

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040827.D
 Acq On : 20 Oct 2020 00:37
 Operator : SY/MD
 Sample : L4420-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK5

Quant Time: Oct 20 06:11:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	108793	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	113765	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45772	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24860	2.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	55.20%
7) Chloroethane-d5	1.92	69	27629	3.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.40%
11) 1,1-Dichloroethene-d2	2.58	63	45427	2.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.60%#
20) 2-Butanone-d5	4.66	46	167004	57.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.78%
24) Chloroform-d	5.08	84	76598	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.72	65	49214	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.75	84	127819	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.70	67	48521	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.91	98	91506	3.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.60%#
43) trans-1,3-Dichloropropene-	8.19	79	17410	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.64	63	112213	50.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	46457	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	43392	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

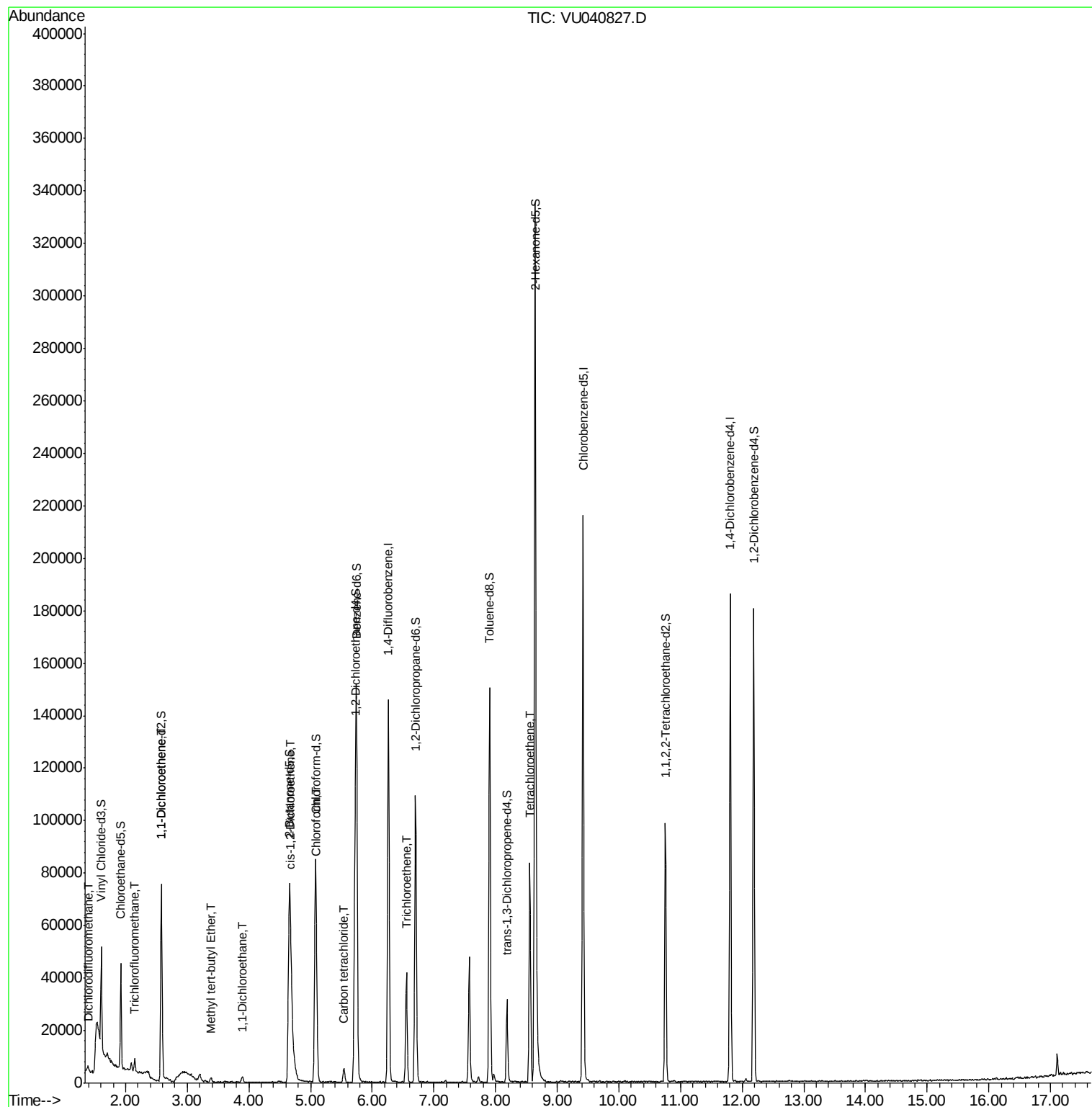
					Ovalue
2) Dichlorodifluoromethane	1.39	85	779	0.079 ug/L	91
9) Trichlorofluoromethane	2.15	101	2872	0.206 ug/L	90
12) 1,1-Dichloroethene	2.59	96	2399	0.309 ug/L #	1
17) Methyl tert-butyl Ether	3.39	73	1688	0.077 ug/L	97
19) 1,1-Dichloroethane	3.89	63	2926	0.174 ug/L #	95
22) cis-1,2-Dichloroethene	4.68	96	1826	0.208 ug/L	87
25) Chloroform	5.10	83	5088	0.297 ug/L	95
31) Carbon tetrachloride	5.54	117	3899	0.298 ug/L	96
34) Trichloroethene	6.55	95	13638	1.440 ug/L	95
47) Tetrachloroethene	8.56	164	17730	2.623 ug/L	95

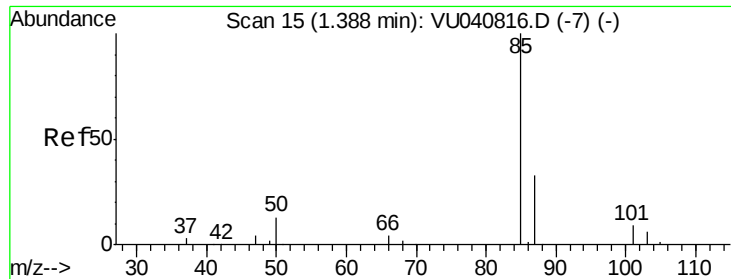
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.079 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040827.D

Acq: 20 Oct 2020 00:37

Instrument :

MSVOA_U

ClientSampleId :

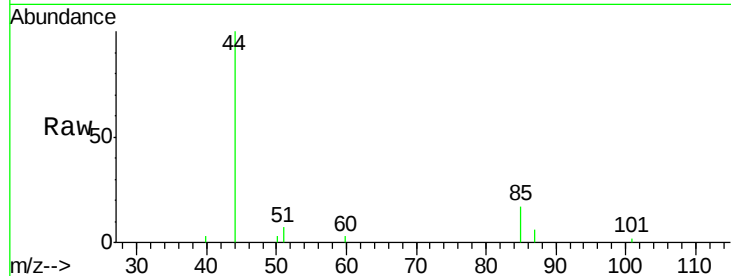
C0AK5

Tot Ion: 85 Resp: 779

Ion Ratio Lower Upper

85 100

87 27.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU040816.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040816.D (-7) (-)

1.39

800

600

400

200

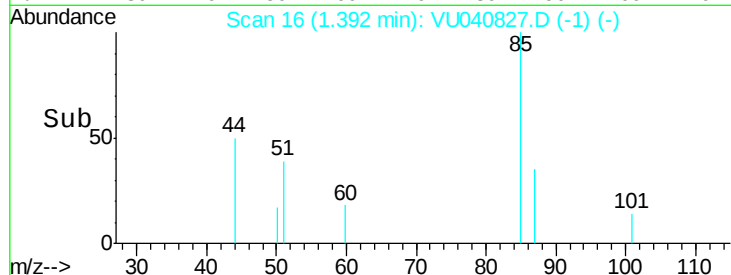
0

1.36

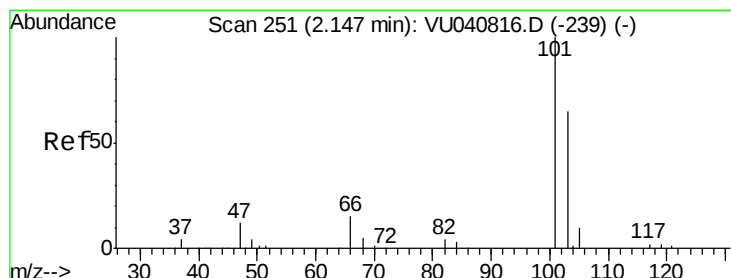
1.38

1.40

1.42



Time-->



#9

Trichlorofluoromethane

Concen: 0.206 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU040827.D

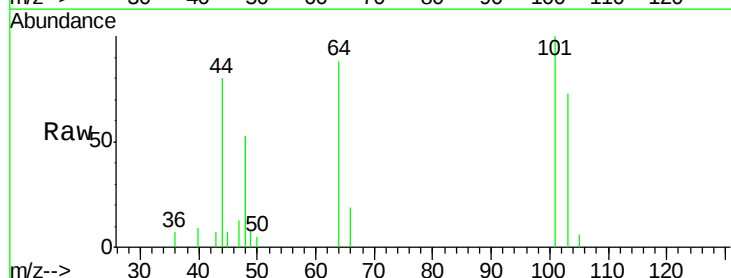
Acq: 20 Oct 2020 00:37

Tgt Ion: 101 Resp: 2872

Ion Ratio Lower Upper

101 100

103 73.6 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU040816.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040816.D (-239) (-)

2.15

2000

1500

1000

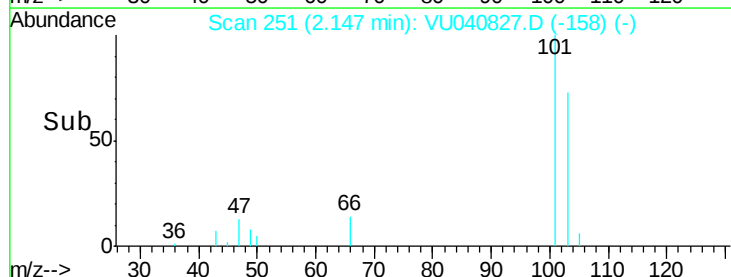
500

0

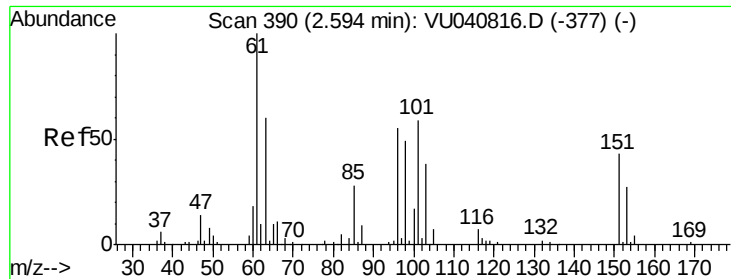
2.10

2.15

2.20



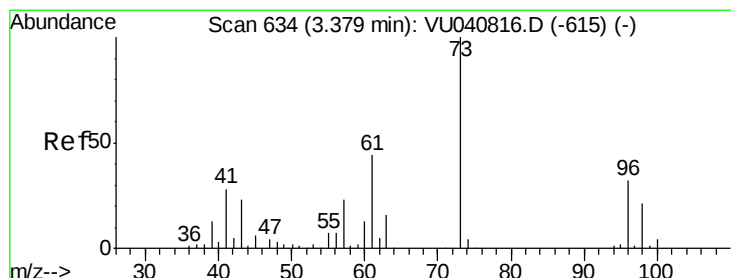
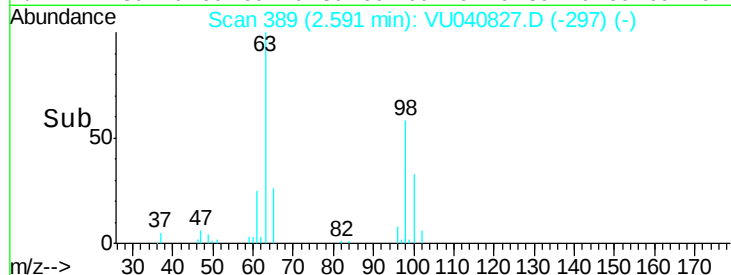
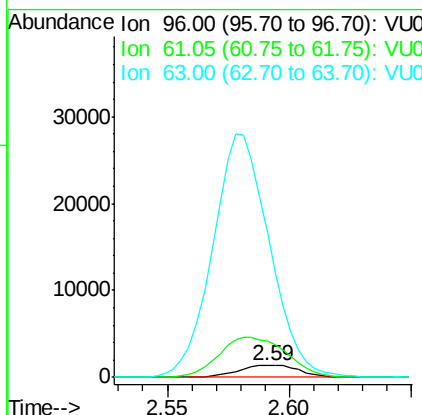
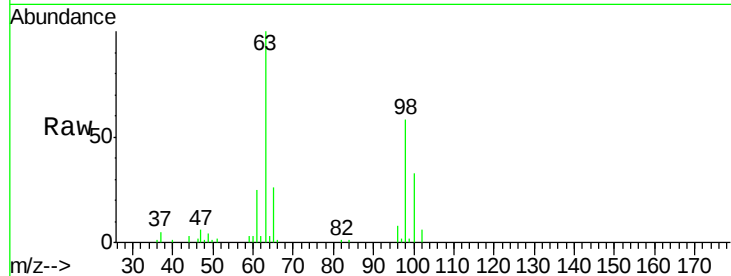
Time-->



#12
 1,1-Dichloroethene
 Concen: 0.309 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VU040827.D
 Acq: 20 Oct 2020 00:37

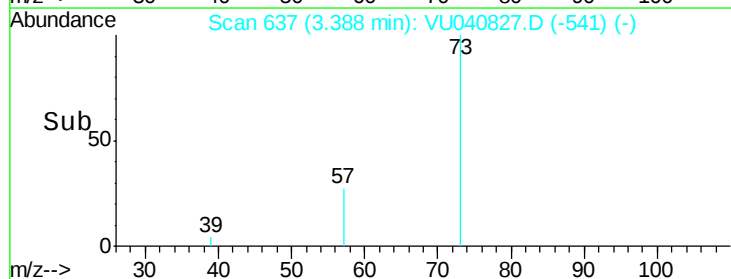
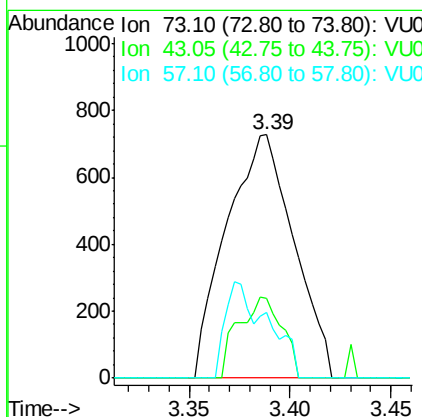
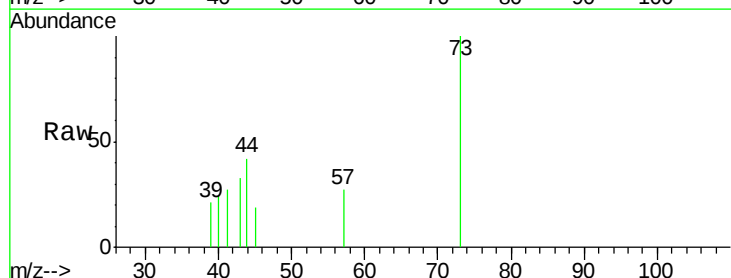
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AK5

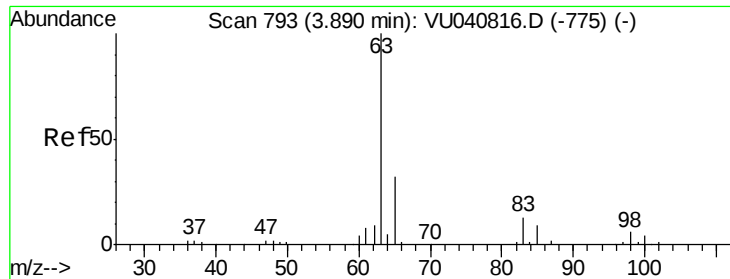
Tot Ion: 96 Resp: 2399
 Ion Ratio Lower Upper
 96 100
 61 304.9 128.8 239.2#
 63 1221.9 84.6 157.2#



#17
 Methyl tert-butyl Ether
 Concen: 0.077 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VU040827.D
 Acq: 20 Oct 2020 00:37

Tgt Ion: 73 Resp: 1688
 Ion Ratio Lower Upper
 73 100
 43 21.7 18.2 27.4
 57 25.0 18.6 28.0

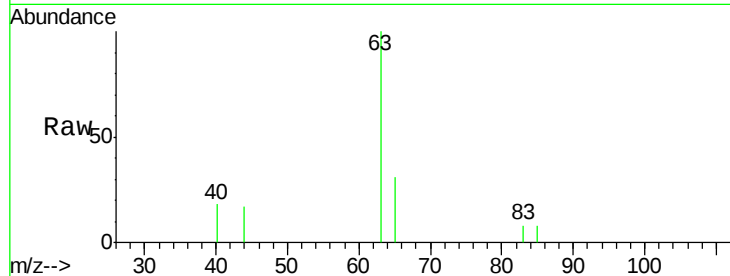




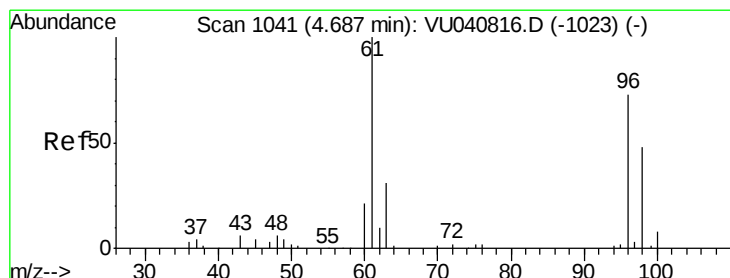
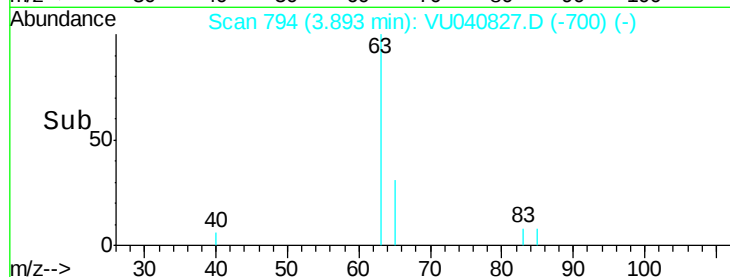
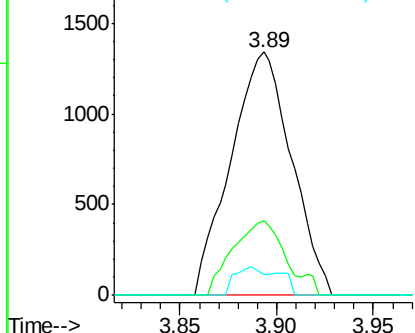
#19
 1,1-Dichloroethane
 Concen: 0.174 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU040827.D
 Acq: 20 Oct 2020 00:37

Instrument :
 MSVOA_U
 ClientSampled :
 C0AK5

Tot Ion: 63 Resp: 2926
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.9 40.7
 83 8.4 9.6 17.8#

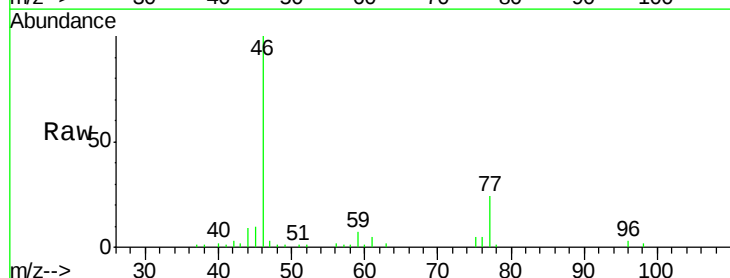


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

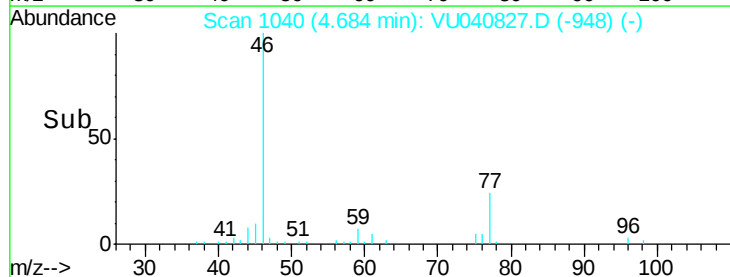
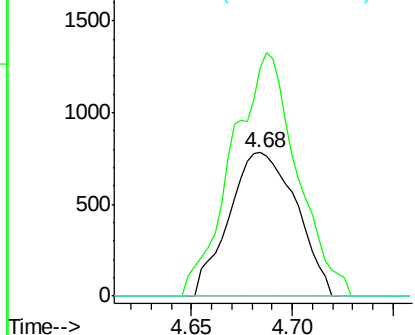


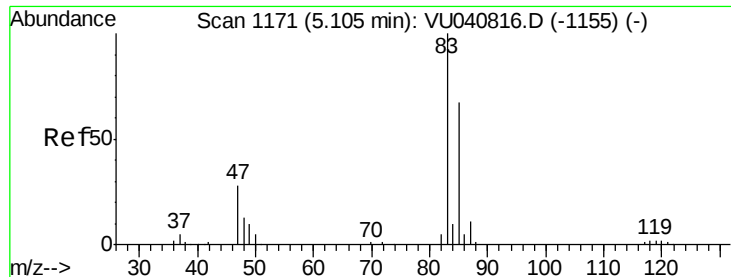
#22
 cis-1,2-Dichloroethene
 Concen: 0.208 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040827.D
 Acq: 20 Oct 2020 00:37

Tgt Ion: 96 Resp: 1826
 Ion Ratio Lower Upper
 96 100
 61 159.2 99.8 185.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

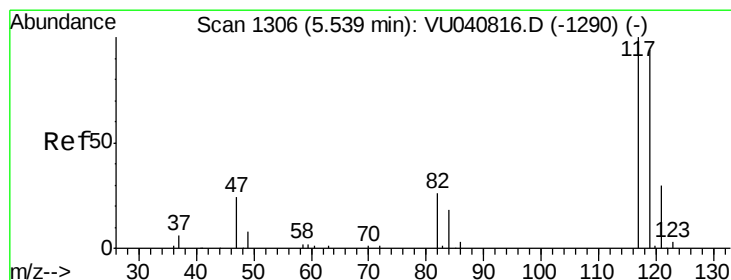
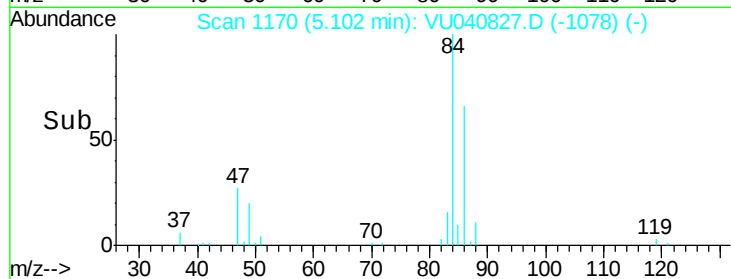
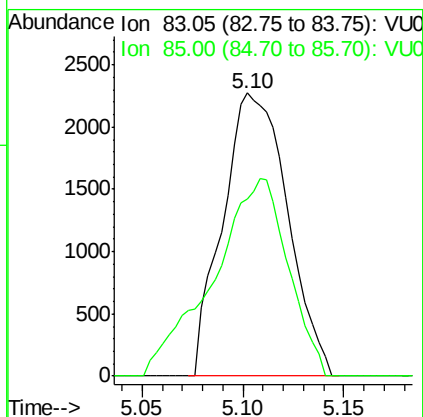
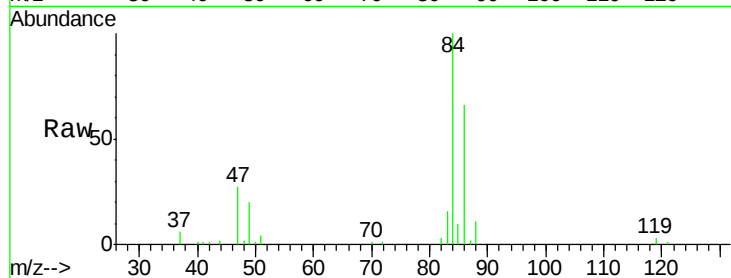




#25
Chloroform
Concen: 0.297 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040827.D
Acq: 20 Oct 2020 00:37

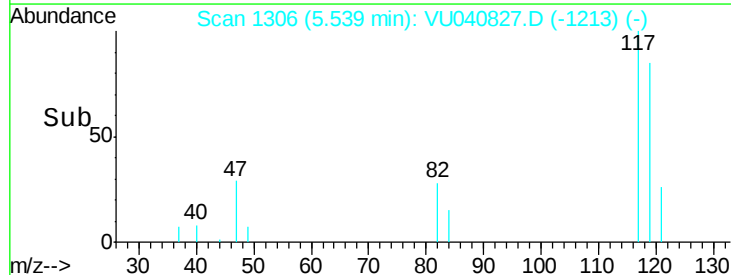
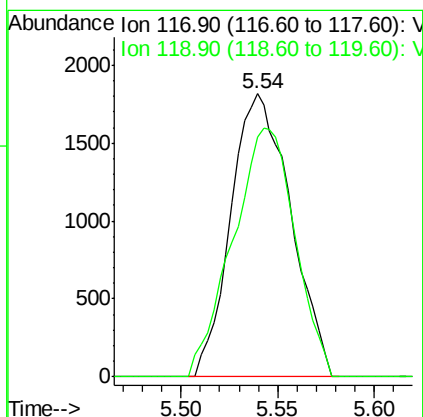
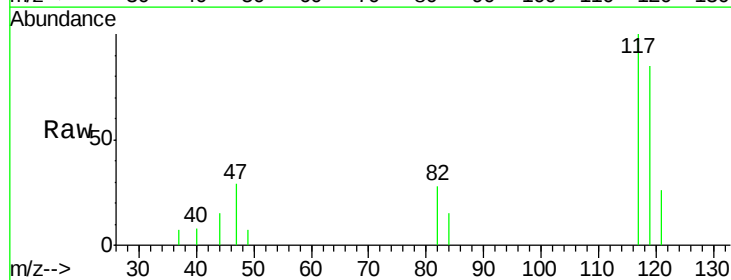
Instrument :
MSVOA_U
ClientSampleId :
C0AK5

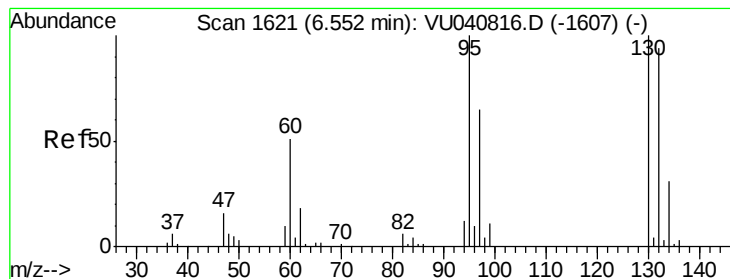
Tot Ion: 83 Resp: 5088
Ion Ratio Lower Upper
83 100
85 62.6 46.5 86.5



#31
Carbon tetrachloride
Concen: 0.298 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU040827.D
Acq: 20 Oct 2020 00:37

Tgt Ion: 117 Resp: 3899
Ion Ratio Lower Upper
117 100
119 91.6 76.2 114.2





#34

Trichloroethene

Concen: 1.440 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU040827.D

Acq: 20 Oct 2020 00:37

Instrument :

MSVOA_U

ClientSampleId :

C0AK5

Tot Ion: 95 Resp: 13638

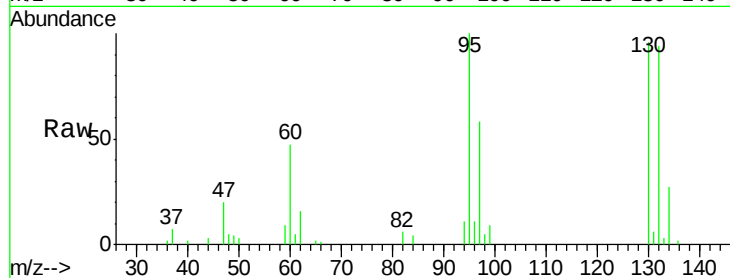
Ion Ratio Lower Upper

95 100

97 58.0 45.5 84.5

132 93.9 67.5 125.4

130 95.6 69.9 129.9

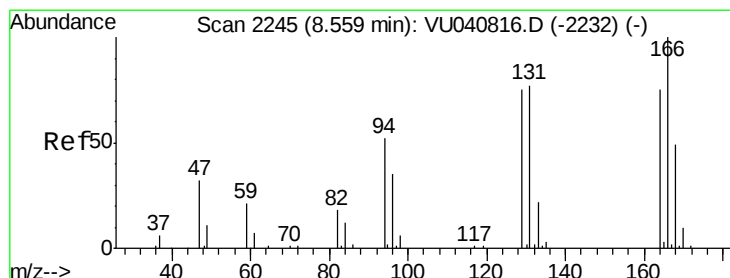
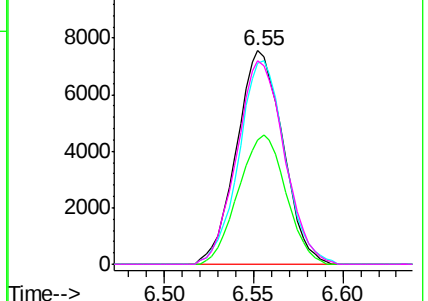
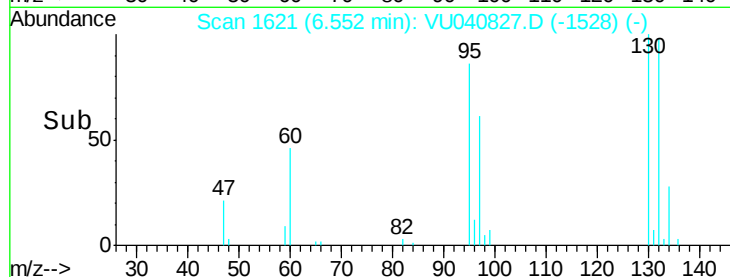


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 2.623 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040827.D

Acq: 20 Oct 2020 00:37

Tgt Ion: 164 Resp: 17730

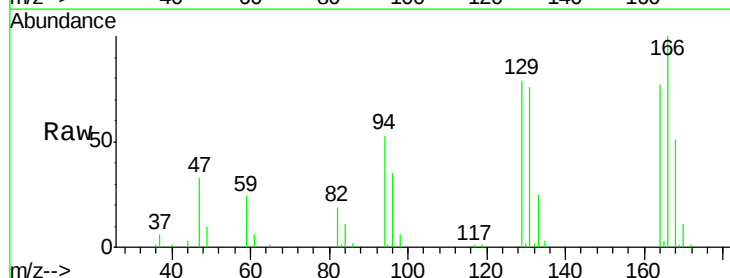
Ion Ratio Lower Upper

164 100

129 102.7 68.8 127.8

131 97.7 66.7 123.9

166 129.3 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

