

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015424.D
 Acq On : 09 Apr 2020 17:05
 Operator : SY/MD
 Sample : L2216-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0Y09

Quant Time: Apr 10 05:27:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 04:24:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	117883	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	111620	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	54252	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	28564	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.58	69	27275	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.12	63	42497	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	3.93	46	95884	55.83	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.66%
24) Chloroform-d	4.38	84	62951	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.06	65	36864	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.08	84	124609	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.10	67	40163	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.34	98	115180	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	7.64	79	15848	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.11	63	79835	49.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	29073	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	44356	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

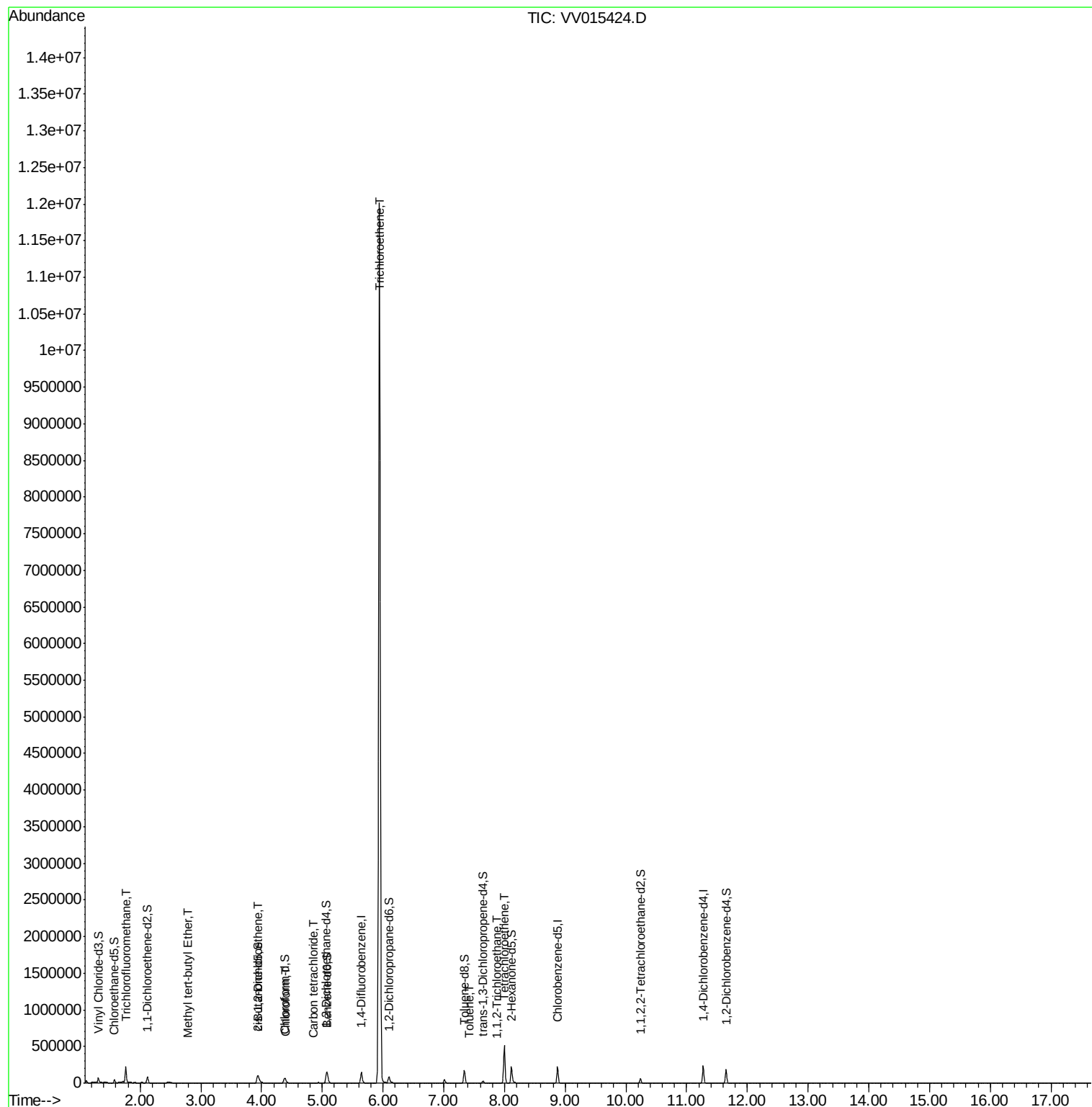
					Ovalue
9) Trichlorofluoromethane	1.76	101	128551	9.391	ug/L 100
17) Methyl tert-butyl Ether	2.79	73	2568	0.130	ug/L # 69
22) cis-1,2-Dichloroethene	3.94	96	32261	3.726	ug/L 94
25) Chloroform	4.41	83	11361	0.706	ug/L 95
31) Carbon tetrachloride	4.86	117	2870	0.228	ug/L 99
34) Trichloroethene	5.94	95	4140971	460.520	ug/L 100
42) Toluene	7.42	91	2470	0.068	ug/L 88
45) 1,1,2-Trichloroethane	7.87	97	580	0.104	ug/L 89
47) Tetrachloroethene	8.00	164	107088	16.074	ug/L 98

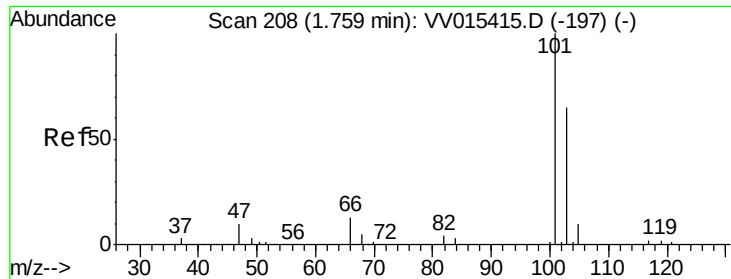
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
Data File : VV015424.D
Acq On : 09 Apr 2020 17:05
Operator : SY/MD
Sample : L2216-03
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0Y09

Quant Time: Apr 10 05:27:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 10 04:24:06 2020
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 9.391 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015424.D

Acq: 09 Apr 2020 17:05

Instrument :

MSVOA_V

ClientSampled :

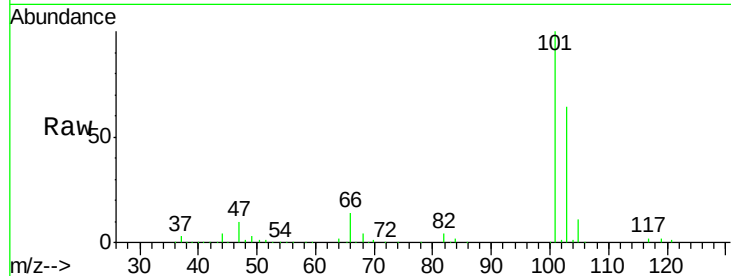
C0Y09

Tot Ion:101 Resp: 128551

Ion Ratio Lower Upper

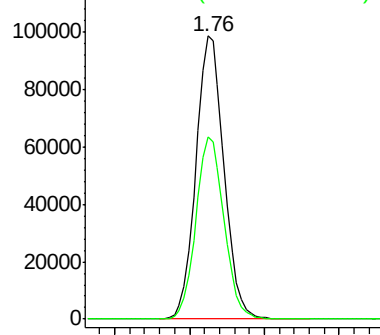
101 100

103 64.7 51.9 77.9

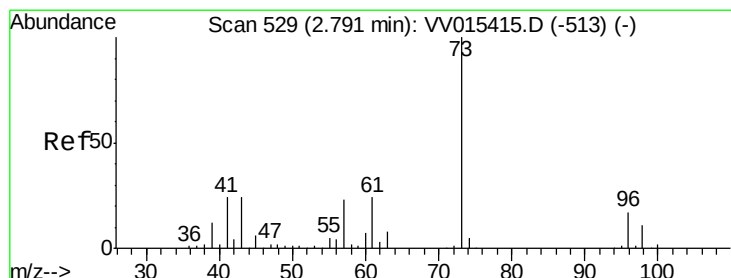
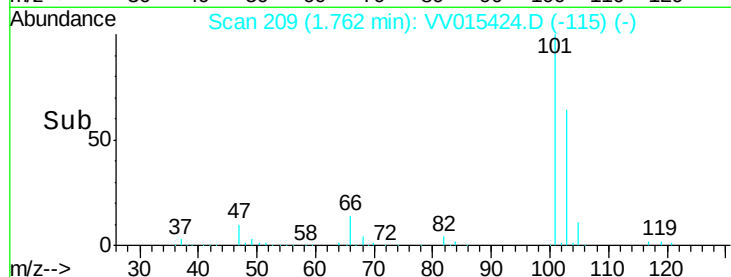


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->



#17

Methyl tert-butyl Ether

Concen: 0.130 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV015424.D

Acq: 09 Apr 2020 17:05

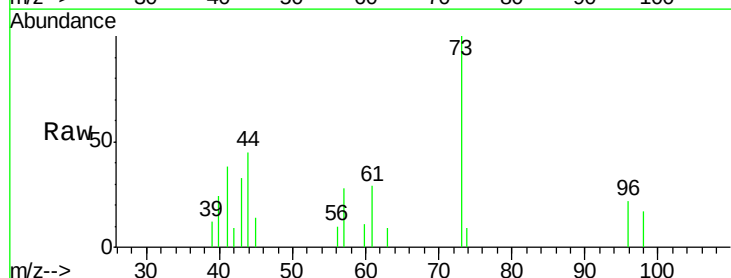
Tgt Ion: 73 Resp: 2568

Ion Ratio Lower Upper

73 100

43 45.8 18.3 27.5#

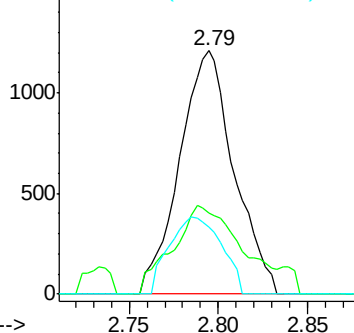
57 30.5 18.4 27.6#



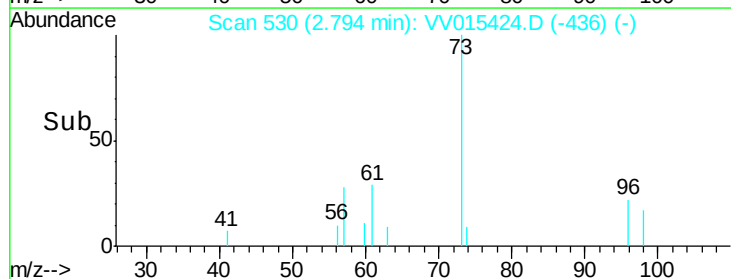
Abundance Ion 73.10 (72.80 to 73.80): VV0

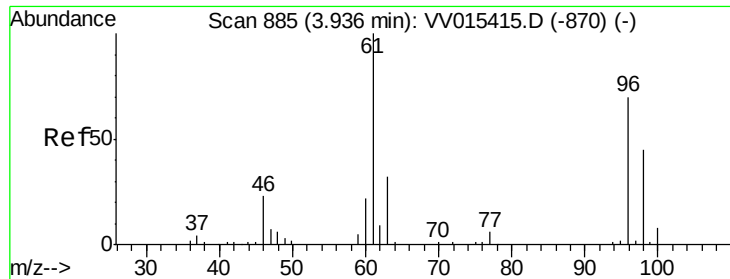
Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



Time-->



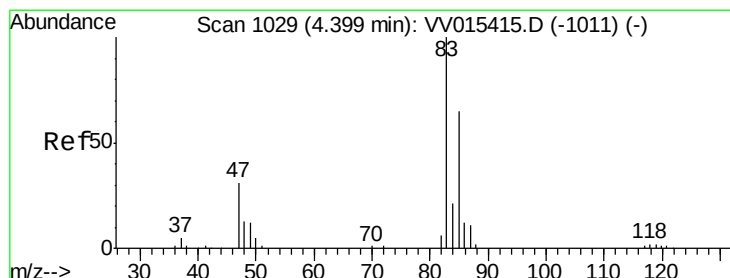
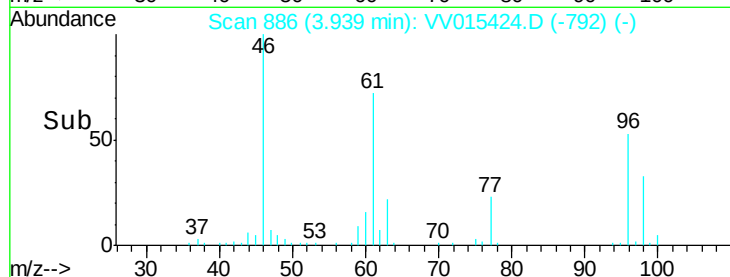
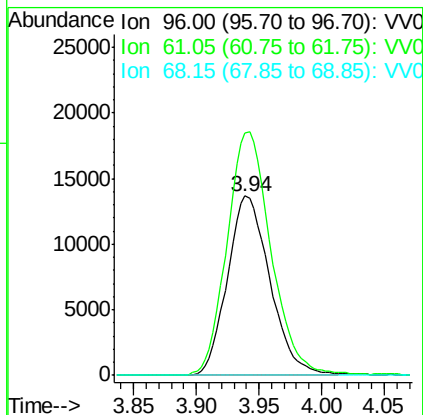
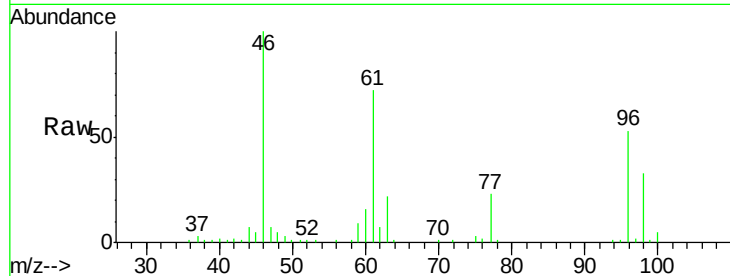


#22

cis-1,2-Dichloroethene
 Concen: 3.726 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015424.D
 Acq: 09 Apr 2020 17:05

Instrument :
 MSVOA_V
 ClientSampleId :
 C0Y09

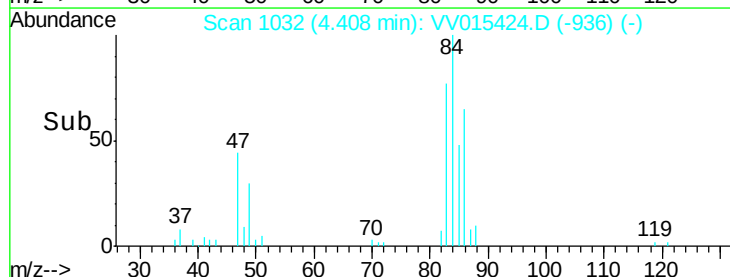
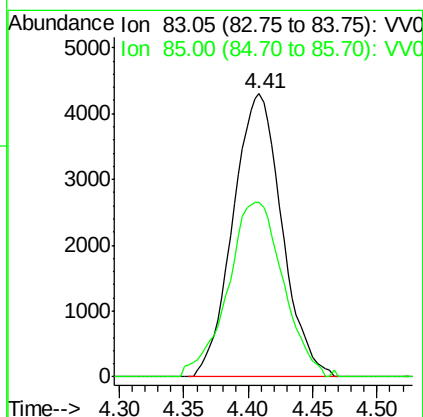
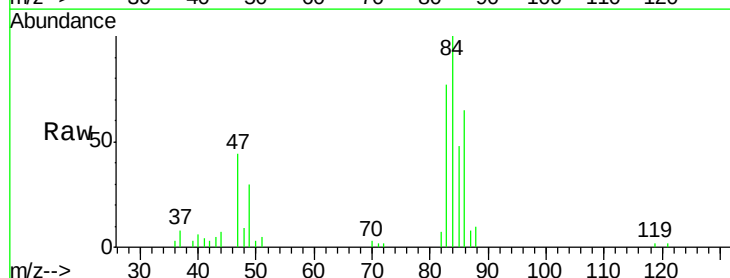
Tot Ion: 96 Resp: 32261
 Ion Ratio Lower Upper
 96 100
 61 135.3 100.0 185.8
 68 0.0 0.0 0.0

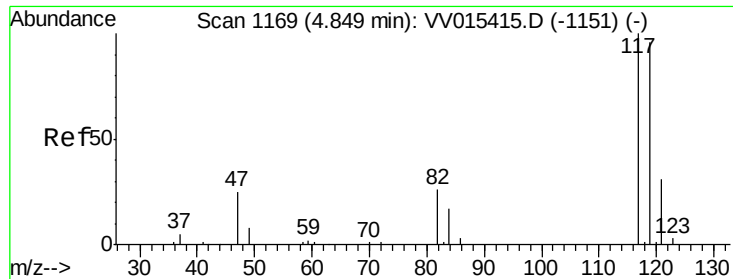


#25

Chloroform
 Concen: 0.706 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV015424.D
 Acq: 09 Apr 2020 17:05

Tgt Ion: 83 Resp: 11361
 Ion Ratio Lower Upper
 83 100
 85 61.7 45.9 85.3





#31

Carbon tetrachloride

Concen: 0.228 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV015424.D

Acq: 09 Apr 2020 17:05

Instrument :

MSVOA_V

ClientSampleId :

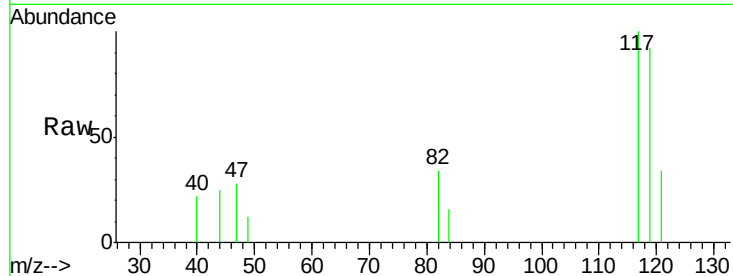
C0Y09

Tot Ion:117 Resp: 2870

Ion Ratio Lower Upper

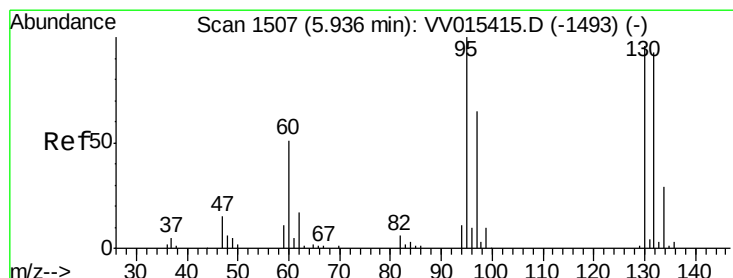
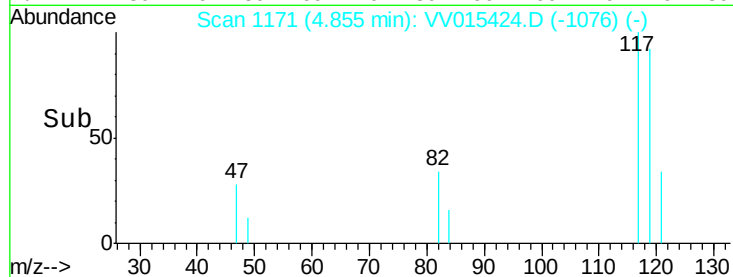
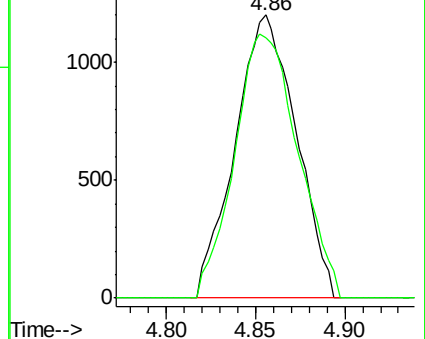
117 100

119 96.7 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 460.520 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015424.D

Acq: 09 Apr 2020 17:05

Tgt Ion: 95 Resp: 4140971

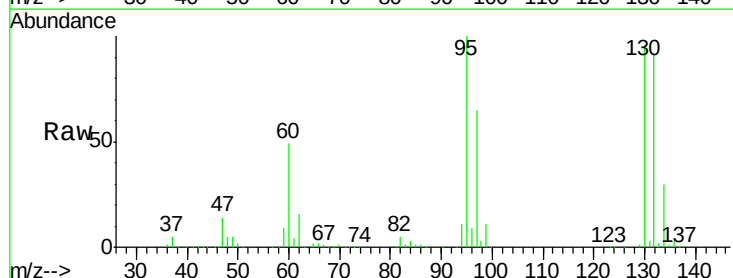
Ion Ratio Lower Upper

95 100

97 65.2 45.4 84.4

132 92.5 64.8 120.4

130 96.4 67.4 125.2

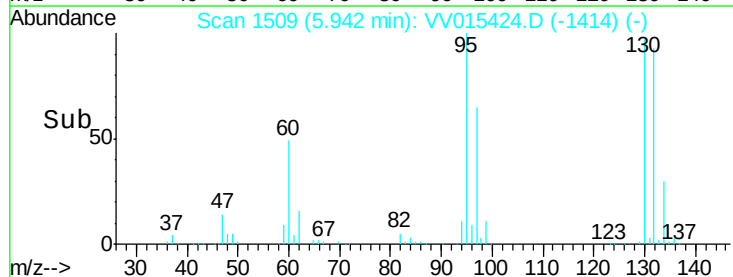
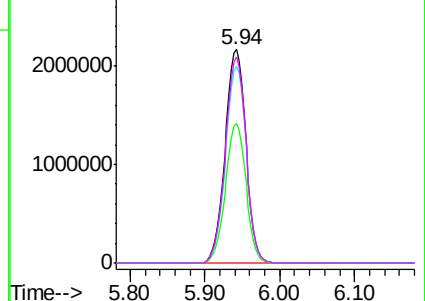


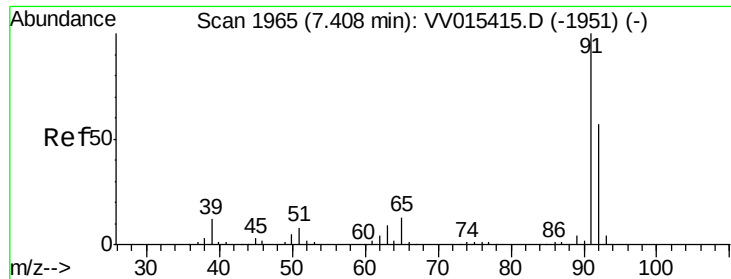
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#42

Toluene

Concen: 0.068 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV015424.D

Acq: 09 Apr 2020 17:05

Instrument :

MSVOA_V

ClientSampleId :

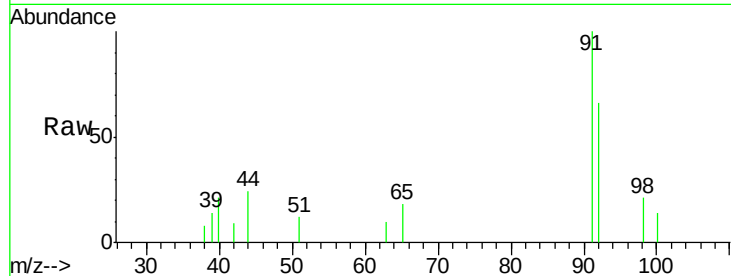
C0Y09

Tot Ion: 91 Resp: 2470

Ion Ratio Lower Upper

91 100

92 66.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.42

1500

1000

500

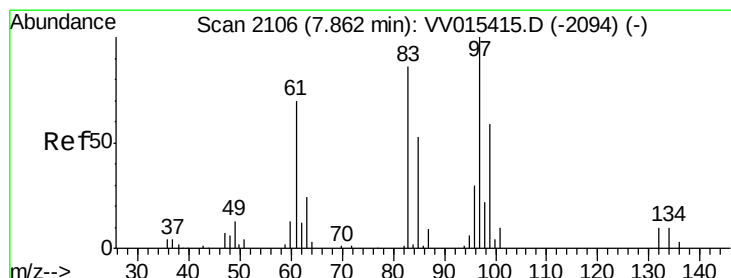
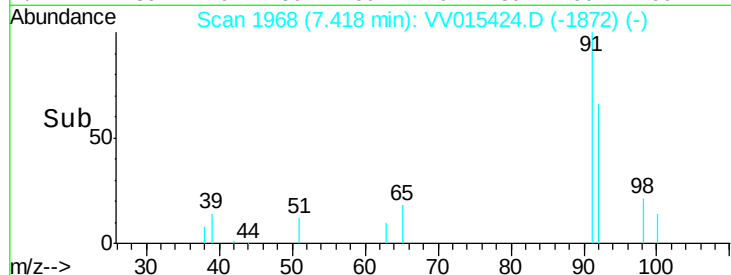
0

Time-->

7.35

7.40

7.45



#45

1,1,2-Trichloroethane

Concen: 0.104 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV015424.D

Acq: 09 Apr 2020 17:05

Tgt Ion: 97 Resp: 580

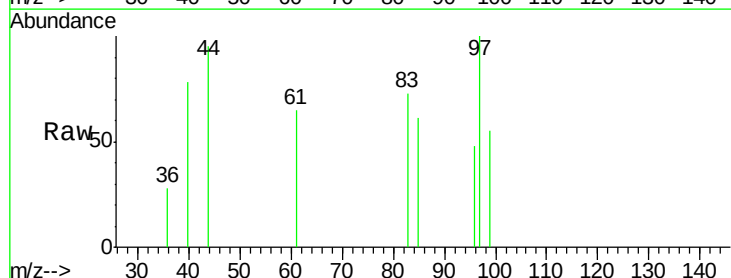
Ion Ratio Lower Upper

97 100

99 55.1 41.3 76.7

83 72.6 60.5 112.3

85 61.2 36.8 68.4



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

600

500

400

300

200

100

0

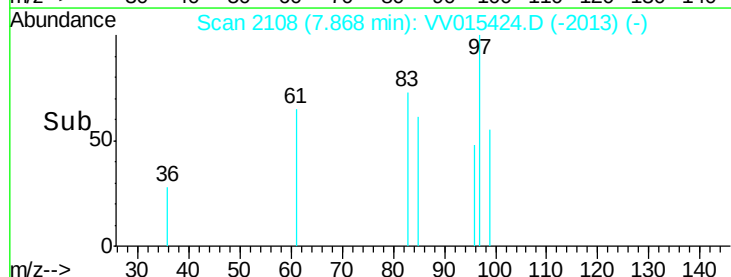
Time-->

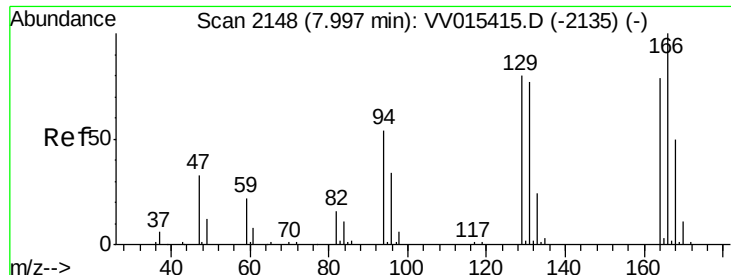
7.84

7.86

7.88

7.90





#47

Tetrachloroethene

Concen: 16.074 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015424.D

Acq: 09 Apr 2020 17:05

Instrument :
MSVOA_V
ClientSampleId :
C0Y09

Tot Ion:164 Resp: 107088

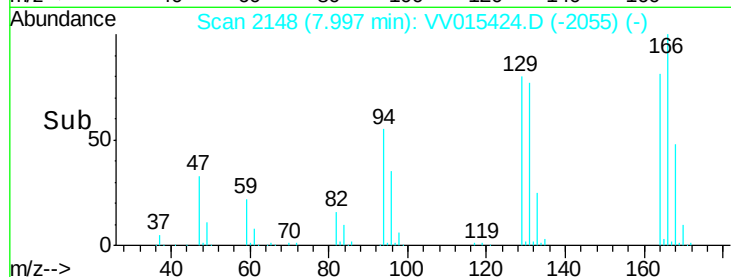
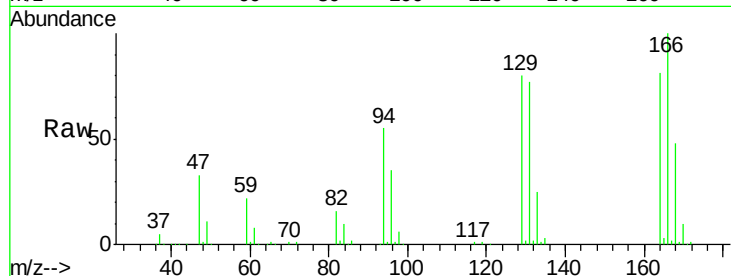
Ion Ratio Lower Upper

164 100

129 99.3 70.6 131.0

131 95.1 68.3 126.8

166 124.0 88.3 163.9



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

