

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015431.D
 Acq On : 09 Apr 2020 20:52
 Operator : SY/MD
 Sample : L2188-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFS74

Quant Time: Apr 10 06:06:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 05:37:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	115388	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	109794	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	52508	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29641	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.57	69	27479	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.12	63	43654	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	3.97	46	83663	49.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.54%
24) Chloroform-d	4.38	84	65772	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	38481	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.07	84	128917	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.09	67	41730	5.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.00%
41) Toluene-d8	7.34	98	117796	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.64	79	16652	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.12	63	86313	54.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.48%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	30972	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	44713	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

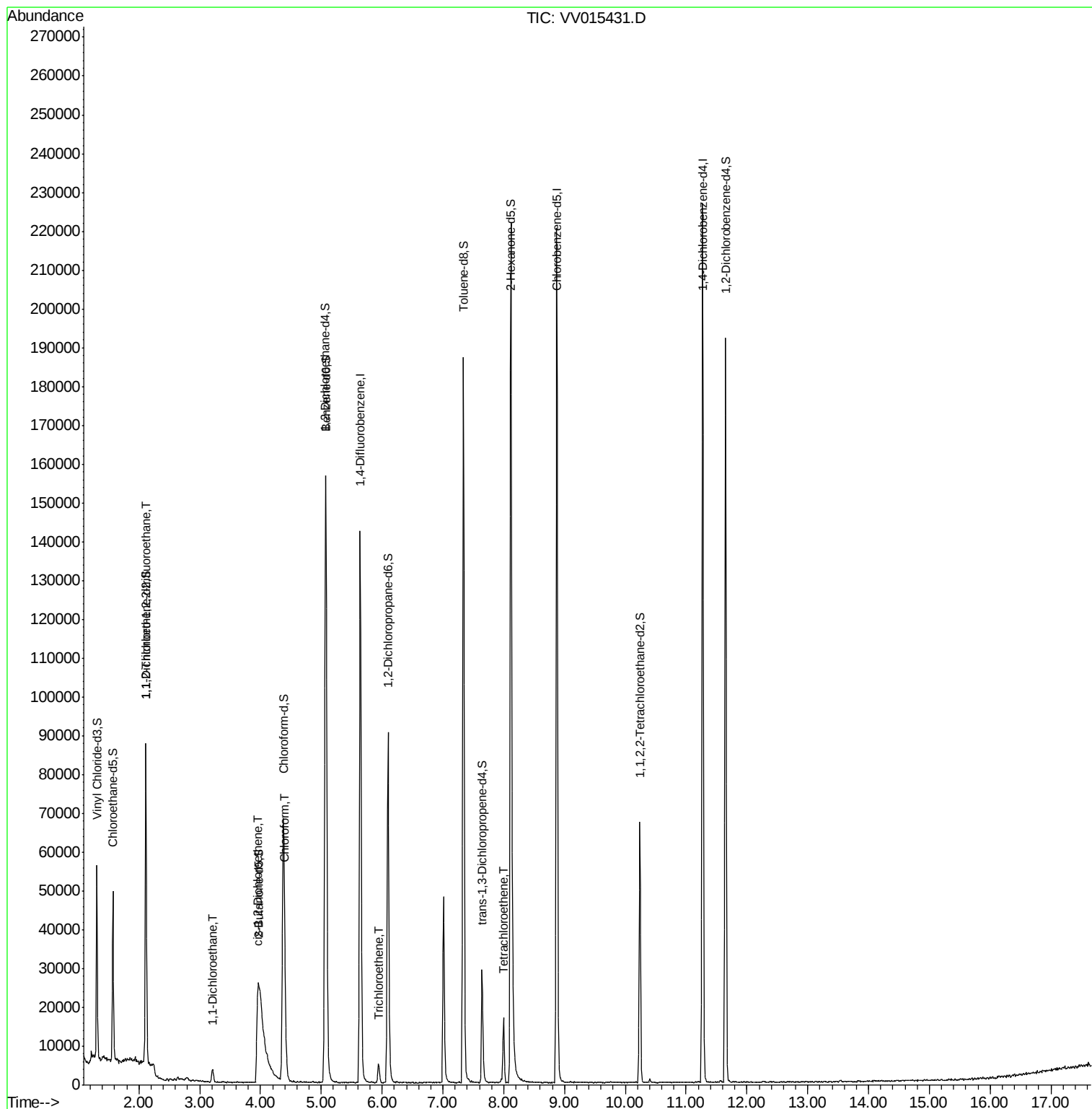
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1516	0.200 ug/L	# 80
19) 1,1-Dichloroethane	3.21	63	4009	0.261 ug/L	99
22) cis-1,2-Dichloroethene	3.95	96	1995	0.235 ug/L	94
25) Chloroform	4.41	83	14009	0.890 ug/L	97
34) Trichloroethene	5.94	95	1781	0.201 ug/L	94
47) Tetrachloroethene	8.00	164	3615	0.552 ug/L	92

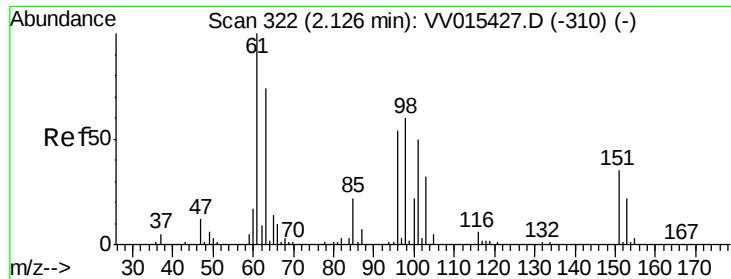
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.200 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

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Acq: 09 Apr 2020 20:52

Instrument :

MSVOA_V

ClientSampled :

BFS74

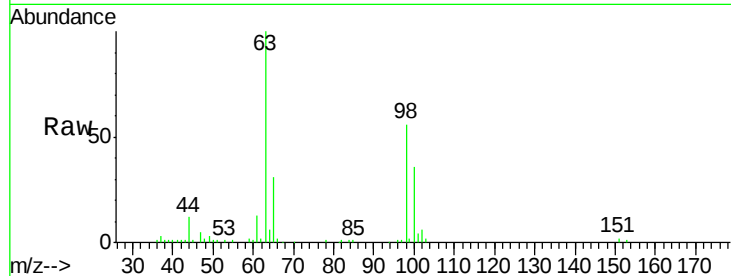
Tot Ion:101 Resp: 1516

Ion Ratio Lower Upper

101 100

85 37.9 36.3 54.5

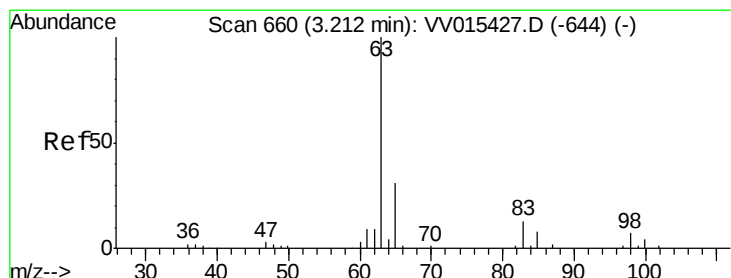
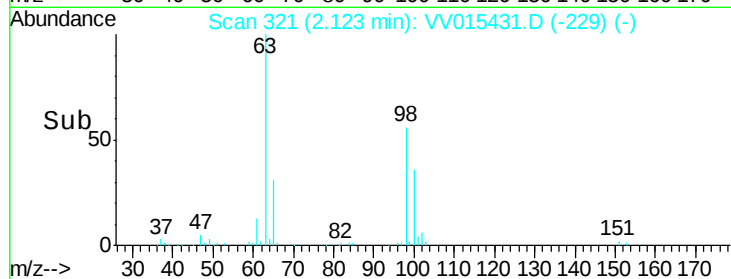
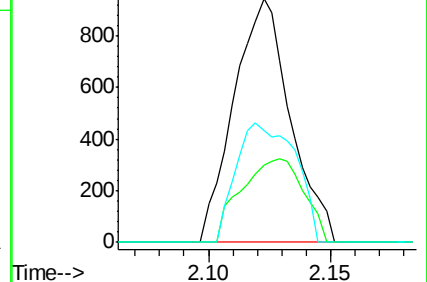
151 51.8 58.2 87.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#19

1,1-Dichloroethane

Concen: 0.261 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV015431.D

Acq: 09 Apr 2020 20:52

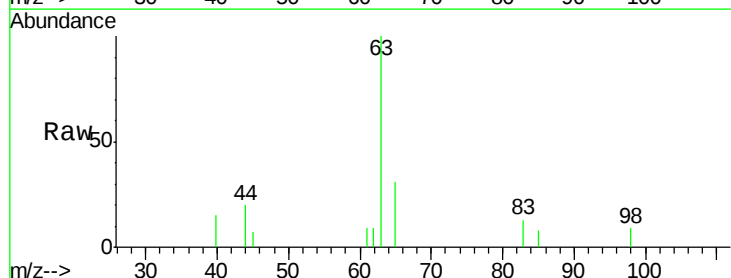
Tgt Ion: 63 Resp: 4009

Ion Ratio Lower Upper

63 100

65 31.4 21.3 39.6

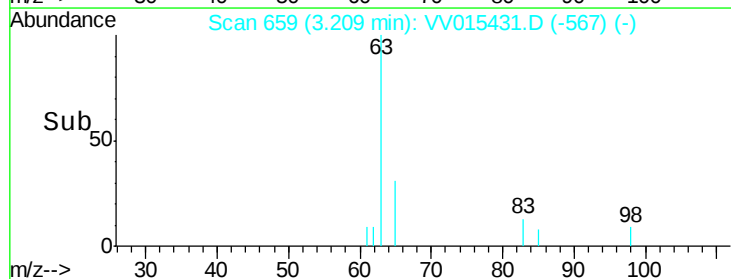
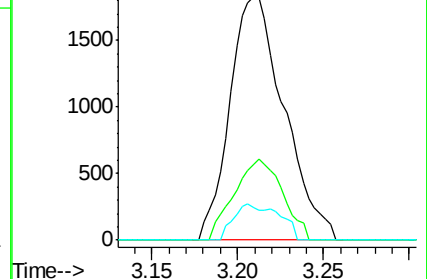
83 13.4 9.4 17.6

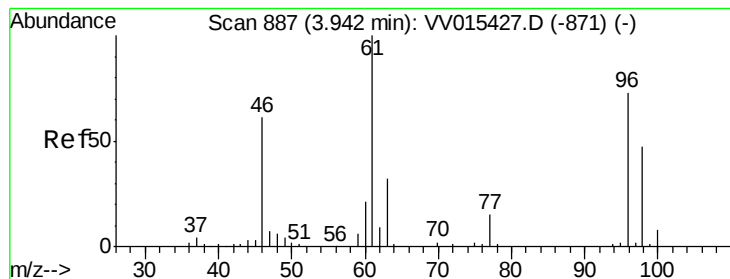


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#22

cis-1,2-Dichloroethene

Concen: 0.235 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.00 min

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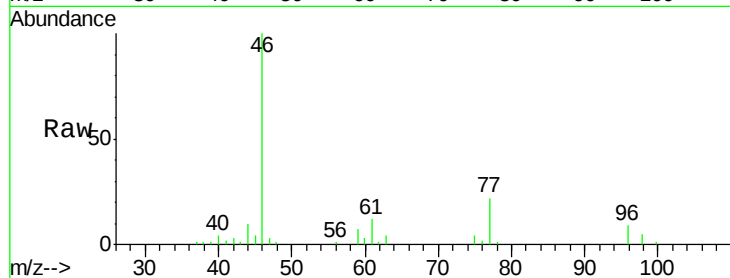
Tot Ion: 96 Resp: 1995

Ion Ratio Lower Upper

96 100

61 135.9 100.0 185.8

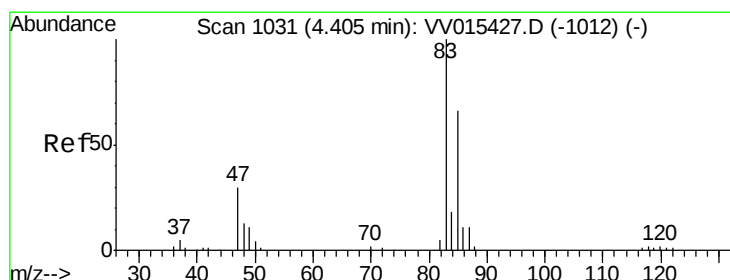
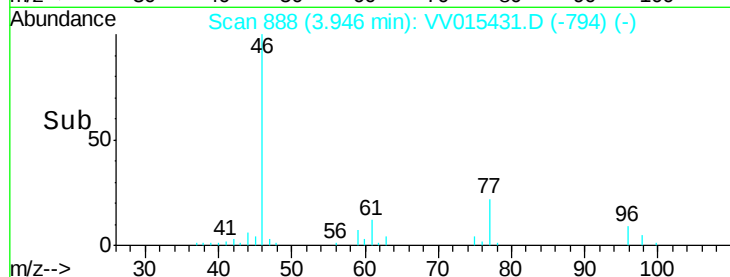
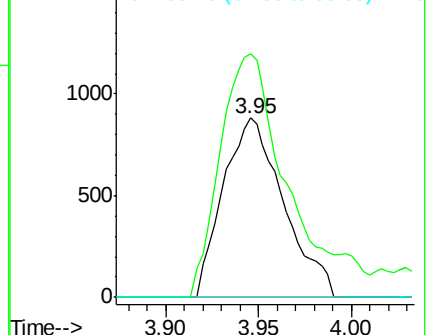
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#25

Chloroform

Concen: 0.890 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV015431.D

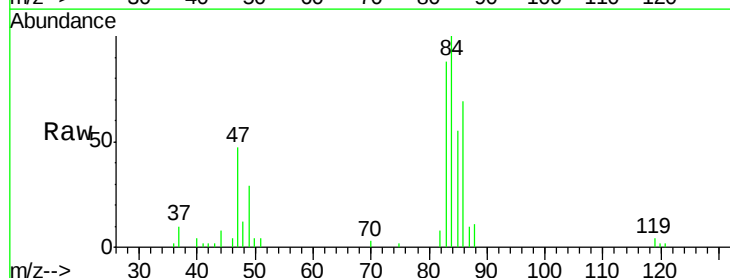
Acq: 09 Apr 2020 20:52

Tgt Ion: 83 Resp: 14009

Ion Ratio Lower Upper

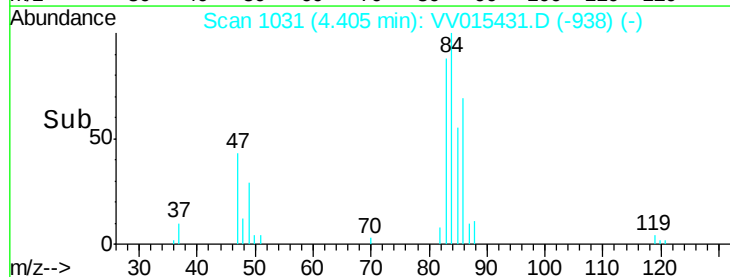
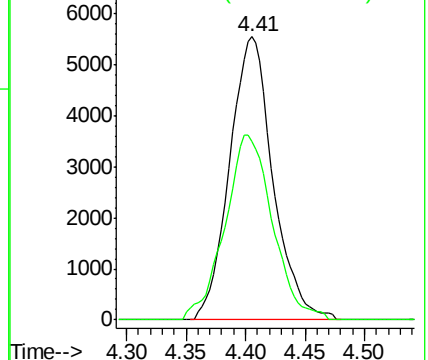
83 100

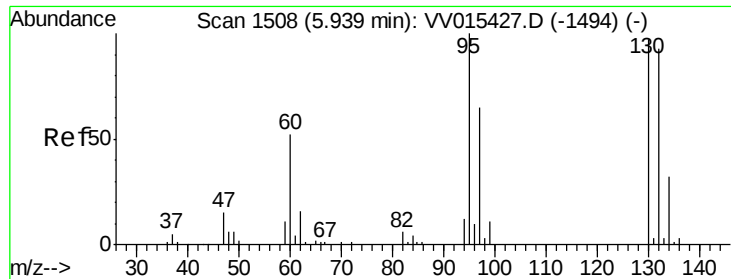
85 63.1 45.9 85.3



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 0.201 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV015431.D

Acq: 09 Apr 2020 20:52

Instrument :

MSVOA_V

ClientSampled :

BFS74

Tot Ion: 95 Resp: 1781

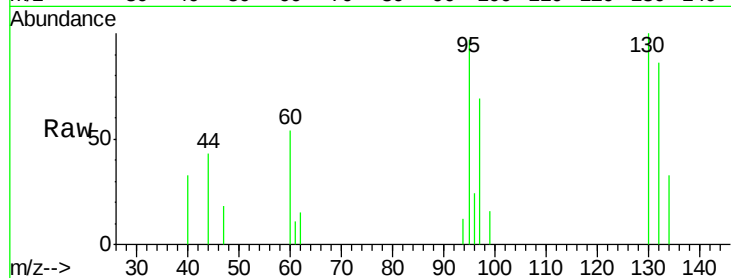
Ion Ratio Lower Upper

95 100

97 71.3 45.4 84.4

132 88.7 64.8 120.4

130 102.9 67.4 125.2

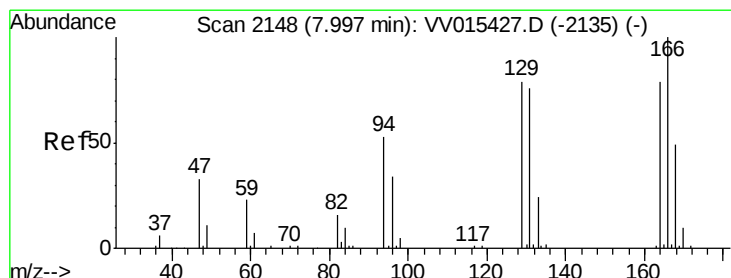
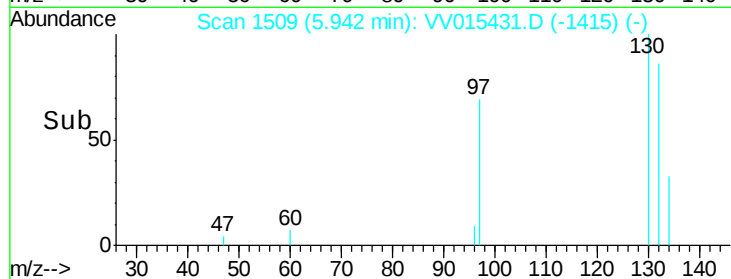
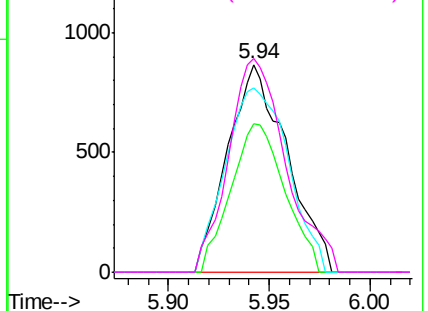


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 0.552 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV015431.D

Acq: 09 Apr 2020 20:52

Tgt Ion: 164 Resp: 3615

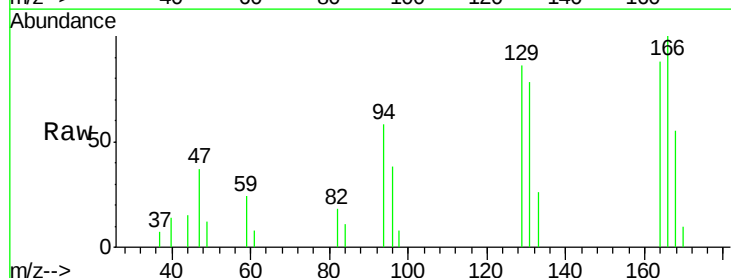
Ion Ratio Lower Upper

164 100

129 98.6 70.6 131.0

131 88.5 68.3 126.8

166 114.0 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

