

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070920\
 Data File : VV017408.D
 Acq On : 09 Jul 2020 19:08
 Operator : SY/MD
 Sample : L3253-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4A11

Quant Time: Jul 10 05:02:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 10 04:00:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	261321	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	247385	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	119429	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59334	43.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.22%
7) Chloroethane-d5	1.58	69	43620	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.28%
11) 1,1-Dichloroethene-d2	2.12	63	101060	32.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.62%
21) 2-Butanone-d5	3.91	46	85128	91.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.61%
24) Chloroform-d	4.38	84	144617	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
26) 1,2-Dichloroethane-d4	5.06	65	105447	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.64%
32) Benzene-d6	5.08	84	256667	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.06%
36) 1,2-Dichloropropane-d6	6.09	67	75256	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.80%
41) Toluene-d8	7.34	98	240419	46.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.64	79	43635	48.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.44%
47) 2-Hexanone-d5	8.11	63	57683	91.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.33%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	100960	46.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	103326	51.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.48%

Target Compounds

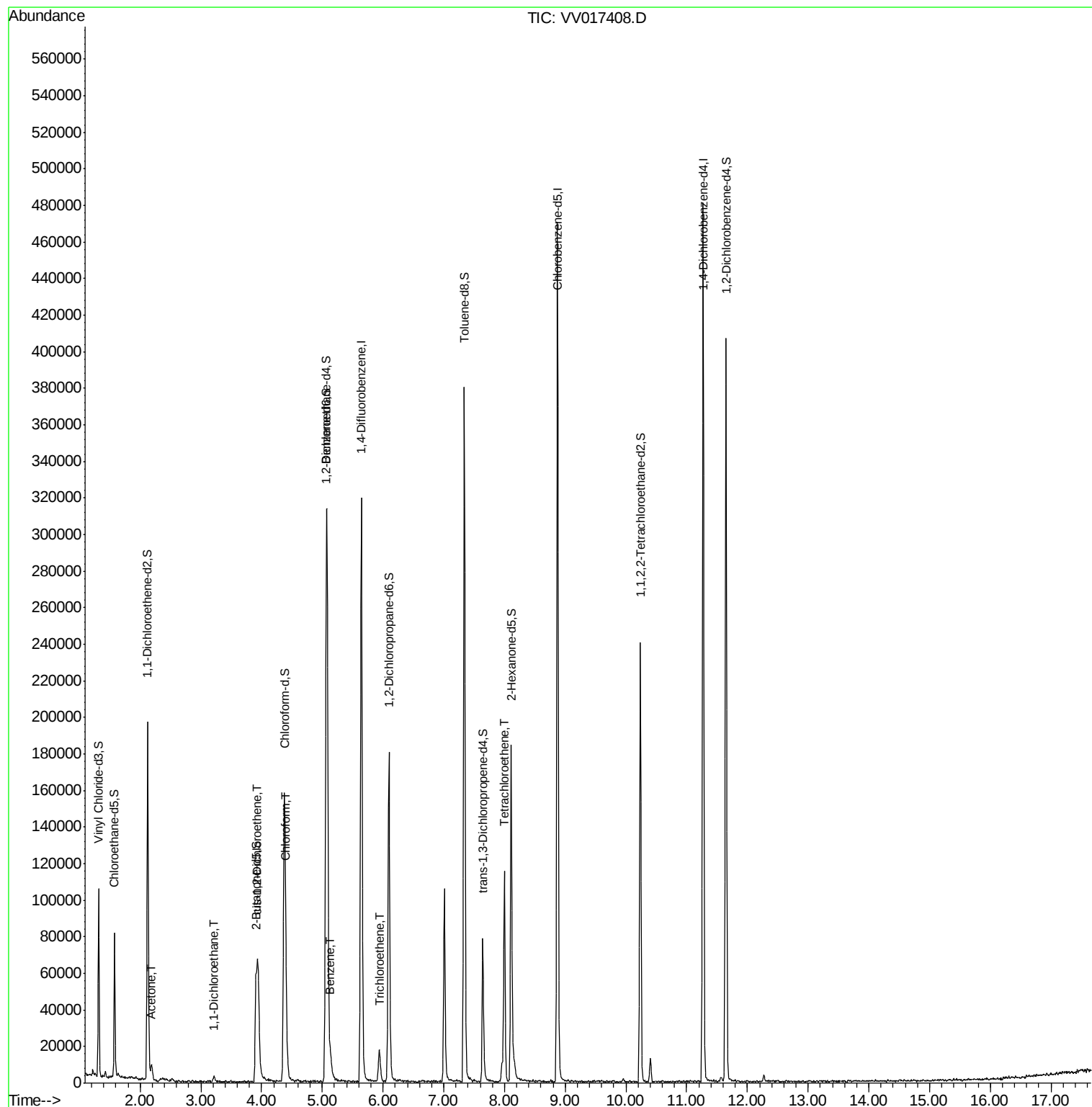
					Ovalue
13) Acetone	2.19	43	9094	7.190	ug/L 98
19) 1,1-Dichloroethane	3.22	63	2526	0.805	ug/L 93
20) cis-1,2-Dichloroethene	3.94	96	27593	15.088	ug/L 98
25) Chloroform	4.41	83	21876	6.210	ug/L 95
33) Benzene	5.13	78	14650	2.240	ug/L 100
34) Trichloroethene	5.95	95	3528	1.817	ug/L 95
46) Tetrachloroethene	8.00	164	25571	15.686	ug/L 92

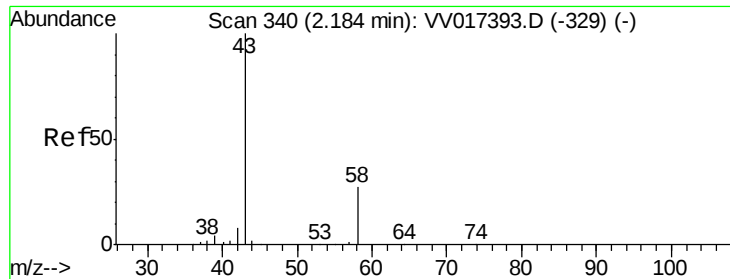
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 7.190 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV017408.D

Acq: 09 Jul 2020 19:08

Instrument :

MSVOA_V

ClientSampled :

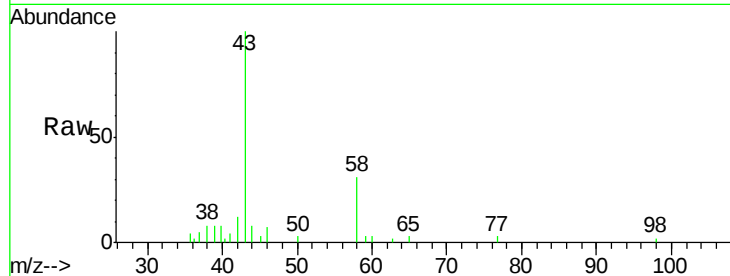
F4A11

Tot Ion: 43 Resp: 9094

Ion Ratio Lower Upper

43 100

58 29.1 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV017393.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV017393.D (-329) (-)

2.19

4000

3000

2000

1000

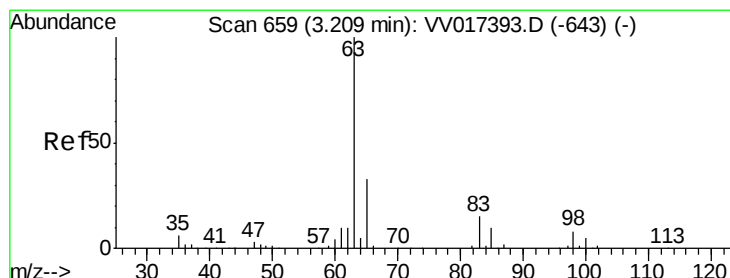
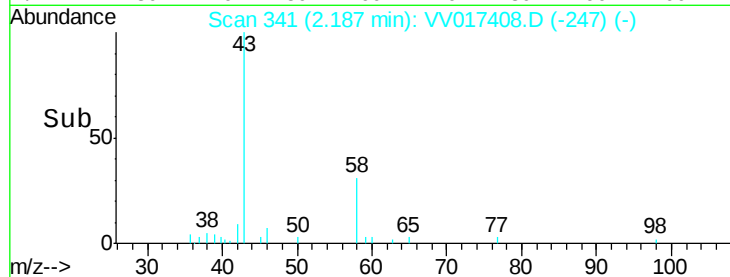
0

2.15

2.20

2.25

Time-->



#19

1,1-Dichloroethane

Concen: 0.805 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV017408.D

Acq: 09 Jul 2020 19:08

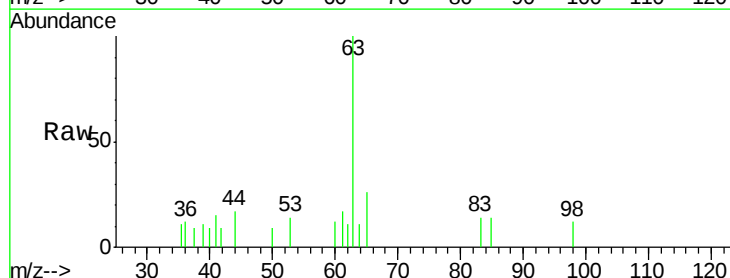
Tgt Ion: 63 Resp: 2526

Ion Ratio Lower Upper

63 100

65 26.1 22.1 41.1

83 14.0 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV017393.D (-643) (-)

Ion 65.00 (64.70 to 65.70): VV017393.D (-643) (-)

Ion 83.00 (82.70 to 83.70): VV017393.D (-643) (-)

1500

1000

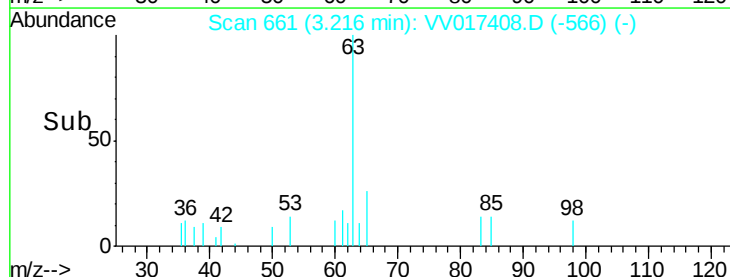
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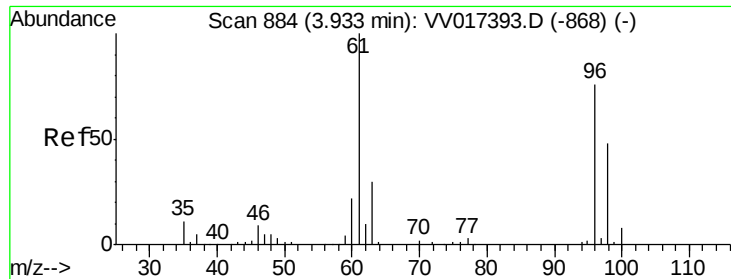
0

3.20

3.25

Time-->

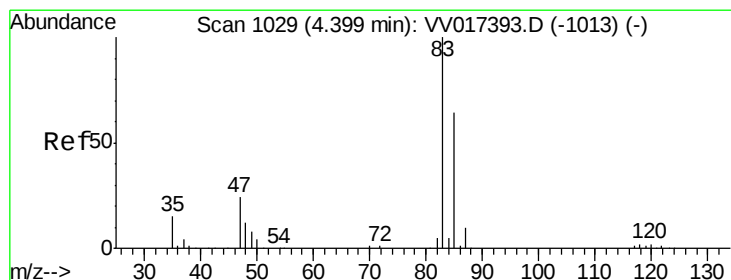
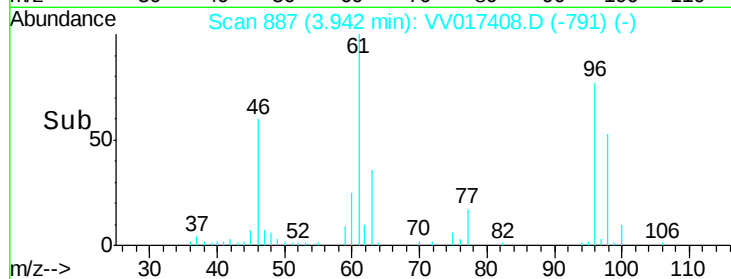
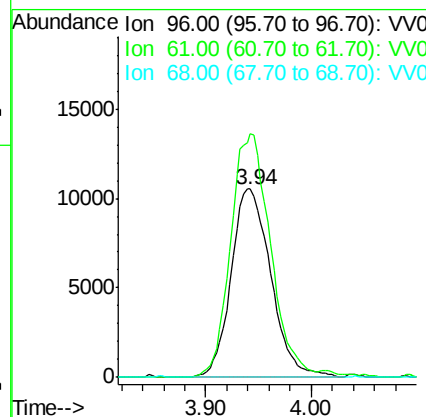
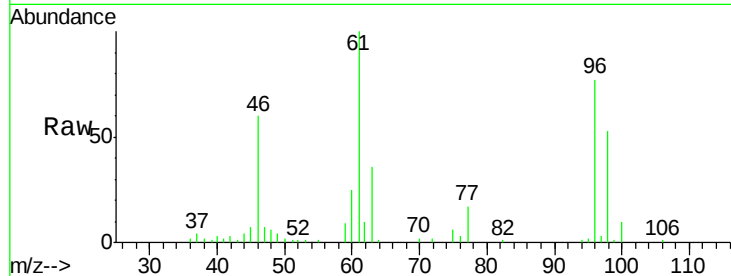




#20
 cis-1,2-Dichloroethene
 Concen: 15.088 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV017408.D
 Acq: 09 Jul 2020 19:08

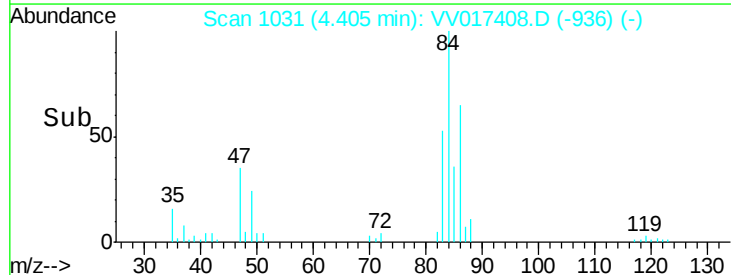
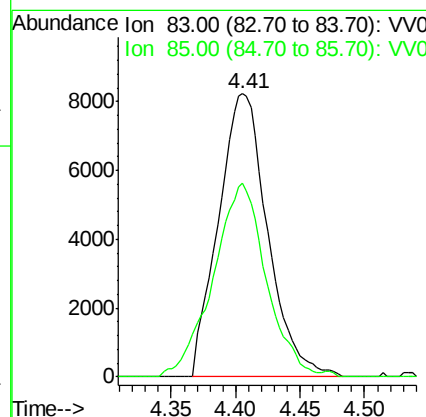
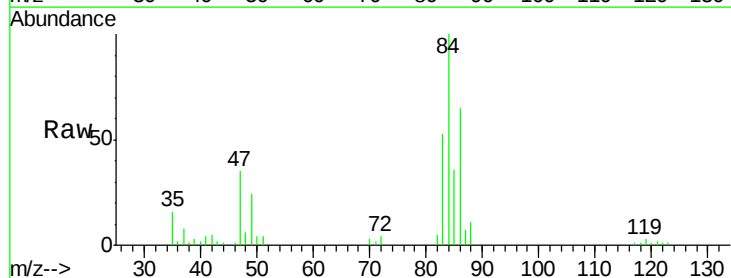
Instrument :
 MSVOA_V
 ClientSampleId :
 F4A11

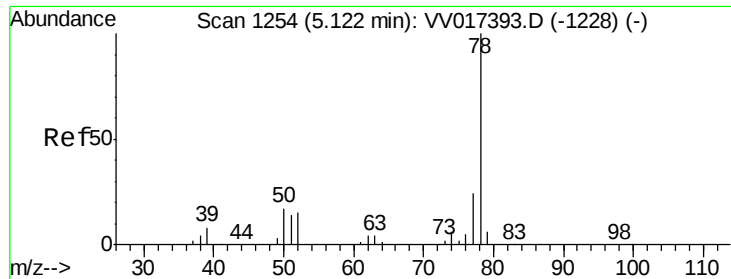
Tot Ion: 96 Resp: 27593
 Ion Ratio Lower Upper
 96 100
 61 129.1 88.9 165.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 6.210 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VV017408.D
 Acq: 09 Jul 2020 19:08

Tgt Ion: 83 Resp: 21876
 Ion Ratio Lower Upper
 83 100
 85 68.5 45.1 83.9





#33

Benzene

Concen: 2.240 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV017408.D

Acq: 09 Jul 2020 19:08

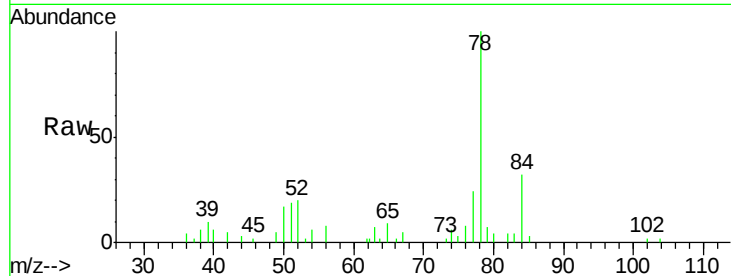
Instrument :

MSVOA_V

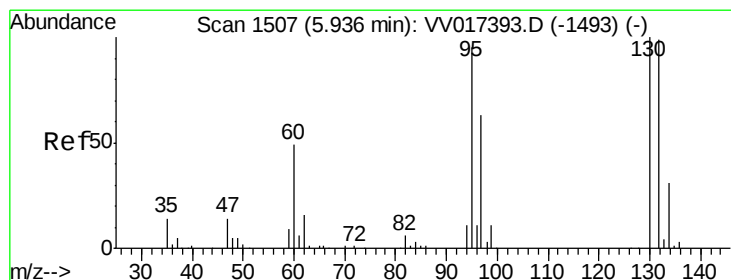
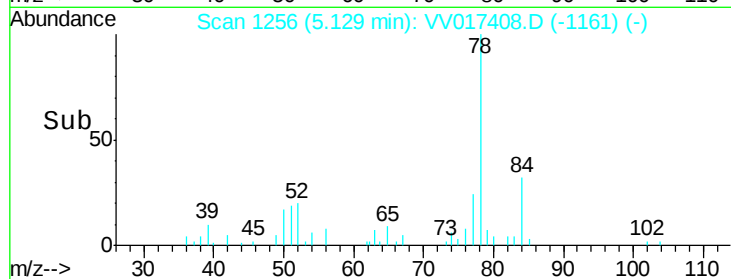
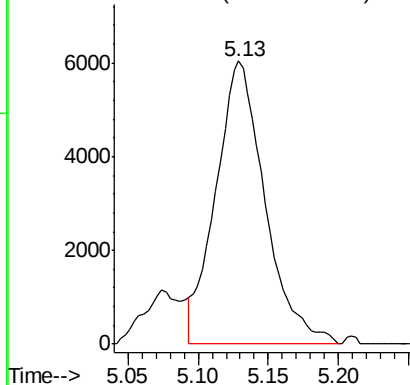
ClientSampleId :

F4A11

Tgt Ion: 78 Resp: 14650



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 1.817 ug/L

RT: 5.95 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VV017408.D

Acq: 09 Jul 2020 19:08

Tgt Ion: 95 Resp: 3528

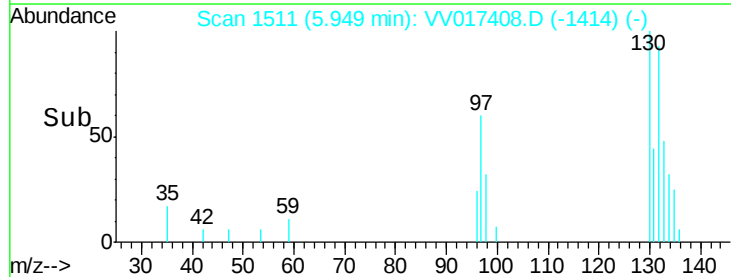
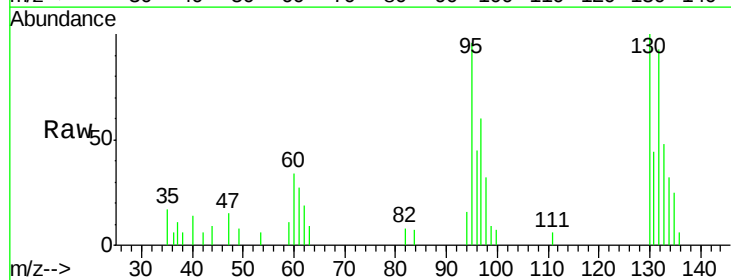
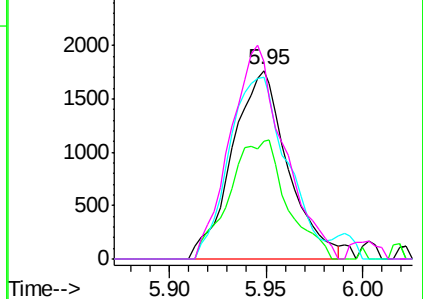
Ion	Ratio	Lower	Upper
95	100		
97	62.6	45.6	84.6
132	96.7	74.1	137.5
130	104.4	75.5	140.3

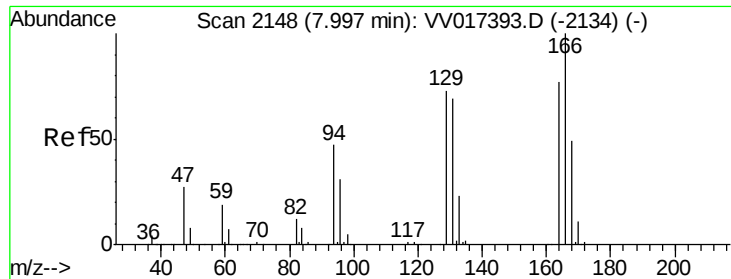
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#46

Tetrachloroethene

Concen: 15.686 ug/L

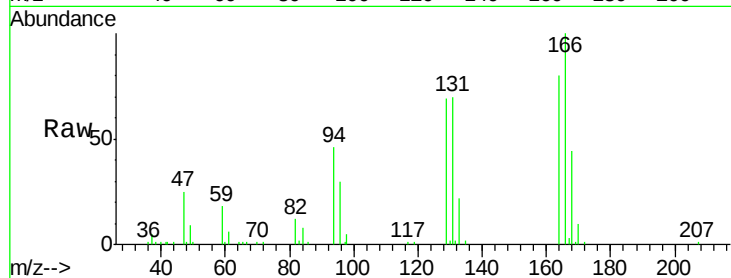
RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV017408.D

Acq: 09 Jul 2020 19:08

Instrument :
MSVOA_V
ClientSampleId :
F4A11



Tot Ion:164 Resp: 25571

Ion Ratio Lower Upper

164 100

129 86.1 66.6 123.8

131 87.5 65.5 121.7

166 125.4 93.9 174.5

Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

