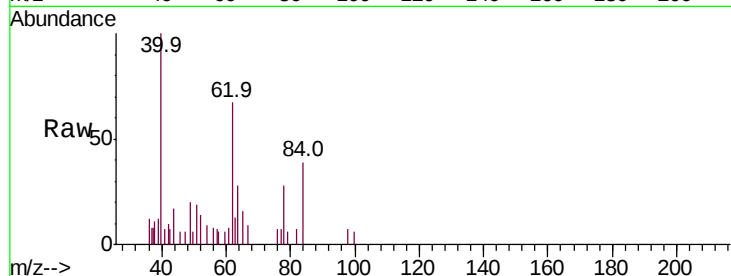
BFCQ4

Tot Ion: 62 Resp: 3293

Ion Ratio Lower Upper

62 100

98 10.2 6.5 9.7#



#29

1,1,1-Trichloroethane

Concen: 7.055 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011590.D

Acq: 18 Jun 2019 22:05

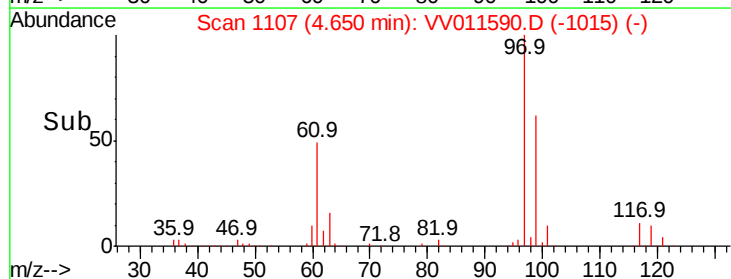
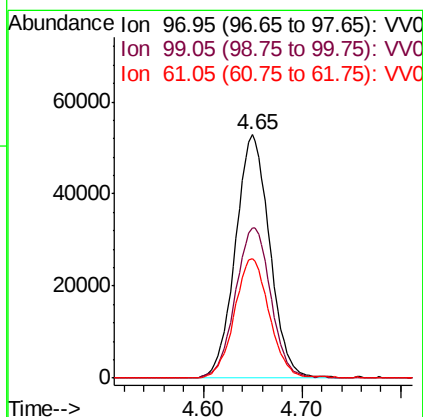
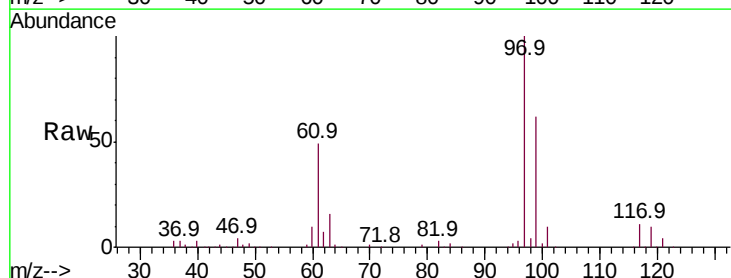
Tgt Ion: 97 Resp: 127371

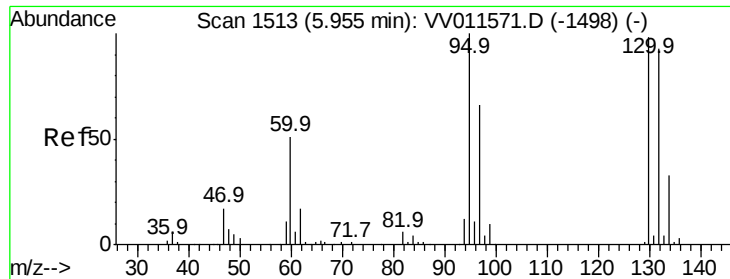
Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 50.1 40.4 60.6





#34

Trichloroethene

Concen: 2.573 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011590.D

Acq: 18 Jun 2019 22:05

Instrument :

MSVOA_V

ClientSampleId :

BFCQ4

Tot Ion: 95 Resp: 31102

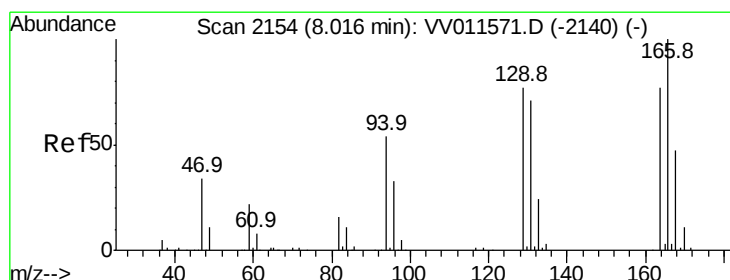
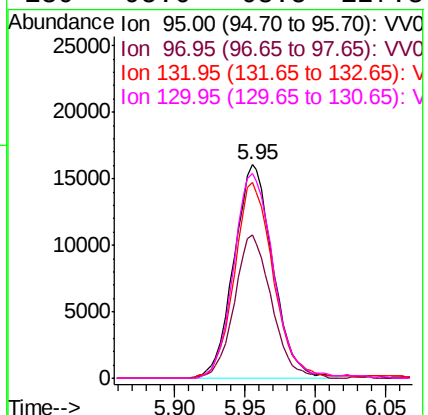
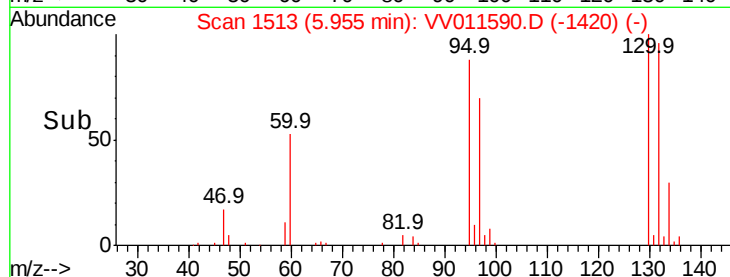
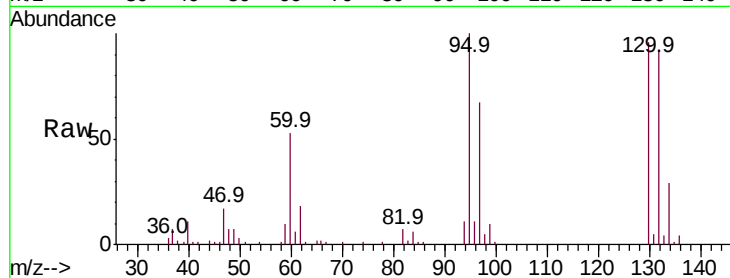
Ion Ratio Lower Upper

95 100

97 66.9 44.4 82.4

132 91.8 63.5 117.9

130 95.6 68.5 127.3



#47

Tetrachloroethene

Concen: 0.165 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV011590.D

Acq: 18 Jun 2019 22:05

Tgt Ion: 164 Resp: 1422

Ion Ratio Lower Upper

164 100

129 89.8 68.8 127.8

131 72.4 63.2 117.4

166 101.3 87.0 161.6

