

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110320\
 Data File : VU041083.D
 Acq On : 03 Nov 2020 17:22
 Operator : SY/MD
 Sample : L4575-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA0

Quant Time: Nov 04 02:11:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 04 00:51:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	53952	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	55756	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	23897	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17818	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.92	69	13957	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	2.58	63	25873	2.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.20%#
20) 2-Butanone-d5	4.65	46	75205	50.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.76%
24) Chloroform-d	5.08	84	35399	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.72	65	22261	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.74	84	62807	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
36) 1,2-Dichloropropane-d6	6.70	67	22177	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.91	98	50472	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	8.19	79	8552	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.64	63	56744	50.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.16%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	19964	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	19587	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

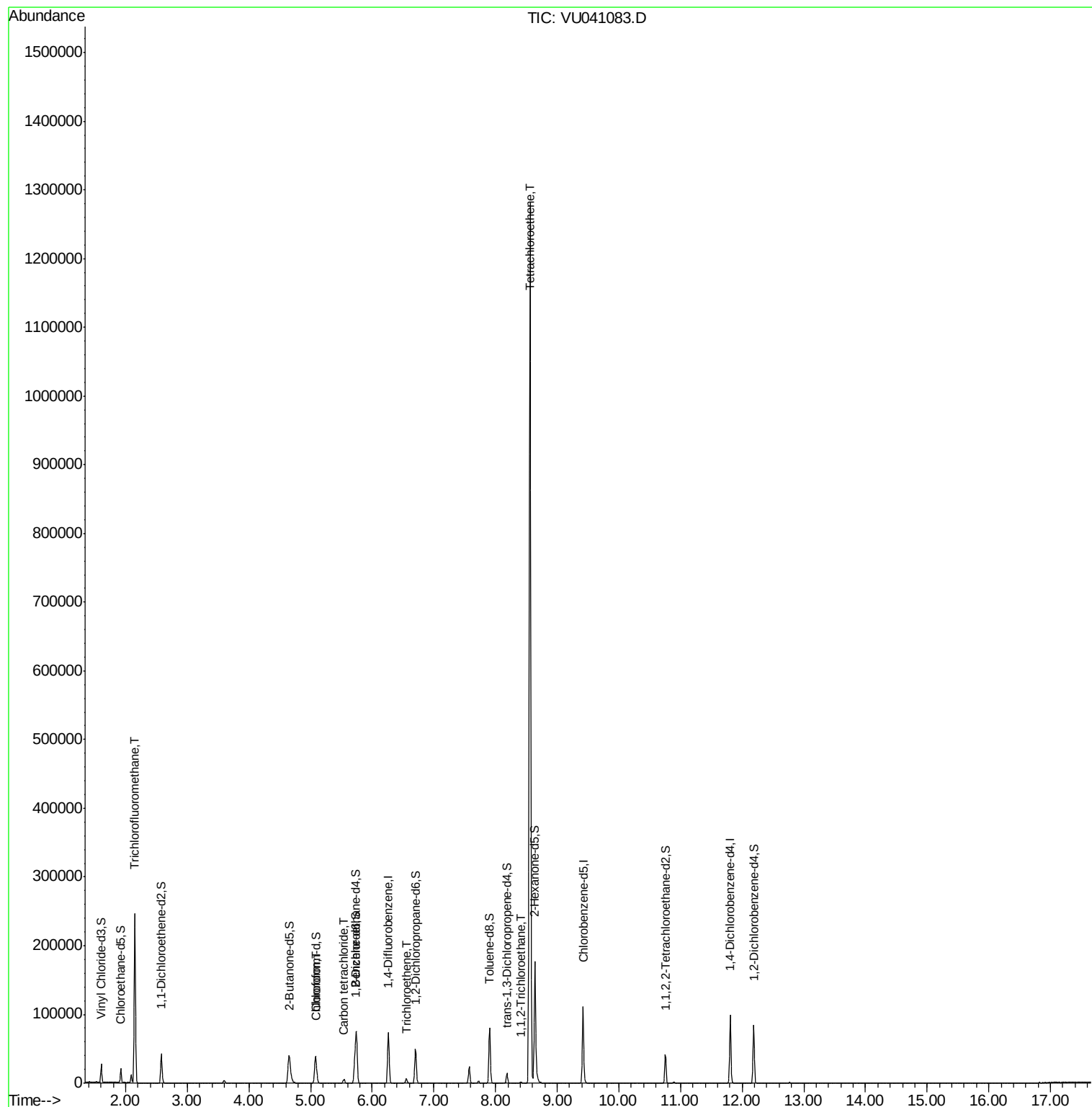
					Ovalue
9) Trichlorofluoromethane	2.15	101	153537	22.294	ug/L 99
25) Chloroform	5.11	83	2443	0.315	ug/L 97
31) Carbon tetrachloride	5.54	117	3381	0.560	ug/L 97
34) Trichloroethene	6.55	95	2332	0.550	ug/L 94
45) 1,1,2-Trichloroethane	8.40	97	544	0.162	ug/L 86
47) Tetrachloroethene	8.56	164	252722	81.064	ug/L 97

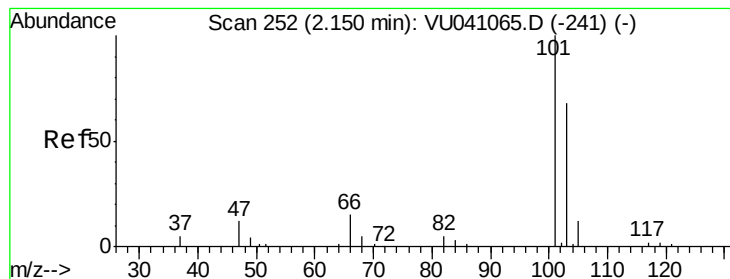
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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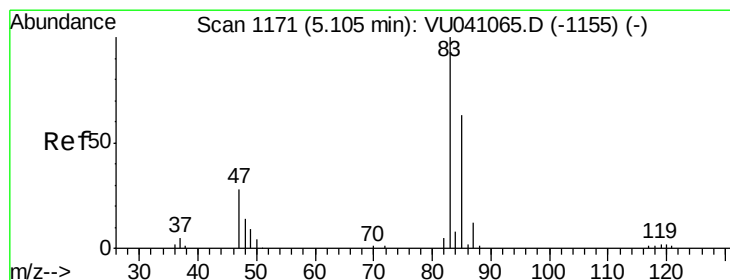
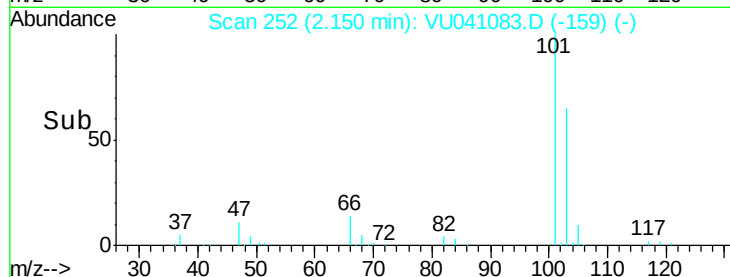
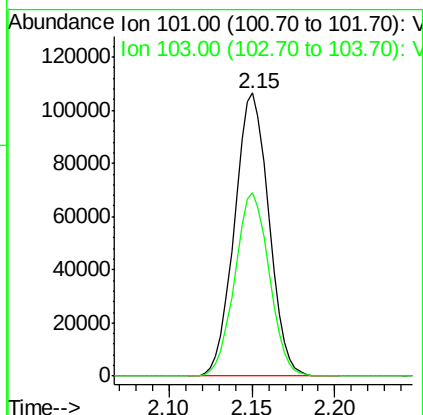
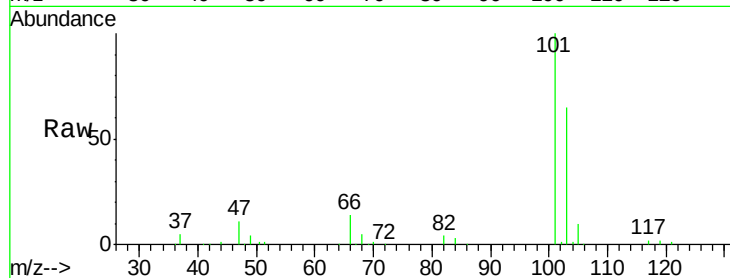


#9

Trichlorofluoromethane
 Concen: 22.294 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041083.D
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 ClientSampleId :
 C0AA0

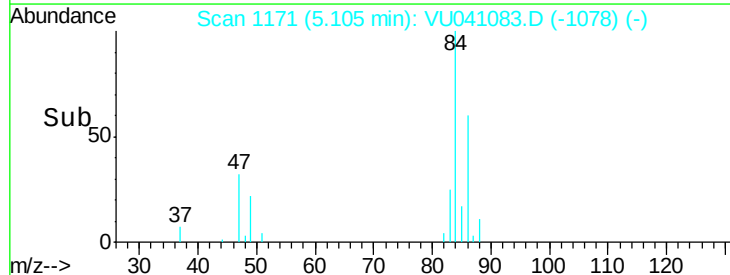
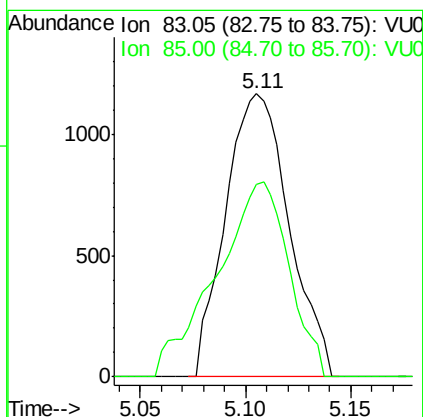
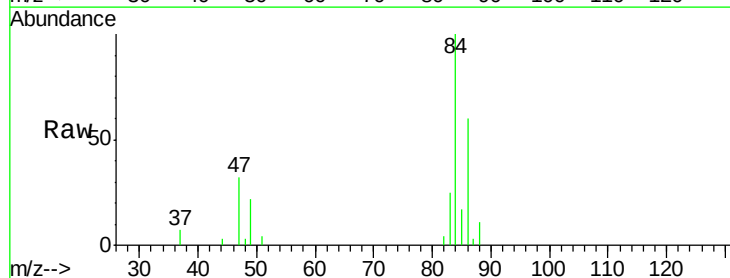
Tot Ion:101 Resp: 153537
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.0 76.4

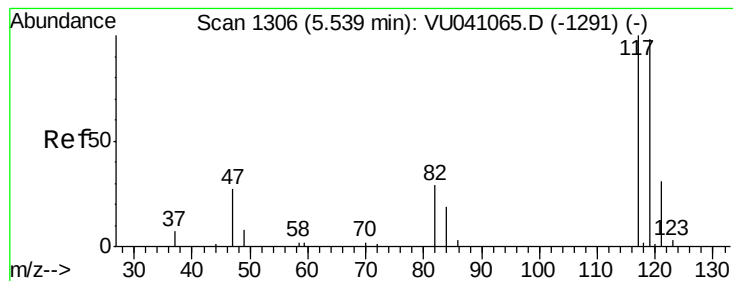


#25

Chloroform
 Concen: 0.315 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VU041083.D
 Acq: 03 Nov 2020 17:22

Tgt Ion: 83 Resp: 2443
 Ion Ratio Lower Upper
 83 100
 85 68.0 46.1 85.7





#31

Carbon tetrachloride

Concen: 0.560 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041083.D

Acq: 03 Nov 2020 17:22

Instrument :

MSVOA_U

ClientSampleId :

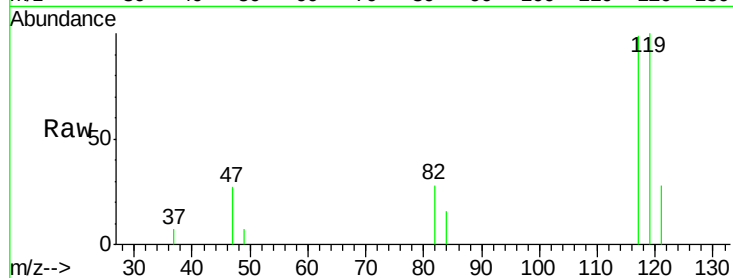
C0AA0

Tot Ion:117 Resp: 3381

Ion Ratio Lower Upper

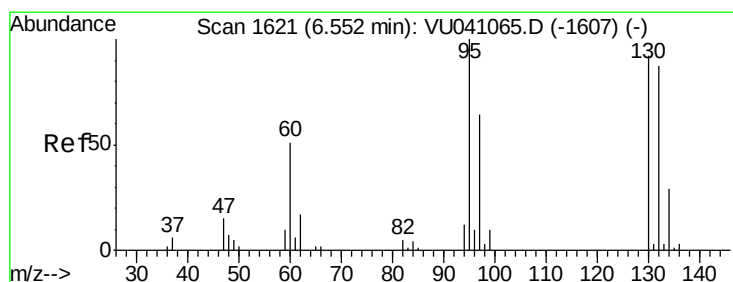
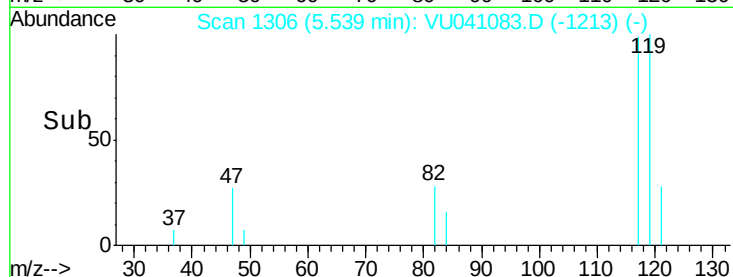
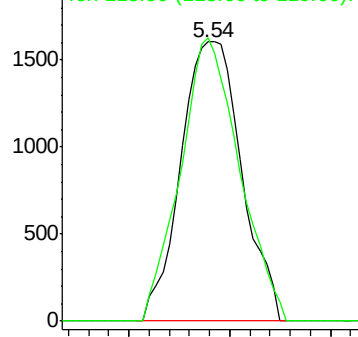
117 100

119 98.2 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 0.550 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041083.D

Acq: 03 Nov 2020 17:22

Tgt Ion: 95 Resp: 2332

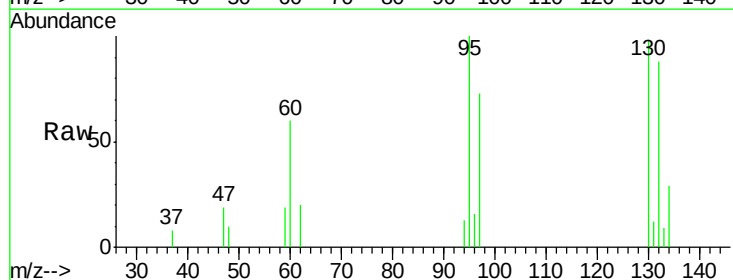
Ion Ratio Lower Upper

95 100

97 72.9 45.6 84.6

132 88.1 64.8 120.4

130 98.1 64.8 120.4

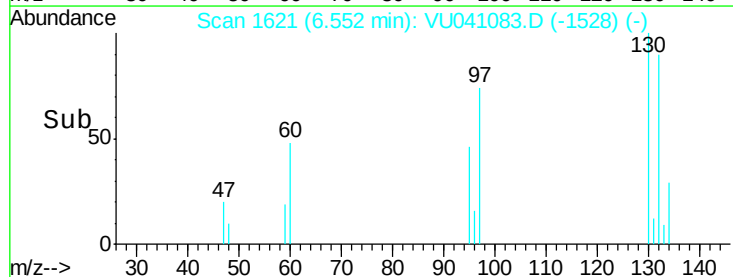
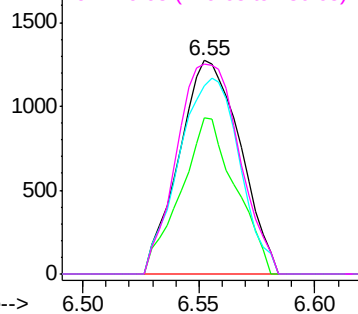


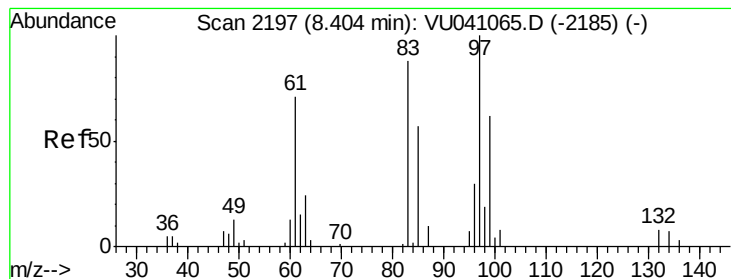
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





#45

1,1,2-Trichloroethane

Concen: 0.162 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU041083.D

Acq: 03 Nov 2020 17:22

Instrument :

MSVOA_U

ClientSampleId :

C0AA0

Tot Ion: 97 Resp: 544

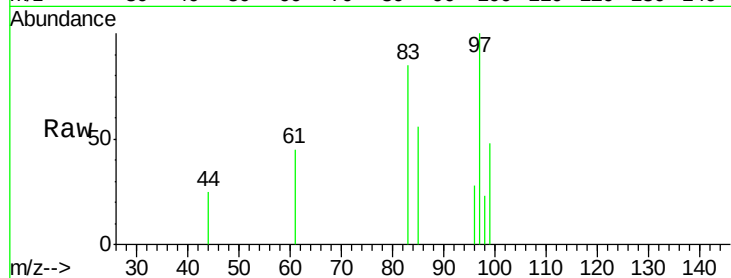
Ion Ratio Lower Upper

97 100

99 47.8 45.8 85.2

83 85.4 67.9 126.1

85 55.9 42.8 79.6

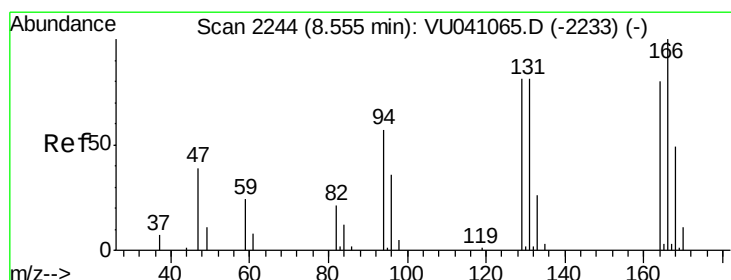
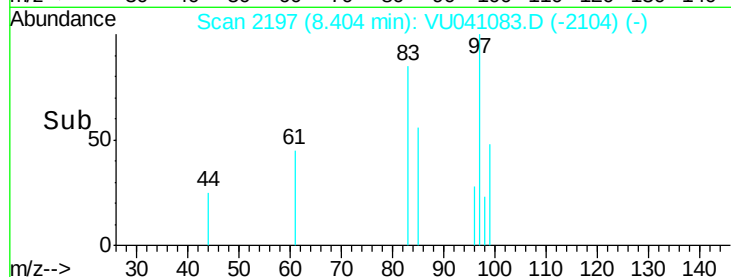
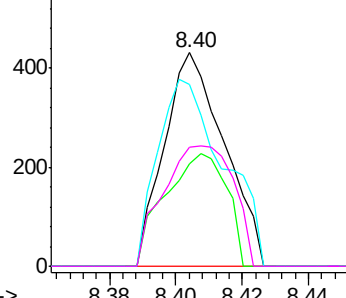


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 81.064 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041083.D

Acq: 03 Nov 2020 17:22

Tgt Ion: 164 Resp: 252722

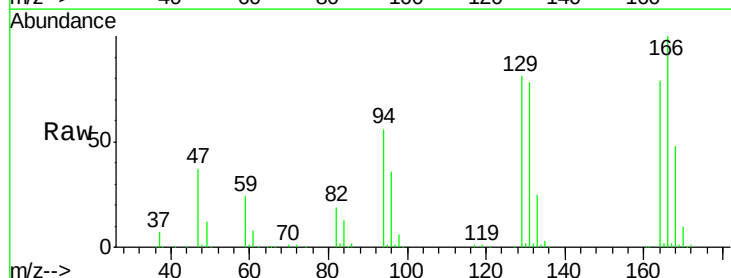
Ion Ratio Lower Upper

164 100

129 101.9 70.3 130.7

131 98.9 70.8 131.4

166 126.2 92.0 170.8



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

