

Data File : VV010618.D
Acq On : 01 May 2019 21:33
Operator : SY/MD
Sample : K2590-17 10X
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0XC4

Quant Time: May 02 08:25:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 08:18:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	76311	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	77567	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	30272	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21516	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	16730	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.80%
11) 1,1-Dichloroethene-d2	2.13	63	32991	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	3.96	46	60882	57.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.60%
24) Chloroform-d	4.40	84	48897	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.08	65	25885	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.10	84	105423	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
36) 1,2-Dichloropropane-d6	6.12	67	31249	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.36	98	92643	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.67	79	9541	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.14	63	49451	58.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	20979	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	32094	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

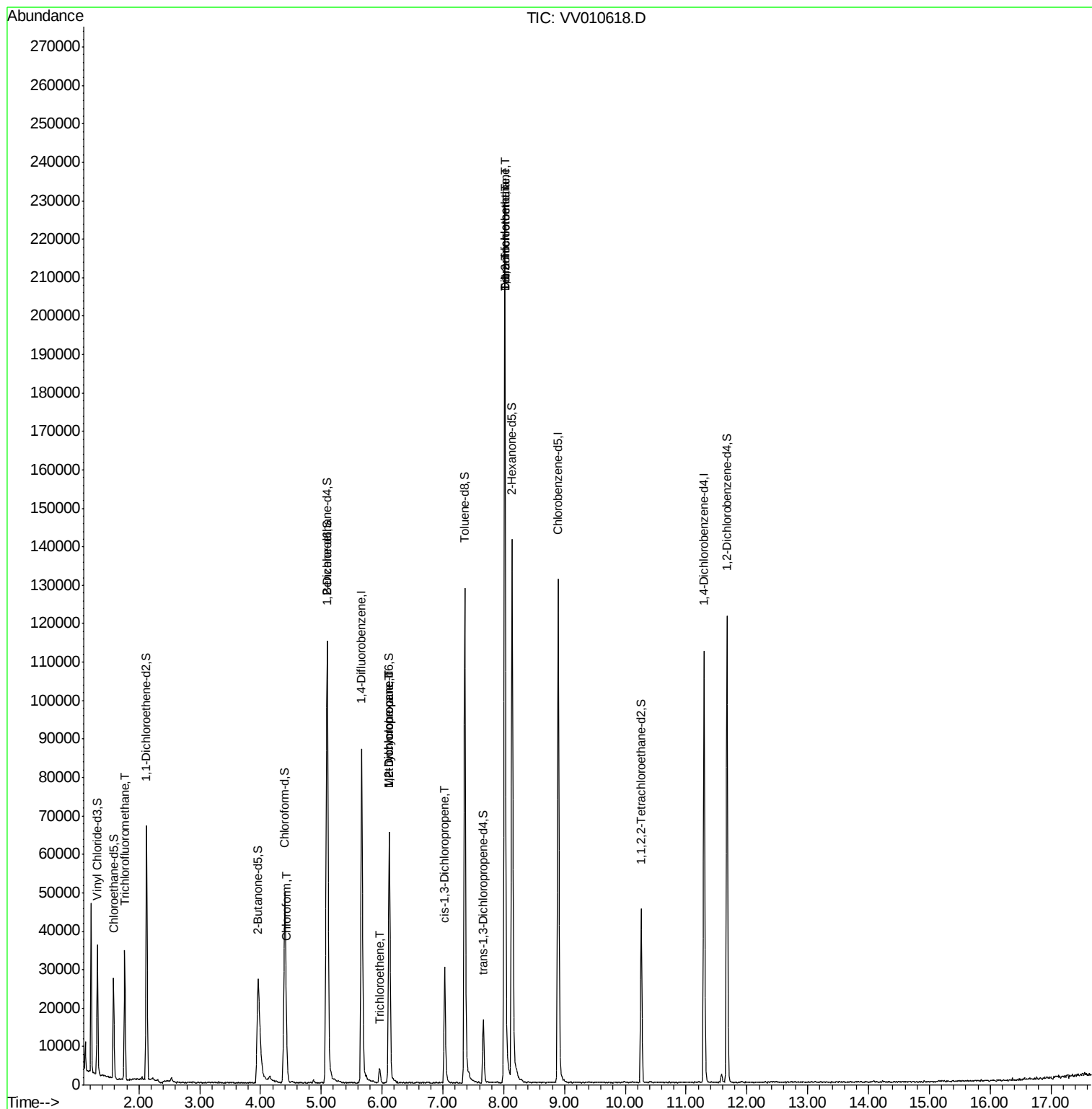
					Qvalue
9) Trichlorofluoromethane	1.77	101	18913	1.984 ug/L	96
25) Chloroform	4.43	83	3567	0.349 ug/L	95
34) Trichloroethene	5.96	95	1325	0.220 ug/L #	80
35) Methylcyclohexane	6.12	83	7015	0.805 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	3569	0.683 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	765	0.108 ug/L #	79
45) 1,1,2-Trichloroethane	8.02	97	406	0.109 ug/L #	9
47) Tetrachloroethene	8.02	164	53449	11.252 ug/L	99
49) Dibromochloromethane	8.02	129	48598	11.246 ug/L #	11

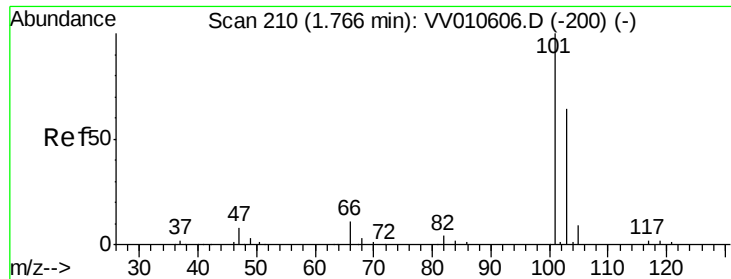
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 1.984 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

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Acq: 01 May 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

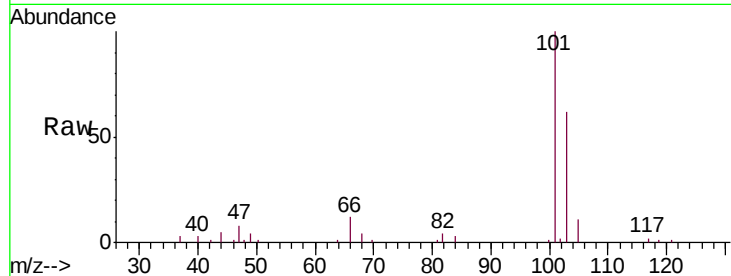
C0XC4

Tgt Ion: 101 Resp: 18913

Ion Ratio Lower Upper

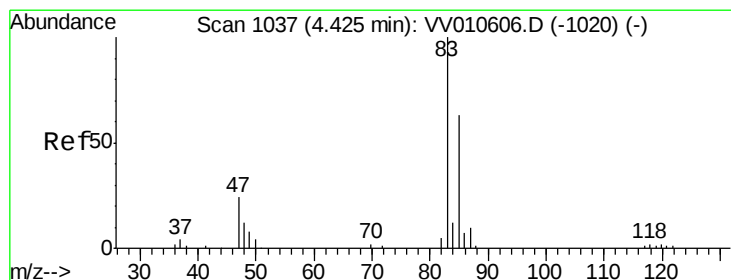
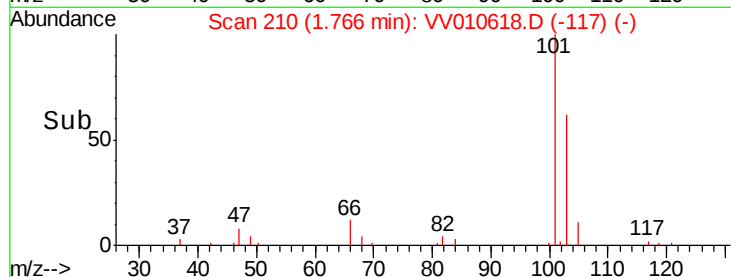
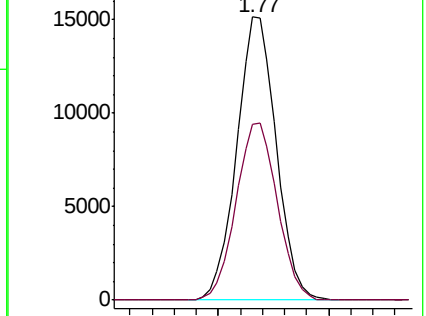
101 100

103 65.1 49.5 74.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#25

Chloroform

Concen: 0.349 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV010618.D

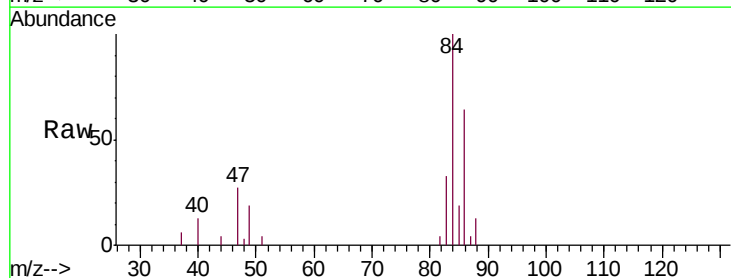
Acq: 01 May 2019 21:33

Tgt Ion: 83 Resp: 3567

Ion Ratio Lower Upper

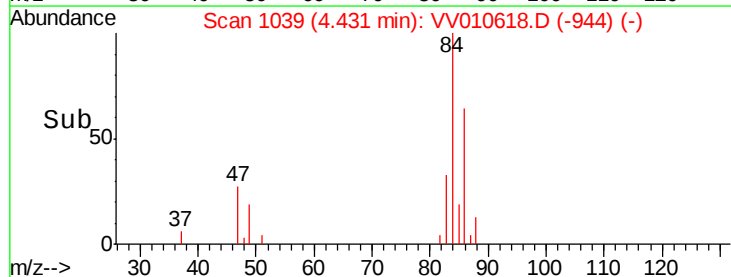
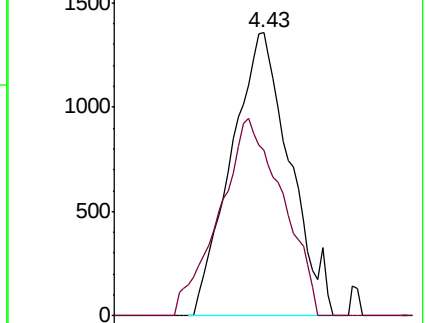
83 100

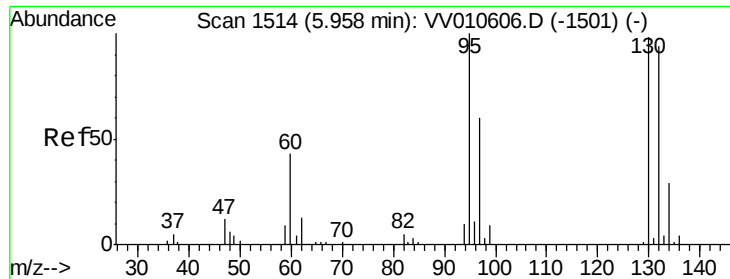
85 58.4 43.7 81.1



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 0.220 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010618.D

Acq: 01 May 2019 21:33

Instrument :

MSVOA_V

ClientSampled :

C0XC4

Tgt Ion: 95 Resp: 1325

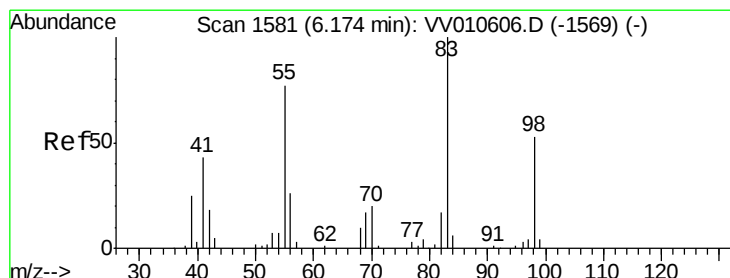
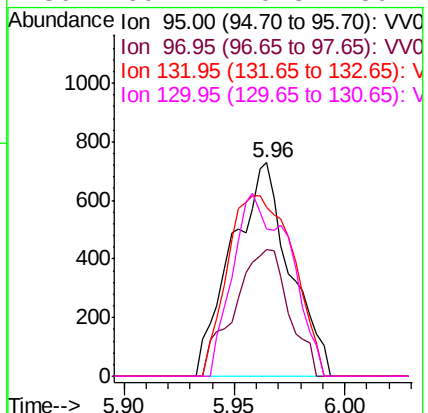
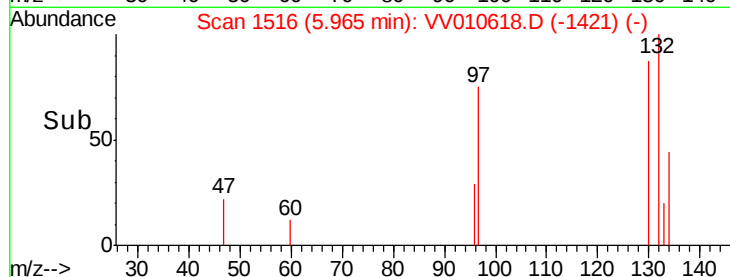
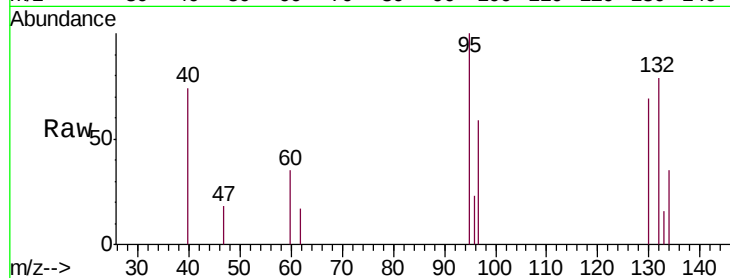
Ion Ratio Lower Upper

95 100

97 59.3 42.4 78.6

132 79.3 69.3 128.7

130 69.1 70.3 130.7#



#35

Methylcyclohexane

Concen: 0.805 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV010618.D

Acq: 01 May 2019 21:33

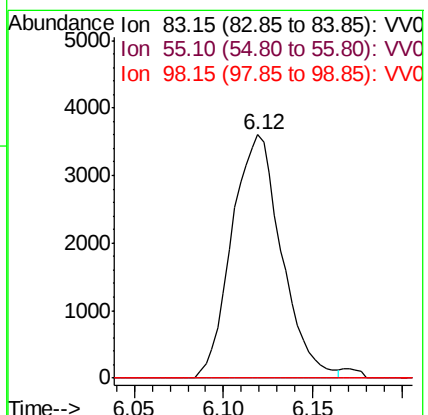
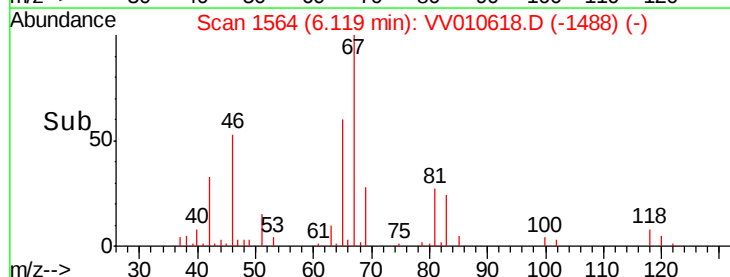
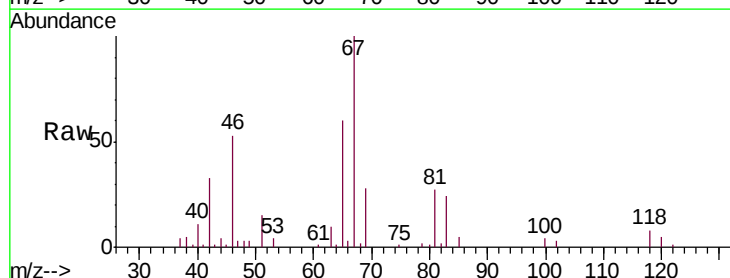
Tgt Ion: 83 Resp: 7015

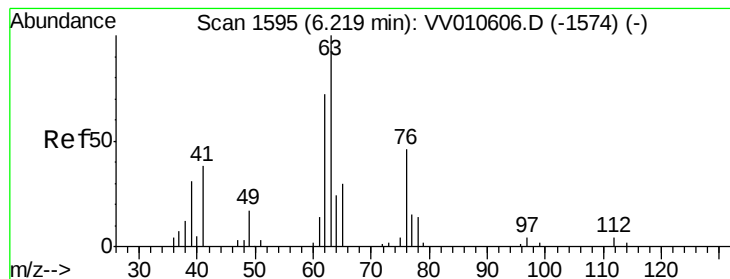
Ion Ratio Lower Upper

83 100

55 0.0 63.4 95.0#

98 0.0 38.7 58.1#





#37

1,2-Dichloropropane

Concen: 0.683 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV010618.D

Acq: 01 May 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

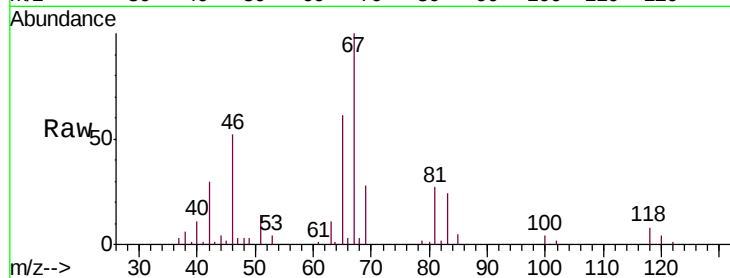
C0XC4

Tgt Ion: 63 Resp: 3569

Ion Ratio Lower Upper

63 100

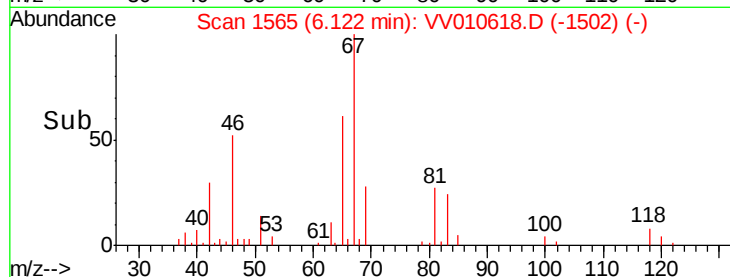
112 0.0 3.5 5.3#



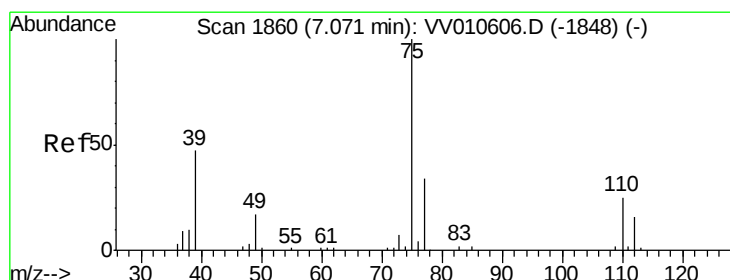
Abundance Ion 63.10 (62.80 to 63.80): VV010618.D (-1565) (-)

Ion 112.10 (111.80 to 112.80): VV010618.D (-1565) (-)

Time-->



Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV010618.D

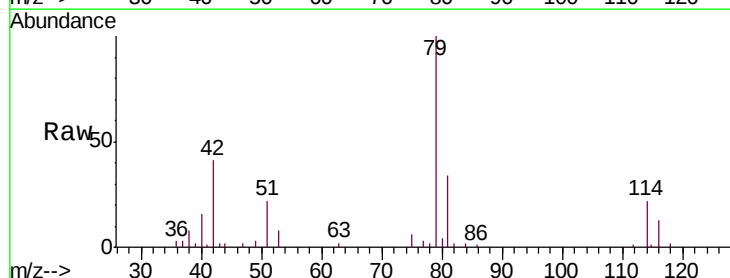
Acq: 01 May 2019 21:33

Tgt Ion: 75 Resp: 765

Ion Ratio Lower Upper

75 100

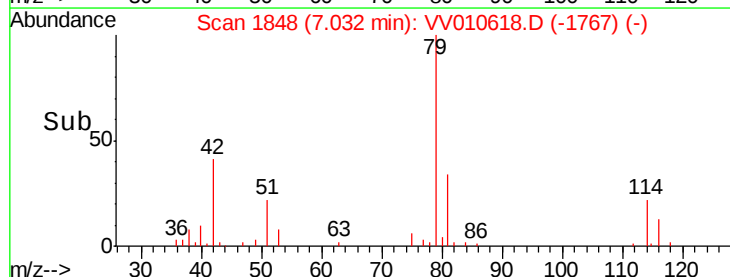
77 46.3 23.9 44.3#



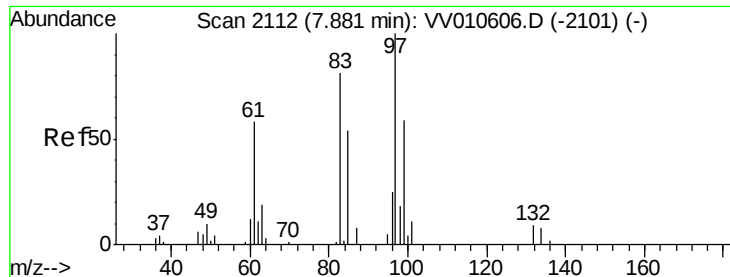
Abundance Ion 75.05 (74.75 to 75.75): VV010618.D (-1848) (-)

Ion 77.05 (76.75 to 77.75): VV010618.D (-1848) (-)

Time-->



Time-->



#45

1,1,2-Trichloroethane

Concen: 0.109 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.14 min

Lab File: VV010618.D

Acq: 01 May 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

C0XC4

Tgt Ion: 97 Resp: 406

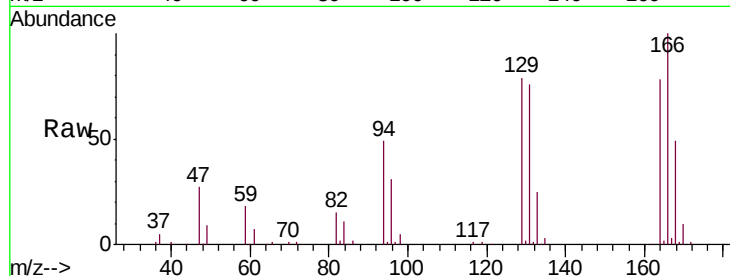
Ion Ratio Lower Upper

97 100

99 0.0 47.1 87.5#

83 229.1 65.9 122.5#

85 41.9 43.2 80.2#

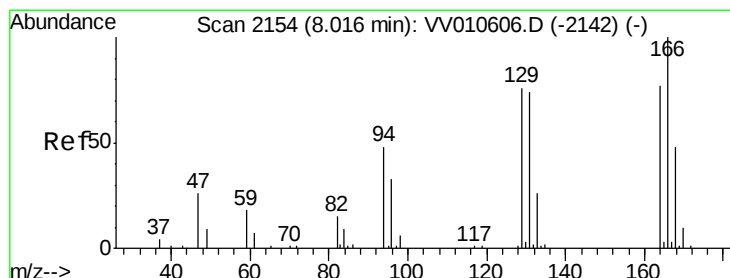
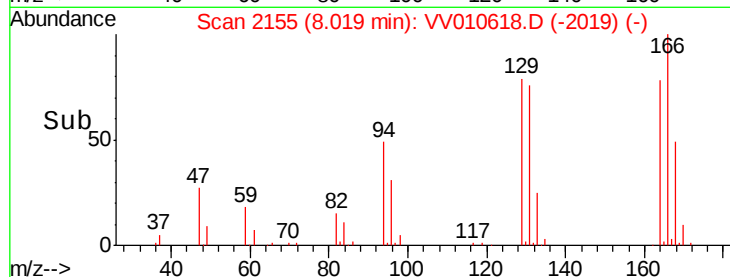
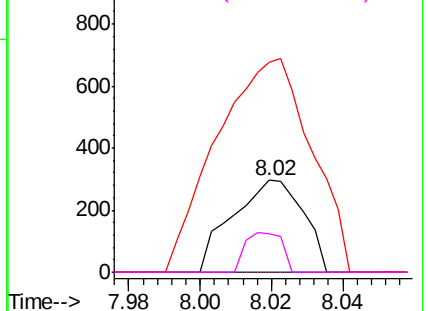


Abundance Ion 96.95 (96.65 to 97.65): VV0

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



#47

Tetrachloroethene

Concen: 11.252 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV010618.D

Acq: 01 May 2019 21:33

Tgt Ion: 164 Resp: 53449

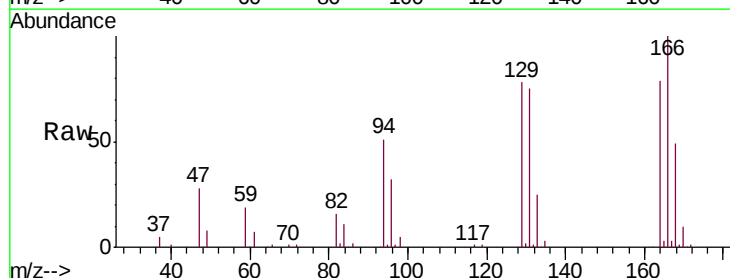
Ion Ratio Lower Upper

164 100

129 99.1 69.9 129.7

131 95.1 65.6 121.8

166 127.3 88.9 165.1

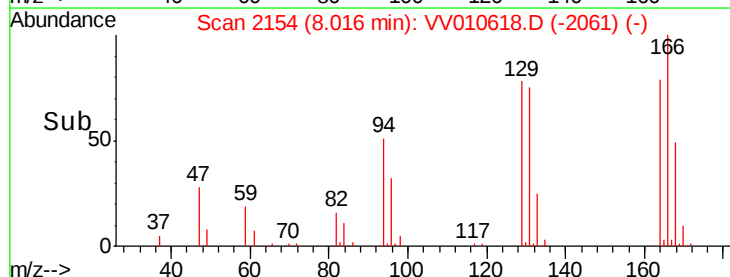
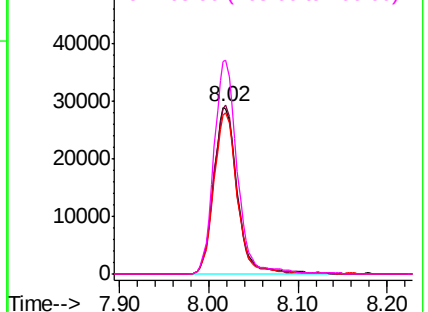


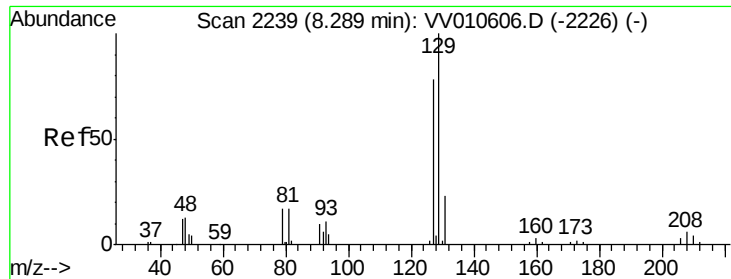
Abundance Ion 163.90 (163.60 to 164.60): V

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





#49

Dibromochloromethane

Concen: 11.246 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV010618.D

Acq: 01 May 2019 21:33

Instrument :

MSVOA_V

ClientSampleId :

C0XC4

Tgt Ion:129 Resp: 48598

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#

