

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U051920\
 Data File : VU038229.D
 Acq On : 19 May 2020 13:00
 Operator : JC/MD
 Sample : L2657-03DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST6DL

Quant Time: May 20 01:41:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 01:25:15 2020
 Response via : Initial Calibration

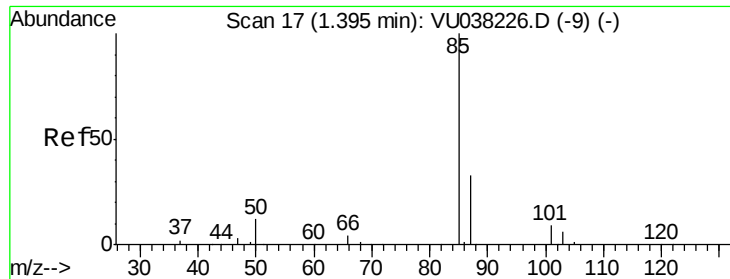
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	397578	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	394474	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	189888	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	106075	2.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.40%
7) Chloroethane-d5	1.93	69	107332	3.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.20%
11) 1,1-Dichloroethene-d2	2.58	63	133622	2.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	44.00%#
20) 2-Butanone-d5	4.67	46	449685	50.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.24%
24) Chloroform-d	5.10	84	195839	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.00%
26) 1,2-Dichloroethane-d4	5.74	65	125900	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
32) Benzene-d6	5.76	84	406302	3.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.80%#
36) 1,2-Dichloropropane-d6	6.72	67	140316	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.60%
41) Toluene-d8	7.92	98	345302	3.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.00%#
43) trans-1,3-Dichloropropene-	8.20	79	53334	3.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.80%
46) 2-Hexanone-d5	8.67	63	351076	48.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.30%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	126341	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	140891	3.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.20%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	15634	0.430 ug/L	100
9) Trichlorofluoromethane	2.14	101			



#2

Dichlorodifluoromethane

Concen: 0.430 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

Instrument :

MSVOA_U

ClientSampleId :

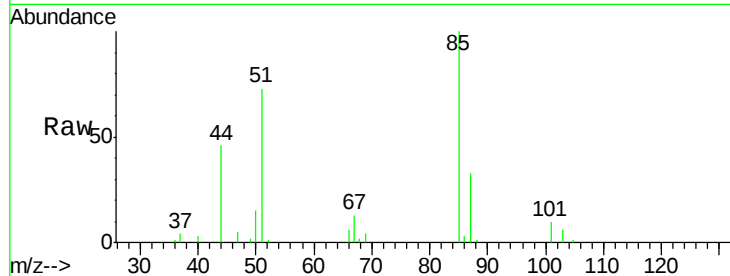
BFST6DL

Tot Ion: 85 Resp: 15634

Ion Ratio Lower Upper

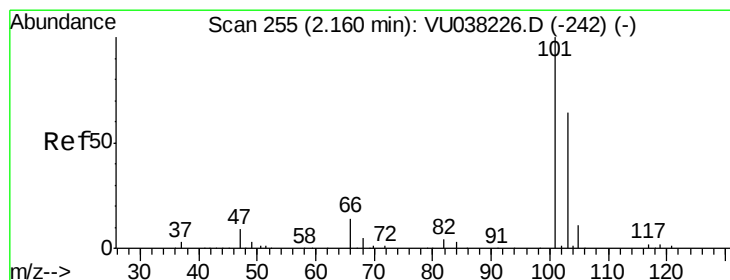
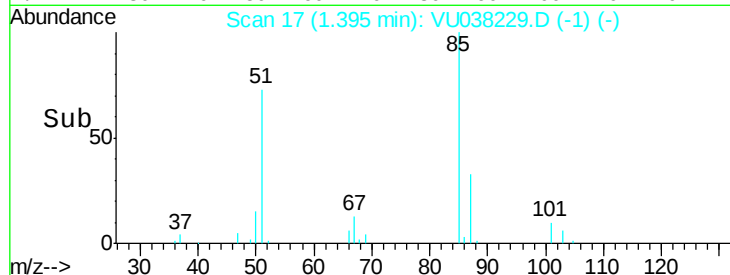
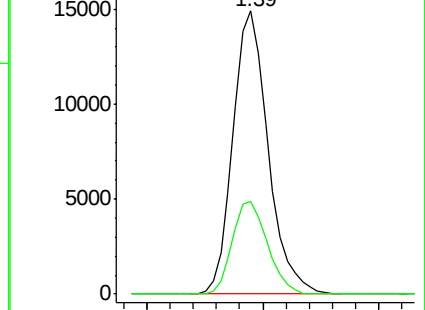
85 100

87 32.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038226.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038226.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 4.800 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.02 min

Lab File: VU038229.D

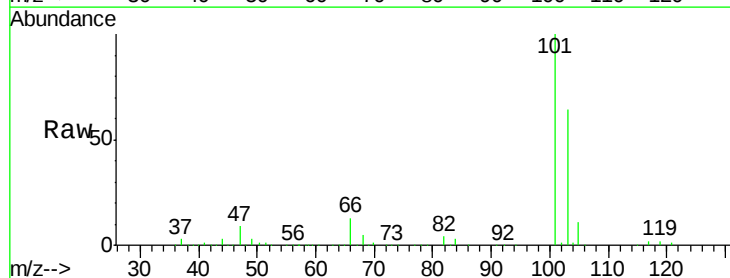
Acq: 19 May 2020 13:00

Tgt Ion: 101 Resp: 210739

Ion Ratio Lower Upper

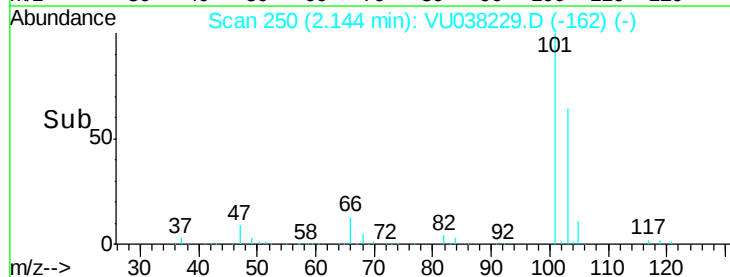
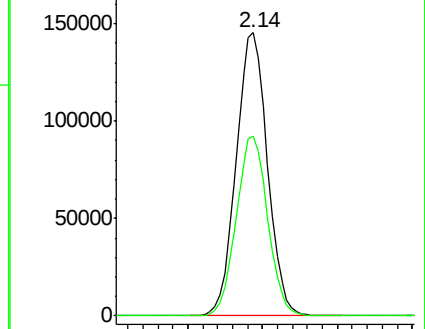
101 100

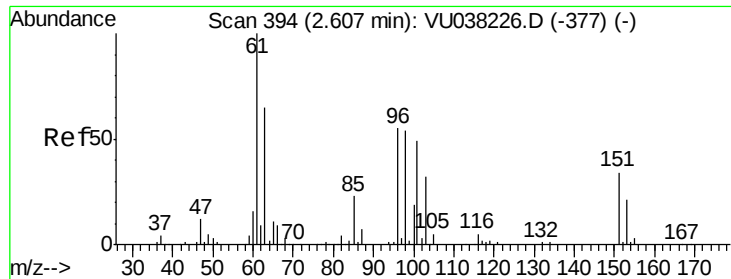
103 64.0 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038226.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038226.D (-242) (-)





#10

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

Concen: 0.217 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

Instrument :

MSVOA_U

ClientSampleId :

BFST6DL

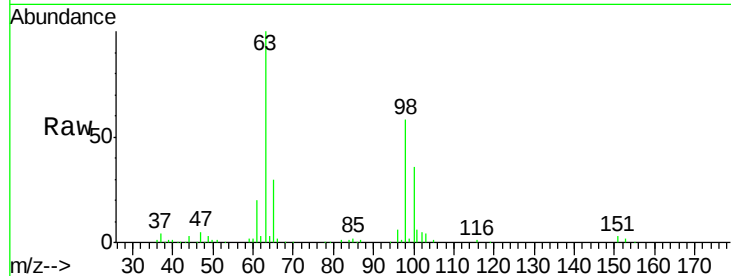
Tot Ion:101 Resp: 5909

Ion Ratio Lower Upper

101 100

85 42.0 35.3 52.9

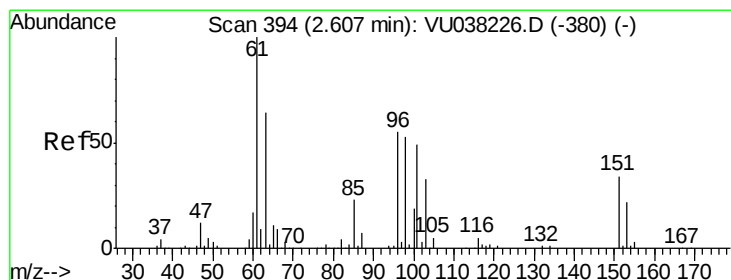
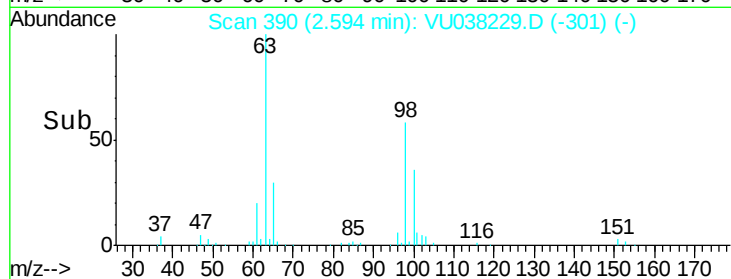
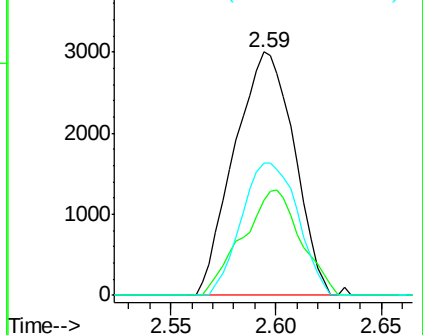
151 51.2 54.2 81.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.170 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

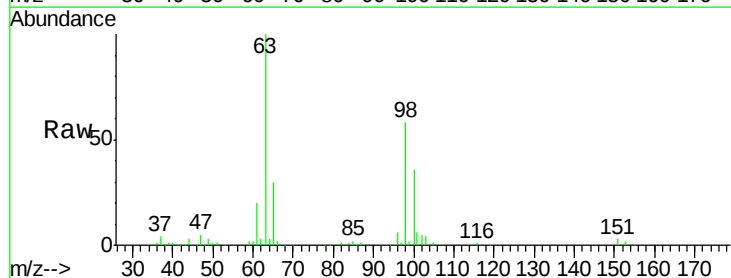
Tgt Ion: 96 Resp: 4678

Ion Ratio Lower Upper

96 100

61 348.5 126.2 234.4#

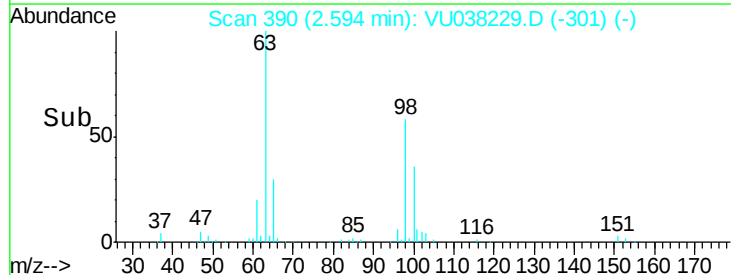
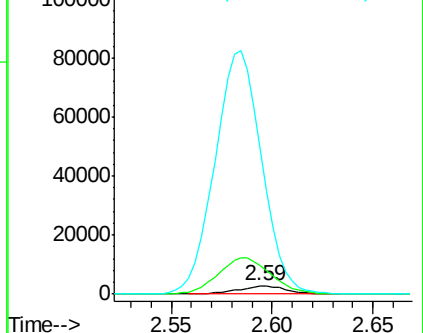
63 1768.6 96.9 179.9#

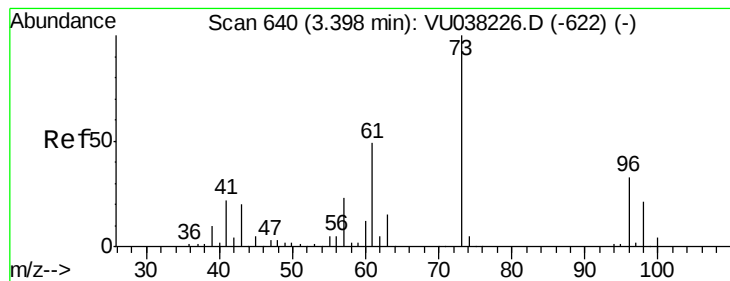


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



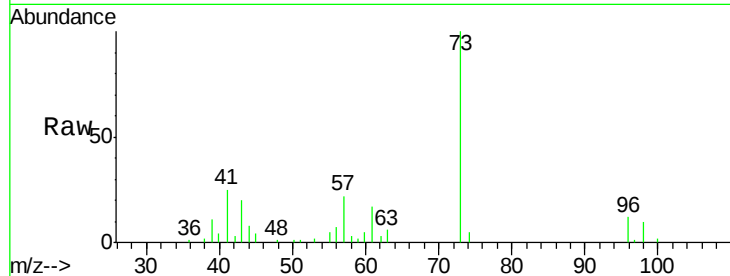


#17

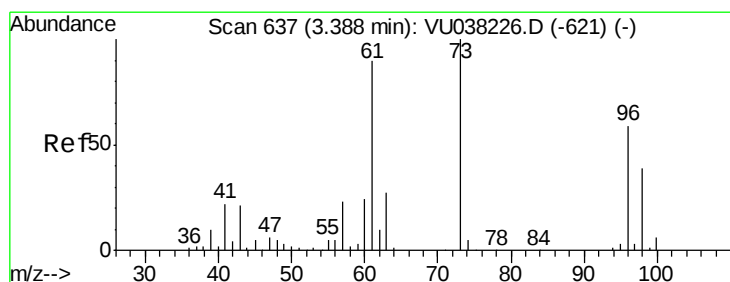
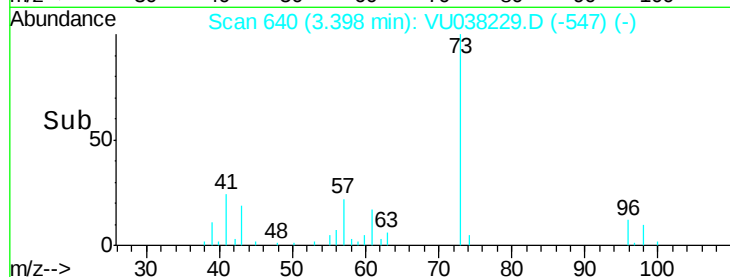
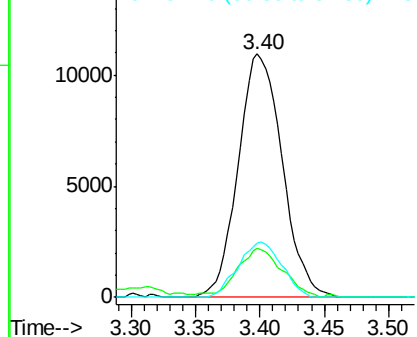
Methyl tert-butyl Ether
 Concen: 0.340 ug/L
 RT: 3.40 min Scan# 640
 Delta R.T. -0.00 min
 Lab File: VU038229.D
 Acq: 19 May 2020 13:00

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST6DL

Tot Ion: 73 Resp: 26081
 Ion Ratio Lower Upper
 73 100
 43 20.3 16.9 25.3
 57 22.3 18.2 27.2



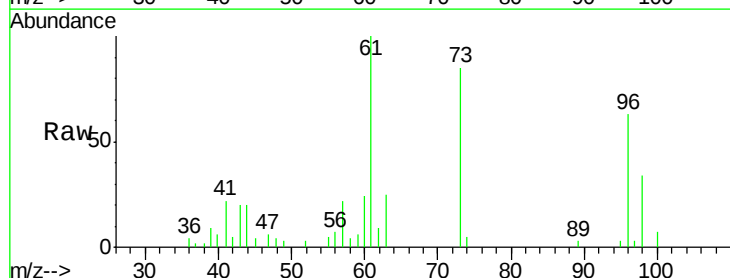
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



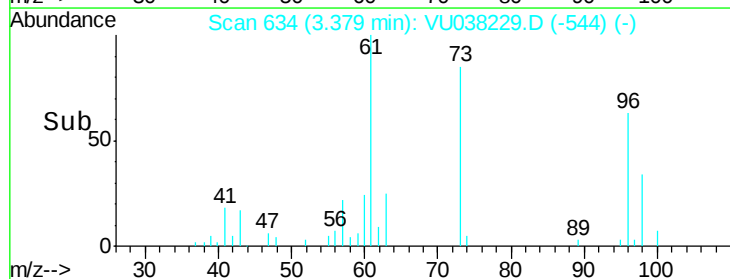
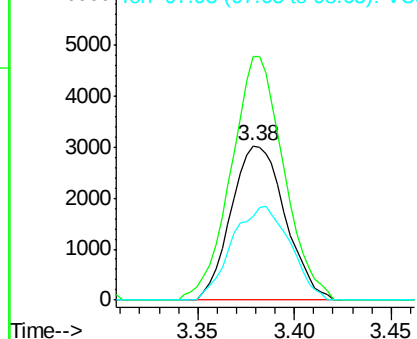
#18

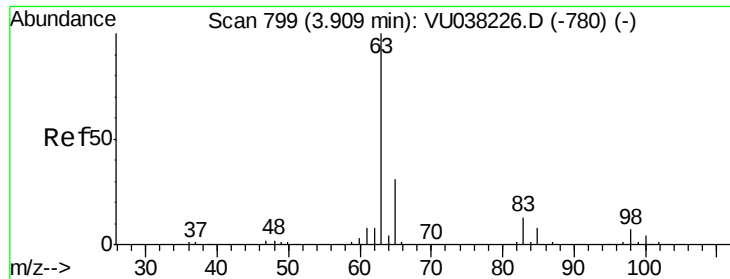
trans-1,2-Dichloroethene
 Concen: 0.195 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.01 min
 Lab File: VU038229.D
 Acq: 19 May 2020 13:00

Tgt Ion: 96 Resp: 5872
 Ion Ratio Lower Upper
 96 100
 61 157.9 102.1 189.5
 98 54.1 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

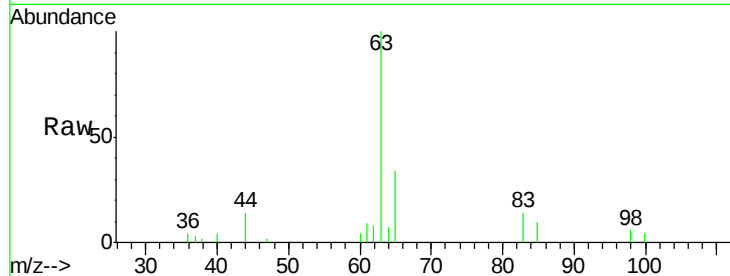




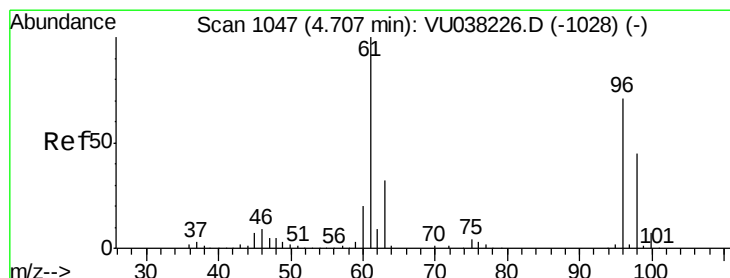
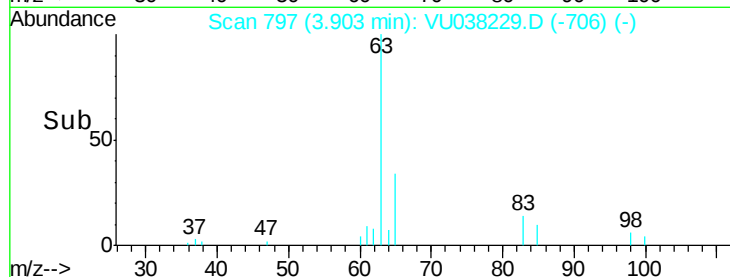
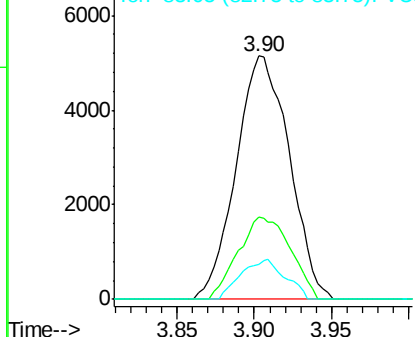
#19
 1,1-Dichloroethane
 Concen: 0.209 ug/L
 RT: 3.90 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: VU038229.D
 Acq: 19 May 2020 13:00

Instrument :
 MSVOA_U
 ClientSampleId :
 BFST6DL

Tot Ion:	63	Resp:	12321
Ion	Ratio	Lower	Upper
63	100		
65	33.7	22.5	41.7
83	14.4	8.9	16.5

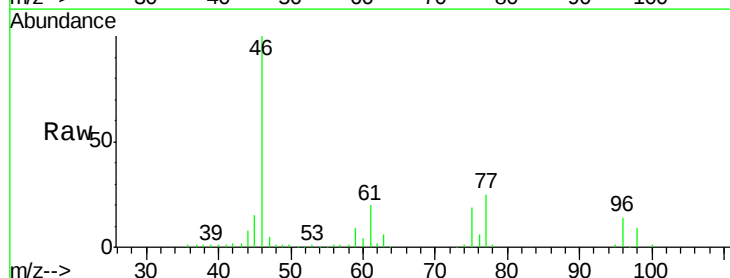


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

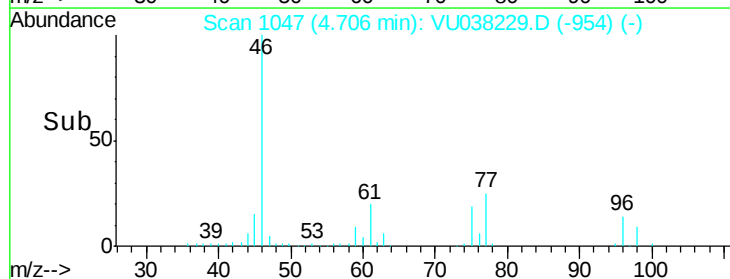
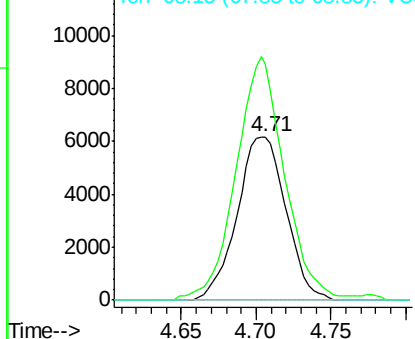


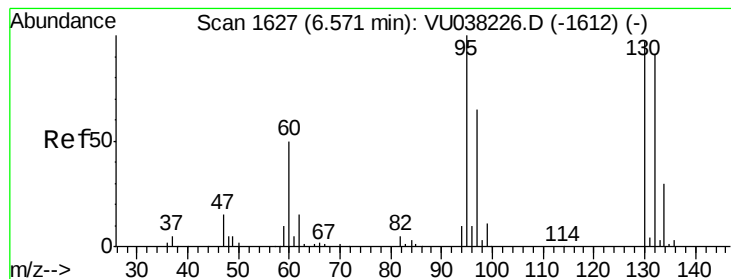
#22
 cis-1,2-Dichloroethene
 Concen: 0.431 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038229.D
 Acq: 19 May 2020 13:00

Tgt Ion:	96	Resp:	13979
Ion	Ratio	Lower	Upper
96	100		
61	144.7	95.3	176.9
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





#34

Trichloroethene

Concen: 4.206 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

Instrument :

MSVOA_U

ClientSampleId :

BFST6DL

Tot Ion: 95 Resp: 132885

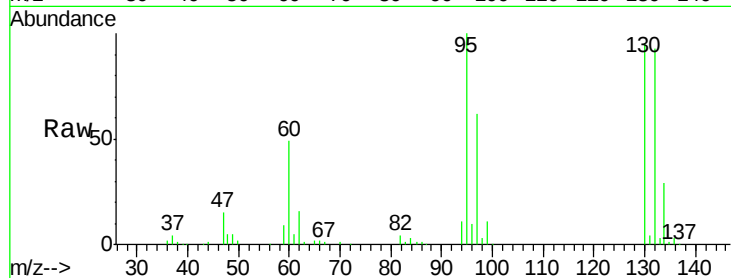
Ion Ratio Lower Upper

95 100

97 61.9 44.9 83.3

132 92.7 63.3 117.5

130 95.0 65.7 122.1

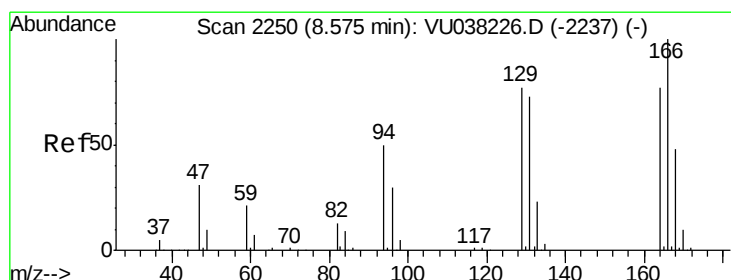
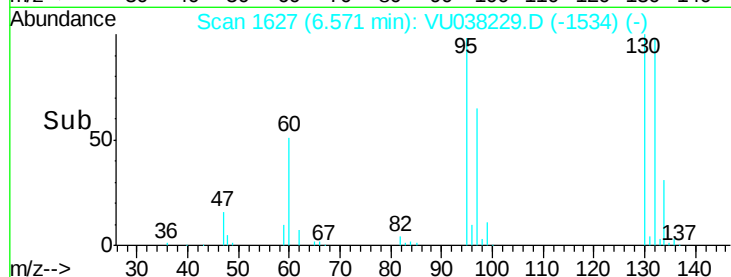
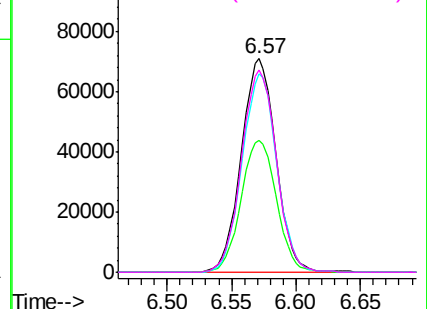


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.162 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

Tgt Ion: 164 Resp: 114074

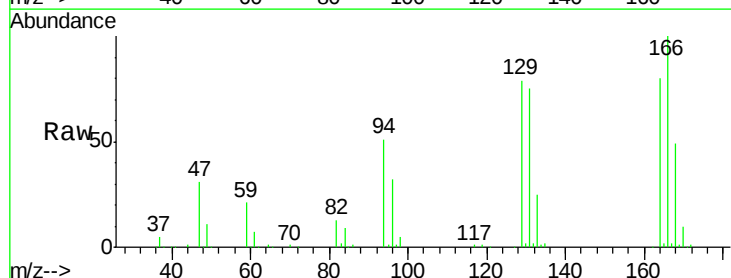
Ion Ratio Lower Upper

164 100

129 99.2 68.8 127.8

131 94.2 66.8 124.2

166 125.0 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

