

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062419\
 Data File : VV011741.D
 Acq On : 24 Jun 2019 20:09
 Operator : SY/MD
 Sample : K3462-01 2500X
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCL0

Quant Time: Jun 25 09:22:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 25 08:19:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	163575	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	153802	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64784	5.00	ug/L	0.00

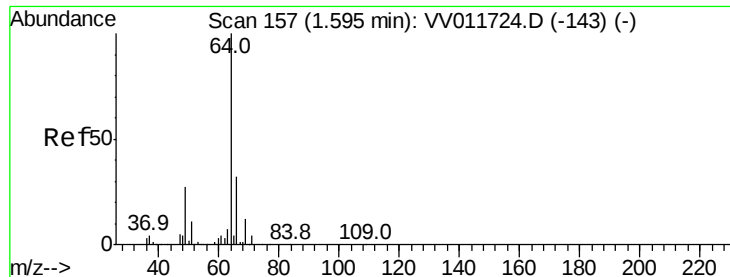
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51901	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.57	69	35619	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.12	63	105159	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	3.95	46	168142	58.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.58%
24) Chloroform-d	4.40	84	106510	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.08	65	64338	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.09	84	221029	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.12	67	69504	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.36	98	189654	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.66	79	21849	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.13	63	127395	58.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	48818	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	63887	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
8) Chloroethane	1.59	64	3272	0.414 ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	7180	0.647 ug/L	98
12) 1,1-Dichloroethene	2.13	96	45363	4.481 ug/L	96
19) 1,1-Dichloroethane	3.22	63	65150	2.754 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	130539	9.981 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	780439	39.410 ug/L	98
34) Trichloroethene	5.95	95	25145	1.860 ug/L	98
42) Toluene	7.43	91	178565	3.351 ug/L	100
47) Tetrachloroethene	8.02	164	7218	0.717 ug/L	94

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



#8

Chloroethane

Concen: 0.414 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV011741.D

Acq: 24 Jun 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

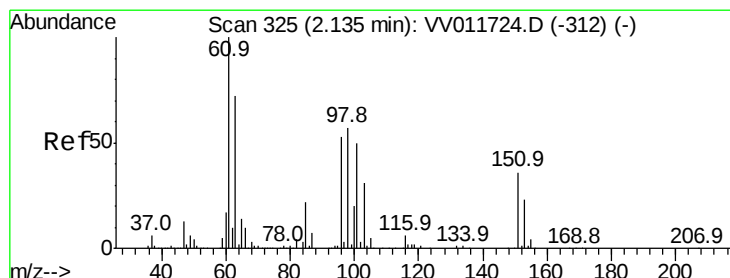
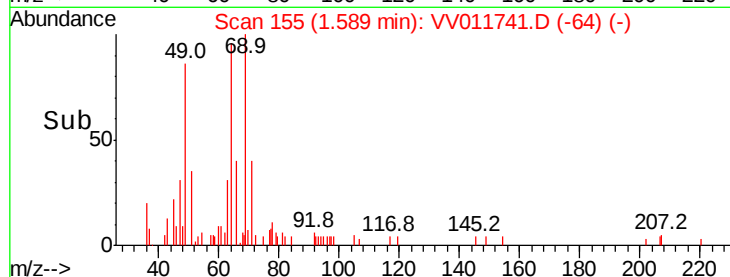
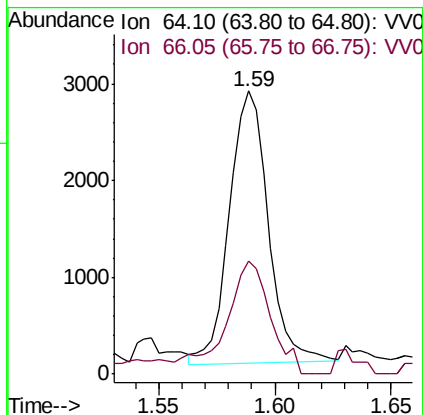
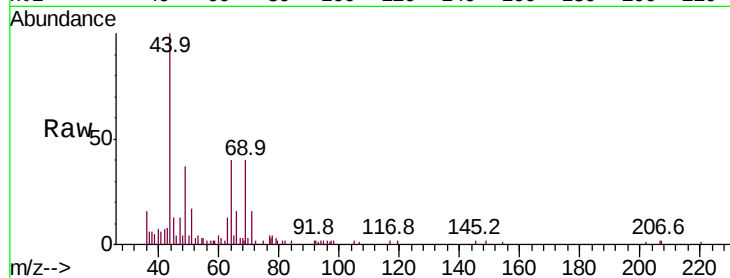
BFCL0

Tot Ion: 64 Resp: 3272

Ion Ratio Lower Upper

64 100

66 36.4 20.6 38.4



#10

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

Concen: 0.647 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV011741.D

Acq: 24 Jun 2019 20:09

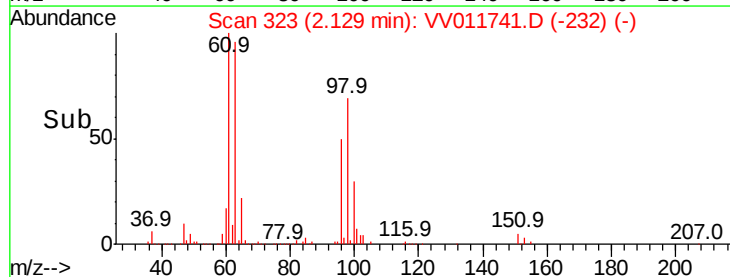
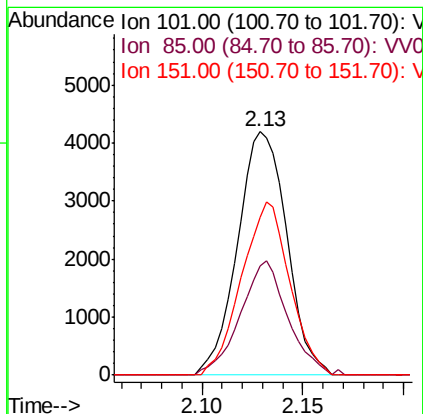
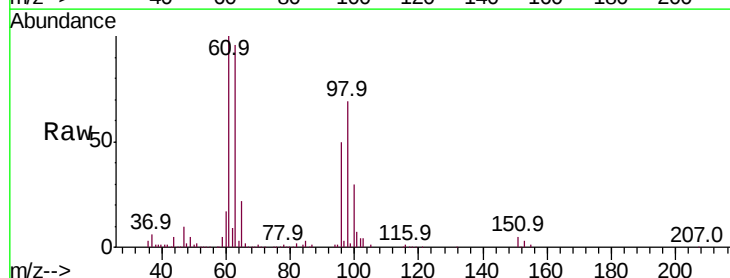
Tgt Ion: 101 Resp: 7180

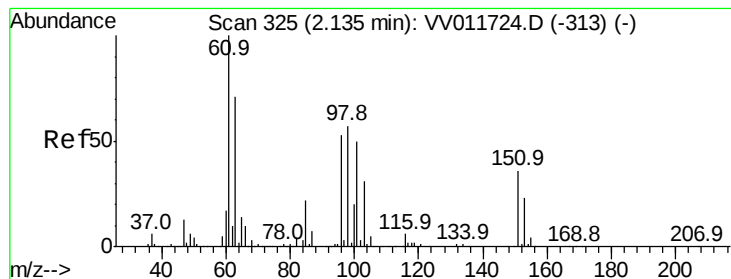
Ion Ratio Lower Upper

101 100

85 45.0 35.9 53.9

151 69.4 57.4 86.2





#12

1,1-Dichloroethene

Concen: 4.481 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011741.D

Acq: 24 Jun 2019 20:09

Instrument :

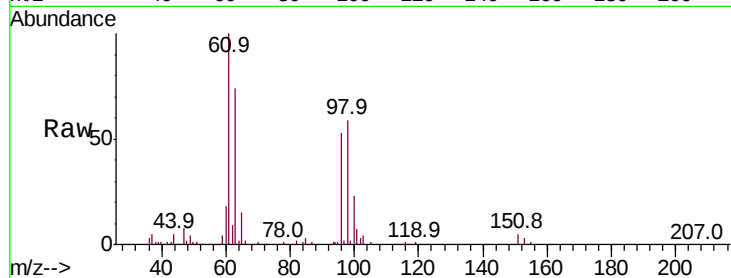
MSVOA_V

ClientSampleId :

BFCL0

Tot Ion: 96 Resp: 45363

Ion	Ratio	Lower	Upper
96	100		
61	189.3	131.5	244.1
63	140.9	91.8	170.4



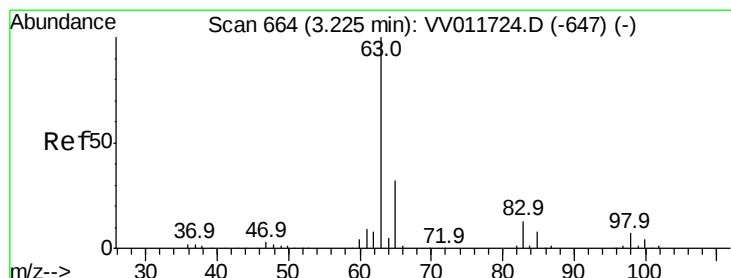
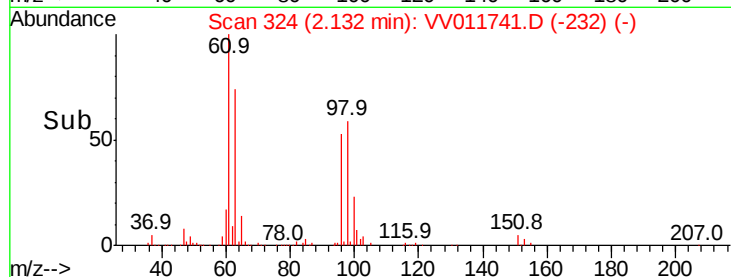
Abundance

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

Time-->



#19

1,1-Dichloroethane

Concen: 2.754 ug/L

RT: 3.22 min Scan# 663

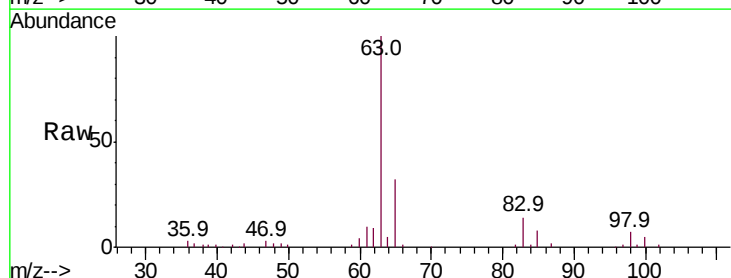
Delta R.T. -0.00 min

Lab File: VV011741.D

Acq: 24 Jun 2019 20:09

Tgt Ion: 63 Resp: 65150

Ion	Ratio	Lower	Upper
63	100		
65	32.5	23.0	42.8
83	14.3	9.5	17.7



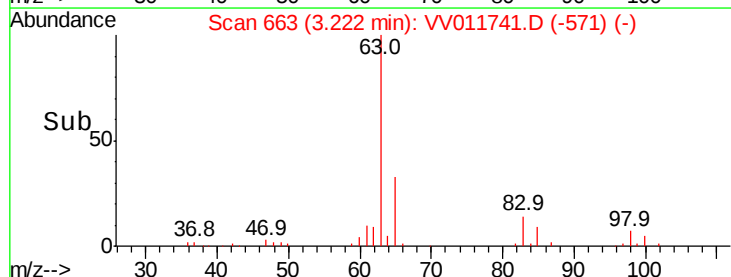
Abundance

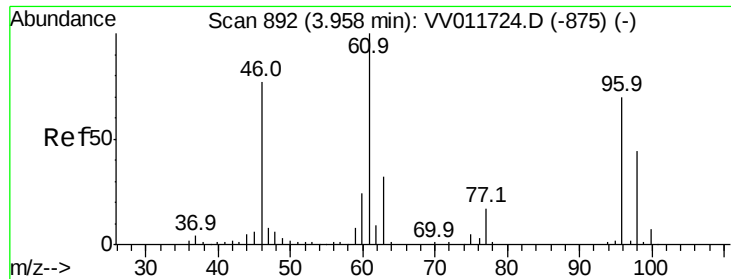
Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0

Time-->





#22

cis-1,2-Dichloroethene

Concen: 9.981 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV011741.D

Acq: 24 Jun 2019 20:09

Instrument :
MSVOA_V
ClientSampleId :
BFCL0

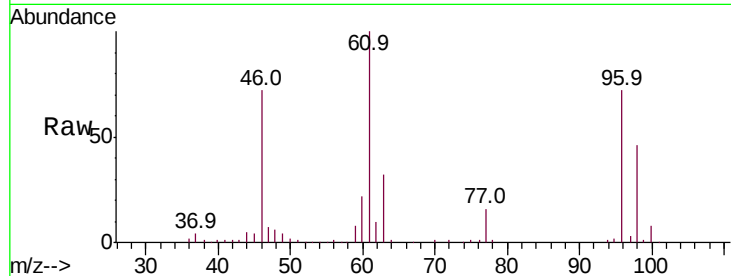
Tot Ion: 96 Resp: 130539

Ion Ratio Lower Upper

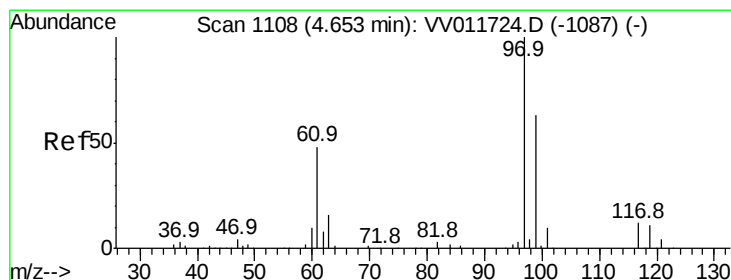
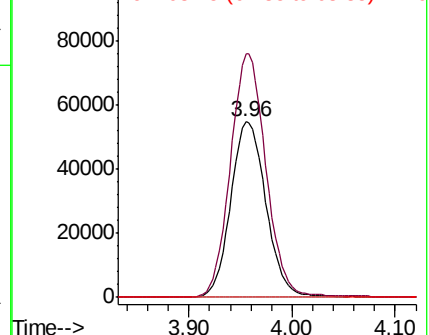
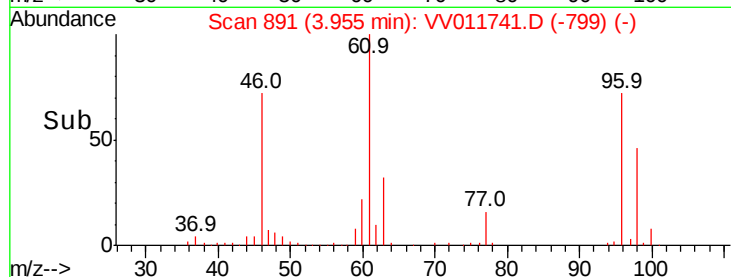
96 100

61 138.5 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: 39.410 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV011741.D

Acq: 24 Jun 2019 20:09

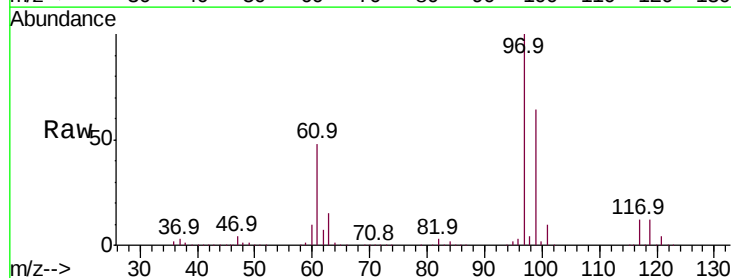
Tgt Ion: 97 Resp: 780439

Ion Ratio Lower Upper

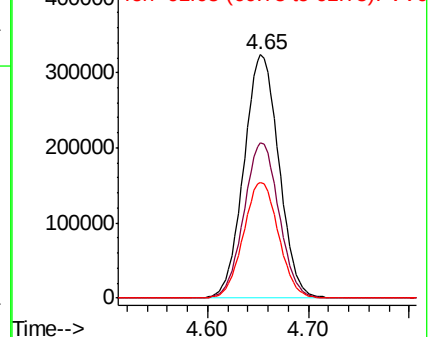
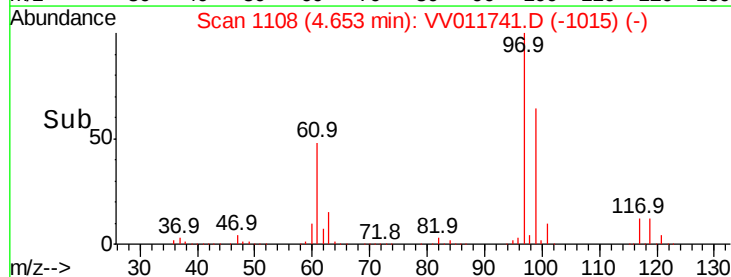
97 100

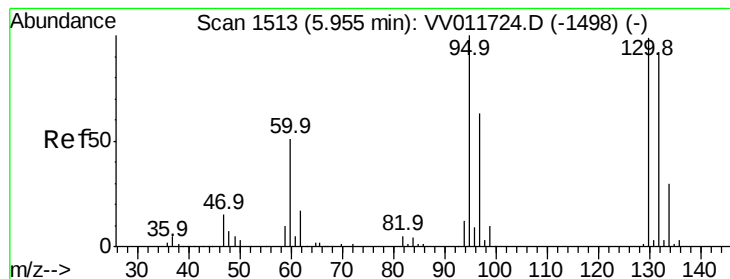
99 63.9 51.6 77.4

61 47.9 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: 1.860 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011741.D

Acq: 24 Jun 2019 20:09

Instrument :

MSVOA_V

ClientSampleId :

BFCL0

Tot Ion: 95 Resp: 25145

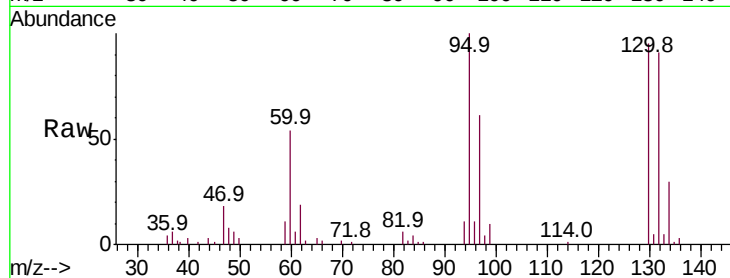
Ion Ratio Lower Upper

95 100

97 61.5 44.4 82.5

132 91.0 65.0 120.6

130 94.5 67.1 124.7



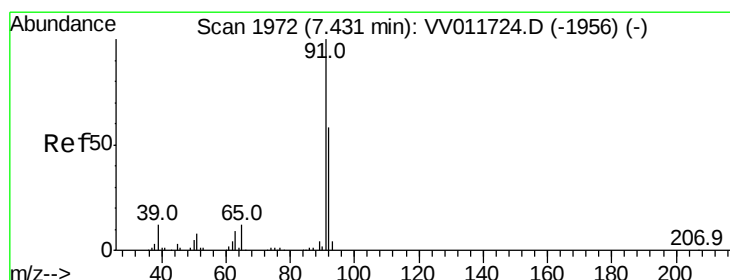
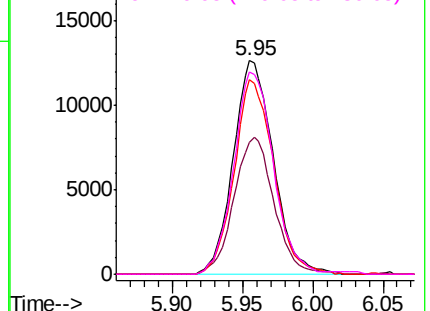
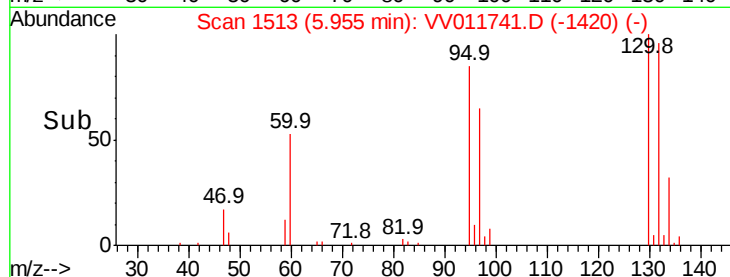
Abundance

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



#42

Toluene

Concen: 3.351 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011741.D

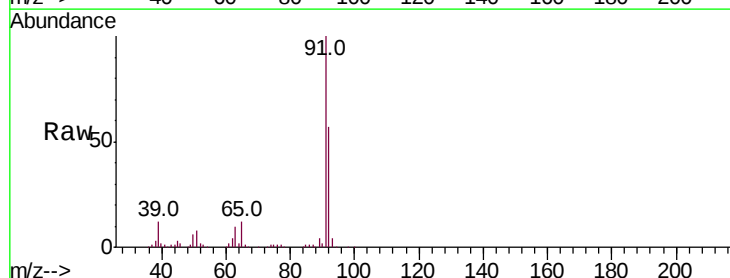
Acq: 24 Jun 2019 20:09

Tgt Ion: 91 Resp: 178565

Ion Ratio Lower Upper

91 100

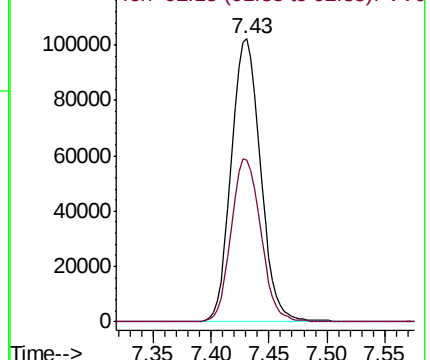
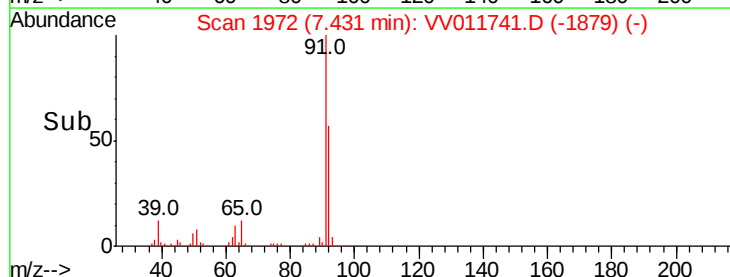
92 57.3 40.3 74.9

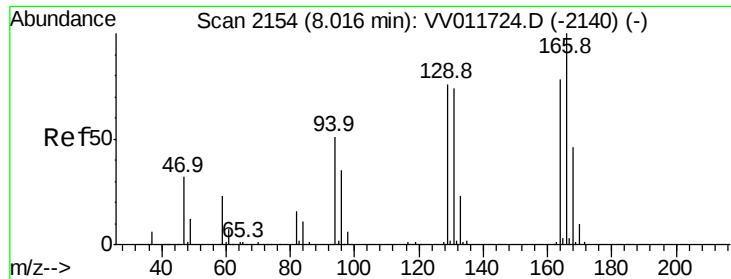


Abundance

Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#47
Tetrachloroethene
Concen: 0.717 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV011741.D
Acq: 24 Jun 2019 20:09

Instrument :
MSVOA_V
ClientSampleId :
BFCL0

Tot Ion:164 Resp: 7218
Ion Ratio Lower Upper
164 100
129 98.2 69.7 129.5
131 95.9 64.6 120.0
166 135.7 86.4 160.4

