

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U051420\
 Data File : VU038172.D
 Acq On : 14 May 2020 16:18
 Operator : JC/MD
 Sample : L2631-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF8N4

Quant Time: May 15 02:48:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 01:05:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	325231	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	317554	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149476	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	105244	3.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.80%
7) Chloroethane-d5	1.93	69	106456	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	2.59	63	147535	2.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.40%#
20) 2-Butanone-d5	4.67	46	462294	62.98	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.96%
24) Chloroform-d	5.10	84	211335	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.74	65	132086	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.76	84	434566	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.72	67	147788	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.92	98	380430	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	8.20	79	54574	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.65	63	370810	63.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.66%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	128439	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	143701	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

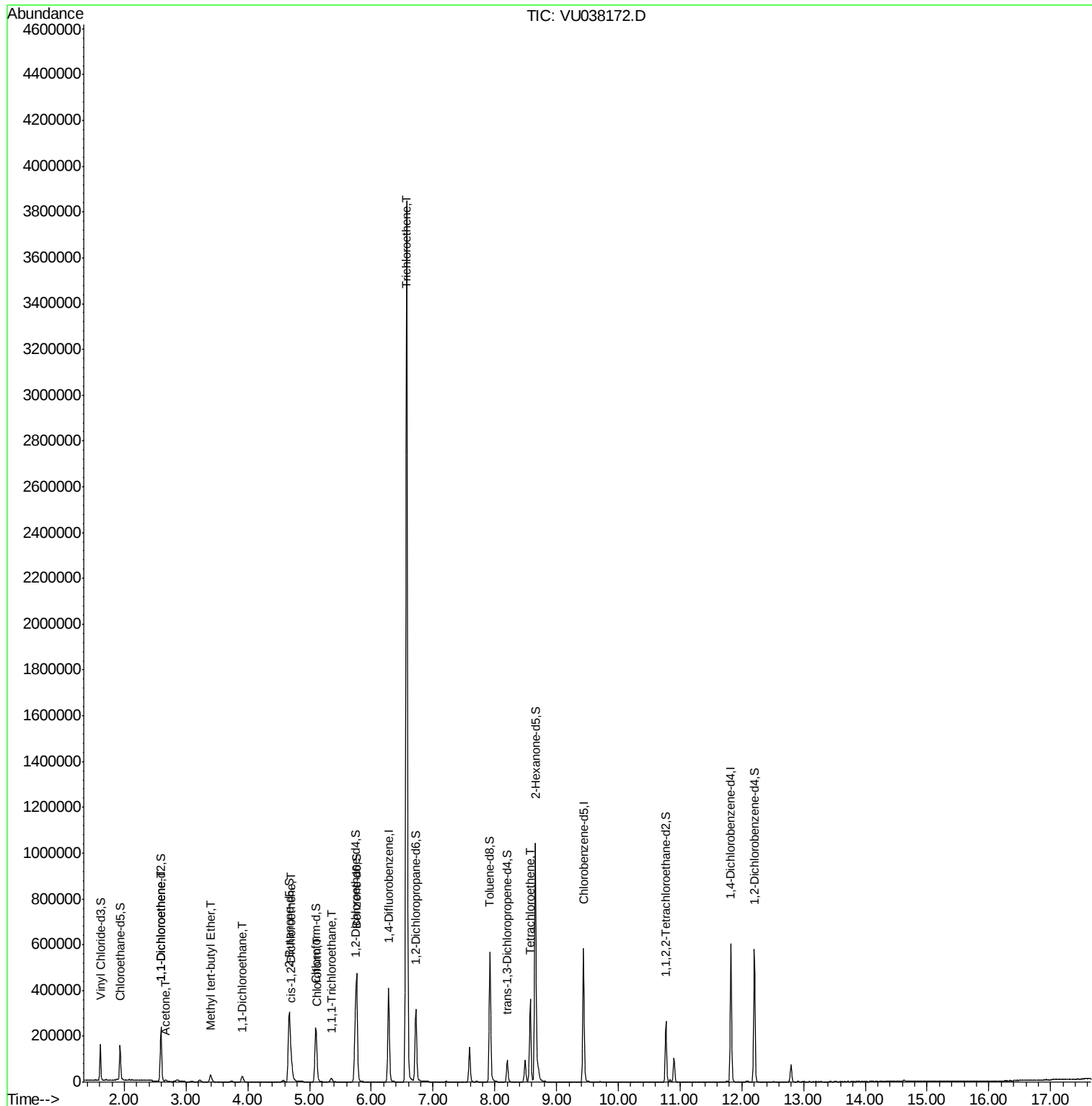
					Ovalue
12) 1,1-Dichloroethene	2.60	96	5381	0.238 ug/L #	1
13) Acetone	2.67	43	12347	2.681 ug/L	91
17) Methyl tert-butyl Ether	3.40	73	30433	0.485 ug/L #	92
19) 1,1-Dichloroethane	3.91	63	27545	0.572 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	24462	0.921 ug/L	92
25) Chloroform	5.13	83	18990	0.423 ug/L	93
29) 1,1,1-Trichloroethane	5.35	97	10857	0.298 ug/L	96
34) Trichloroethene	6.57	95	1306852	51.383 ug/L	99
47) Tetrachloroethene	8.57	164	81069	4.557 ug/L	97

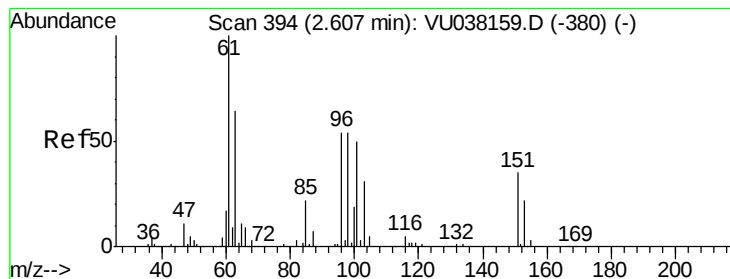
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.238 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038172.D

Acq: 14 May 2020 16:18

Instrument :

MSVOA_U

ClientSampleId :

BF8N4

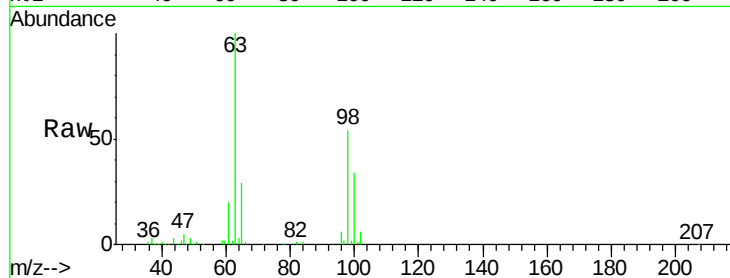
Tot Ion: 96 Resp: 5381

Ion Ratio Lower Upper

96 100

61 352.5 126.2 234.4#

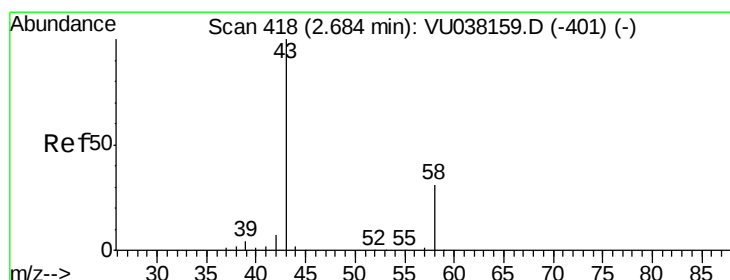
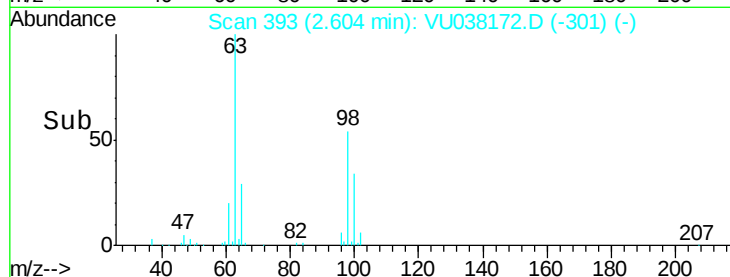
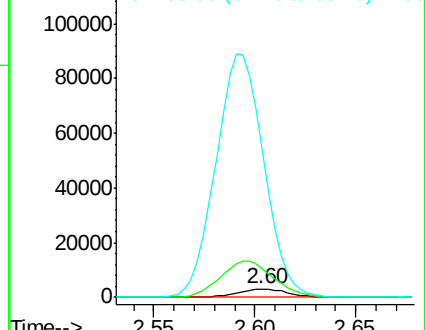
63 1803.3 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 2.681 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.02 min

Lab File: VU038172.D

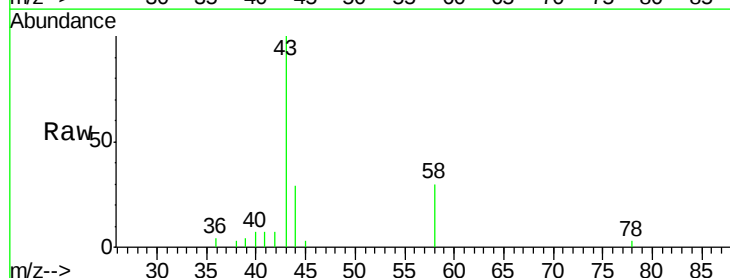
Acq: 14 May 2020 16:18

Tgt Ion: 43 Resp: 12347

Ion Ratio Lower Upper

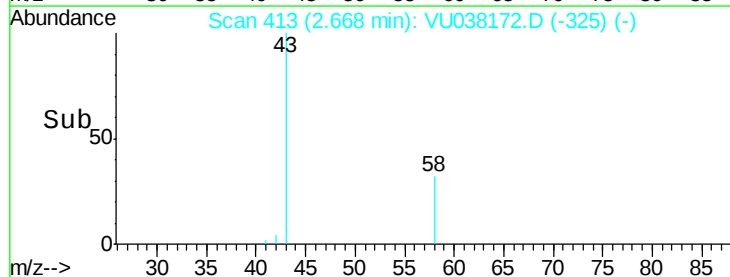
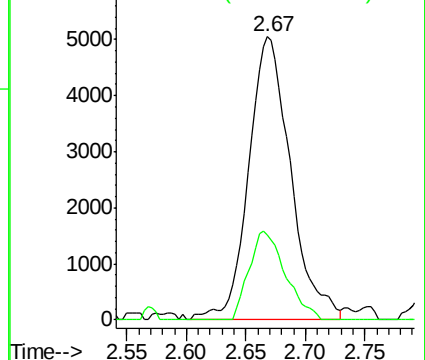
43 100

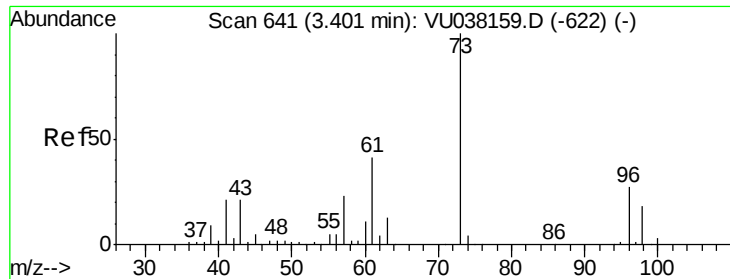
58 27.1 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

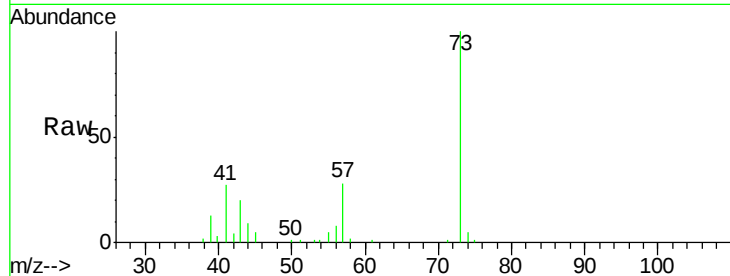




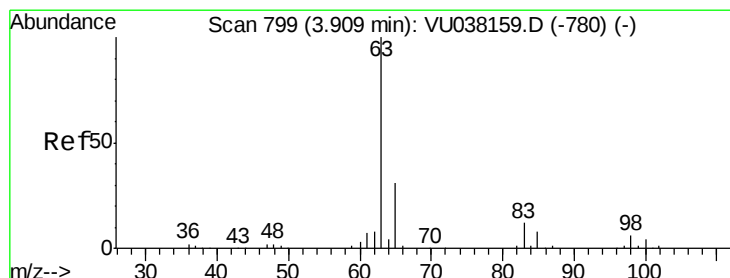
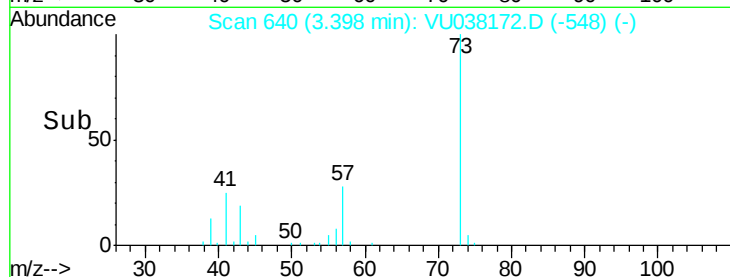
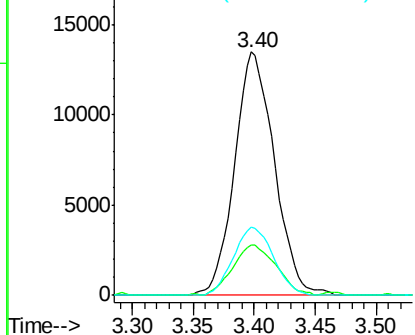
#17
Methvl tert-butvl Ether
Concen: 0.485 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038172.D
Acq: 14 May 2020 16:18

Instrument :
MSVOA_U
ClientSampleId :
BF8N4

Tot Ion: 73 Resp: 30433
Ion Ratio Lower Upper
73 100
43 22.6 16.9 25.3
57 28.2 18.2 27.2#

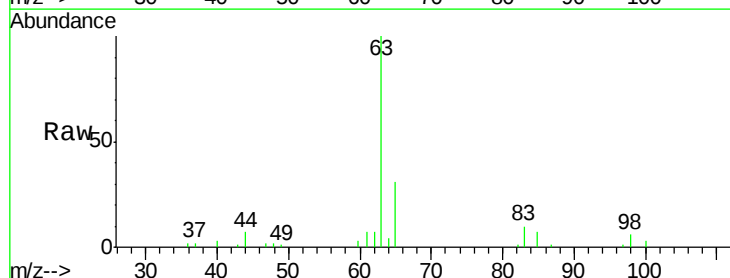


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

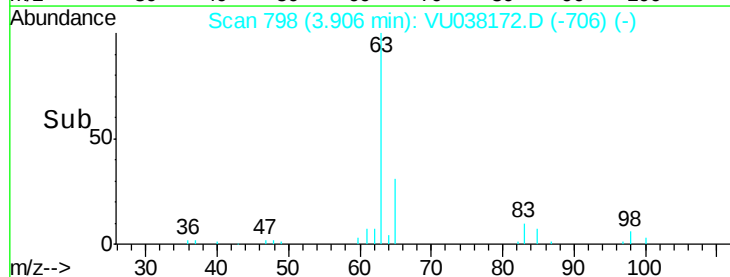
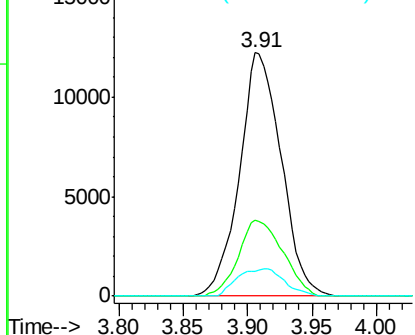


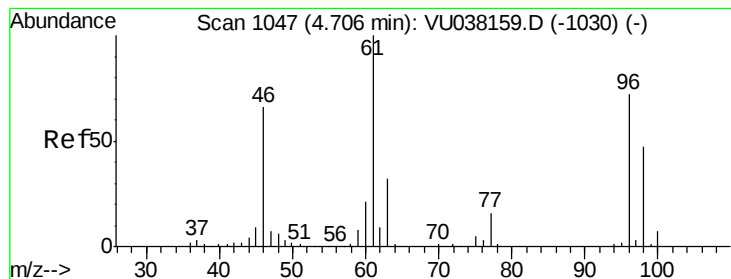
#19
1,1-Dichloroethane
Concen: 0.572 ug/L
RT: 3.91 min Scan# 798
Delta R.T. -0.00 min
Lab File: VU038172.D
Acq: 14 May 2020 16:18

Tgt Ion: 63 Resp: 27545
Ion Ratio Lower Upper
63 100
65 31.0 22.5 41.7
83 10.2 8.9 16.5



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: 0.921 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038172.D

Acq: 14 May 2020 16:18

Instrument :

MSVOA_U

ClientSampleId :

BF8N4

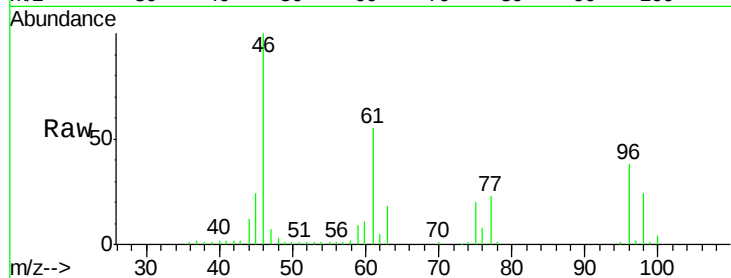
Tot Ion: 96 Resp: 24462

Ion Ratio Lower Upper

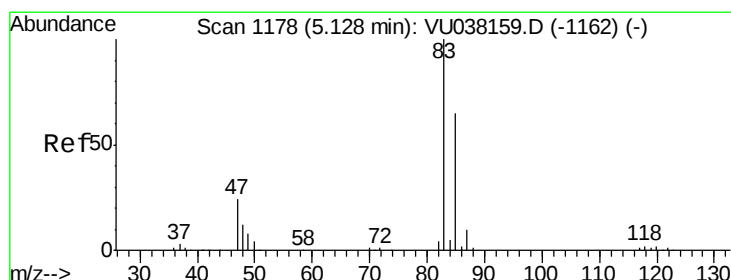
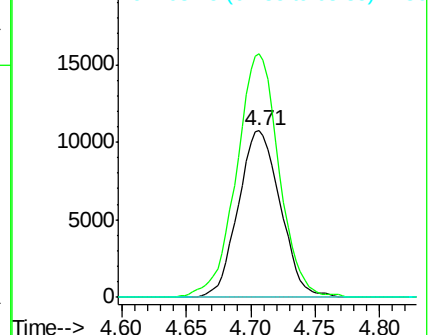
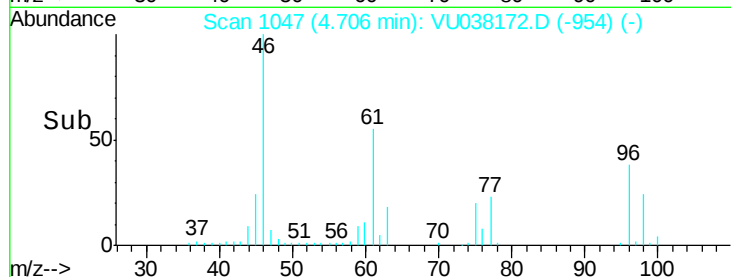
96 100

61 146.0 95.3 176.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038172.D (-954) (-)



#25

Chloroform

Concen: 0.423 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU038172.D

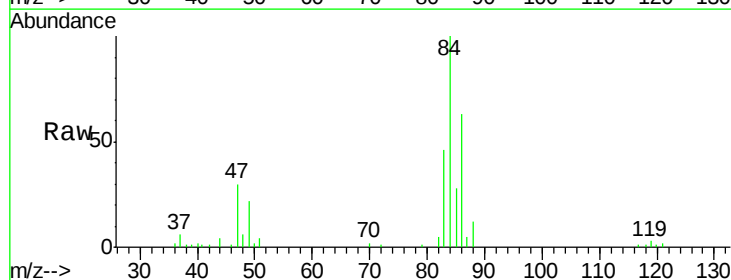
Acq: 14 May 2020 16:18

Tgt Ion: 83 Resp: 18990

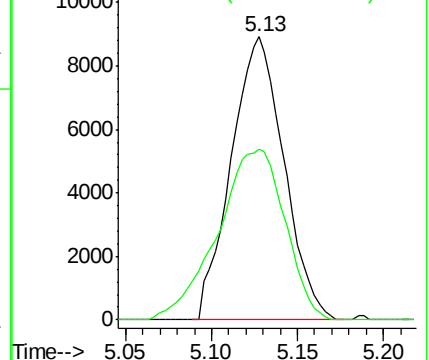
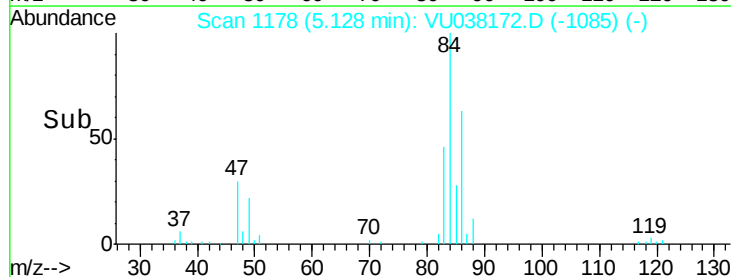
Ion Ratio Lower Upper

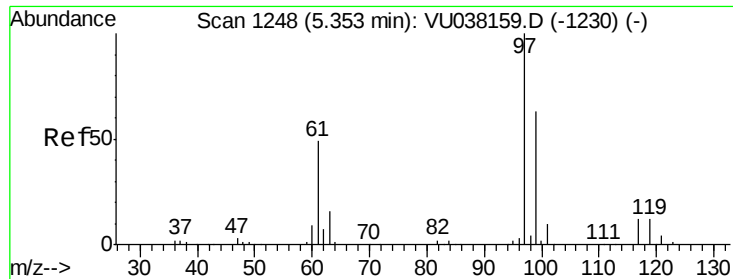
83 100

85 60.1 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VU038172.D (-1085) (-)

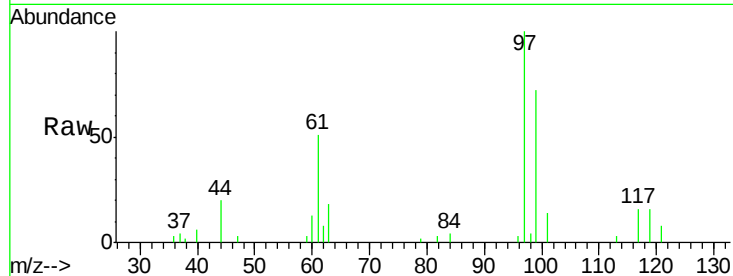




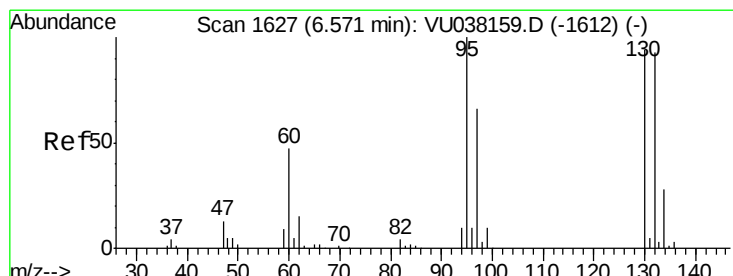
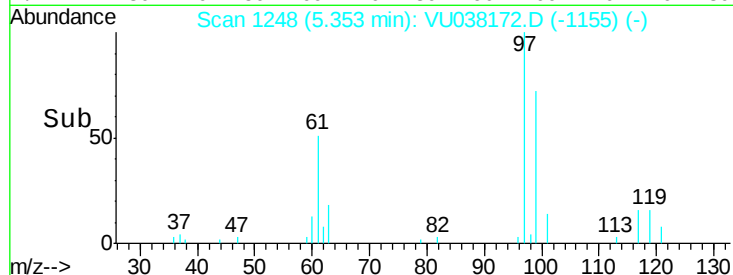
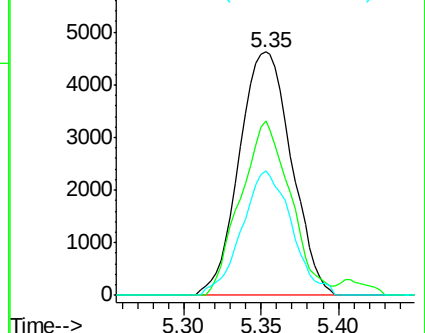
#29
1,1,1-Trichloroethane
Concen: 0.298 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038172.D
Acq: 14 May 2020 16:18

Instrument :
MSVOA_U
ClientSampleId :
BF8N4

Tot Ion: 97 Resp: 10857
Ion Ratio Lower Upper
97 100
99 68.3 51.0 76.4
61 48.6 38.2 57.4

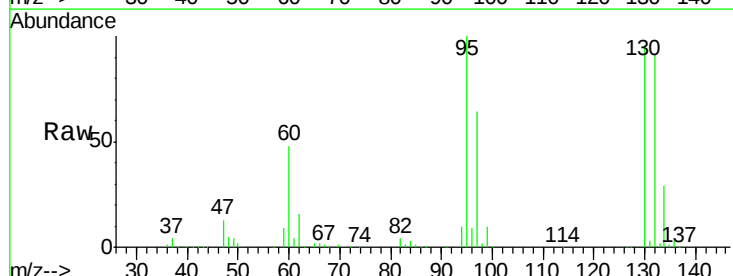


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

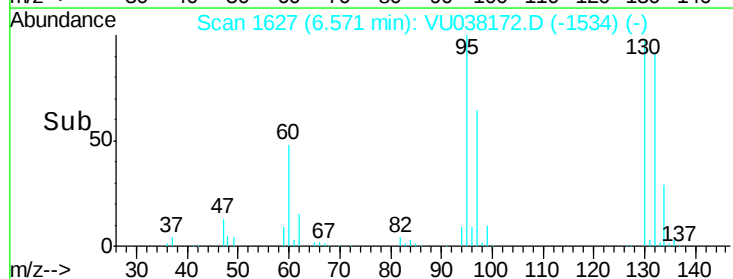
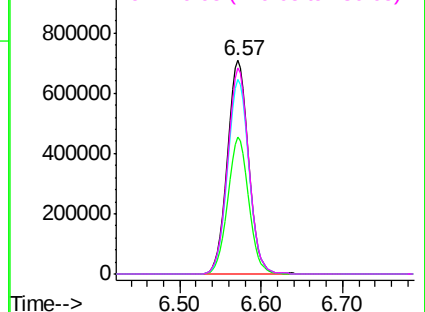


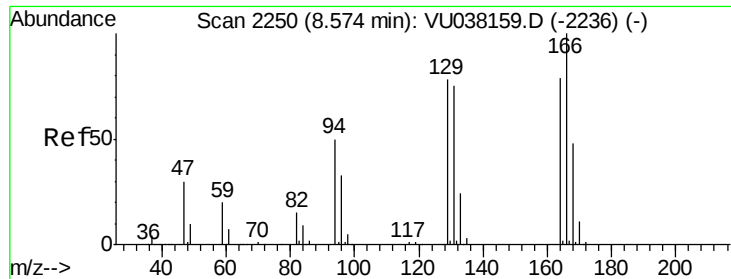
#34
Trichloroethene
Concen: 51.383 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038172.D
Acq: 14 May 2020 16:18

Tgt Ion: 95 Resp: 1306852
Ion Ratio Lower Upper
95 100
97 64.0 44.9 83.3
132 91.0 63.3 117.5
130 96.3 65.7 122.1



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: 4.557 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038172.D

Acq: 14 May 2020 16:18

Instrument :
MSVOA_U
ClientSampleId :
BF8N4

Tot Ion:164 Resp: 81069

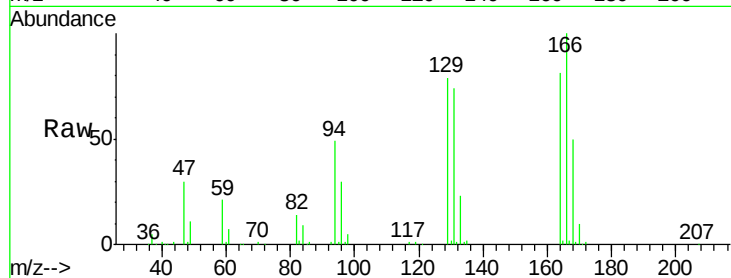
Ion Ratio Lower Upper

164 100

129 97.2 68.8 127.8

131 90.6 66.8 124.2

166 123.1 88.9 165.1



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

