

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038880.D
 Acq On : 13 Jun 2020 03:59
 Operator : SY/MD
 Sample : L2985-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT75

Quant Time: Jun 13 04:28:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 02:52:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	258421	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	266958	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	118901	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	59357	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.93	69	61504	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.80%
11) 1,1-Dichloroethene-d2	2.59	63	148070	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	4.69	46	315114	71.28	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	142.56%#
24) Chloroform-d	5.10	84	169814	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	5.74	65	101356	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.00%
32) Benzene-d6	5.76	84	317891	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.72	67	103374	5.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.80%
41) Toluene-d8	7.92	98	257026	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.20	79	34792	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.66	63	266586	72.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	144.78%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	92990	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	109481	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

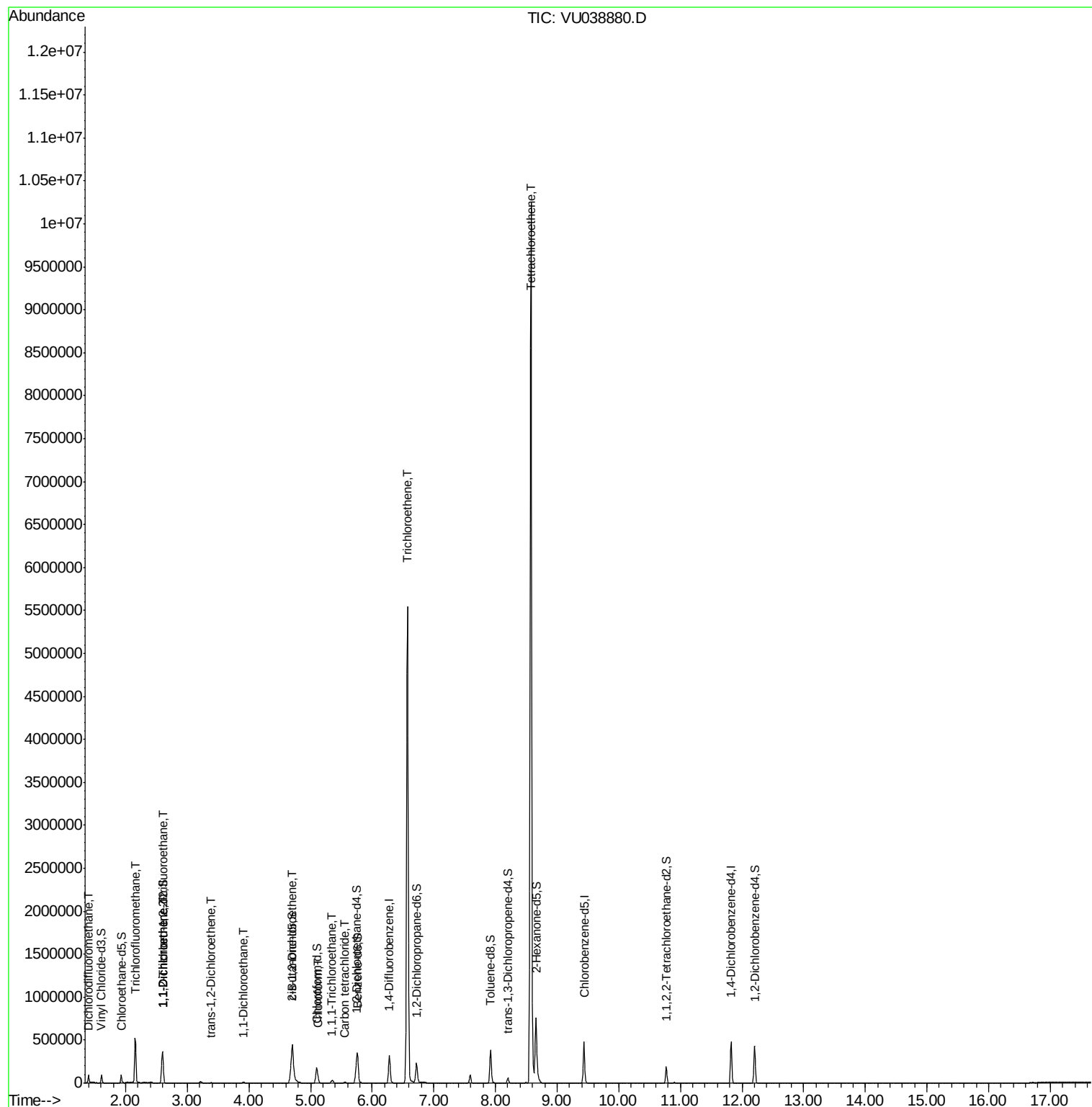
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	31284	1.243	ug/L	99
9) Trichlorofluoromethane	2.16	101	329182	10.054	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	14008	0.748	ug/L	89
12) 1,1-Dichloroethene	2.60	96	80293	4.436	ug/L	92
18) trans-1,2-Dichloroethene	3.39	96	1752	0.090	ug/L	96
19) 1,1-Dichloroethane	3.91	63	14544	0.416	ug/L	95
22) cis-1,2-Dichloroethene	4.71	96	168313	8.316	ug/L	97
25) Chloroform	5.12	83	11958	0.332	ug/L	94
29) 1,1,1-Trichloroethane	5.35	97	25298	0.768	ug/L	99
31) Carbon tetrachloride	5.56	117	7868	0.283	ug/L	99
34) Trichloroethene	6.57	95	1857352	88.172	ug/L	98
47) Tetrachloroethene	8.57	164	2281375	140.679	ug/L	99

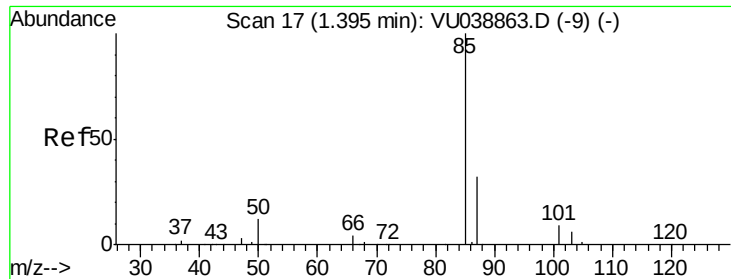
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.243 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038880.D

Acq: 13 Jun 2020 03:59

Instrument :

MSVOA_U

ClientSampleId :

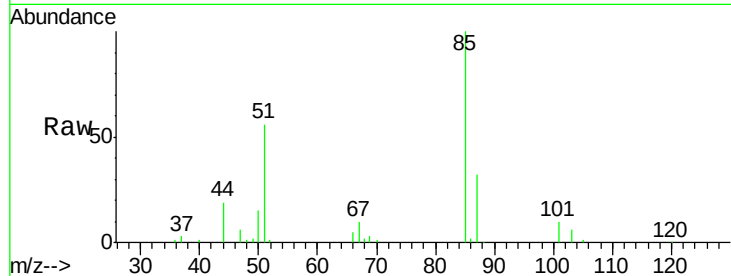
BFT75

Tot Ion: 85 Resp: 31284

Ion Ratio Lower Upper

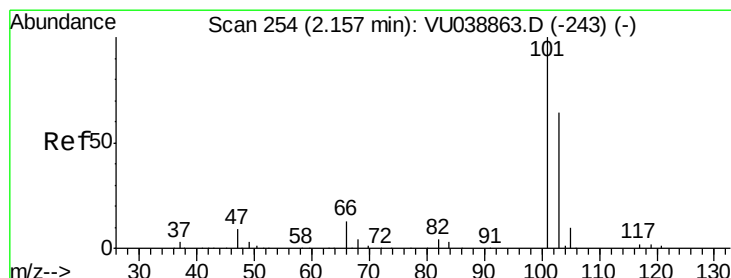
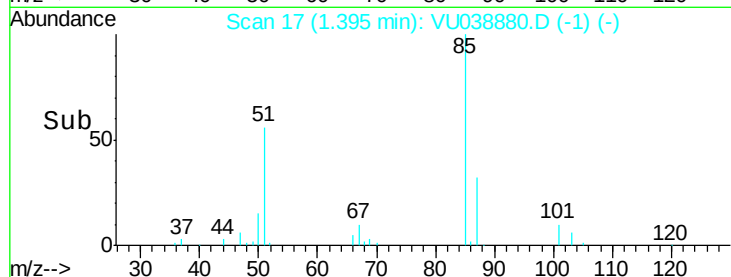
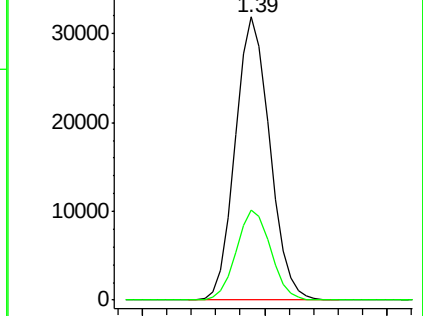
85 100

87 31.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU038863.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038880.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 10.054 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038880.D

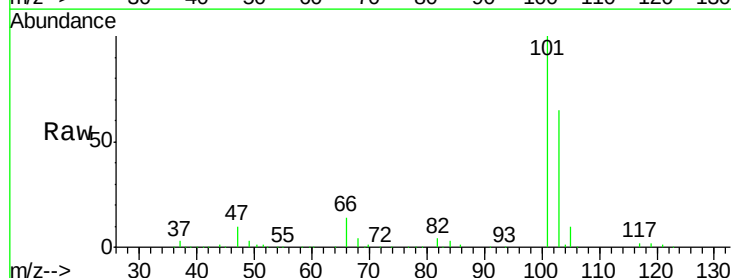
Acq: 13 Jun 2020 03:59

Tgt Ion: 101 Resp: 329182

Ion Ratio Lower Upper

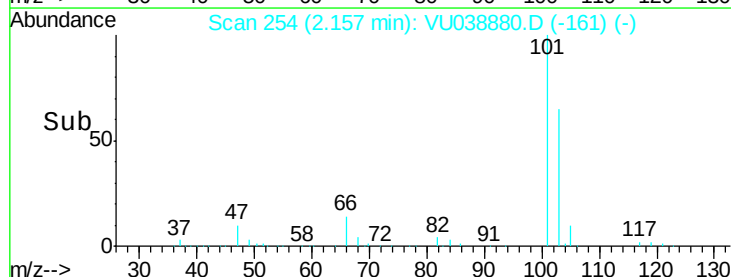
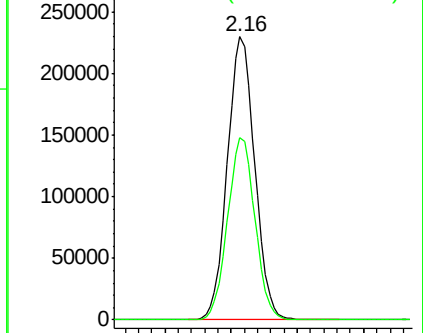
101 100

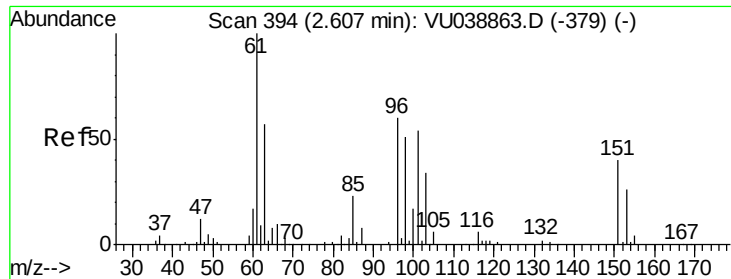
103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VU038863.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU038880.D (-161) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.748 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038880.D

Acq: 13 Jun 2020 03:59

Instrument :

MSVOA_U

ClientSampleId :

BFT75

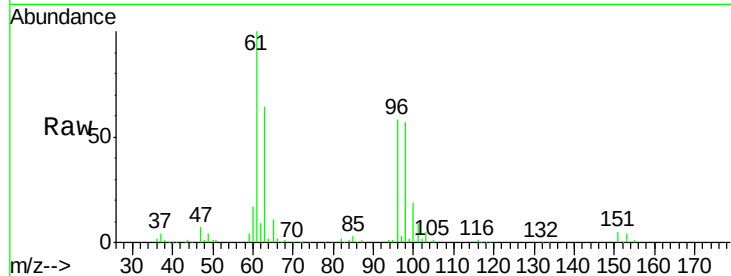
Tot Ion:101 Resp: 14008

Ion Ratio Lower Upper

101 100

85 38.0 34.5 51.7

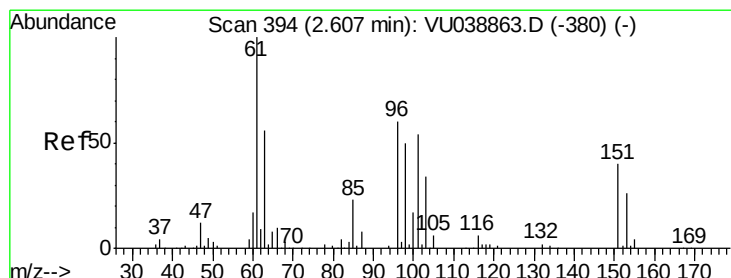
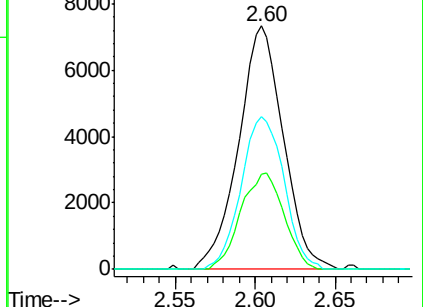
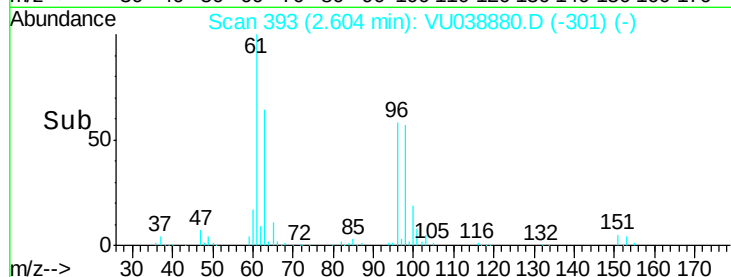
151 59.9 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): VU038880.D (-301) (-)

Ion 85.00 (84.70 to 85.70): VU038880.D (-301) (-)

Ion 151.00 (150.70 to 151.70): VU038880.D (-301) (-)



#12

1,1-Dichloroethene

Concen: 4.436 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038880.D

Acq: 13 Jun 2020 03:59

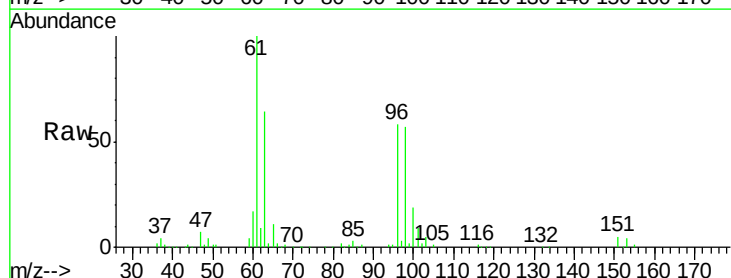
Tgt Ion: 96 Resp: 80293

Ion Ratio Lower Upper

96 100

61 173.0 120.2 223.2

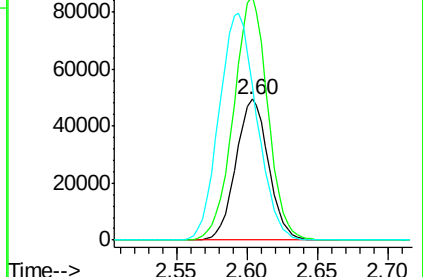
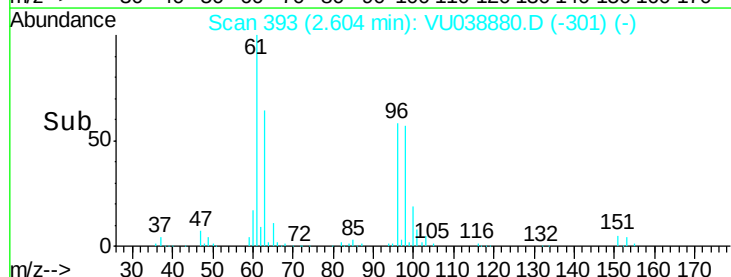
63 109.9 90.1 167.3

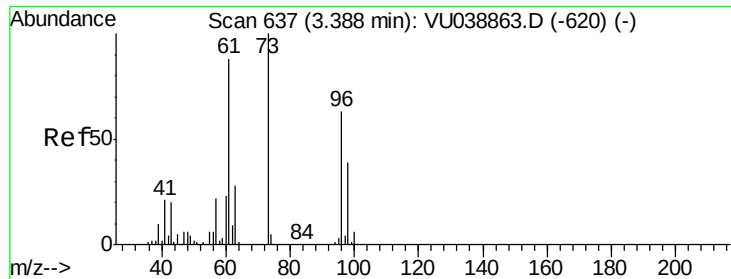


Abundance Ion 96.00 (95.70 to 96.70): VU038880.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU038880.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU038880.D (-301) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.090 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038880.D

Acq: 13 Jun 2020 03:59

Instrument :

MSVOA_U

ClientSampleId :

BFT75

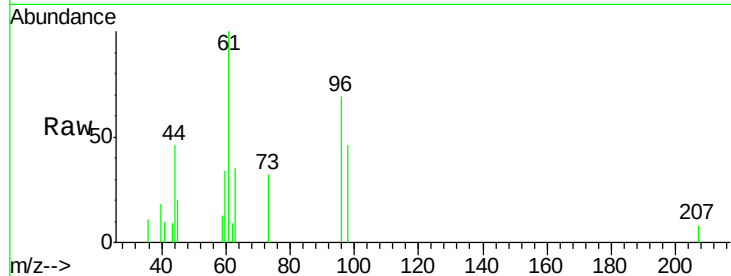
Tot Ion: 96 Resp: 1752

Ion Ratio Lower Upper

96 100

61 145.6 99.3 184.5

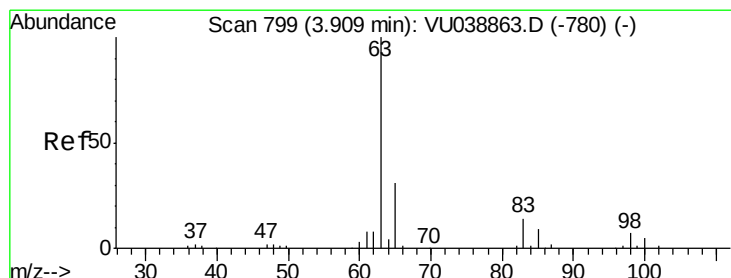
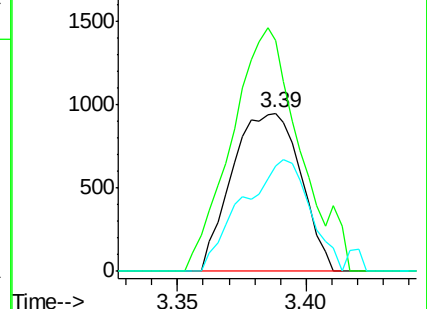
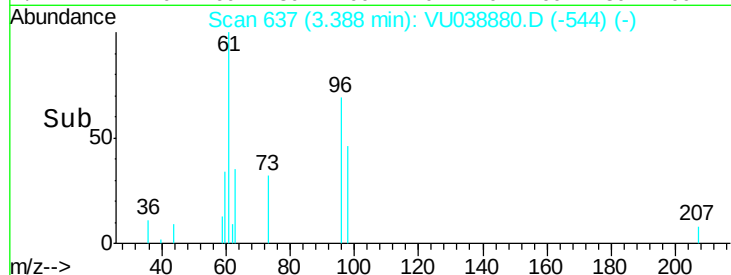
98 66.6 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU038880.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038880.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038880.D (-544) (-)



#19

1,1-Dichloroethane

Concen: 0.416 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038880.D

Acq: 13 Jun 2020 03:59

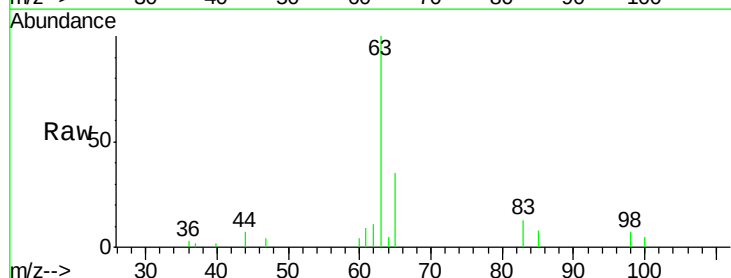
Tgt Ion: 63 Resp: 14544

Ion Ratio Lower Upper

63 100

65 34.9 22.3 41.5

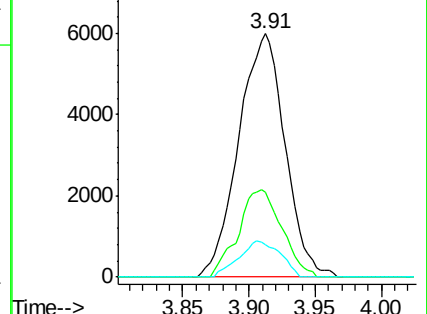
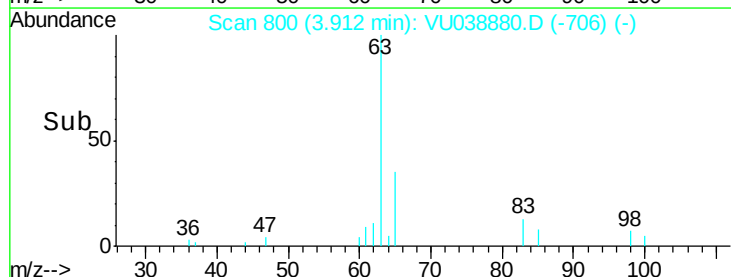
83 13.2 10.1 18.9

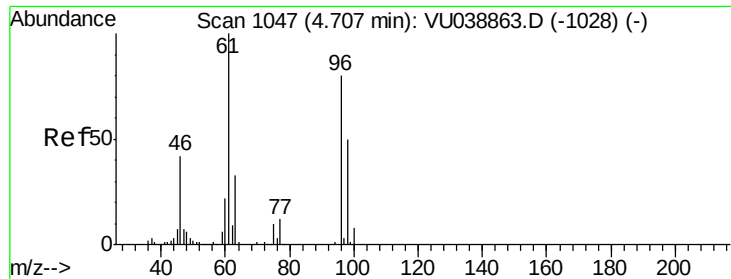


Abundance Ion 63.10 (62.80 to 63.80): VU038880.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038880.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038880.D (-706) (-)

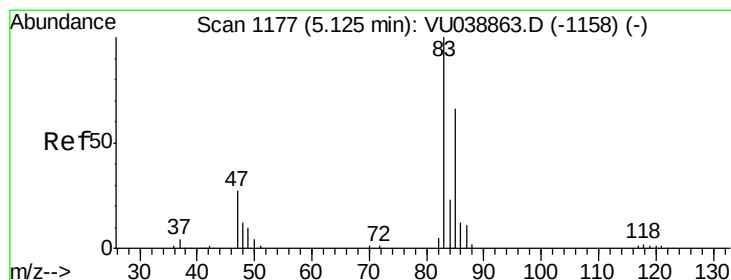
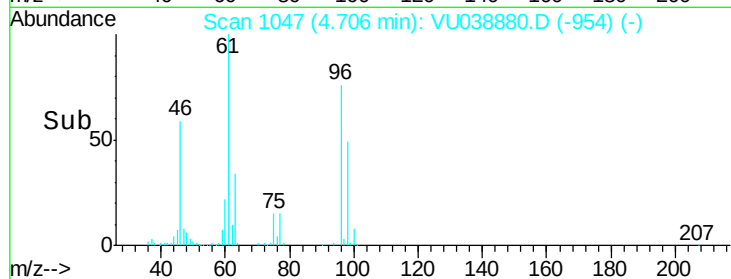
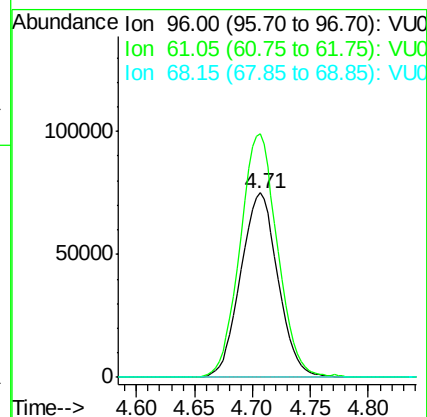
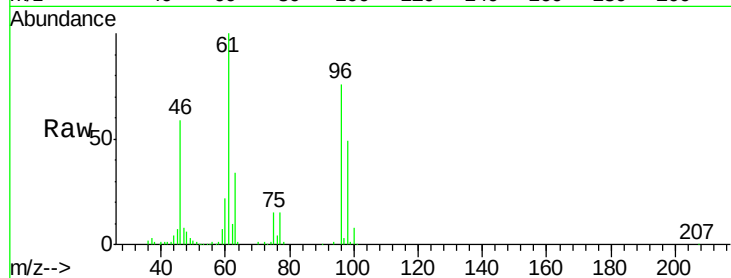




#22
 cis-1,2-Dichloroethene
 Concen: 8.316 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038880.D
 Acq: 13 Jun 2020 03:59

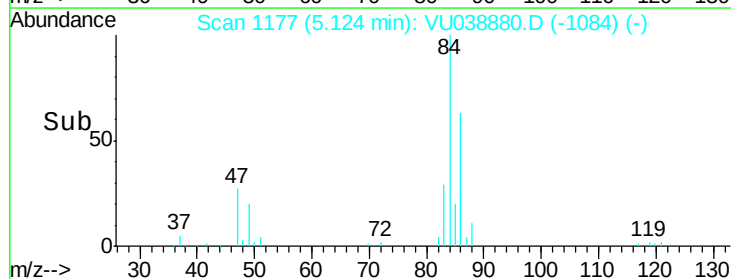
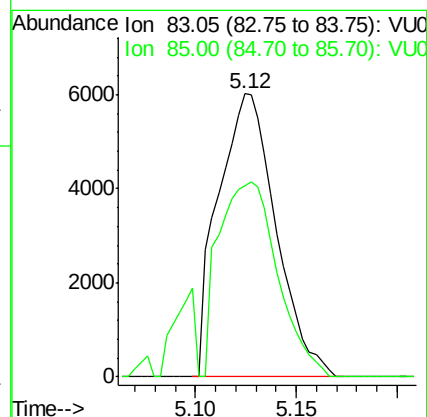
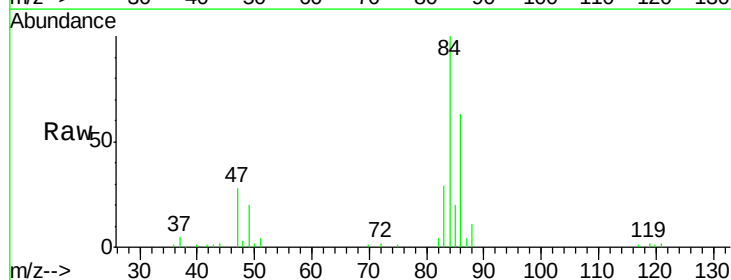
Instrument :
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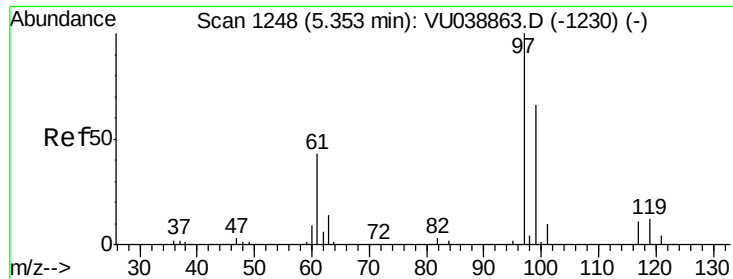
Tot Ion: 96 Resp: 168313
 Ion Ratio Lower Upper
 96 100
 61 132.2 89.7 166.7
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.332 ug/L
 RT: 5.12 min Scan# 1177
 Delta R.T. -0.00 min
 Lab File: VU038880.D
 Acq: 13 Jun 2020 03:59

Tgt Ion: 83 Resp: 11958
 Ion Ratio Lower Upper
 83 100
 85 67.8 44.1 81.9

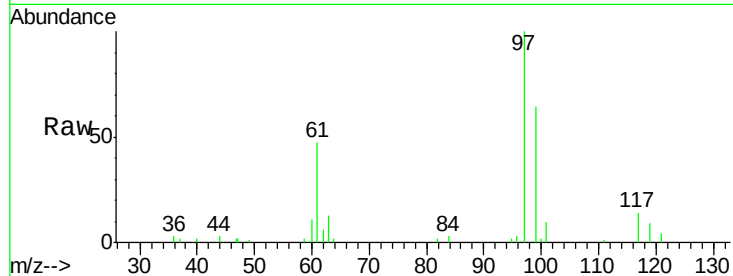




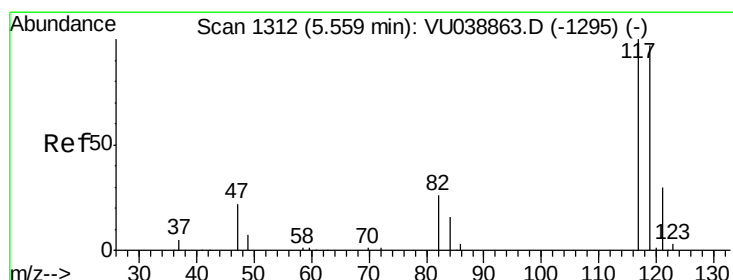
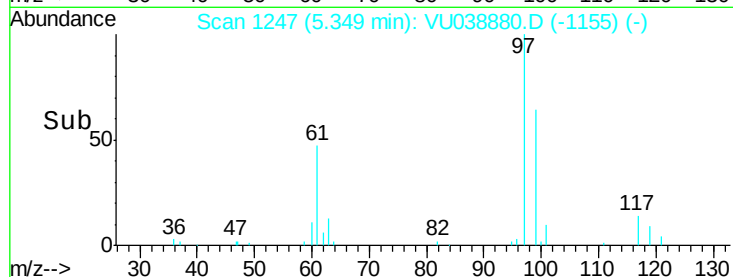
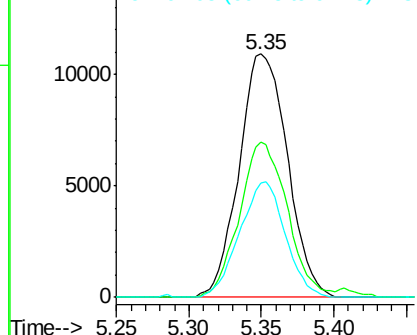
#29
1,1,1-Trichloroethane
Concen: 0.768 ug/L
RT: 5.35 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VU038880.D
Acq: 13 Jun 2020 03:59

Instrument :
MSVOA_U
ClientSampleId :
BFT75

Tot Ion: 97 Resp: 25298
Ion Ratio Lower Upper
97 100
99 63.3 52.1 78.1
61 44.8 35.9 53.9

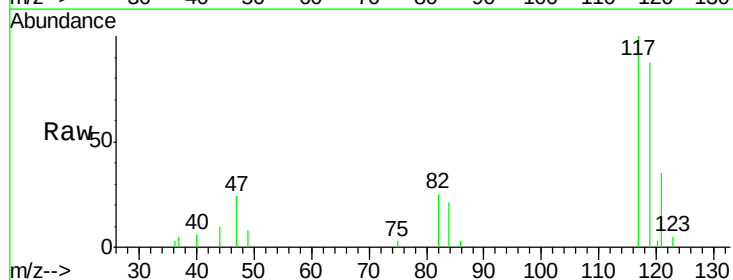


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

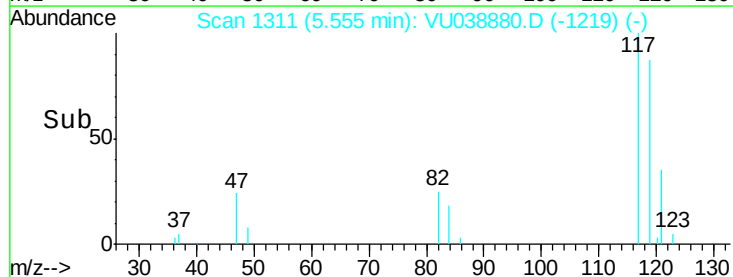
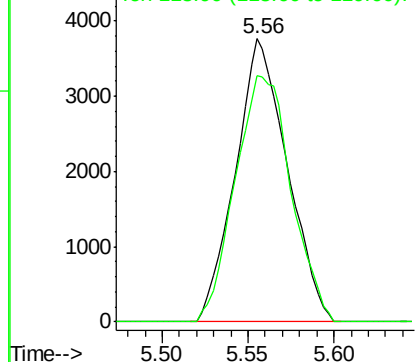


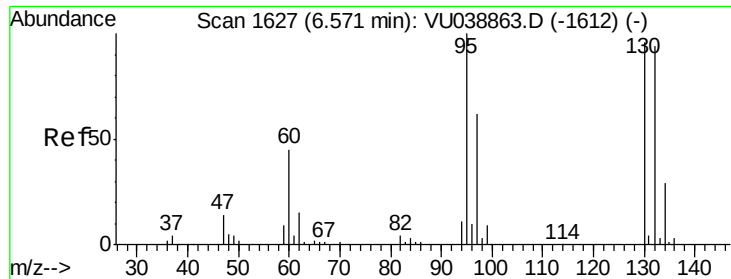
#31
Carbon tetrachloride
Concen: 0.283 ug/L
RT: 5.56 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU038880.D
Acq: 13 Jun 2020 03:59

Tgt Ion: 117 Resp: 7868
Ion Ratio Lower Upper
117 100
119 94.1 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



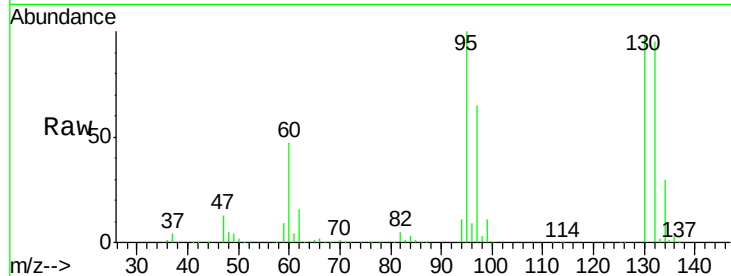


#34
 Trichloroethene
 Concen: 88.172 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038880.D
 Acq: 13 Jun 2020 03:59

Instrument :
 MSVOA_U
 ClientSampled :
 BFT75

Tot Ion: 95 Resp: 1857352

Ion	Ratio	Lower	Upper
95	100		
97	64.5	46.1	85.5
132	94.8	67.5	125.3
130	98.4	66.7	123.9



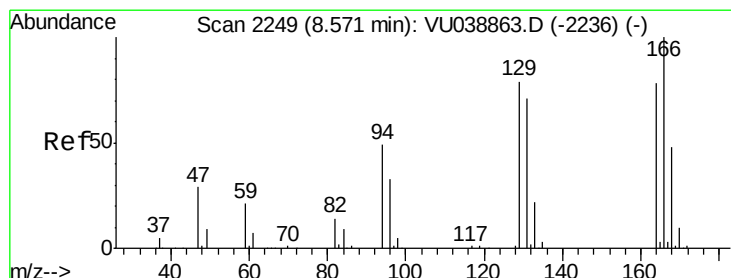
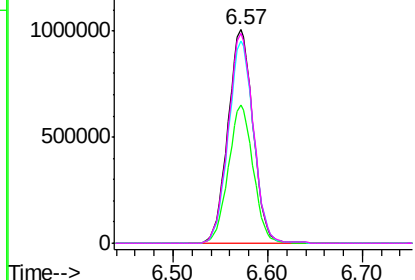
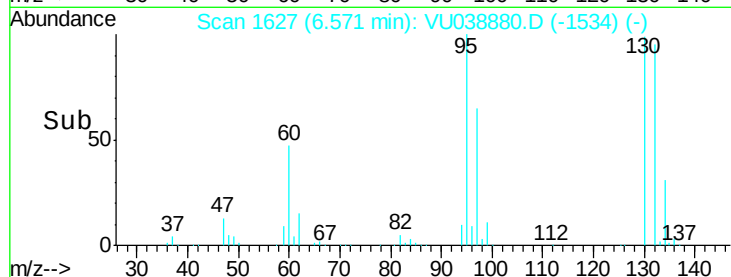
Abundance

Ion 95.00 (94.70 to 95.70): VU038880.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038880.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038880.D (-1534) (-)

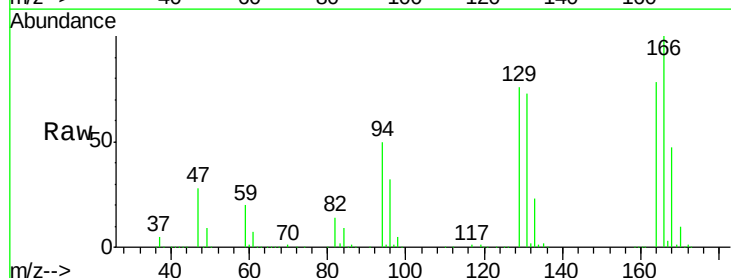
Ion 129.95 (129.65 to 130.65): VU038880.D (-1534) (-)



#47
 Tetrachloroethene
 Concen: 140.679 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038880.D
 Acq: 13 Jun 2020 03:59

Tgt Ion: 164 Resp: 2281375

Ion	Ratio	Lower	Upper
164	100		
129	96.4	67.3	124.9
131	93.2	65.0	120.6
166	127.4	91.0	169.0



Abundance

Ion 163.90 (163.60 to 164.60): VU038880.D (-2156) (-)

Ion 128.95 (128.65 to 129.65): VU038880.D (-2156) (-)

Ion 130.95 (130.65 to 131.65): VU038880.D (-2156) (-)

Ion 165.90 (165.60 to 166.60): VU038880.D (-2156) (-)

