

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072319\
 Data File : VV011982.D
 Acq On : 23 Jul 2019 23:25
 Operator : SY/MD
 Sample : K3823-21DL 10X
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K2DL

Quant Time: Jul 24 08:04:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 24 07:47:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	114854	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	111532	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	54232	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29217	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	1.59	69	23955	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	50133	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	3.94	46	111444	63.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.74%
24) Chloroform-d	4.40	84	74188	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.08	65	45789	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
32) Benzene-d6	5.10	84	153326	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.12	67	45147	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.36	98	136692	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.67	79	17647	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.13	63	89619	61.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35618	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	55725	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

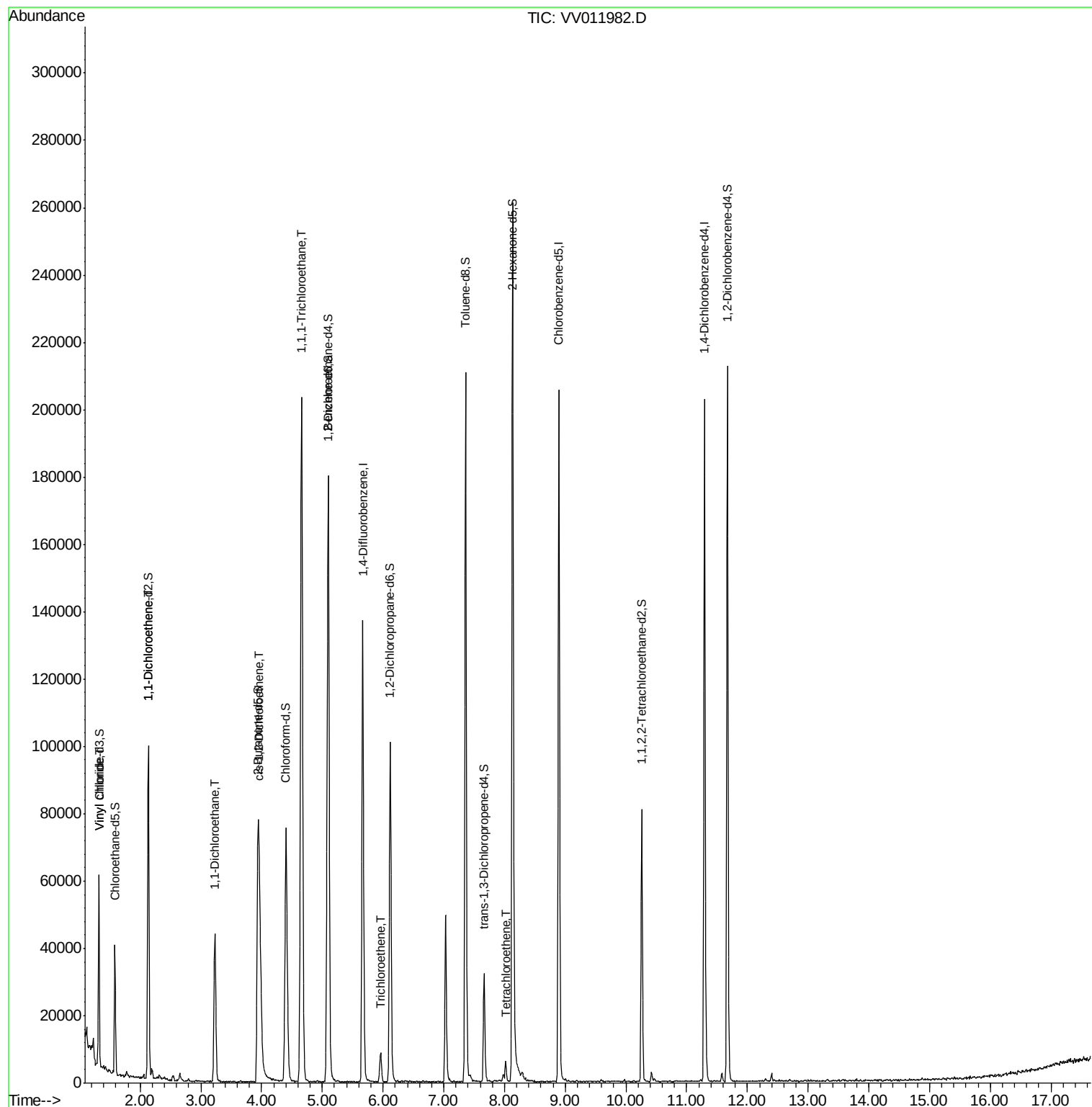
					Ovalue
5) Vinyl chloride	1.33	62	2945	0.418 ug/L #	77
12) 1,1-Dichloroethene	2.14	96	4225	0.808 ug/L #	1
19) 1,1-Dichloroethane	3.23	63	43390	3.018 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	11203	1.281 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	161104	11.286 ug/L	99
34) Trichloroethene	5.96	95	2259	0.248 ug/L	92
47) Tetrachloroethene	8.02	164	1358	0.173 ug/L	88

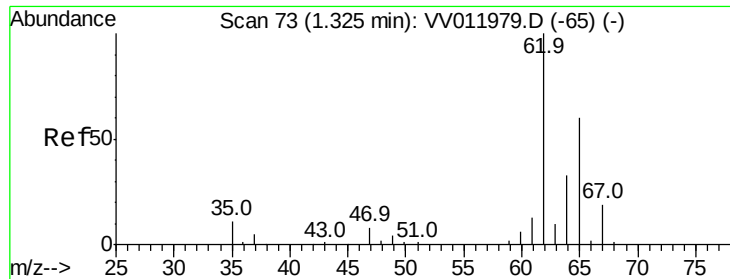
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 07:47:25 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.418 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV011982.D

Acq: 23 Jul 2019 23:25

Instrument :

MSVOA_V

ClientSampleId :

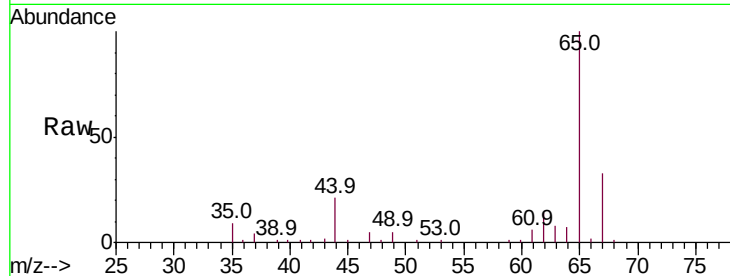
A52K2DL

Tot Ion: 62 Resp: 2945

Ion Ratio Lower Upper

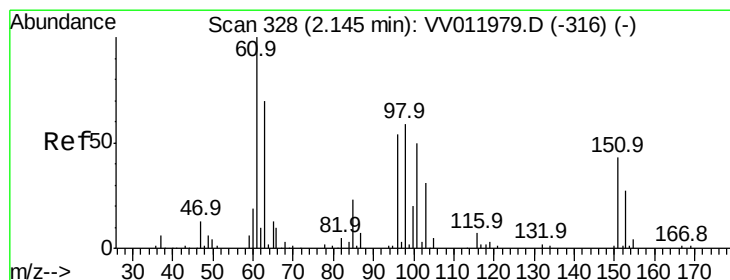
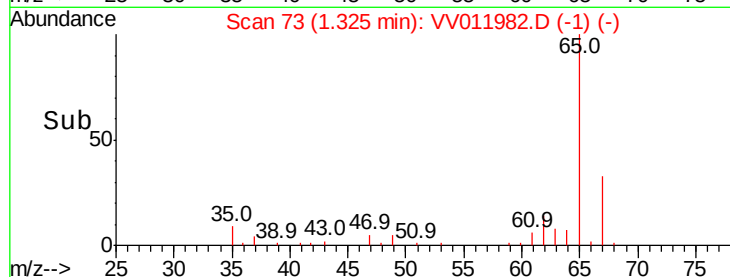
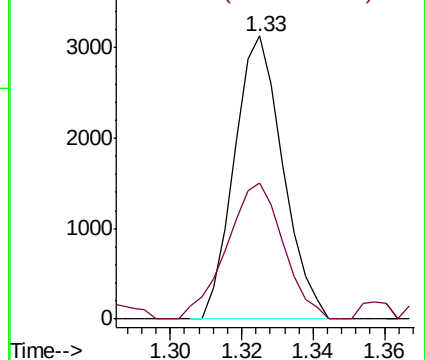
62 100

64 48.1 24.3 45.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#12

1,1-Dichloroethene

Concen: 0.808 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV011982.D

Acq: 23 Jul 2019 23:25

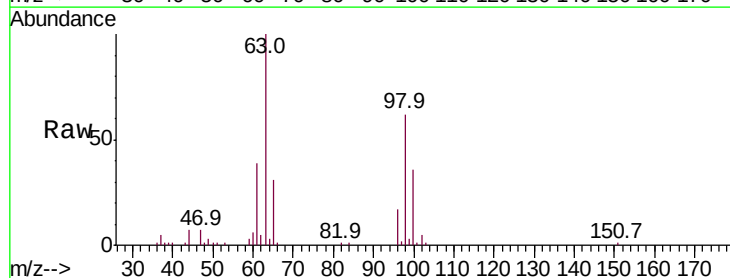
Tgt Ion: 96 Resp: 4225

Ion Ratio Lower Upper

96 100

61 237.7 132.7 246.5

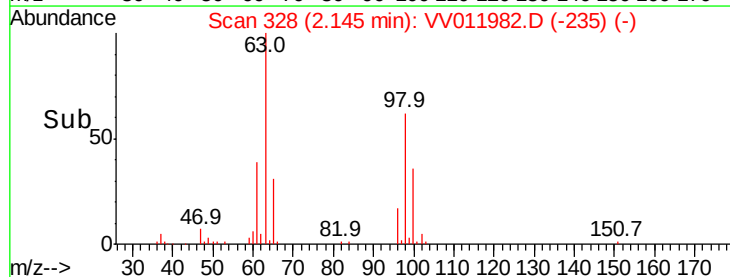
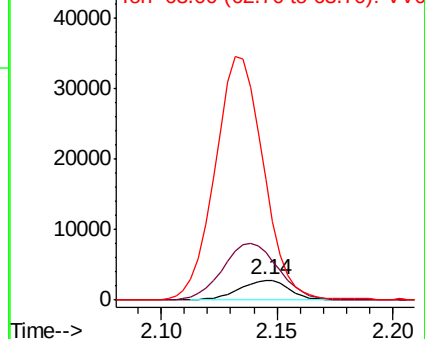
63 602.5 104.0 193.1#

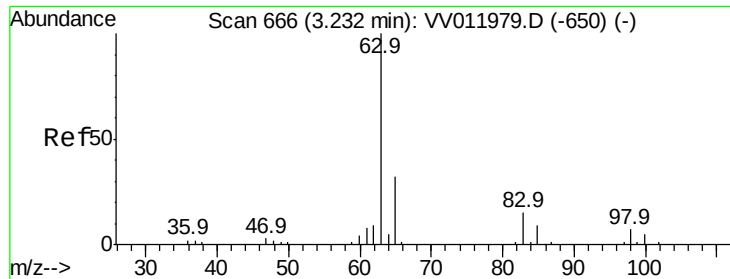


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#19

1,1-Dichloroethane

Concen: 3.018 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV011982.D

Acq: 23 Jul 2019 23:25

Instrument :

MSVOA_V

ClientSampled :

A52K2DL

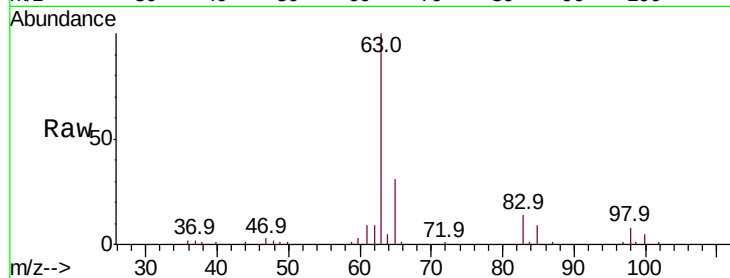
Tot Ion: 63 Resp: 43390

Ion Ratio Lower Upper

63 100

65 31.3 23.5 43.7

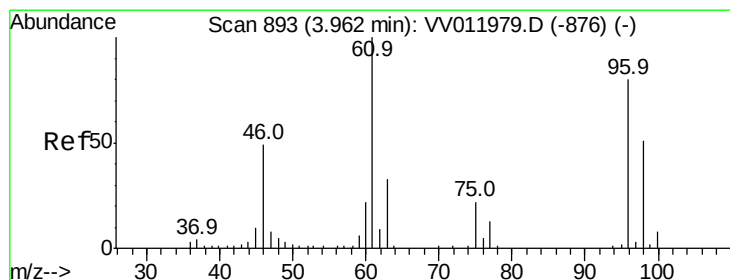
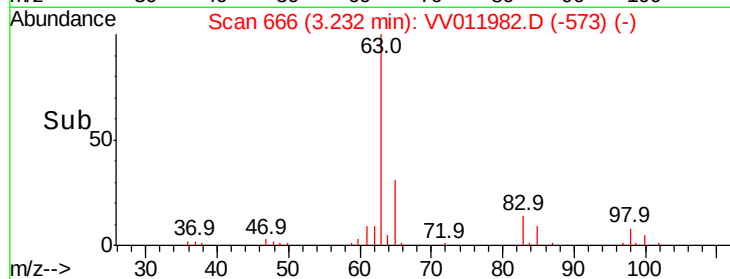
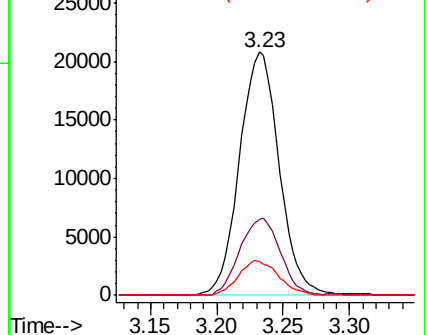
83 13.9 9.7 18.1



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: 1.281 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV011982.D

Acq: 23 Jul 2019 23:25

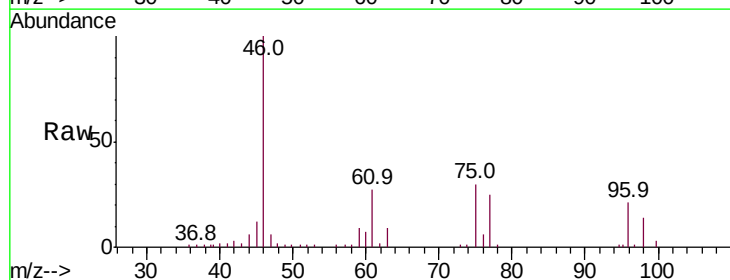
Tgt Ion: 96 Resp: 11203

Ion Ratio Lower Upper

96 100

61 129.8 89.0 165.2

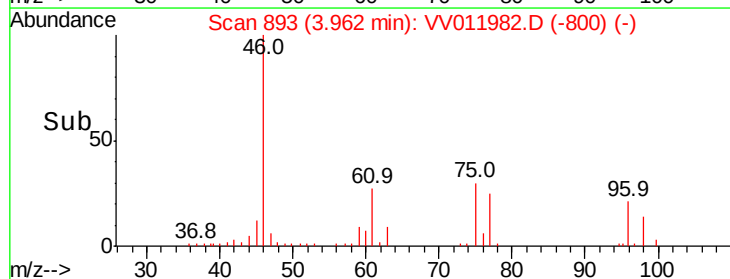
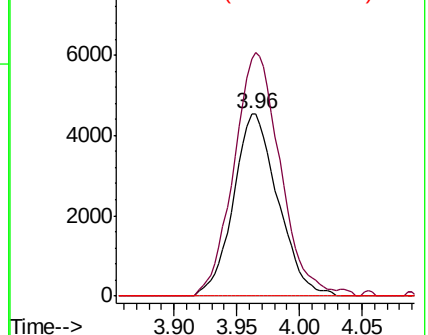
68 0.0 0.0 0.0

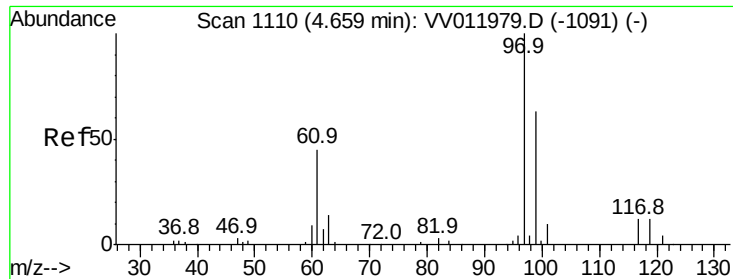


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#29

1,1,1-Trichloroethane

Concen: 11.286 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV011982.D

Acq: 23 Jul 2019 23:25

Instrument :

MSVOA_V

ClientSampled :

A52K2DL

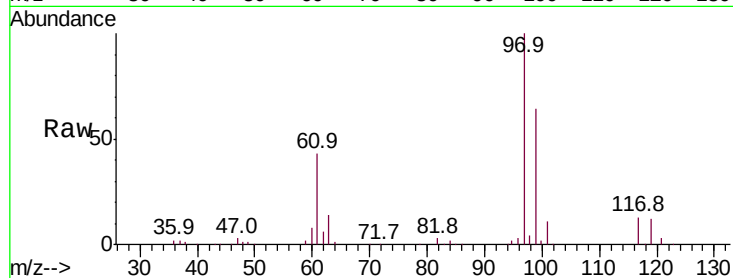
Tot Ion: 97 Resp: 161104

Ion Ratio Lower Upper

97 100

99 64.2 51.7 77.5

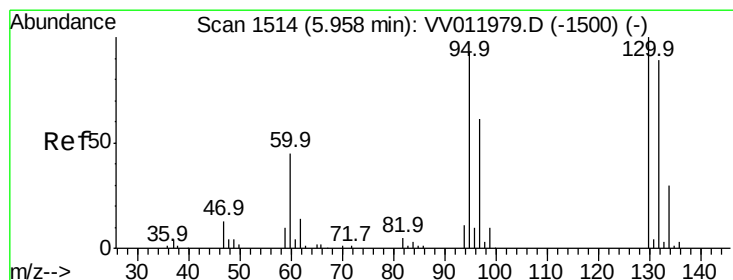
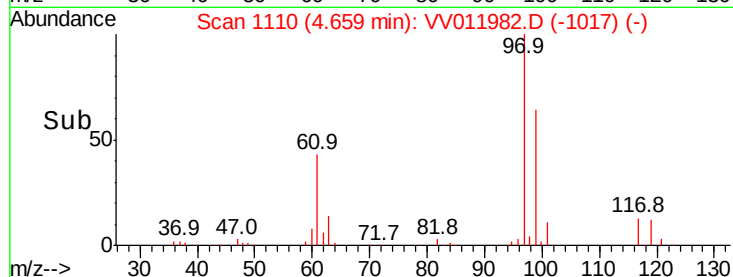
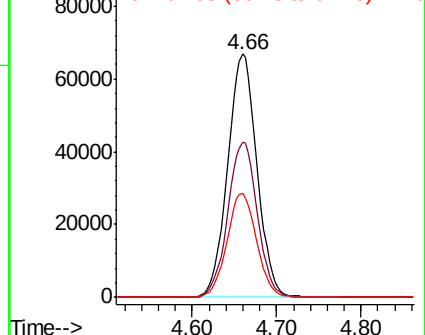
61 43.1 35.1 52.7



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: 0.248 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV011982.D

Acq: 23 Jul 2019 23:25

Tgt Ion: 95 Resp: 2259

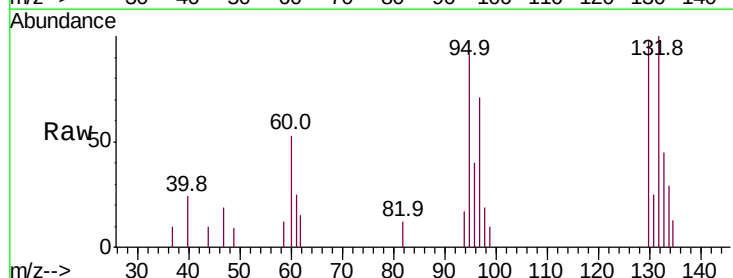
Ion Ratio Lower Upper

95 100

97 77.9 45.6 84.6

132 109.4 71.3 132.3

130 107.3 72.8 135.2

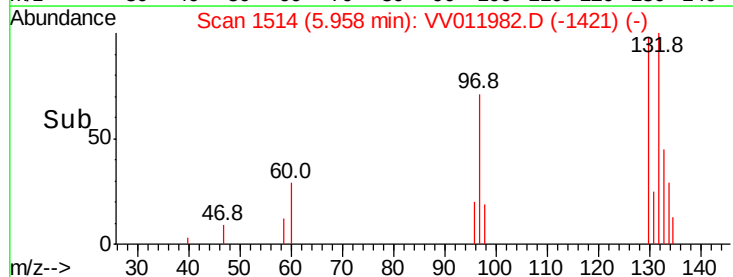
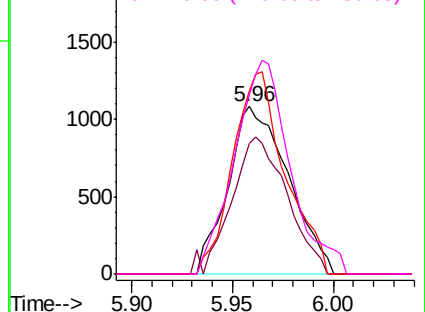


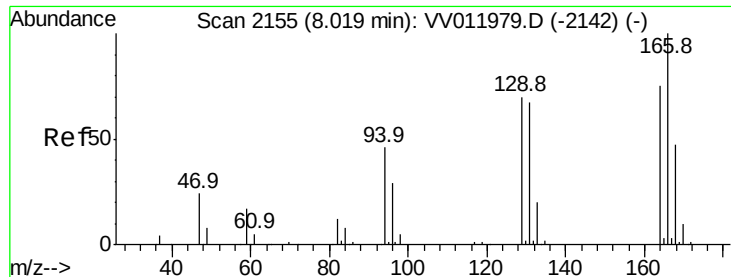
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.173 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV011982.D

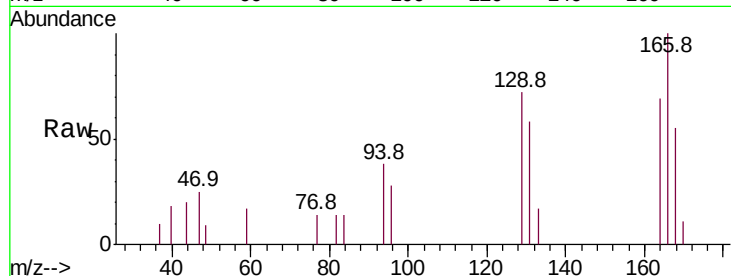
Acq: 23 Jul 2019 23:25

Instrument :

MSVOA_V

ClientSampleId :

A52K2DL



Tot Ion:164 Resp: 1358

Ion Ratio Lower Upper

164 100

129 104.7 62.5 116.1

131 83.8 58.6 108.8

166 145.6 88.2 163.8

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

