

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102020\
 Data File : VU040850.D
 Acq On : 20 Oct 2020 16:01
 Operator : SY/MD
 Sample : L4420-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK2

Quant Time: Oct 21 00:54:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	109466	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119755	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50898	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	41547	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.92	69	36467	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.58	63	65833	3.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.20%
20) 2-Butanone-d5	4.65	46	159211	54.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.70%
24) Chloroform-d	5.08	84	83306	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.72	65	52251	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
32) Benzene-d6	5.74	84	151472	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.70	67	53747	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.91	98	123823	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	20696	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.64	63	113372	48.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48381	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	50760	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

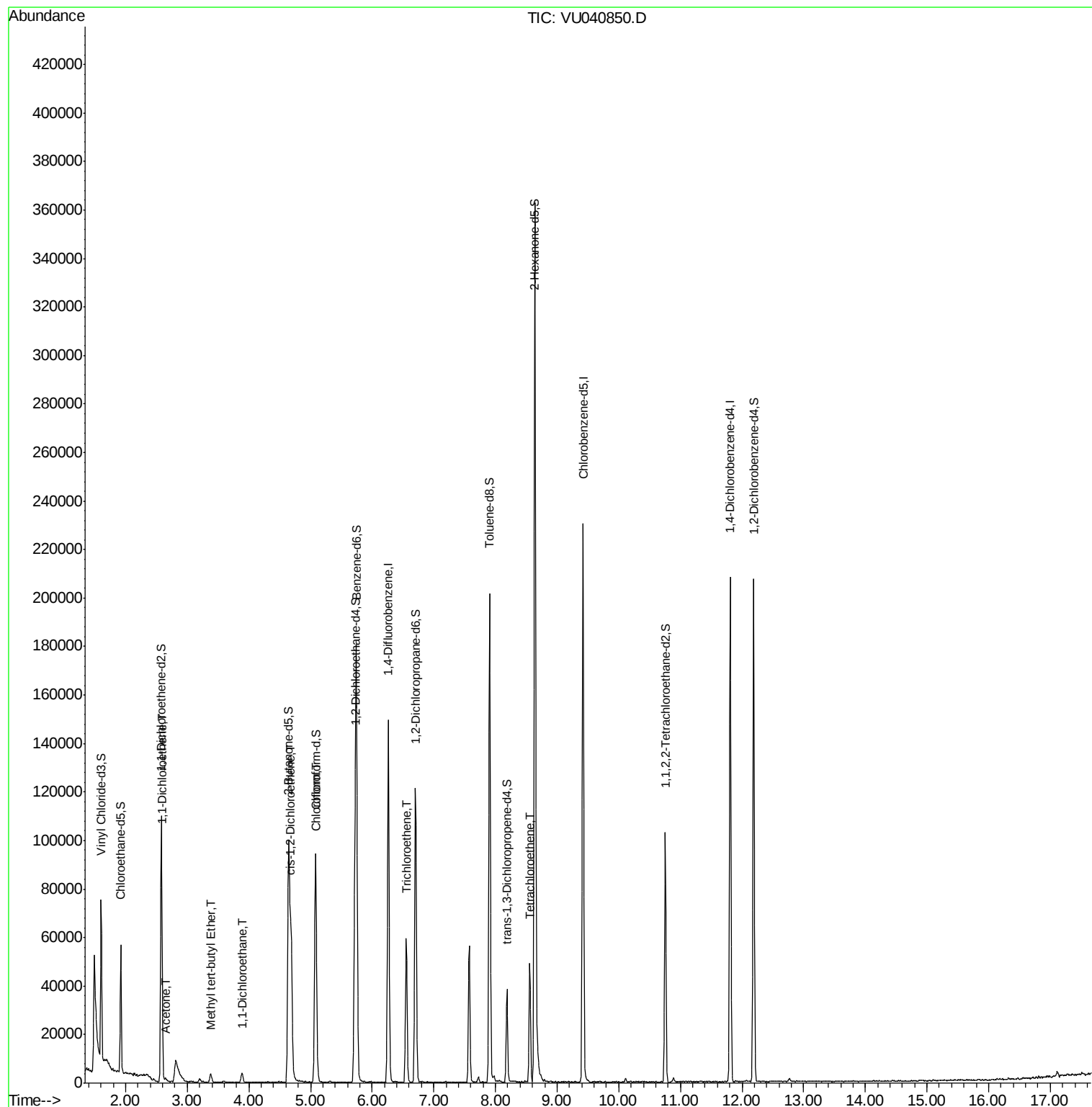
					Ovalue
12) 1,1-Dichloroethene	2.60	96	2984	0.382 ug/L #	1
13) Acetone	2.65	43	2282	1.014 ug/L	92
17) Methyl tert-butyl Ether	3.38	73	3404	0.154 ug/L #	93
19) 1,1-Dichloroethane	3.89	63	4693	0.278 ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	23988	2.721 ug/L	93
25) Chloroform	5.10	83	4058	0.235 ug/L	97
34) Trichloroethene	6.56	95	19613	1.967 ug/L	99
47) Tetrachloroethene	8.56	164	10248	1.440 ug/L	97

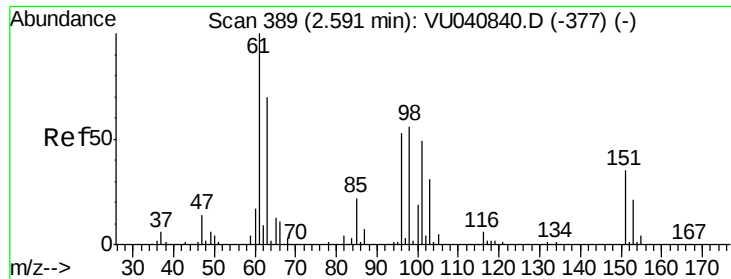
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.382 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.01 min

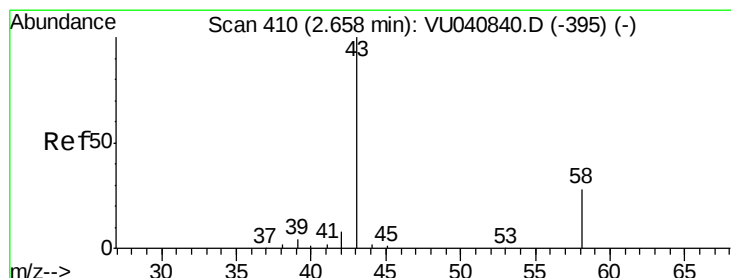
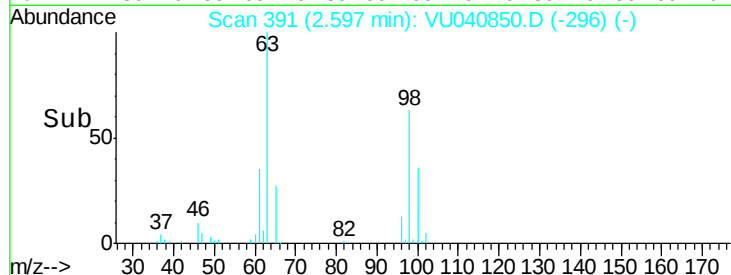
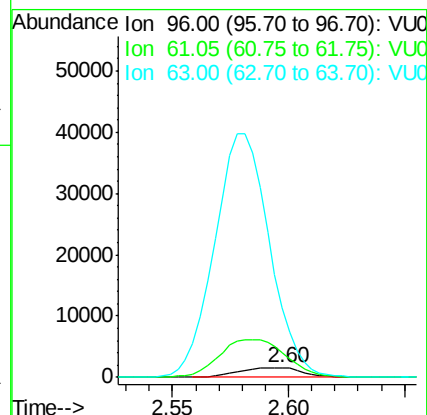
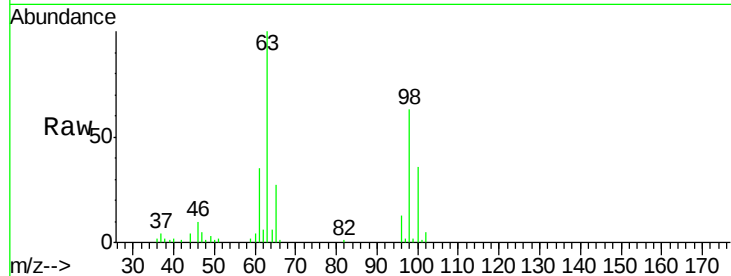
Lab File: VU040850.D

Acq: 20 Oct 2020 16:01

Instrument :
MSVOA_U
ClientSampleId :
C0AK2

Tot Ion: 96 Resp: 2984

Ion	Ratio	Lower	Upper
96	100		
61	264.7	128.8	239.2#
63	748.6	84.6	157.2#



#13

Acetone

Concen: 1.014 ug/L

RT: 2.65 min Scan# 408

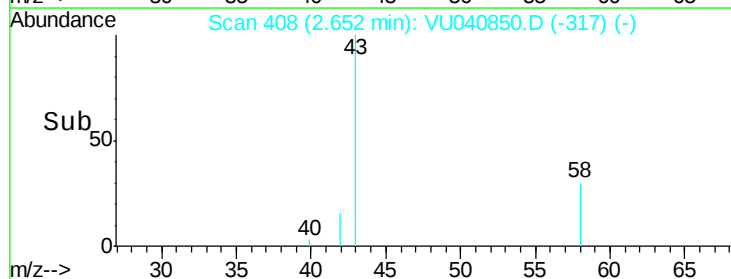
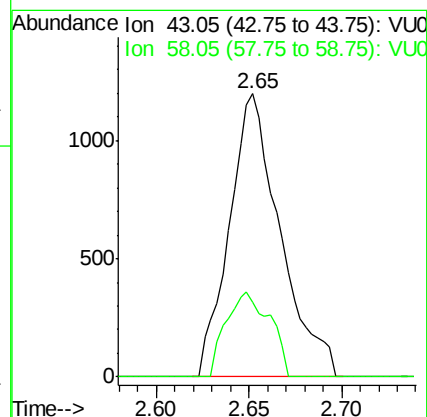
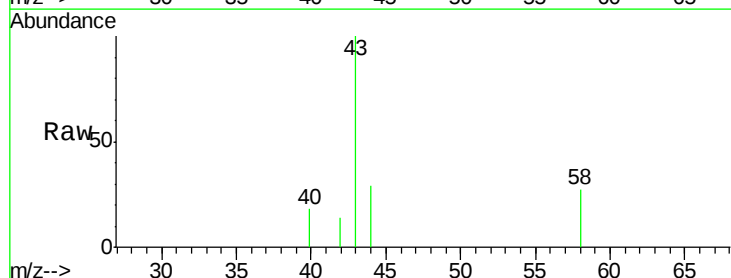
Delta R.T. -0.01 min

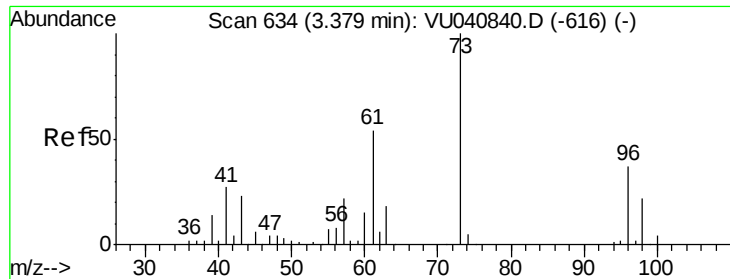
Lab File: VU040850.D

Acq: 20 Oct 2020 16:01

Tgt Ion: 43 Resp: 2282

Ion	Ratio	Lower	Upper
43	100		
58	25.8	0.0	60.6

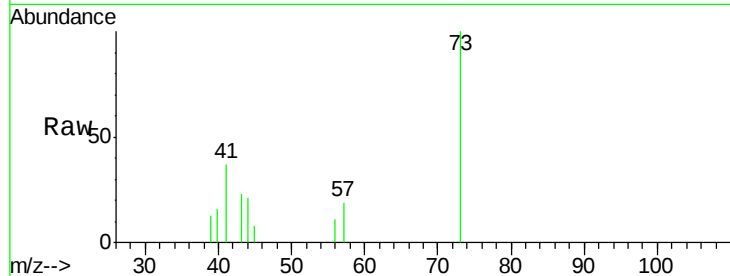




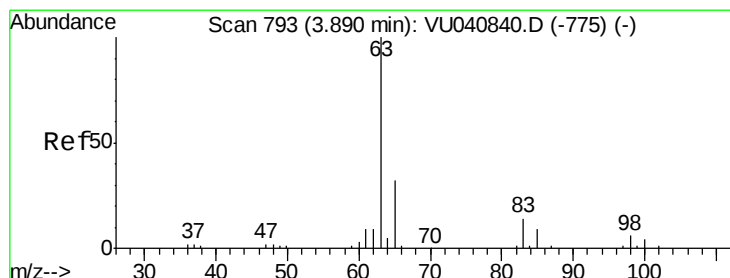
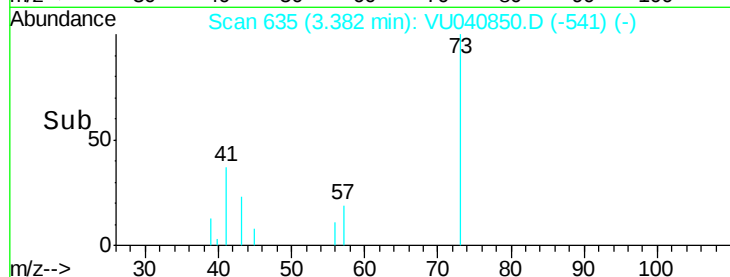
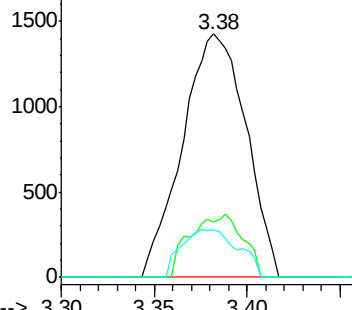
#17
Methvl tert-butvl Ether
Concen: 0.154 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040850.D
Acq: 20 Oct 2020 16:01

Instrument :
MSVOA_U
ClientSampleId :
C0AK2

Tot Ion: 73 Resp: 3404
Ion Ratio Lower Upper
73 100
43 21.5 18.2 27.4
57 17.6 18.6 28.0#

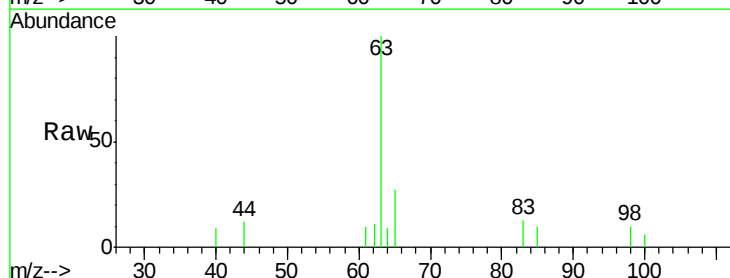


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

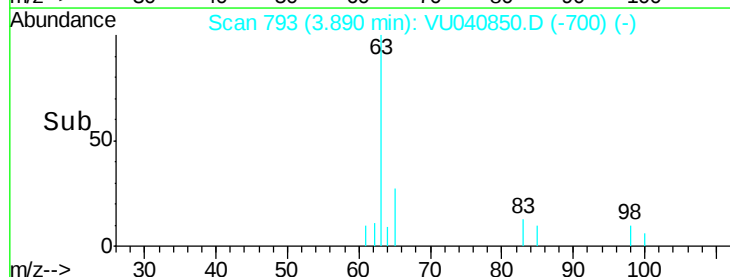
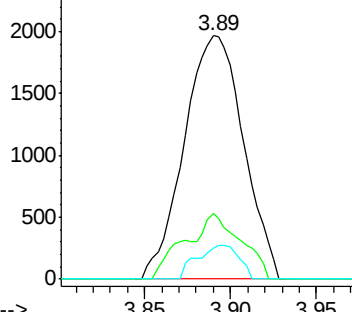


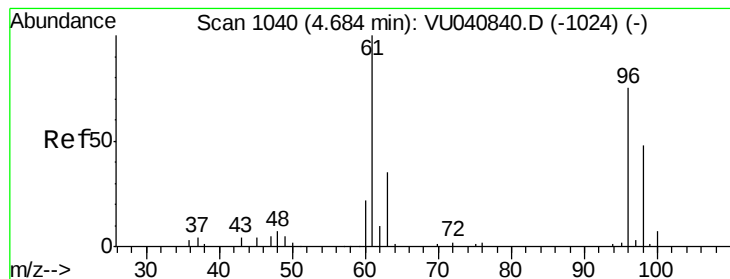
#19
1,1-Dichloroethane
Concen: 0.278 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU040850.D
Acq: 20 Oct 2020 16:01

Tgt Ion: 63 Resp: 4693
Ion Ratio Lower Upper
63 100
65 27.1 21.9 40.7
83 13.0 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 2.721 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040850.D

Acq: 20 Oct 2020 16:01

Instrument :

MSVOA_U

ClientSampleId :

C0AK2

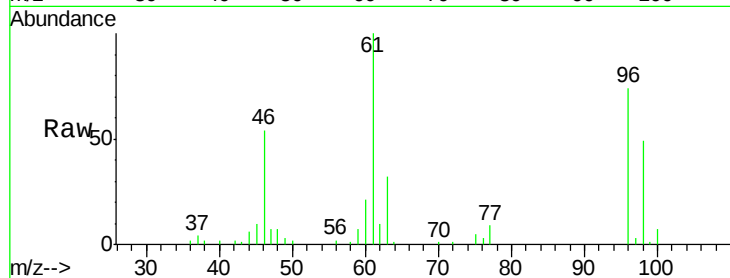
Tot Ion: 96 Resp: 23988

Ion Ratio Lower Upper

96 100

61 134.4 99.8 185.4

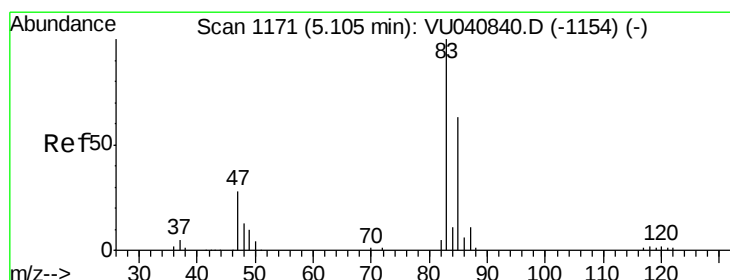
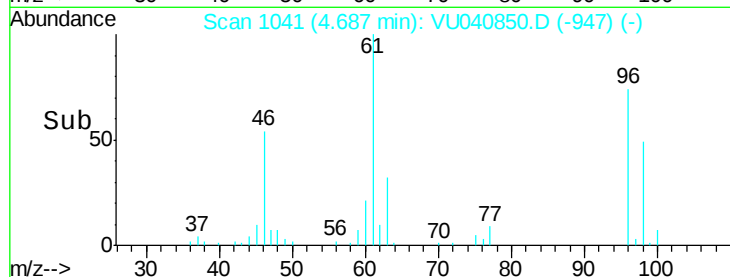
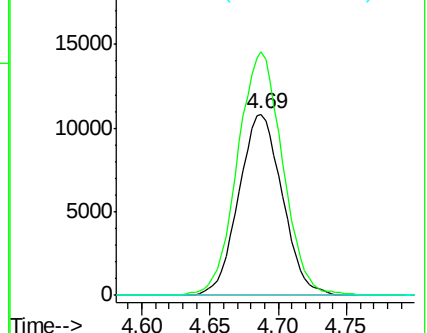
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040840.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040840.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040840.D (-1024) (-)



#25

Chloroform

Concen: 0.235 ug/L

RT: 5.10 min Scan# 1169

Delta R.T. -0.01 min

Lab File: VU040850.D

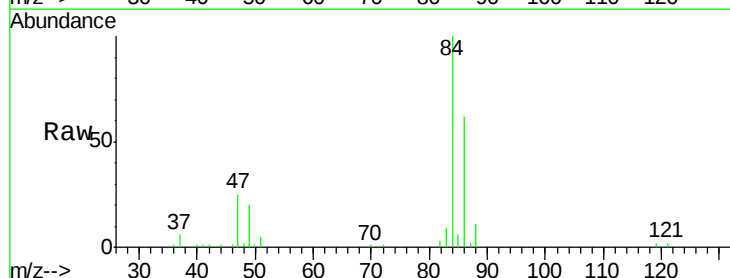
Acq: 20 Oct 2020 16:01

Tgt Ion: 83 Resp: 4058

Ion Ratio Lower Upper

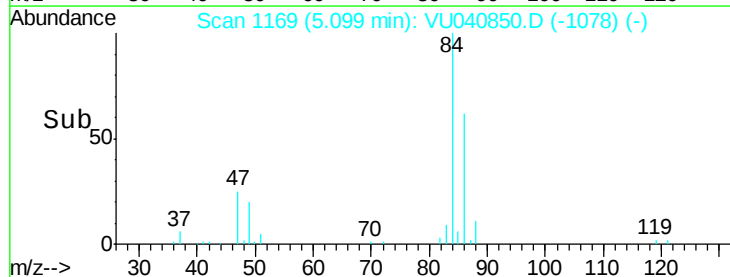
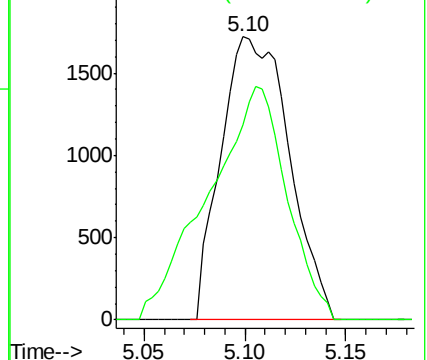
83 100

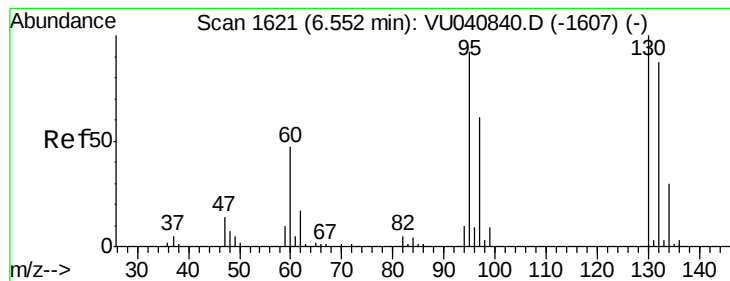
85 68.9 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040840.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU040840.D (-1154) (-)





#34

Trichloroethene

Concen: 1.967 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040850.D

Acq: 20 Oct 2020 16:01

Instrument :

MSVOA_U

ClientSampleId :

C0AK2

Tot Ion: 95 Resp: 19613

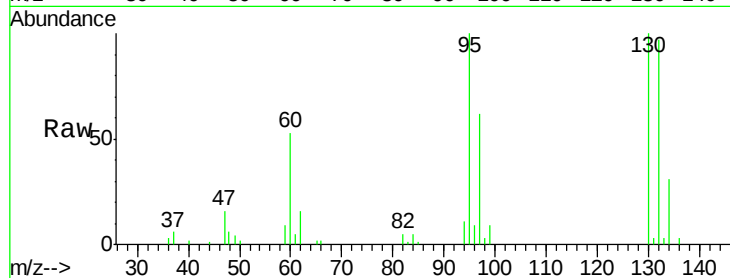
Ion Ratio Lower Upper

95 100

97 62.3 45.5 84.5

132 97.1 67.5 125.4

130 99.8 69.9 129.9

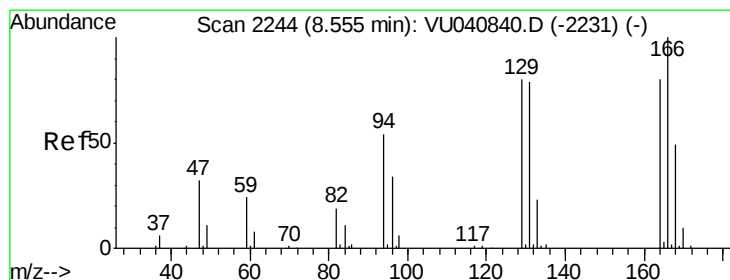
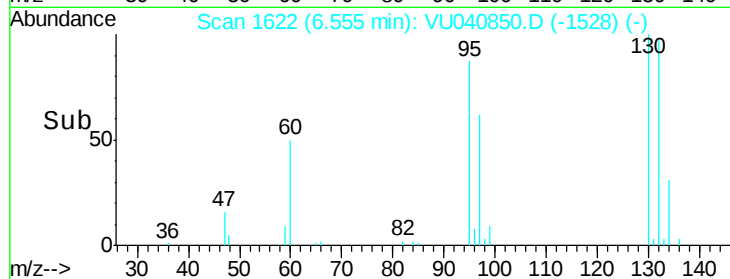
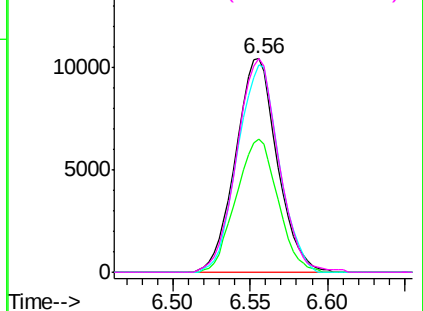


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#47

Tetrachloroethene

Concen: 1.440 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040850.D

Acq: 20 Oct 2020 16:01

Tgt Ion:164 Resp: 10248

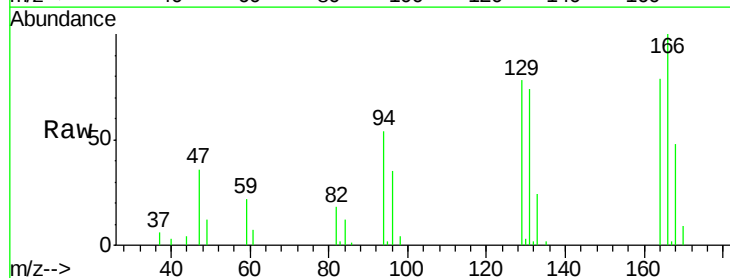
Ion Ratio Lower Upper

164 100

129 98.9 68.8 127.8

131 93.3 66.7 123.9

166 126.1 83.9 155.7



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

