

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015552.D
 Acq On : 17 Apr 2020 14:04
 Operator : SY/MD
 Sample : L2320-07DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR4DL

Quant Time: Apr 18 01:37:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	90369	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	85849	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	41910	5.00	ug/L	0.00

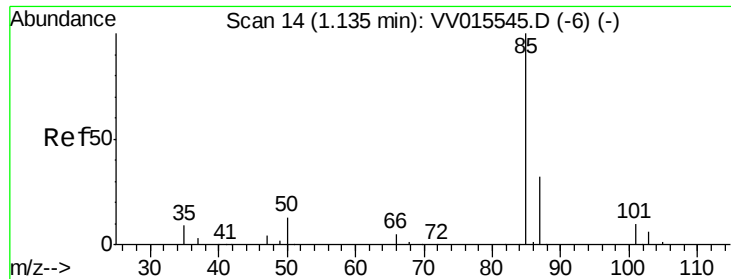
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	22496	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.57	69	22728	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.12	63	34973	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	3.94	46	74167	56.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	4.38	84	50711	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.06	65	30186	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.07	84	98607	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.09	67	31739	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.34	98	89631	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.65	79	12399	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.11	63	58700	47.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.36%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	20257	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	33683	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	1985	0.222 ug/L	91
9) Trichlorofluoromethane	1.76	101	7964	0.759 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	601	0.101 ug/L #	66
12) 1,1-Dichloroethene	2.13	96	1327	0.234 ug/L #	1
22) cis-1,2-Dichloroethene	3.94	96	6894	1.039 ug/L	97
25) Chloroform	4.40	83	2365	0.192 ug/L	92
34) Trichloroethene	5.94	95	53415	7.724 ug/L	99
47) Tetrachloroethene	8.00	164	33368	6.512 ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 0.222 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015552.D

Acq: 17 Apr 2020 14:04

Instrument :

MSVOA_V

ClientSampleId :

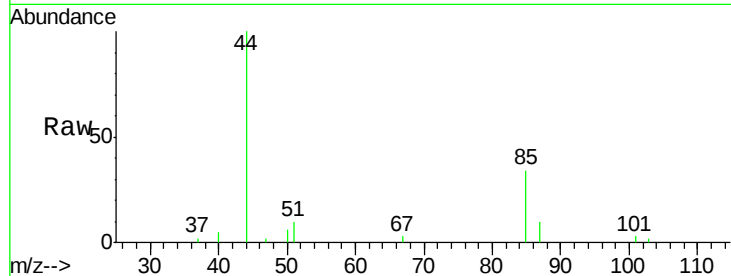
BFRR4DL

Tot Ion: 85 Resp: 1985

Ion Ratio Lower Upper

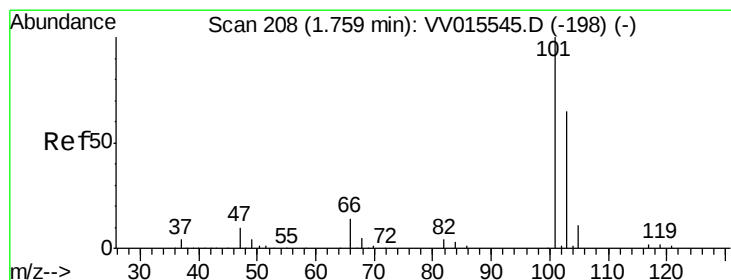
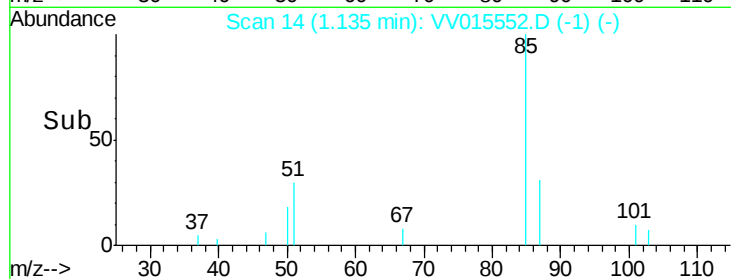
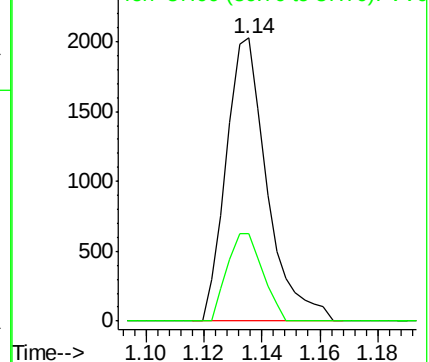
85 100

87 26.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#9

Trichlorofluoromethane

Concen: 0.759 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV015552.D

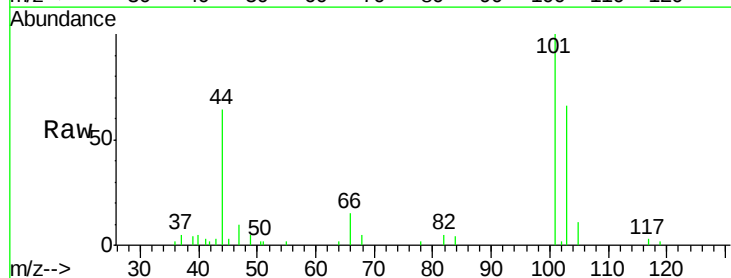
Acq: 17 Apr 2020 14:04

Tgt Ion: 101 Resp: 7964

Ion Ratio Lower Upper

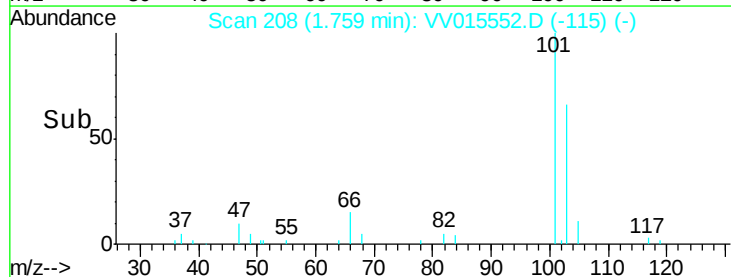
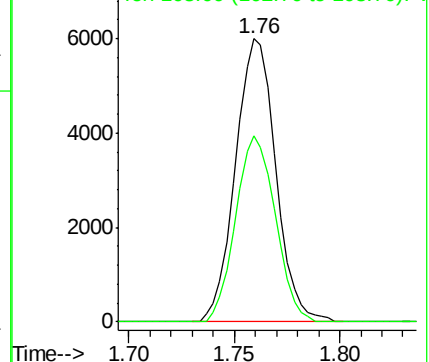
101 100

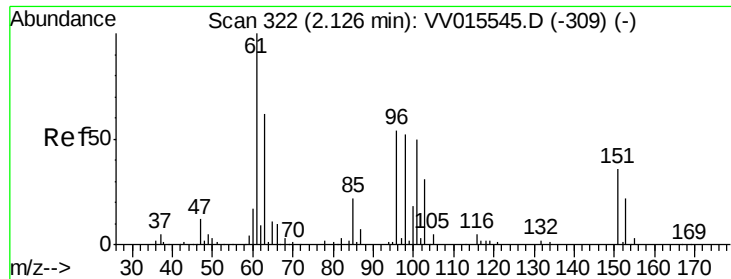
103 64.4 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.101 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015552.D

Acq: 17 Apr 2020 14:04

Instrument :

MSVOA_V

ClientSampleId :

BFRR4DL

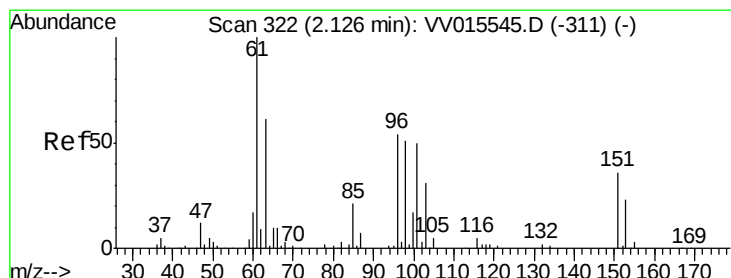
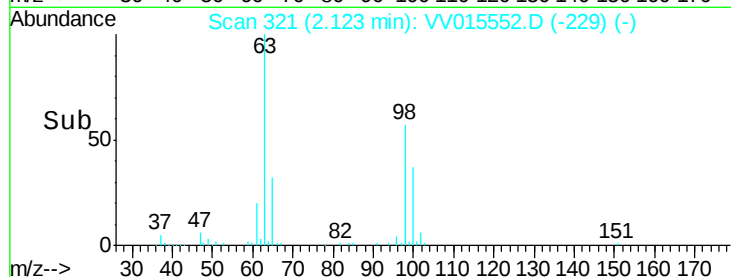
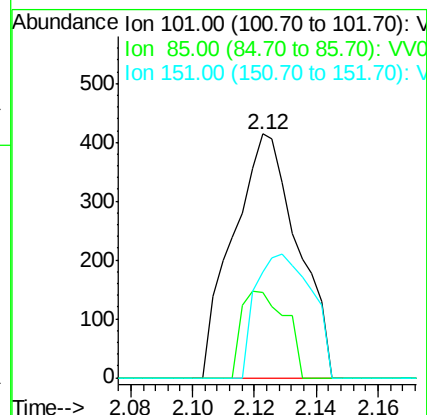
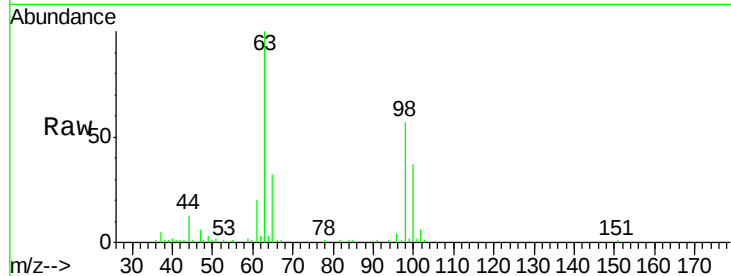
Tot Ion:101 Resp: 601

Ion Ratio Lower Upper

101 100

85 23.8 36.3 54.5#

151 44.1 58.2 87.4#



#12

1,1-Dichloroethene

Concen: 0.234 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015552.D

Acq: 17 Apr 2020 14:04

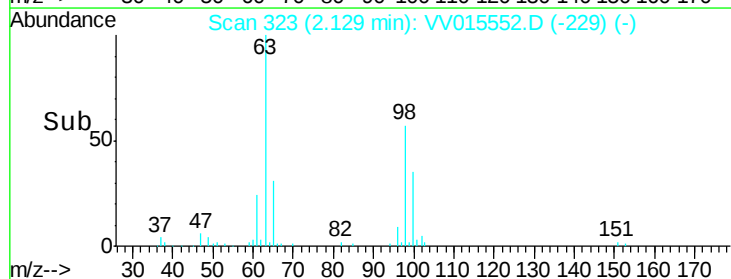
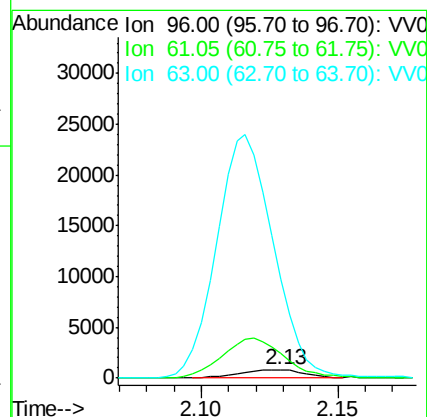
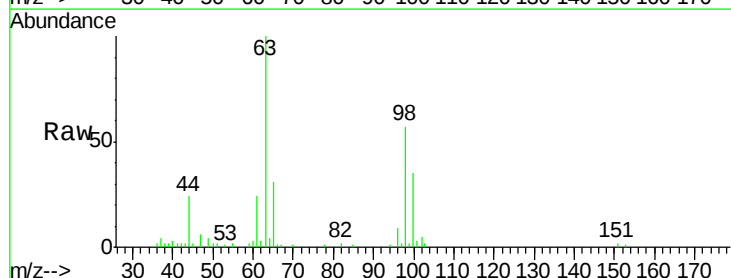
Tgt Ion: 96 Resp: 1327

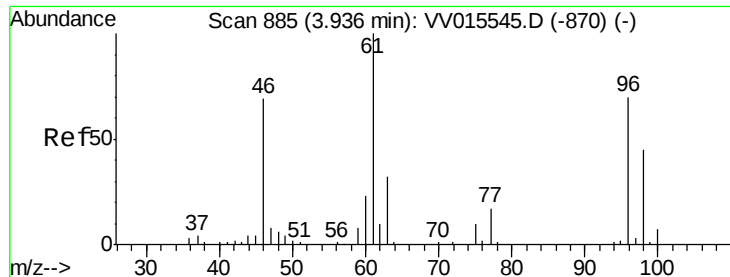
Ion Ratio Lower Upper

96 100

61 283.5 127.7 237.1#

63 1161.4 75.1 139.5#

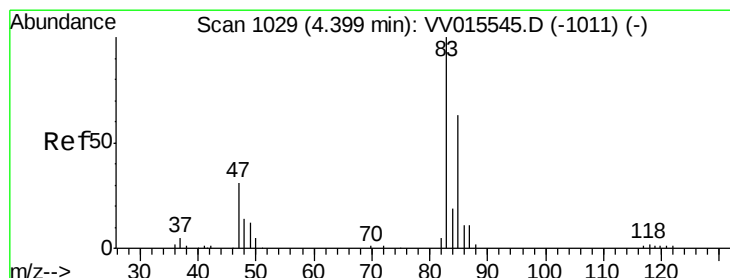
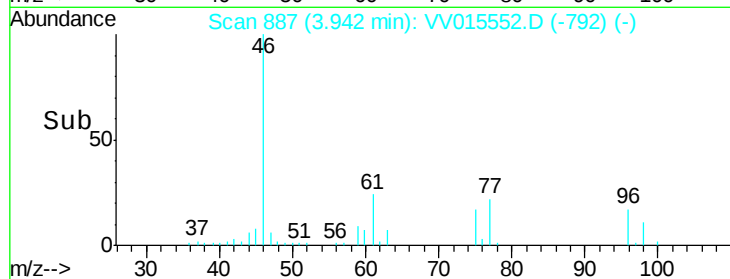
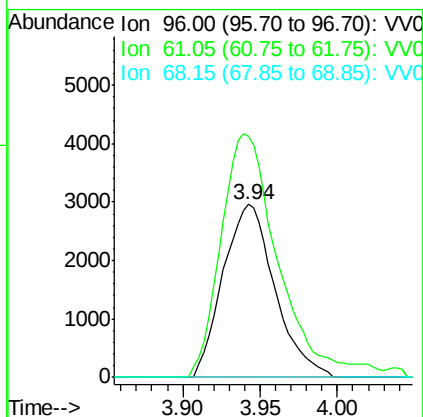
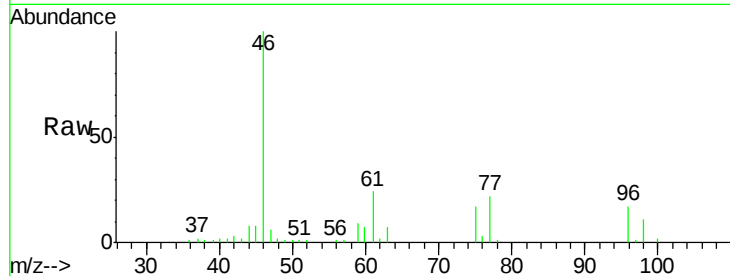




#22
 cis-1,2-Dichloroethene
 Concen: 1.039 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV015552.D
 Acq: 17 Apr 2020 14:04

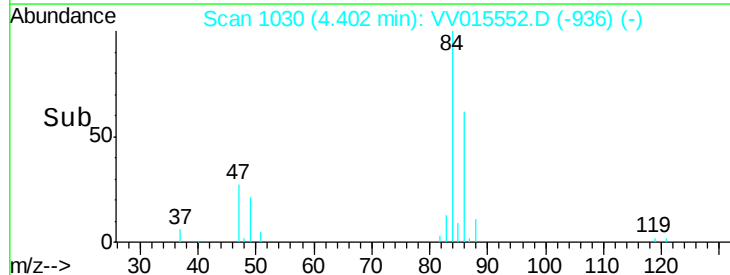
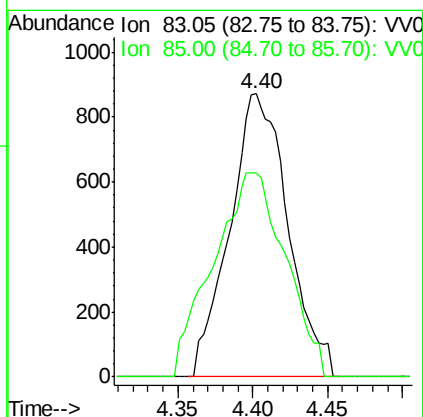
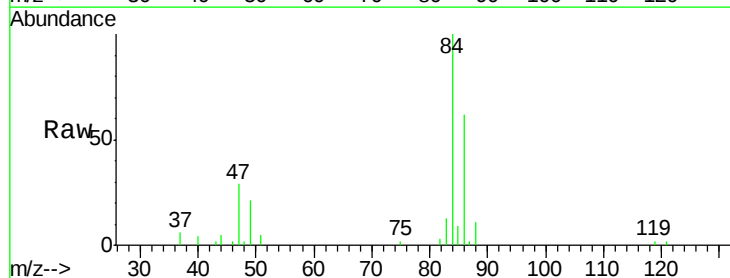
Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR4DL

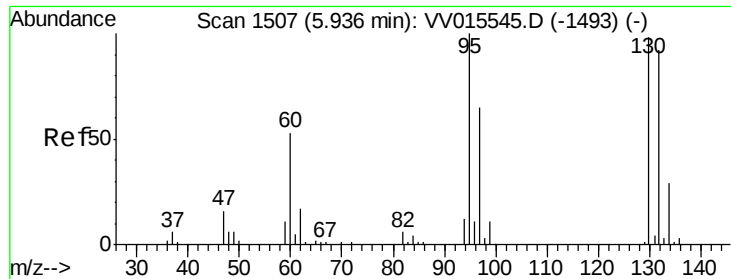
Tot Ion: 96 Resp: 6894
 Ion Ratio Lower Upper
 96 100
 61 139.5 100.0 185.8
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.192 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV015552.D
 Acq: 17 Apr 2020 14:04

Tgt Ion: 83 Resp: 2365
 Ion Ratio Lower Upper
 83 100
 85 72.2 45.9 85.3

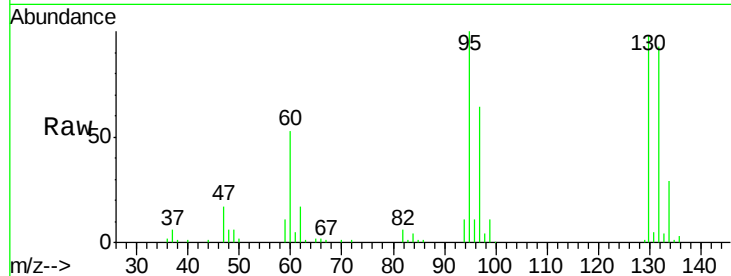




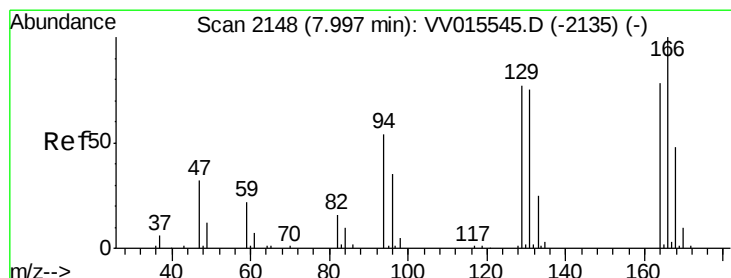
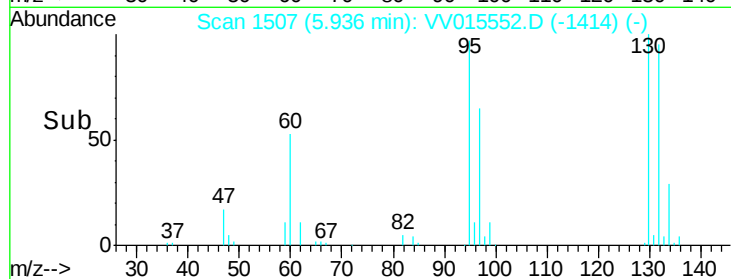
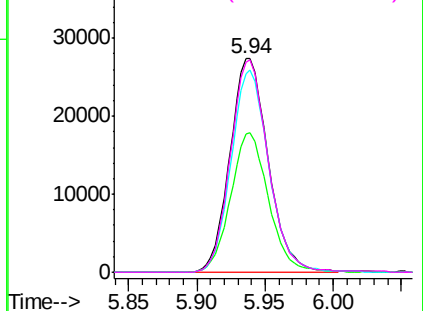
#34
 Trichloroethene
 Concen: 7.724 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015552.D
 Acq: 17 Apr 2020 14:04

Instrument :
 MSVOA_V
 ClientSampleId :
 BFRR4DL

Tot Ion: 95 Resp: 53415
 Ion Ratio Lower Upper
 95 100
 97 64.5 45.4 84.4
 132 93.1 64.8 120.4
 130 98.5 67.4 125.2

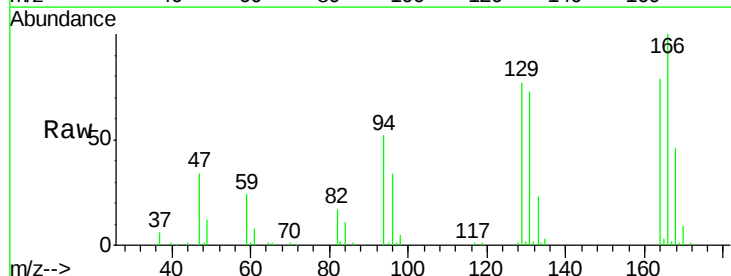


Abundance Ion 95.00 (94.70 to 95.70): VV015552.D (-1414) (-)
 Ion 96.95 (96.65 to 97.65): VV015552.D (-1414) (-)
 Ion 131.95 (131.65 to 132.65): VV015552.D (-1414) (-)
 Ion 129.95 (129.65 to 130.65): VV015552.D (-1414) (-)



#47
 Tetrachloroethene
 Concen: 6.512 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015552.D
 Acq: 17 Apr 2020 14:04

Tgt Ion: 164 Resp: 33368
 Ion Ratio Lower Upper
 164 100
 129 97.7 70.6 131.0
 131 93.4 68.3 126.8
 166 127.3 88.3 163.9



Abundance Ion 163.90 (163.60 to 164.60): VV015552.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV015552.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV015552.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV015552.D (-2055) (-)

