

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038233.D
 Acq On : 19 May 2020 14:32
 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 09:21:01 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	324212	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	313351	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	150508	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	157380	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.93	69	132435	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.59	63	193223	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.68	46	458786	62.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.40%
24) Chloroform-d	5.10	84	237969	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.74	65	145282	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.76	84	513737	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
36) 1,2-Dichloropropane-d6	6.72	67	168683	5.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.40%
41) Toluene-d8	7.92	98	450419	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
43) trans-1,3-Dichloropropene-	8.20	79	63311	5.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.40%
46) 2-Hexanone-d5	8.65	63	354950	61.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.84%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	133799	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	164917	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

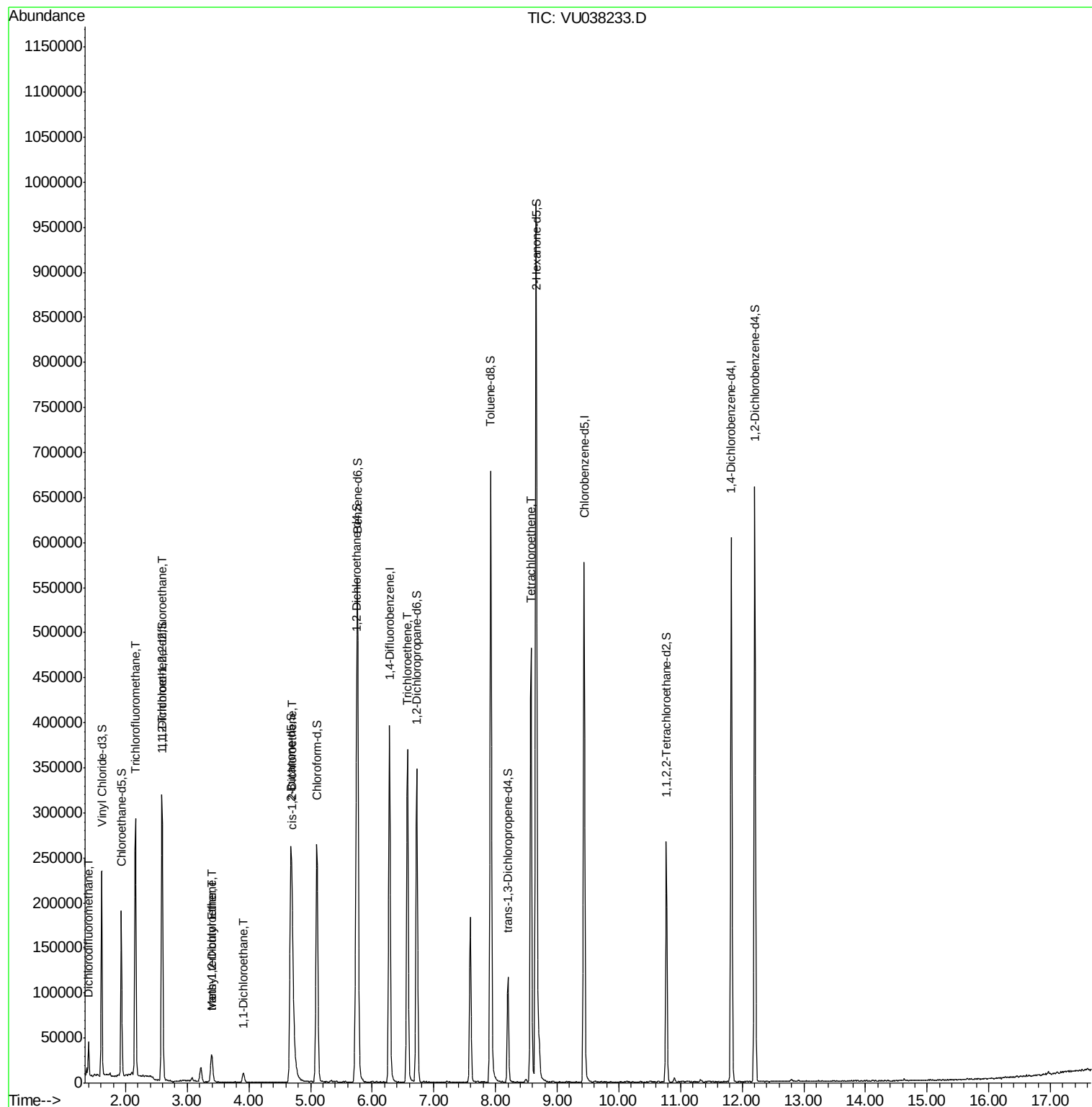
					Ovalue
2) Dichlorodifluoromethane	1.39	85	12187	0.411 ug/L	99
9) Trichlorofluoromethane	2.16	101	181274	5.063 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5774	0.260 ug/L #	74
17) Methyl tert-butyl Ether	3.40	73	23531	0.376 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	5596	0.228 ug/L	97
19) 1,1-Dichloroethane	3.91	63	12143	0.253 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	13755	0.520 ug/L	99
34) Trichloroethene	6.57	95	127432	5.078 ug/L	99
47) Tetrachloroethene	8.57	164	106267	6.054 ug/L	98

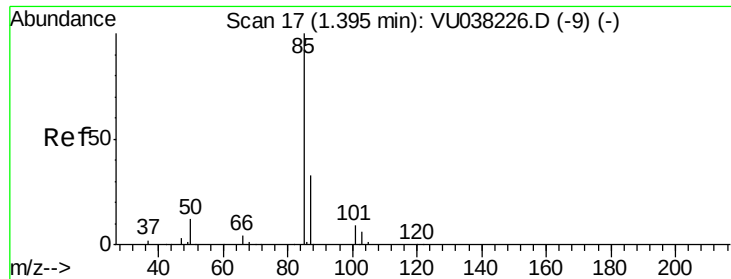
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 20 01:25:15 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.411 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

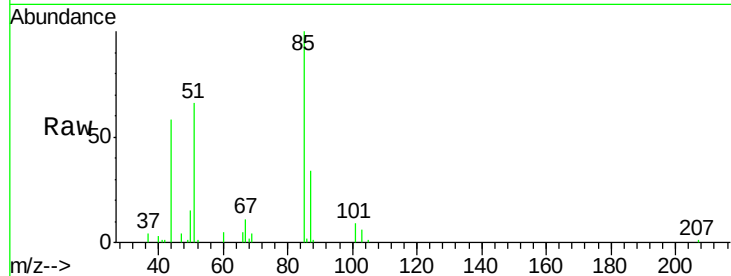
BFST6DL

Tot Ion: 85 Resp: 12187

Ion Ratio Lower Upper

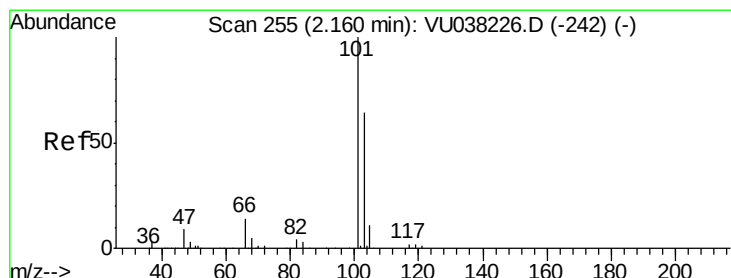
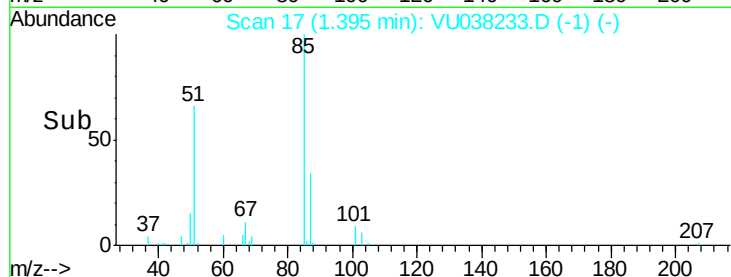
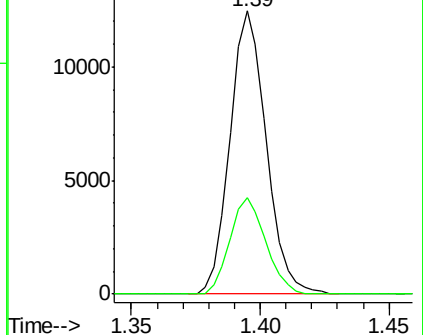
85 100

87 33.6 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: 5.063 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038233.D

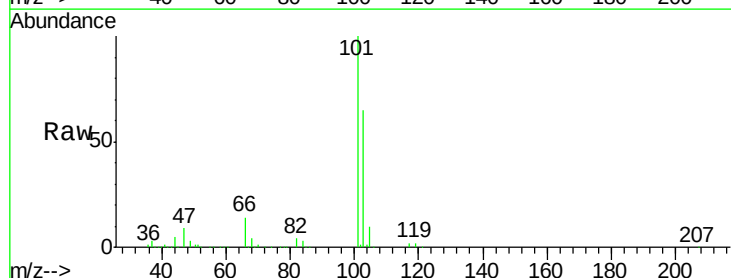
Acq: 19 May 2020 14:32

Tgt Ion:101 Resp: 181274

Ion Ratio Lower Upper

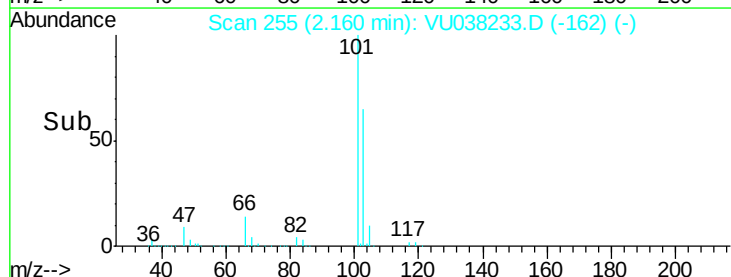
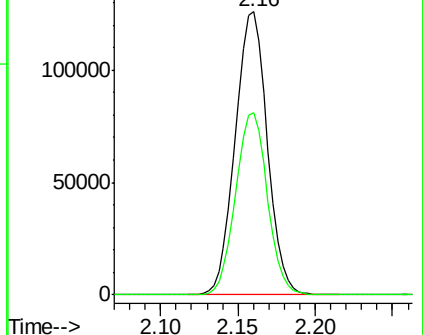
101 100

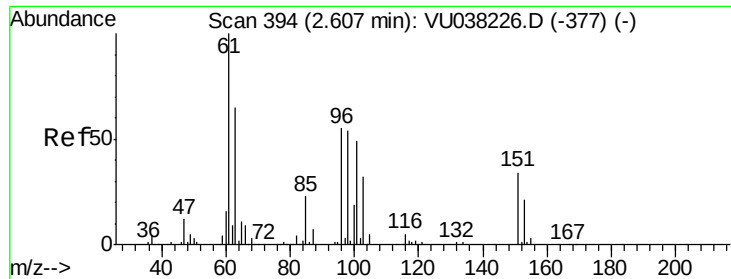
103 63.7 51.0 76.4



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: 0.260 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

BFST6DL

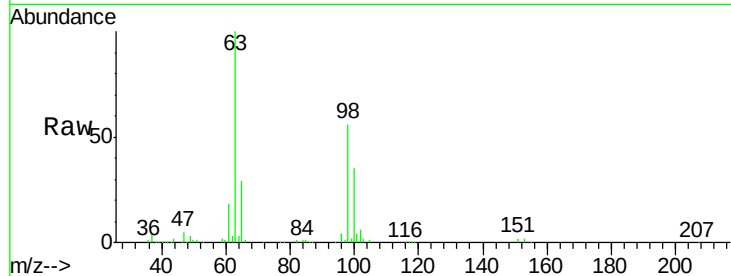
Tot Ion:101 Resp: 5774

Ion Ratio Lower Upper

101 100

85 27.1 35.3 52.9#

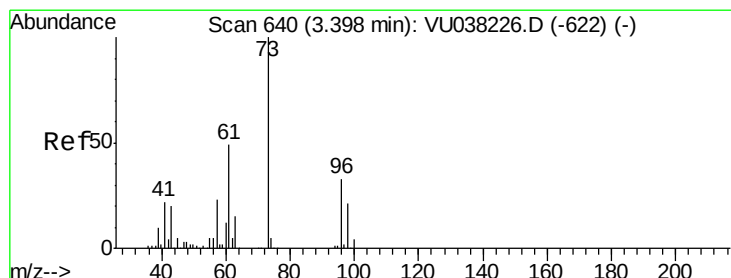
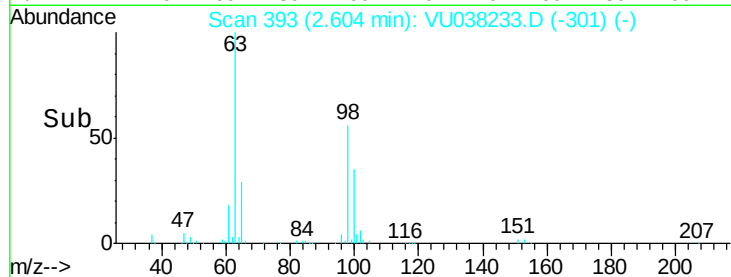
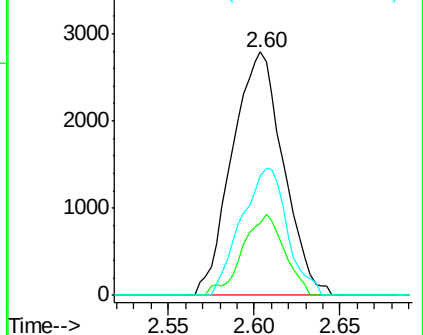
151 46.8 54.2 81.2#



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



#17

Methyl tert-butyl Ether

Concen: 0.376 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.01 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

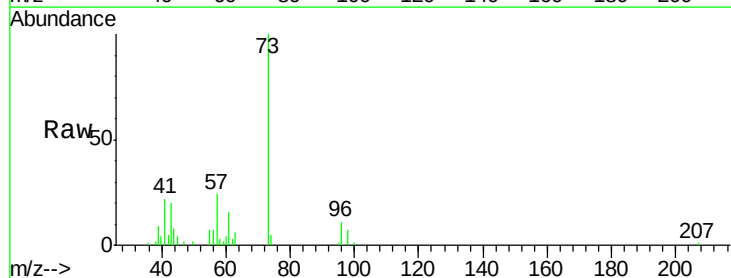
Tgt Ion: 73 Resp: 23531

Ion Ratio Lower Upper

73 100

43 22.3 16.9 25.3

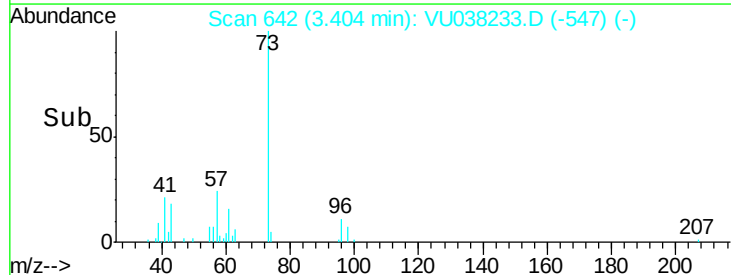
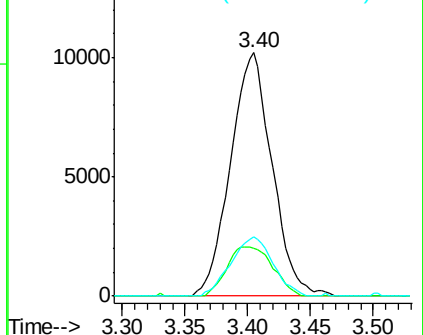
57 24.4 18.2 27.2

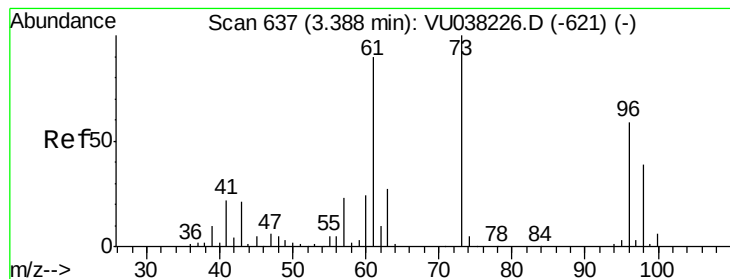


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.228 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Instrument :

MSVOA_U

ClientSampled :

BFST6DL

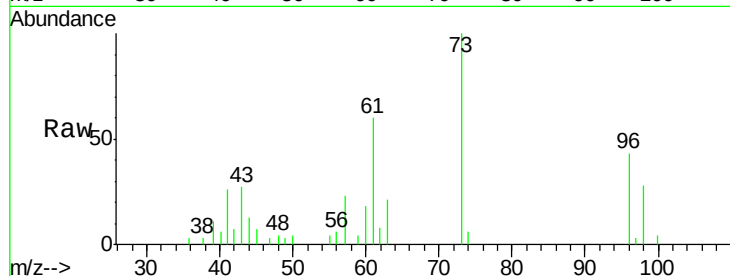
Tot Ion: 96 Resp: 5596

Ion Ratio Lower Upper

96 100

61 142.1 102.1 189.5

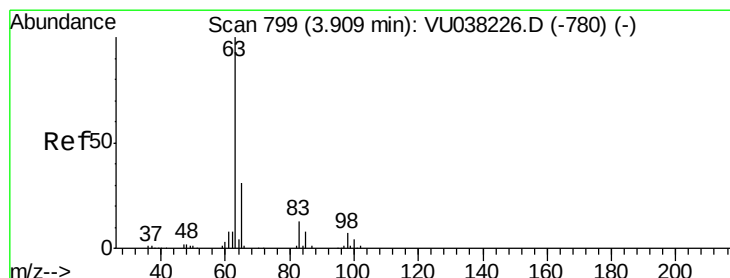
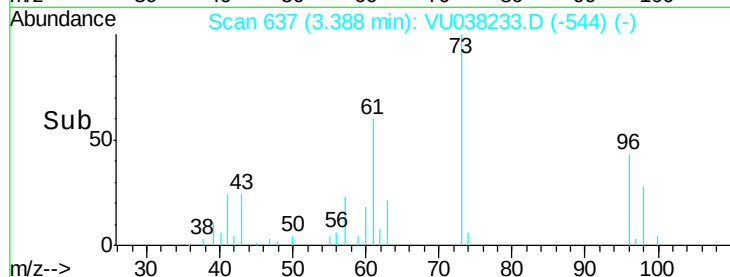
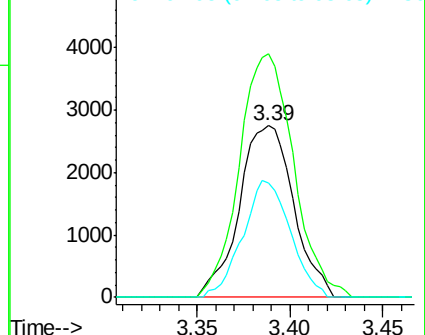
98 66.7 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU038226.D (-621) (-)

Ion 61.05 (60.75 to 61.75): VU038226.D (-621) (-)

Ion 97.95 (97.65 to 98.65): VU038226.D (-621) (-)



#19

1,1-Dichloroethane

Concen: 0.253 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

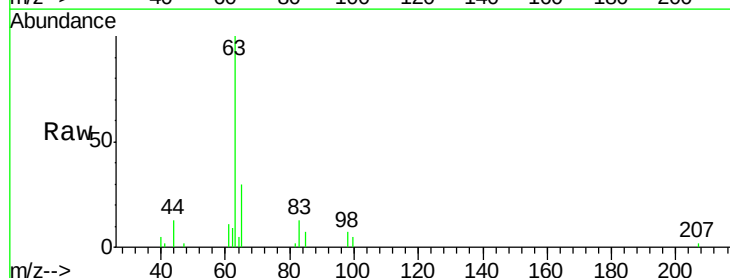
Tgt Ion: 63 Resp: 12143

Ion Ratio Lower Upper

63 100

65 30.2 22.5 41.7

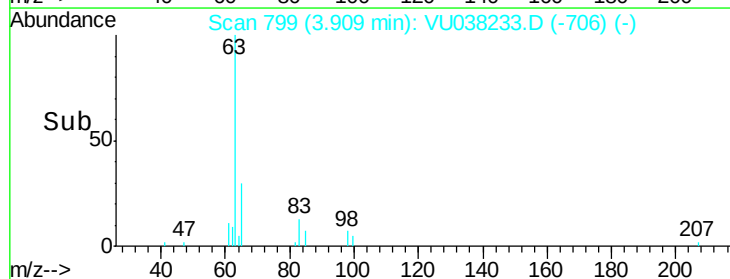
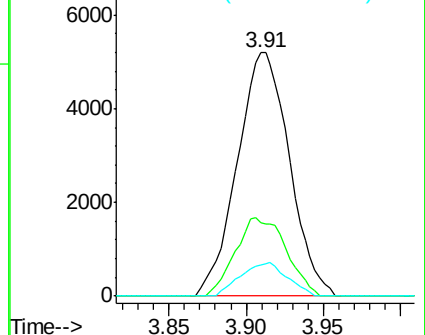
83 12.8 8.9 16.5

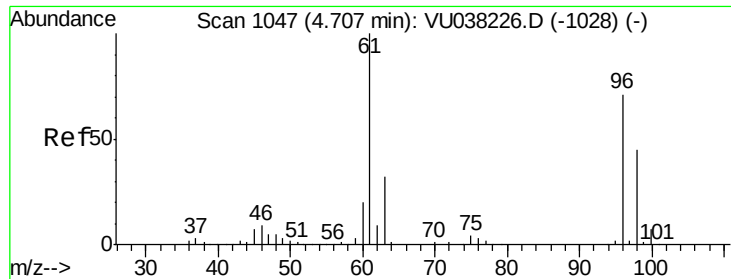


Abundance Ion 63.10 (62.80 to 63.80): VU038226.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU038226.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU038226.D (-780) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.520 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

BFST6DL

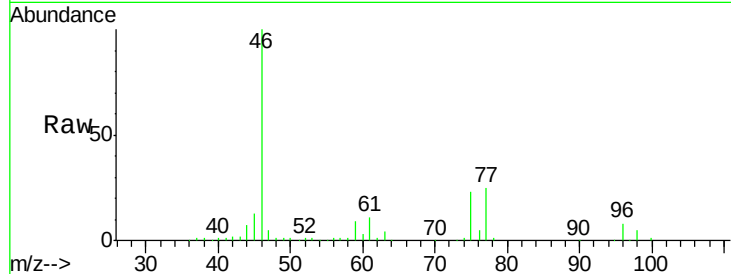
Tot Ion: 96 Resp: 13755

Ion Ratio Lower Upper

96 100

61 137.4 95.3 176.9

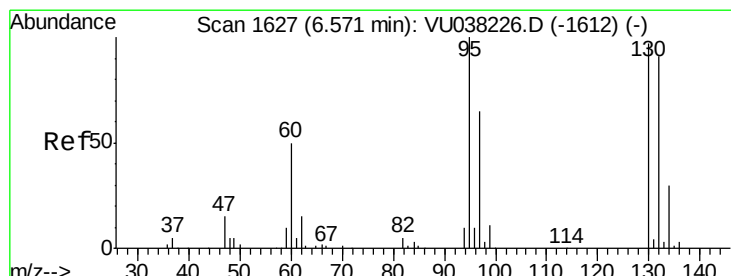
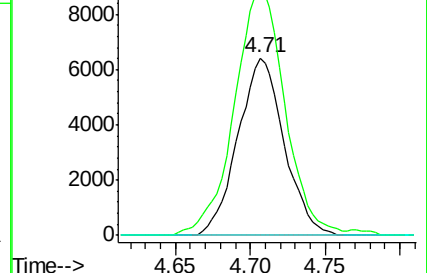
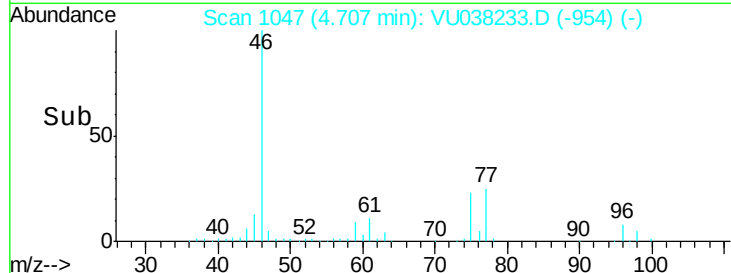
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038233.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038233.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038233.D (-954) (-)



#34

Trichloroethene

Concen: 5.078 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Tgt Ion: 95 Resp: 127432

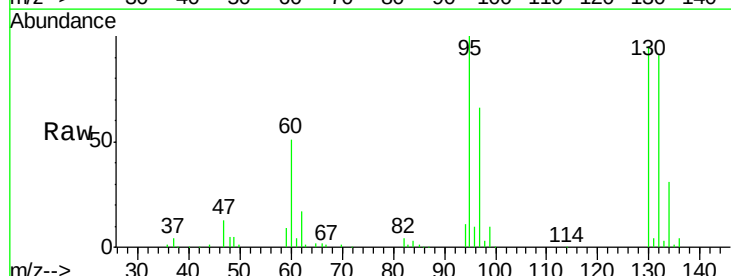
Ion Ratio Lower Upper

95 100

97 65.7 44.9 83.3

132 91.2 63.3 117.5

130 95.3 65.7 122.1

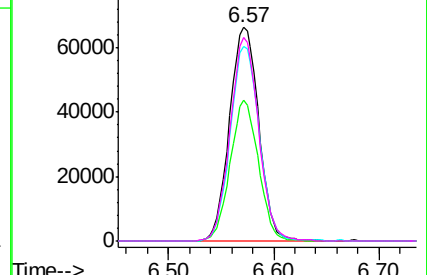
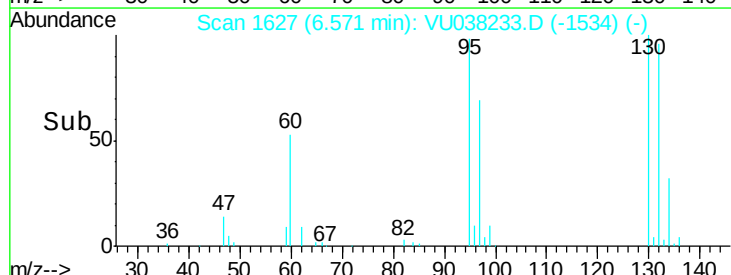


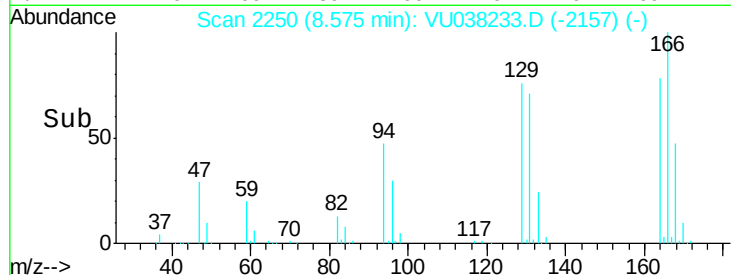
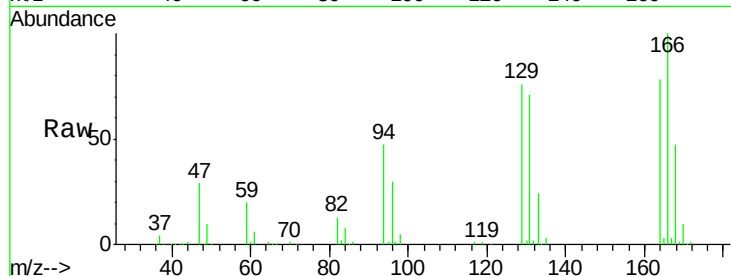
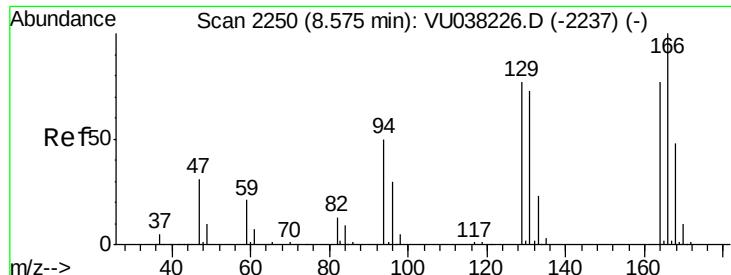
Abundance Ion 95.00 (94.70 to 95.70): VU038233.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038233.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038233.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038233.D (-1534) (-)





#47

Tetrachloroethene

Concen: 6.054 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038233.D

Acq: 19 May 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

BFST6DL

Tot Ion:164 Resp: 106267

Ion Ratio Lower Upper

164 100

129 97.3 68.8 127.8

131 91.3 66.8 124.2

166 128.8 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

