

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061219\
 Data File : VV011454.D
 Acq On : 13 Jun 2019 10:52
 Operator : SY/MD
 Sample : K3289-08 1000X
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL2

Quant Time: Jun 14 04:37:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 14 03:57:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	139017	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	124676	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	47553	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33842	3.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.20%
7) Chloroethane-d5	1.55	69	29513	3.37	ug/L	-0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.40%
11) 1,1-Dichloroethene-d2	2.12	63	66416	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	3.95	46	123483	52.07	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.14%
24) Chloroform-d	4.39	84	78731	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	5.08	65	45688	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	5.09	84	154856	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.11	67	50465	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.35	98	132798	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloropropene-	7.66	79	13736	3.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.80%
46) 2-Hexanone-d5	8.13	63	82247	44.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.90%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35350	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	41772	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

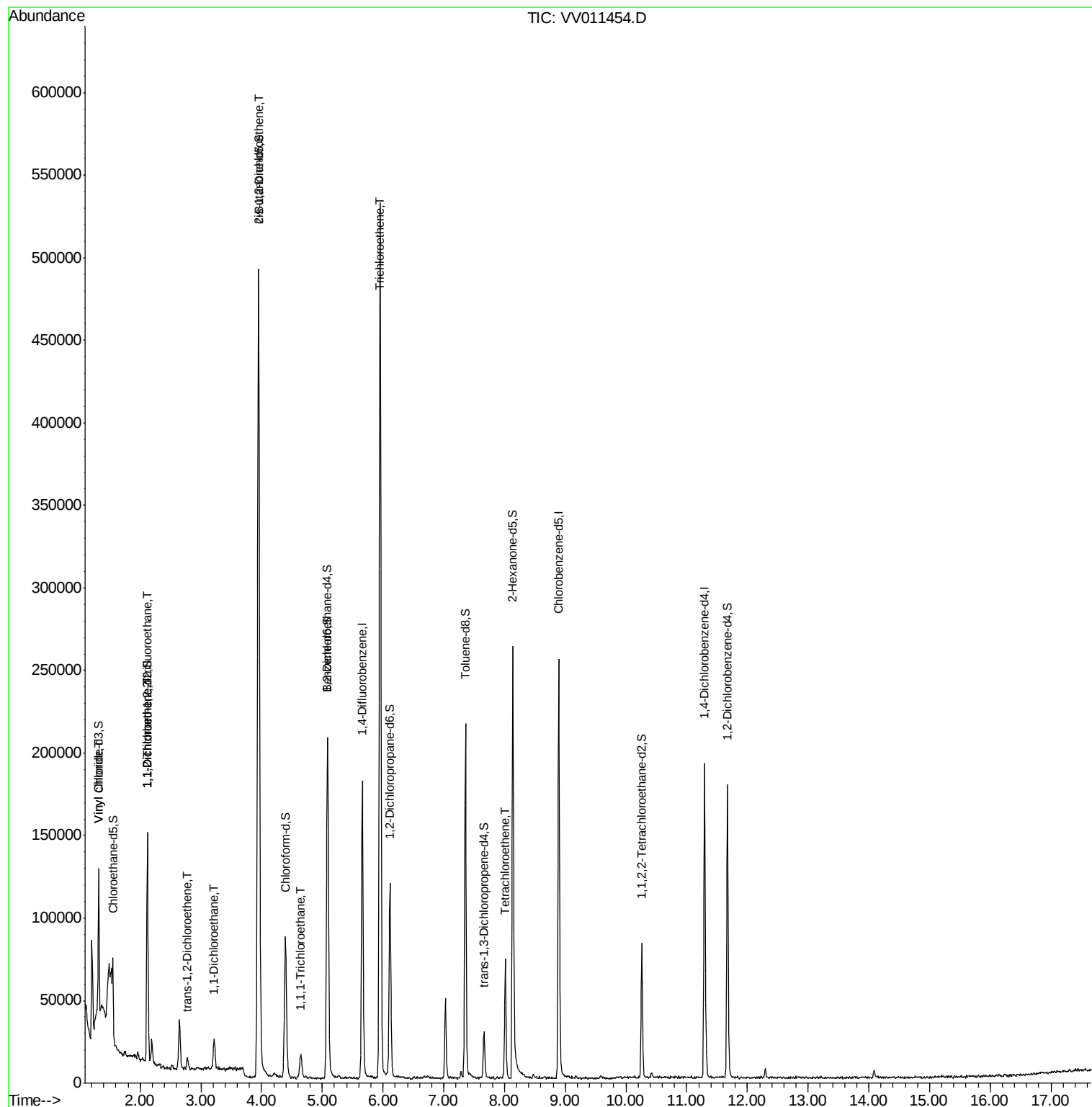
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	15499	1.212	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	4700	0.522	ug/L	94
12) 1,1-Dichloroethene	2.13	96	8850	1.010	ug/L #	1
18) trans-1,2-Dichloroethene	2.78	96	2610	0.266	ug/L	79
19) 1,1-Dichloroethane	3.22	63	17273	0.893	ug/L	98
22) cis-1,2-Dichloroethene	3.95	96	209515	19.292	ug/L #	96
29) 1,1,1-Trichloroethane	4.64	97	9514	0.598	ug/L	91
34) Trichloroethene	5.95	95	173815	16.959	ug/L	99
47) Tetrachloroethene	8.01	164	13883	1.874	ug/L	94

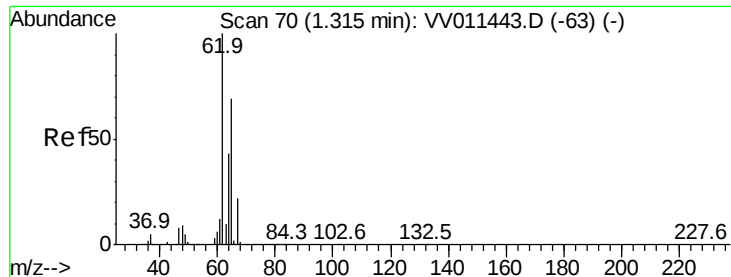
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 14 03:57:16 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.212 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011454.D

Acq: 13 Jun 2019 10:52

Instrument :

MSVOA_V

ClientSampled :

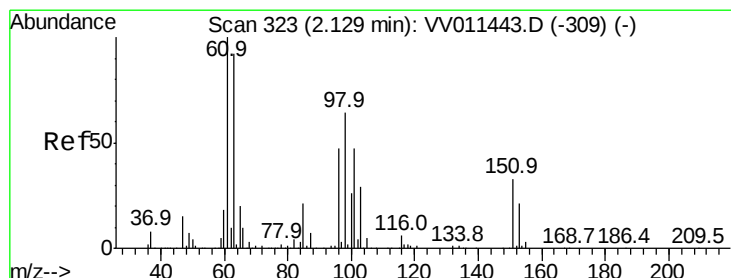
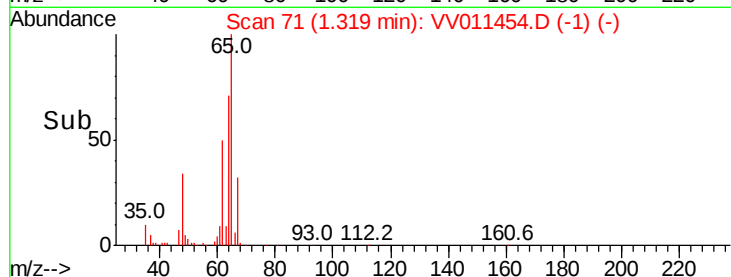
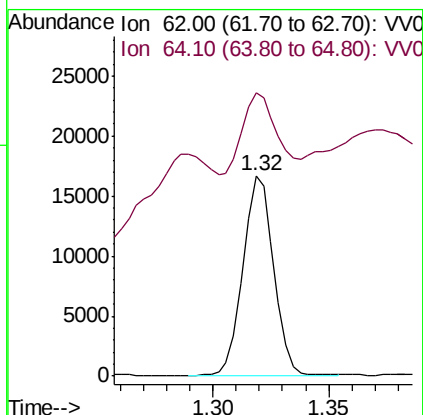
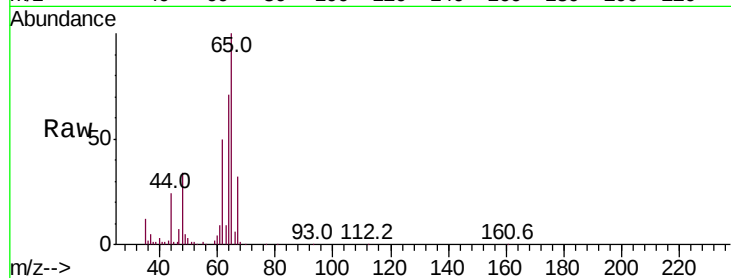
BFCL2

Tot Ion: 62 Resp: 15499

Ion Ratio Lower Upper

62 100

64 141.3 25.9 48.1#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.522 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV011454.D

Acq: 13 Jun 2019 10:52

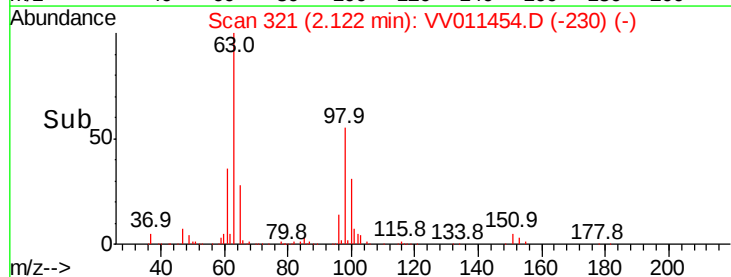
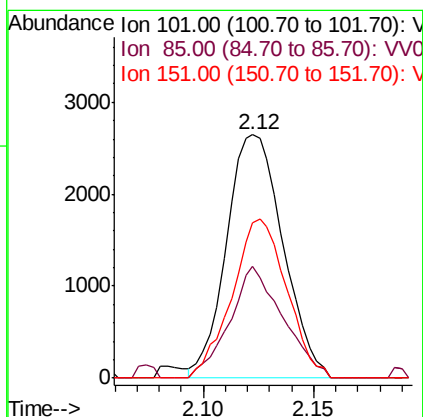
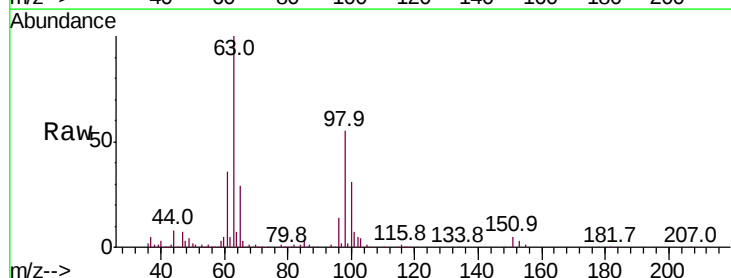
Tgt Ion: 101 Resp: 4700

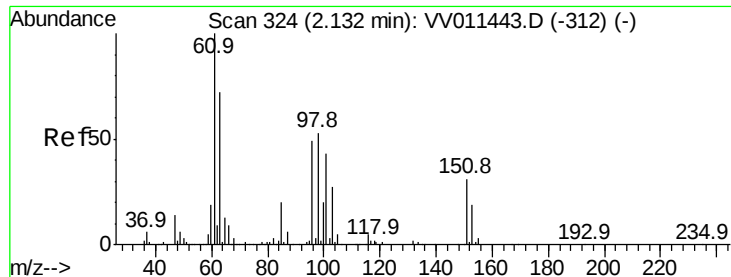
Ion Ratio Lower Upper

101 100

85 43.4 35.5 53.3

151 63.1 56.9 85.3





#12

1,1-Dichloroethene

Concen: 1.010 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV011454.D

Acq: 13 Jun 2019 10:52

Instrument :

MSVOA_V

ClientSampleId :

BFCL2

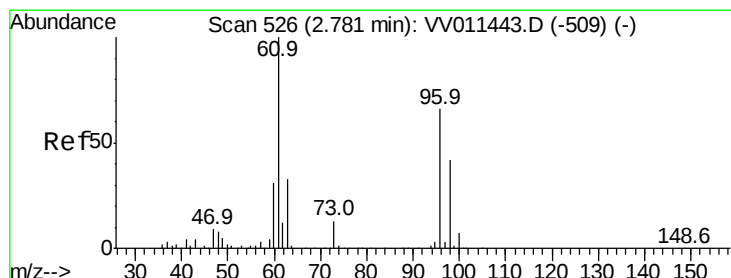
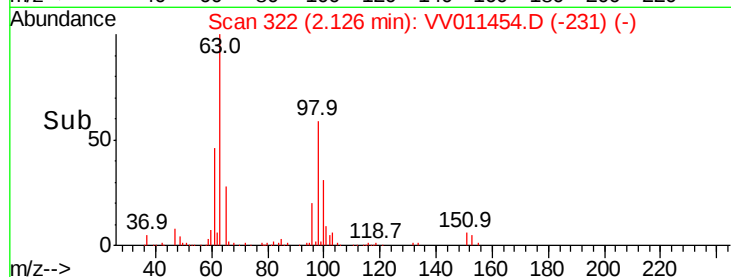
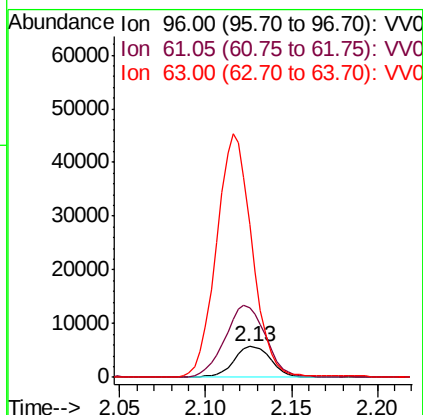
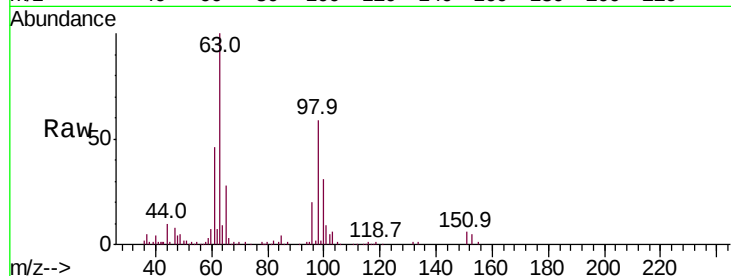
Tot Ion: 96 Resp: 8850

Ion Ratio Lower Upper

96 100

61 229.5 139.8 259.6

63 502.0 94.3 175.1#



#18

trans-1,2-Dichloroethene

Concen: 0.266 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV011454.D

Acq: 13 Jun 2019 10:52

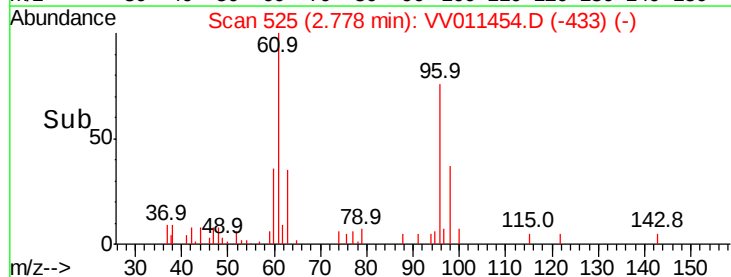
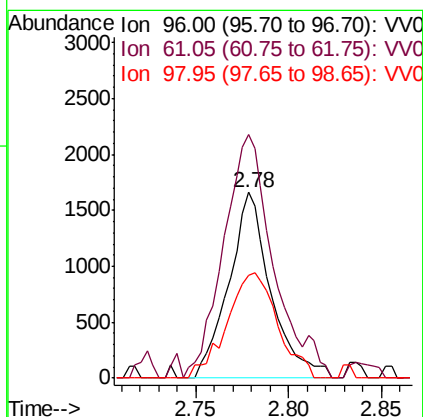
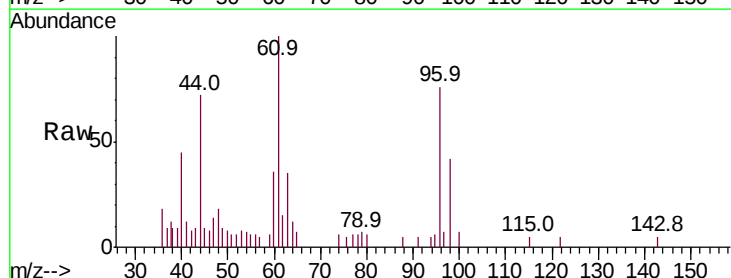
Tgt Ion: 96 Resp: 2610

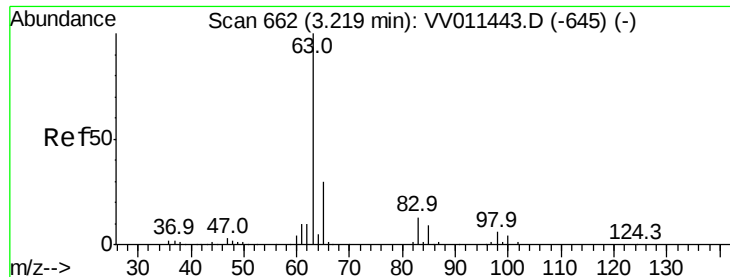
Ion Ratio Lower Upper

96 100

61 120.6 104.0 193.2

98 51.1 45.7 84.9

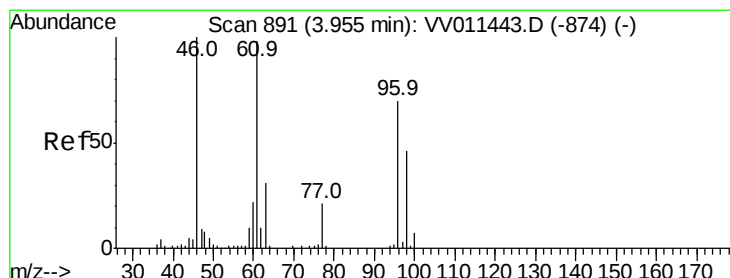
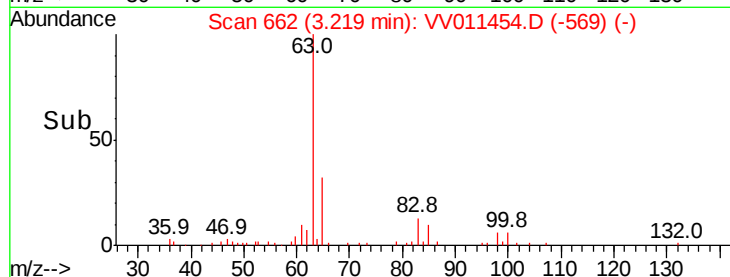
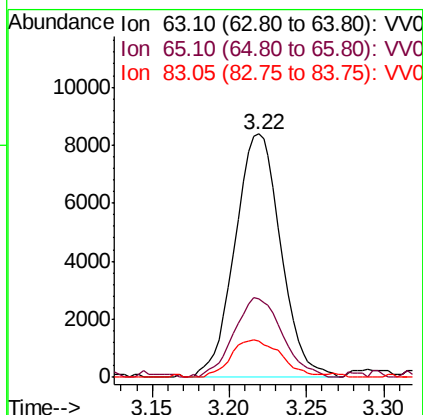
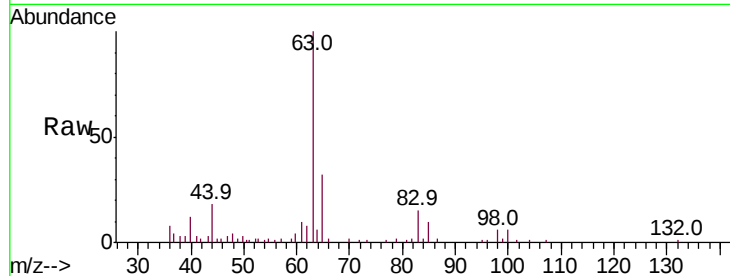




#19
 1,1-Dichloroethane
 Concen: 0.893 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: VV011454.D
 Acq: 13 Jun 2019 10:52

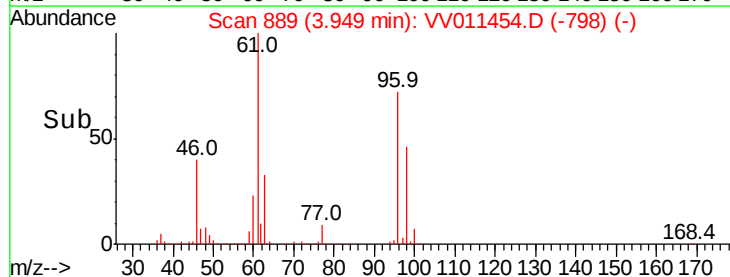
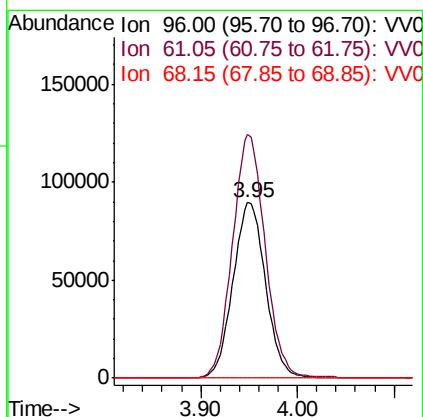
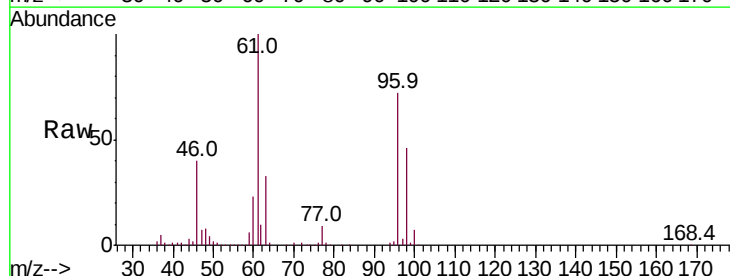
Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL2

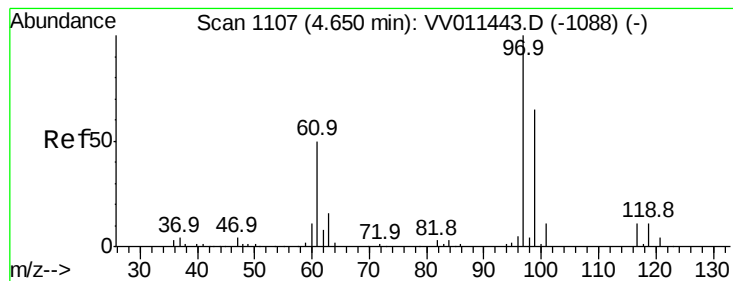
Tot Ion: 63 Resp: 17273
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.1 41.1
 83 14.8 9.2 17.0



#22
 cis-1,2-Dichloroethene
 Concen: 19.292 ug/L
 RT: 3.95 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: VV011454.D
 Acq: 13 Jun 2019 10:52

Tgt Ion: 96 Resp: 209515
 Ion Ratio Lower Upper
 96 100
 61 138.7 100.8 187.2
 68 0.1 0.0 0.0#





#29

1,1,1-Trichloroethane

Concen: 0.598 ug/L

RT: 4.64 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VV011454.D

Acq: 13 Jun 2019 10:52

Instrument :

MSVOA_V

ClientSampled :

BFCL2

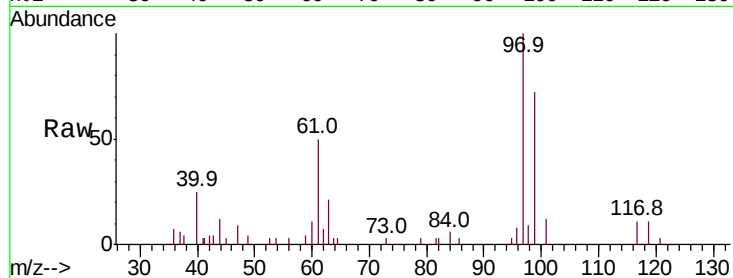
Tot Ion: 97 Resp: 9514

Ion Ratio Lower Upper

97 100

99 71.8 50.8 76.2

61 53.6 38.9 58.3

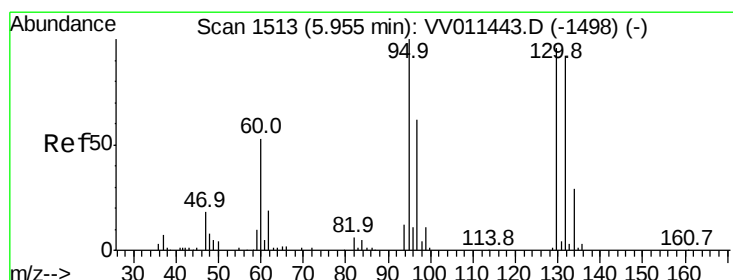
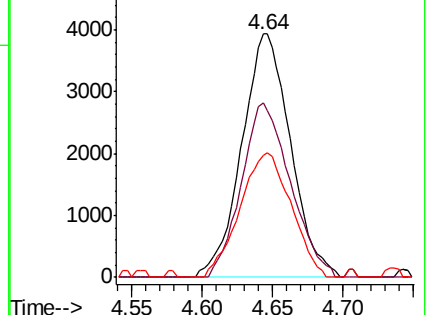
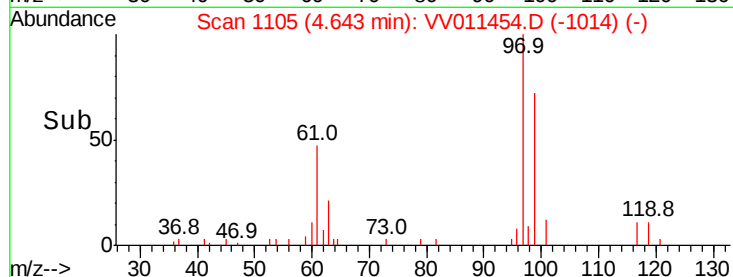


Abundance

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: 16.959 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV011454.D

Acq: 13 Jun 2019 10:52

Tgt Ion: 95 Resp: 173815

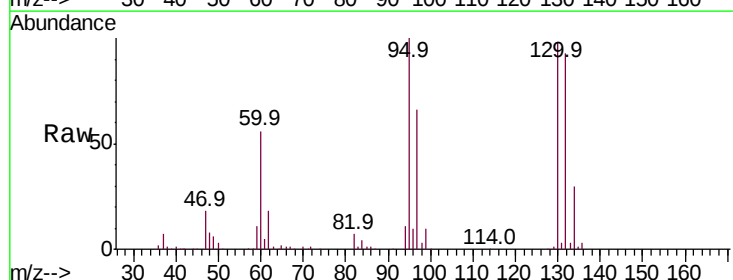
Ion Ratio Lower Upper

95 100

97 66.2 45.8 85.2

132 93.4 66.4 123.2

130 97.6 68.3 126.8



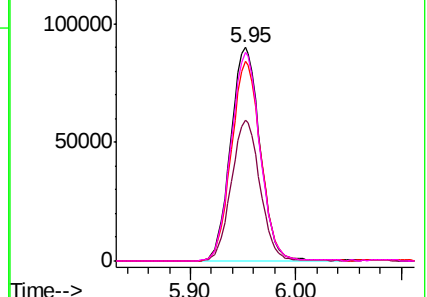
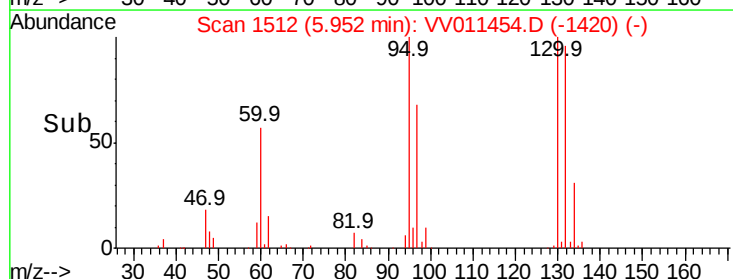
Abundance

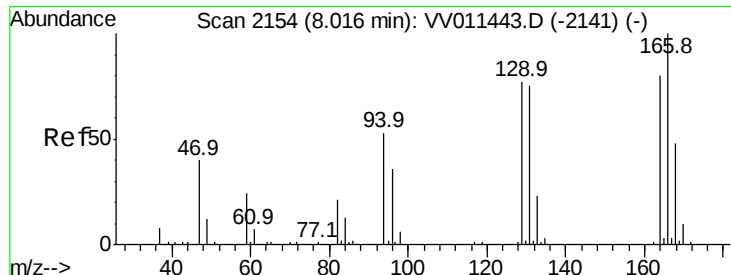
Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#47

Tetrachloroethene

Concen: 1.874 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV011454.D

Acq: 13 Jun 2019 10:52

Instrument :
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ClientSampleId :
BFCL2

Tot Ion:164 Resp: 13883

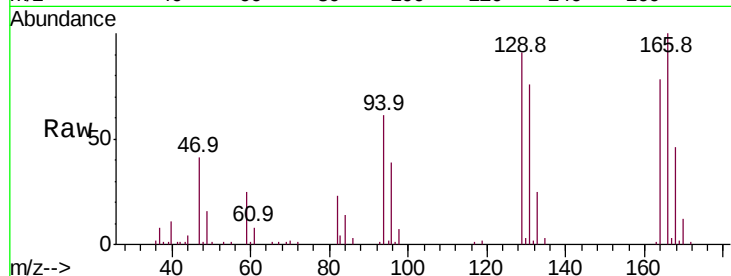
Ion Ratio Lower Upper

164 100

129 117.1 69.9 129.9

131 97.7 66.8 124.2

166 128.5 90.2 167.6



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

