

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110320\
 Data File : VU041086.D
 Acq On : 03 Nov 2020 18:32
 Operator : SY/MD
 Sample : L4575-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA3

Quant Time: Nov 04 02:22:44 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	52224	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	53568	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	22125	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	17192	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.92	69	14129	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.58	63	25458	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	4.66	46	75939	52.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.12%
24) Chloroform-d	5.08	84	34321	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.72	65	21699	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
32) Benzene-d6	5.74	84	61805	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
36) 1,2-Dichloropropane-d6	6.70	67	22077	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.91	98	48858	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.20%
43) trans-1,3-Dichloropropene-	8.19	79	8487	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.64	63	56464	51.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.74%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	19749	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	19529	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

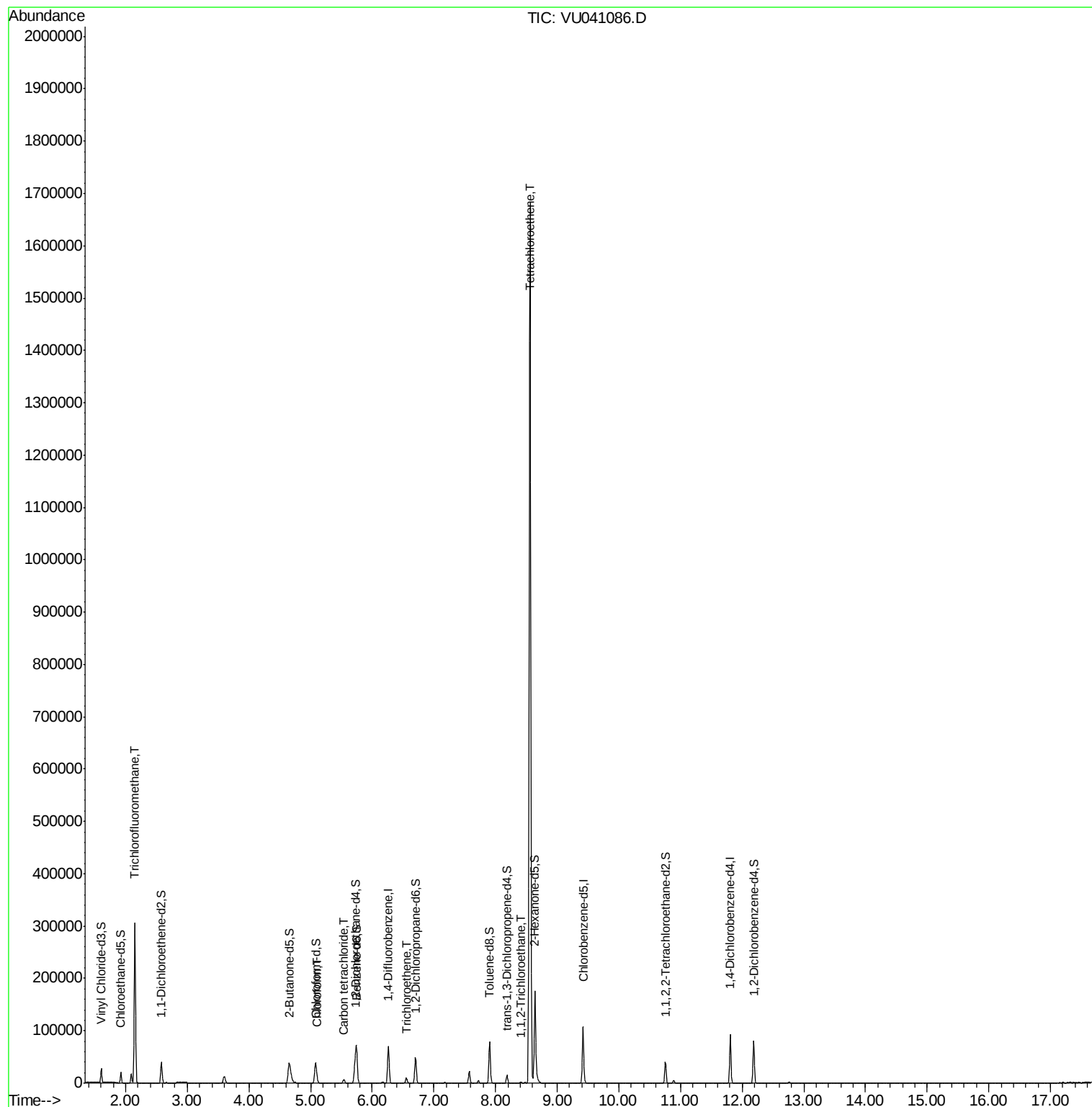
					Ovalue
9) Trichlorofluoromethane	2.15	101	190376	28.557	ug/L 99
25) Chloroform	5.11	83	2977	0.396	ug/L 94
31) Carbon tetrachloride	5.54	117	4273	0.737	ug/L 92
34) Trichloroethene	6.56	95	3295	0.809	ug/L 87
45) 1,1,2-Trichloroethane	8.40	97	678	0.210	ug/L 87
47) Tetrachloroethene	8.56	164	329602	110.043	ug/L 98

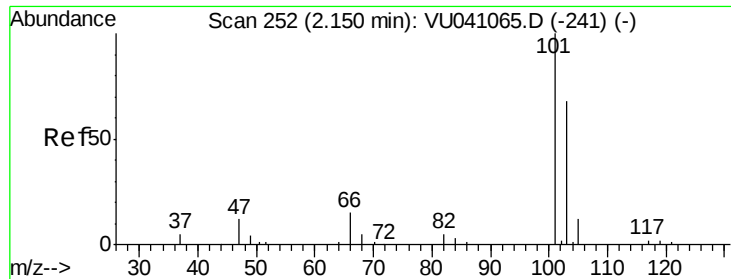
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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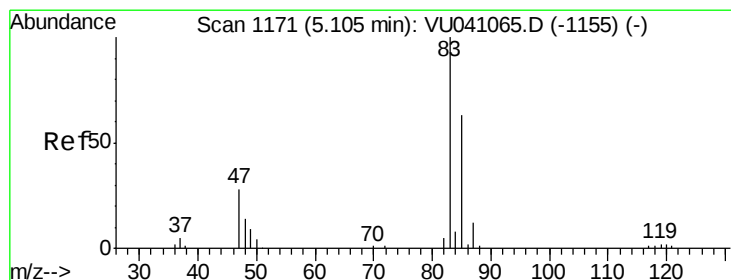
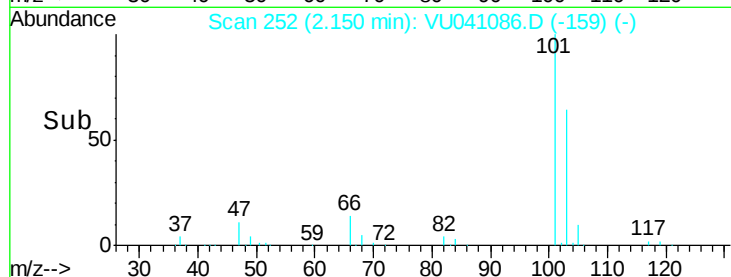
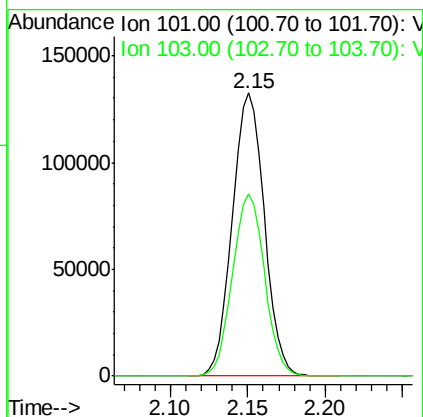
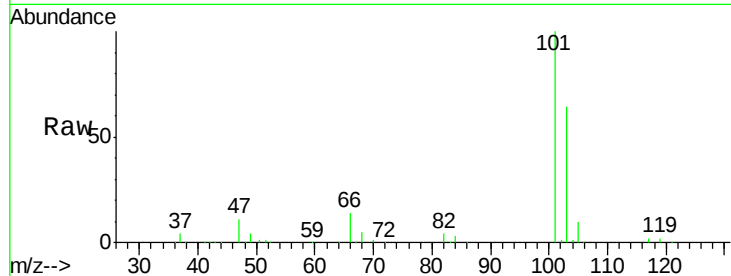


#9

Trichlorofluoromethane
 Concen: 28.557 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU041086.D
 Acq: 03 Nov 2020 18:32

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AA3

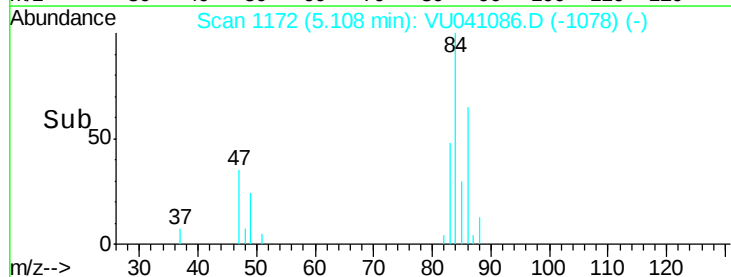
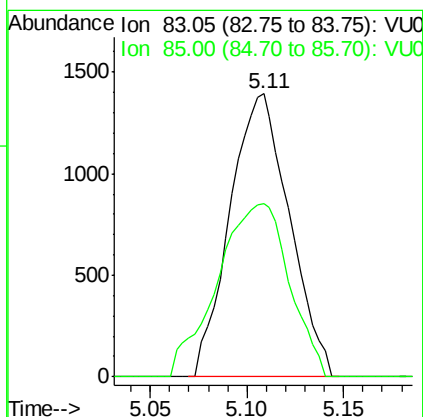
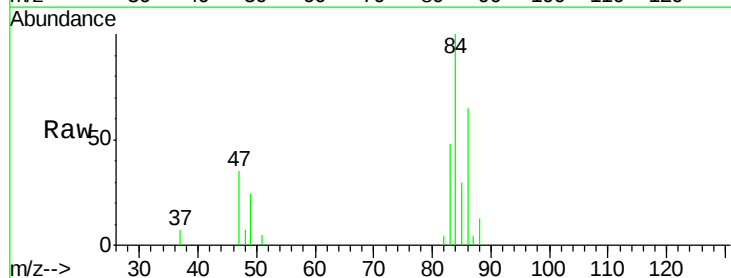
Tot Ion:101 Resp: 190376
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.0 76.4

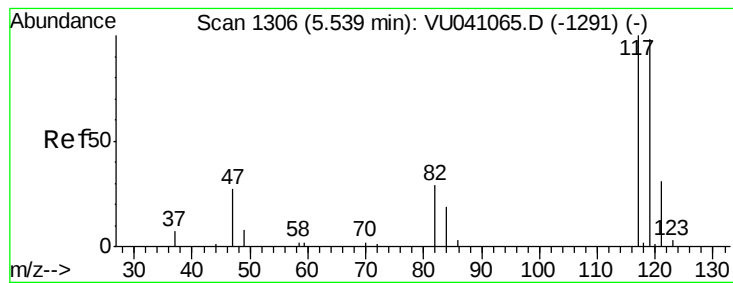


#25

Chloroform
 Concen: 0.396 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU041086.D
 Acq: 03 Nov 2020 18:32

Tgt Ion: 83 Resp: 2977
 Ion Ratio Lower Upper
 83 100
 85 61.2 46.1 85.7





#31

Carbon tetrachloride

Concen: 0.737 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041086.D

Acq: 03 Nov 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

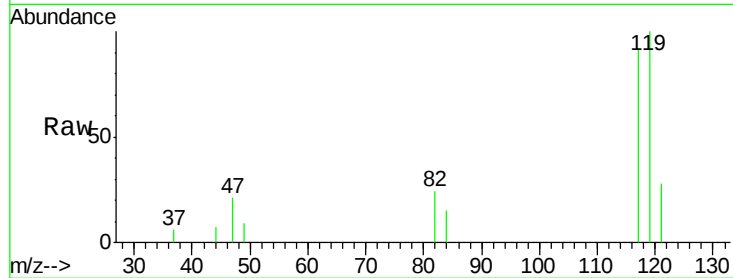
C0AA3

Tot Ion:117 Resp: 4273

Ion Ratio Lower Upper

117 100

119 102.8 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

2000

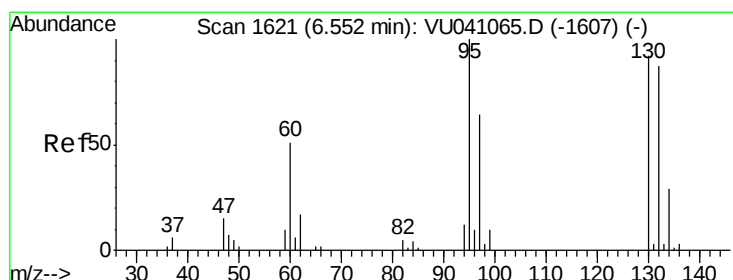
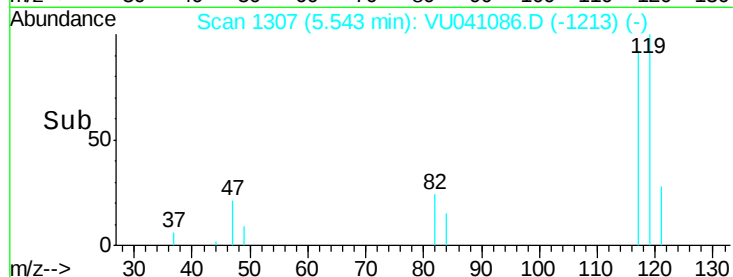
1500

1000

500

0

Time-->



#34

Trichloroethene

Concen: 0.809 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041086.D

Acq: 03 Nov 2020 18:32

Tgt Ion: 95 Resp: 3295

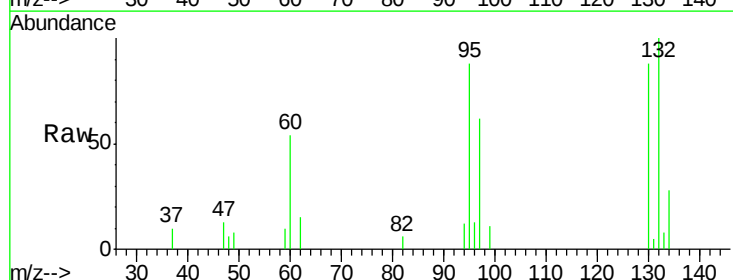
Ion Ratio Lower Upper

95 100

97 70.2 45.6 84.6

132 113.7 64.8 120.4

130 100.4 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): V

Ion 129.95 (129.65 to 130.65): V

3000

2500

2000

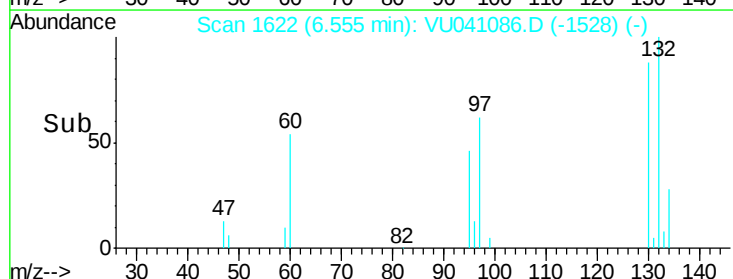
1500

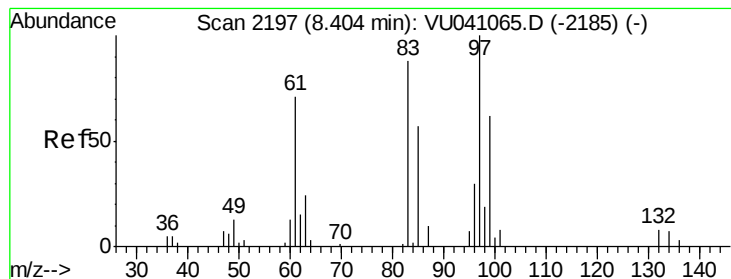
1000

500

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.210 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041086.D

Acq: 03 Nov 2020 18:32

Instrument :

MSVOA_U

ClientSampleId :

C0AA3

Tot Ion: 97 Resp: 678

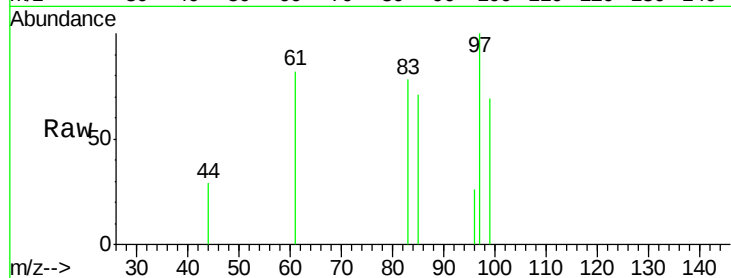
Ion Ratio Lower Upper

97 100

99 69.2 45.8 85.2

83 78.1 67.9 126.1

85 70.6 42.8 79.6

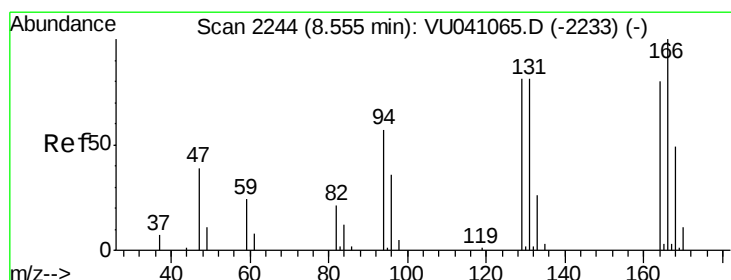
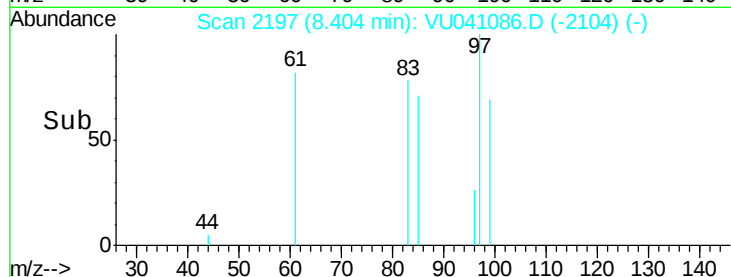
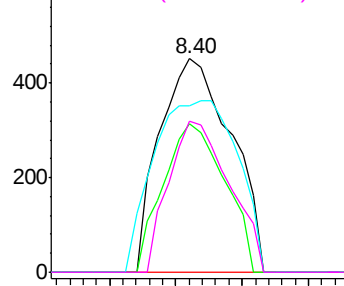


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 110.043 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041086.D

Acq: 03 Nov 2020 18:32

Tgt Ion: 164 Resp: 329602

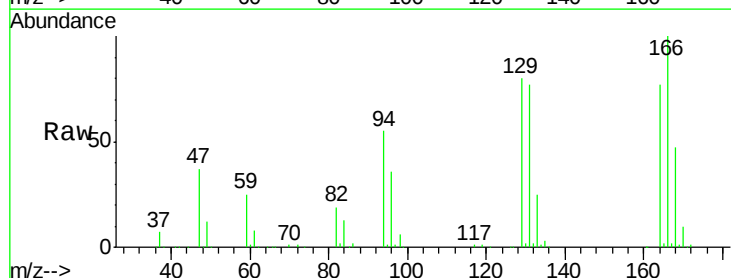
Ion Ratio Lower Upper

164 100

129 104.3 70.3 130.7

131 100.5 70.8 131.4

166 129.7 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

