

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053120\
 Data File : VV016392.D
 Acq On : 31 May 2020 17:02
 Operator : SY/MD
 Sample : L2780-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AL4

Quant Time: Jun 01 08:30:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 07:14:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	71910	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	70160	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	28331	5.00	ug/L	0.00

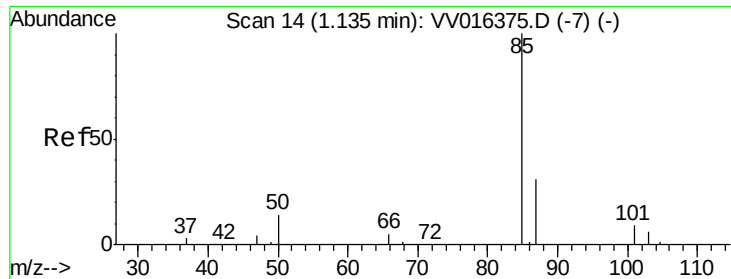
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29543	4.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.80%
7) Chloroethane-d5	1.58	69	23638	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.80%
11) 1,1-Dichloroethene-d2	2.13	63	40670	3.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.80%
20) 2-Butanone-d5	3.95	46	71574	52.69	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.38%
24) Chloroform-d	4.38	84	51810	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.06	65	28747	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.08	84	101966	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
36) 1,2-Dichloropropane-d6	6.10	67	31382	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.34	98	85569	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
45) trans-1,3-Dichloropropene-	7.65	79	9504	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
48) 2-Hexanone-d5	8.12	63	50573	48.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.90%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21800	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	29827	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	541	0.092 ug/L	91
3) Chloromethane	1.25	50	1207	0.168 ug/L	90
9) Trichlorofluoromethane	1.77	101	1367	0.157 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3424	0.703 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	3636	0.671 ug/L	97
25) Chloroform	4.40	83	2903	0.299 ug/L	84
34) Trichloroethene	5.94	95	6861	1.260 ug/L	93
49) Tetrachloroethene	8.00	164	966	0.242 ug/L	94

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



#2

Dichlorodifluoromethane

Concen: 0.092 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV016392.D

Acq: 31 May 2020 17:02

Instrument :

MSVOA_V

ClientSampleId :

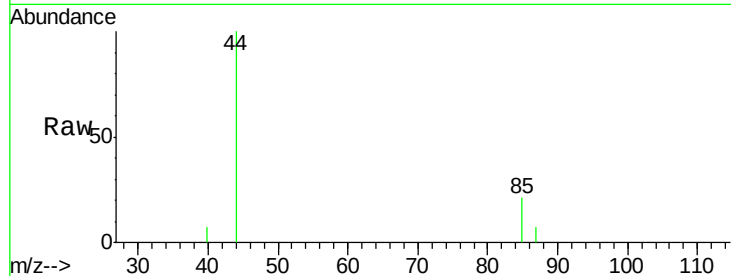
C0AL4

Tot Ion: 85 Resp: 541

Ion Ratio Lower Upper

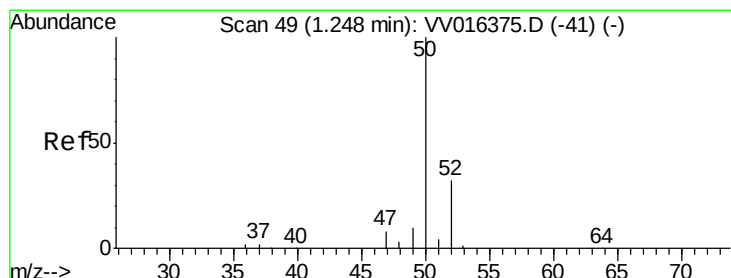
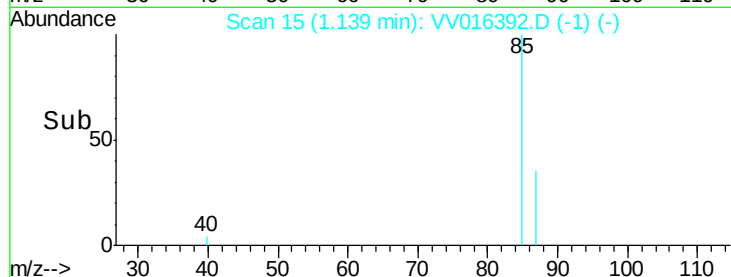
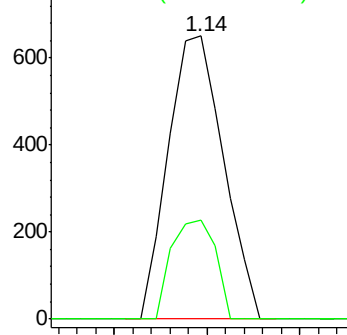
85 100

87 27.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.168 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016392.D

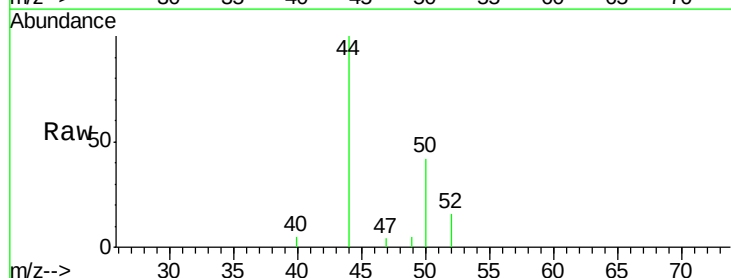
Acq: 31 May 2020 17:02

Tgt Ion: 50 Resp: 1207

Ion Ratio Lower Upper

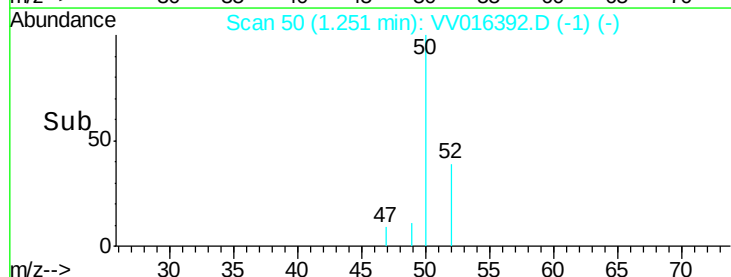
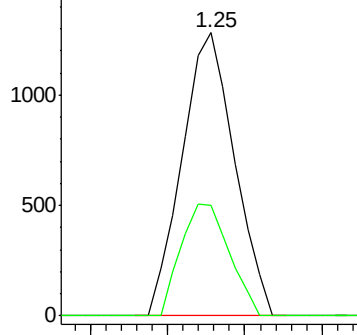
50 100

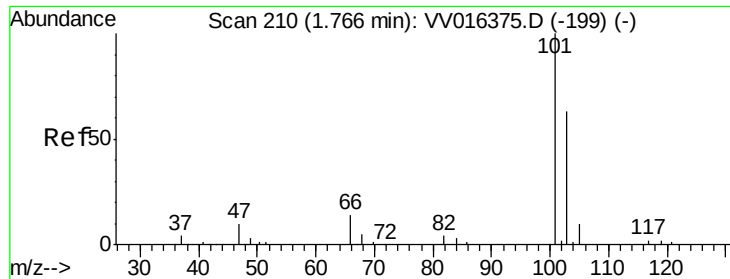
52 38.9 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



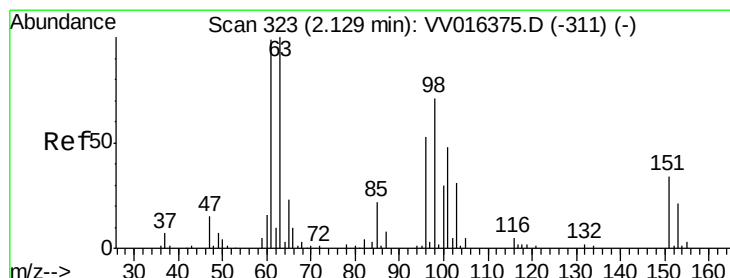
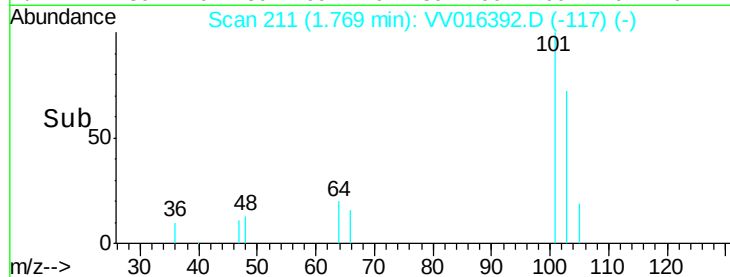
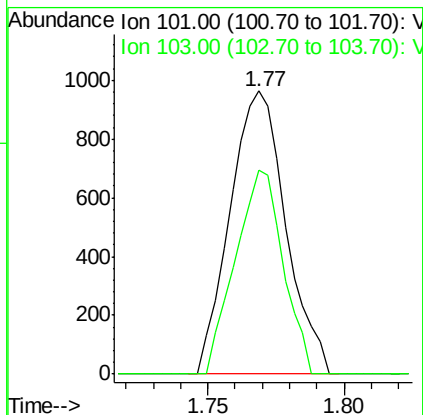
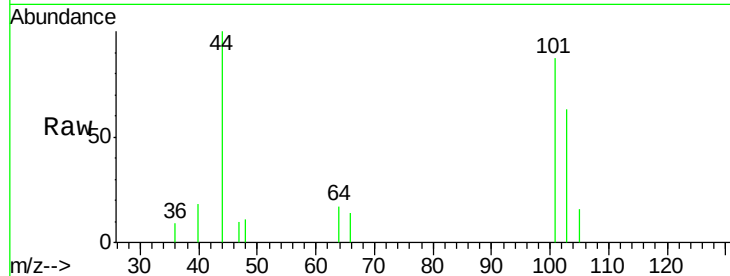


#9

Trichlorofluoromethane
Concen: 0.157 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV016392.D
Acq: 31 May 2020 17:02

Instrument :
MSVOA_V
ClientSampled :
C0AL4

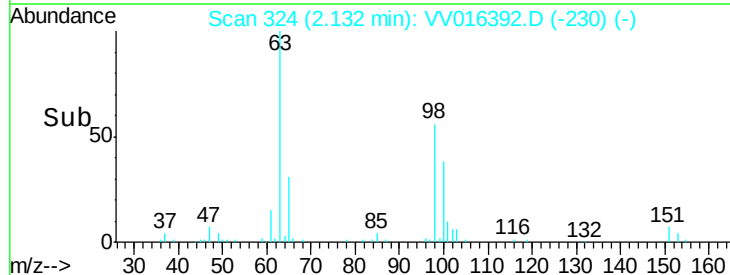
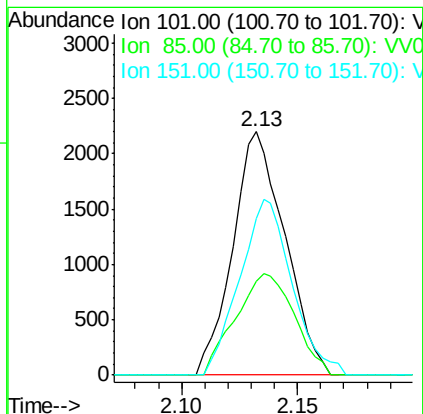
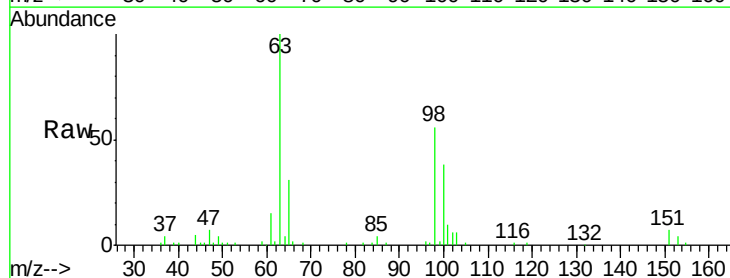
Tot Ion:101 Resp: 1367
Ion Ratio Lower Upper
101 100
103 61.4 52.2 78.4

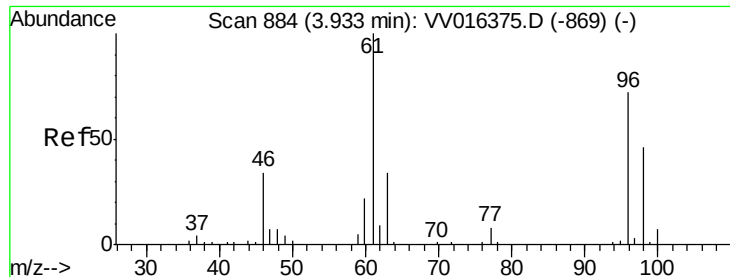


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.703 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV016392.D
Acq: 31 May 2020 17:02

Tgt Ion:101 Resp: 3424
Ion Ratio Lower Upper
101 100
85 47.1 35.7 53.5
151 72.8 57.2 85.8



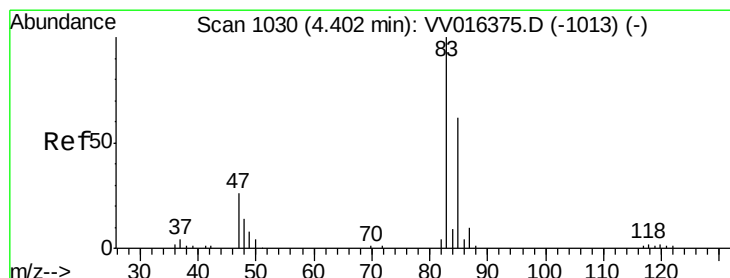
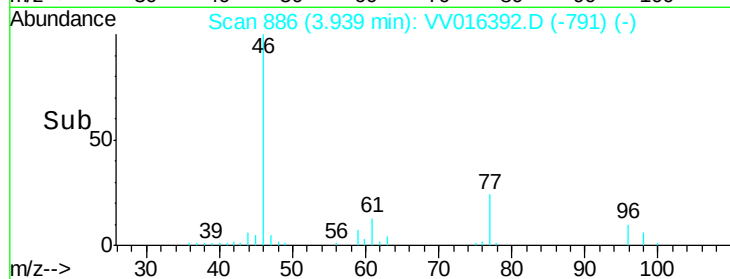
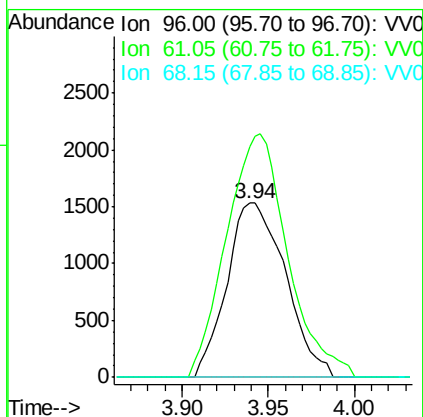
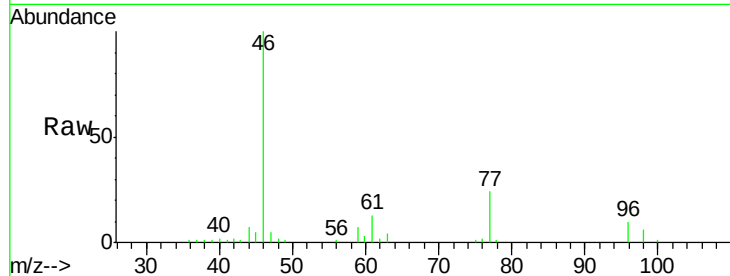


#22

cis-1,2-Dichloroethene
 Concen: 0.671 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV016392.D
 Acq: 31 May 2020 17:02

Instrument :
 MSVOA_V
 ClientSampled :
 C0AL4

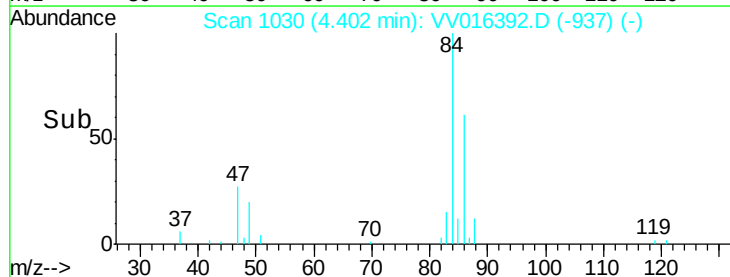
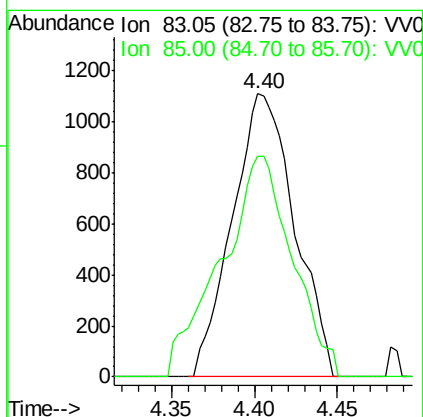
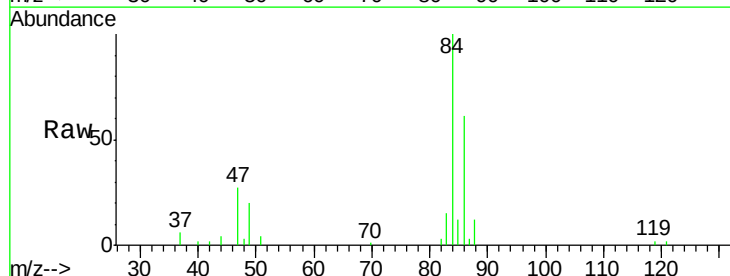
Tot Ion: 96 Resp: 3636
 Ion Ratio Lower Upper
 96 100
 61 132.1 94.8 176.0
 68 0.0 0.0 0.0

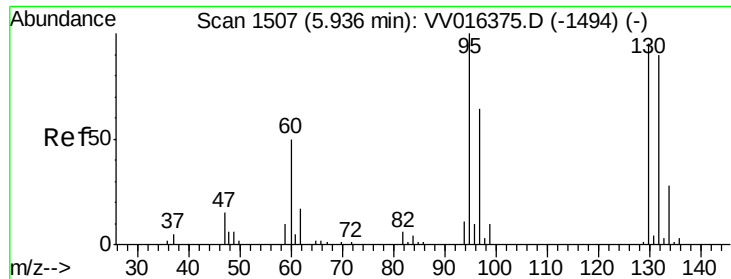


#25

Chloroform
 Concen: 0.299 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV016392.D
 Acq: 31 May 2020 17:02

Tgt Ion: 83 Resp: 2903
 Ion Ratio Lower Upper
 83 100
 85 78.0 45.8 85.2





#34

Trichloroethene

Concen: 1.260 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016392.D

Acq: 31 May 2020 17:02

Instrument :

MSVOA_V

ClientSampleId :

C0AL4

Tot Ion: 95 Resp: 6861

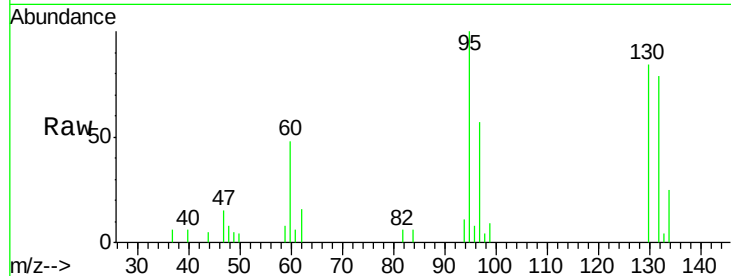
Ion Ratio Lower Upper

95 100

97 56.9 42.6 79.0

132 79.2 59.6 110.8

130 84.1 64.8 120.4

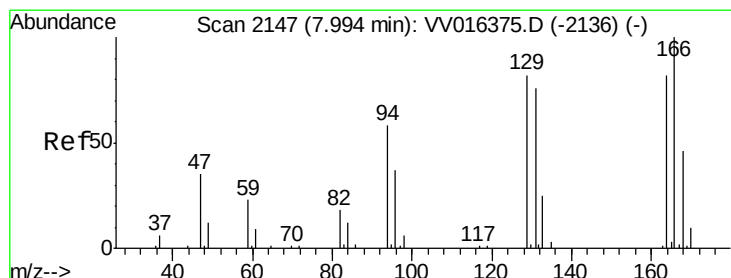
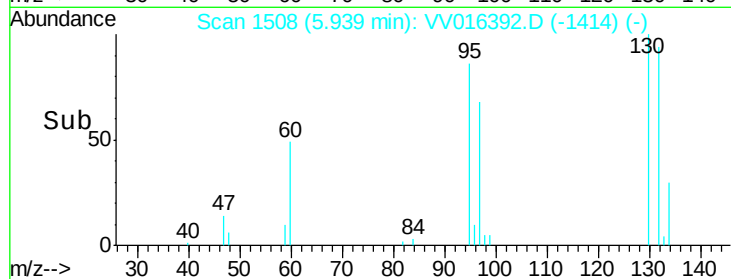
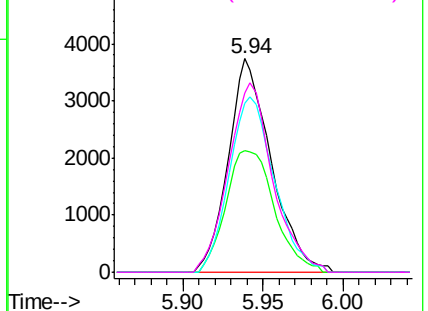


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#49

Tetrachloroethene

Concen: 0.242 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV016392.D

Acq: 31 May 2020 17:02

Tgt Ion: 164 Resp: 966

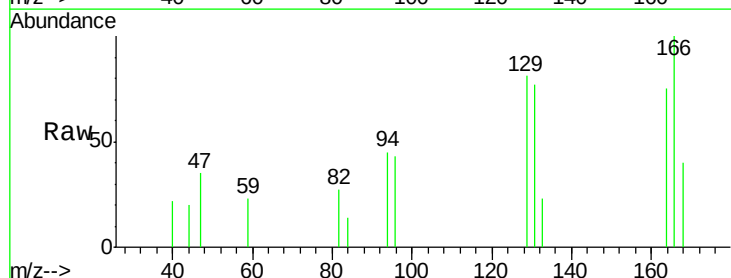
Ion Ratio Lower Upper

164 100

129 107.8 72.2 134.0

131 101.9 65.8 122.2

166 133.2 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

