

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061620\
 Data File : VU038926.D
 Acq On : 16 Jun 2020 16:17
 Operator : SY/MD
 Sample : L2985-05RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT73

Quant Time: Jun 17 02:02:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061520WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 17 02:00:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	280589	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	299206	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	127900	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96316	6.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	137.80%#
7) Chloroethane-d5	1.93	69	81376	5.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.60%
11) 1,1-Dichloroethene-d2	2.59	63	138001	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	4.68	46	244487	48.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.64%
24) Chloroform-d	5.10	84	183681	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
26) 1,2-Dichloroethane-d4	5.74	65	108981	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	5.76	84	363395	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
36) 1,2-Dichloropropane-d6	6.72	67	112375	5.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.20%
41) Toluene-d8	7.92	98	304970	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	8.20	79	45544	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.66	63	254351	56.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.46%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	98486	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	124397	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

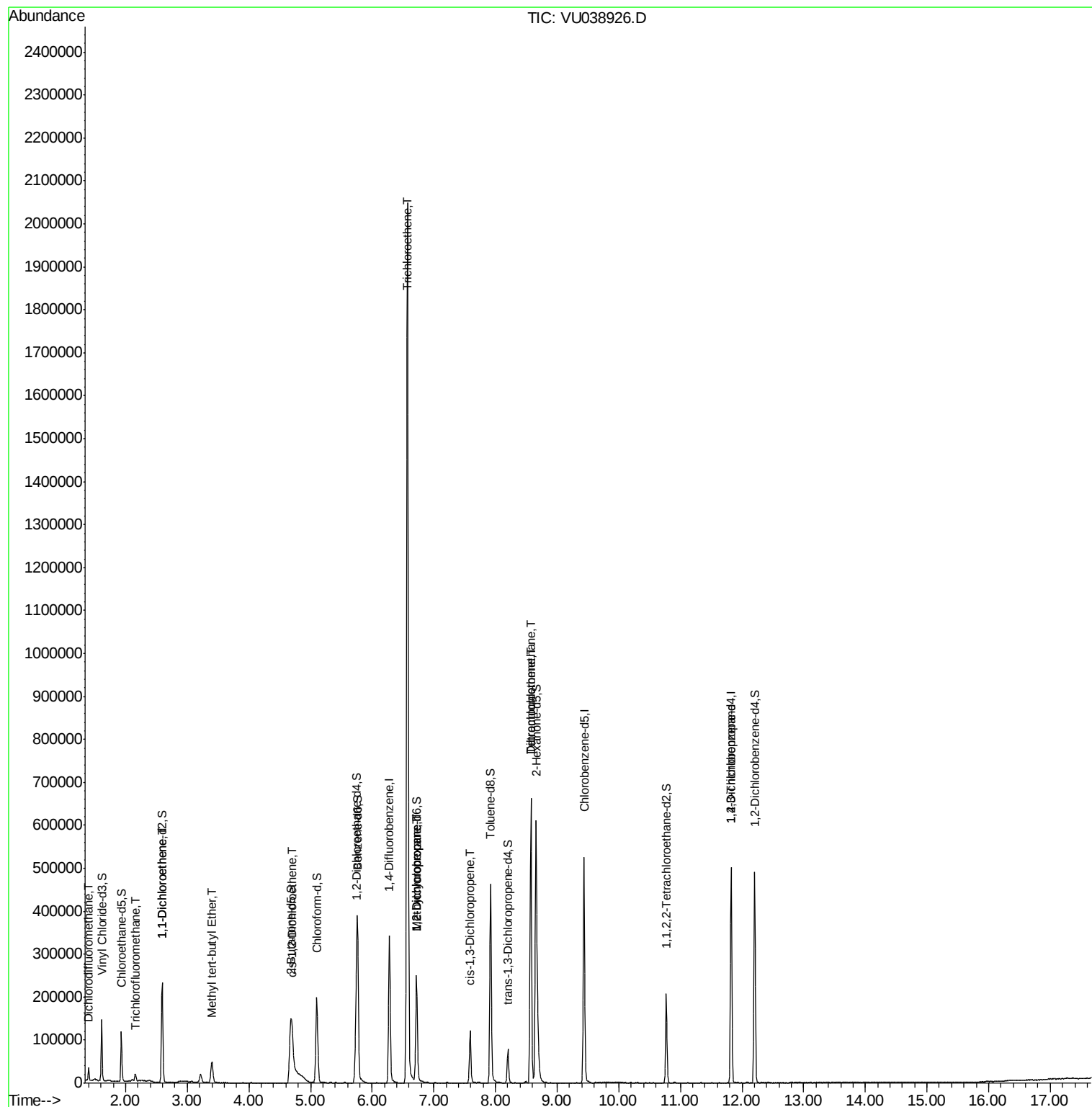
					Ovalue
2) Dichlorodifluoromethane	1.39	85	10730	0.393 ug/L	94
9) Trichlorofluoromethane	2.16	101	8217	0.197 ug/L	97
12) 1,1-Dichloroethene	2.59	96	1846	0.093 ug/L #	1
17) Methyl tert-butyl Ether	3.40	73	53334	1.054 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	23826	1.085 ug/L	90
34) Trichloroethene	6.57	95	695118	29.954 ug/L	98
35) Methylcyclohexane	6.72	83	28472	0.824 ug/L #	17
37) 1,2-Dichloropropane	6.72	63	13096	0.571 ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3335	0.102 ug/L #	59
47) Tetrachloroethene	8.57	164	149968	8.432 ug/L	99
49) Dibromochloromethane	8.57	129	140782	6.922 ug/L #	9
59) 1,2,3-Trichloropropane	11.82	75	16222	0.918 ug/L	92

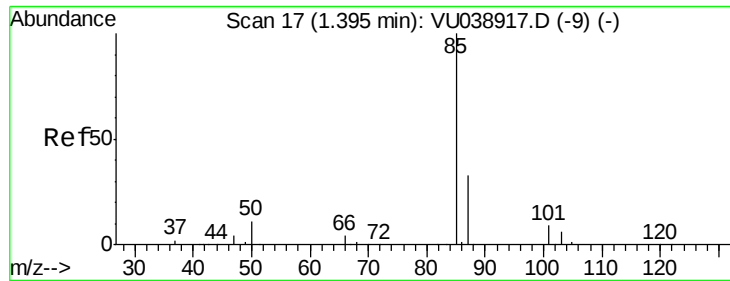
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 17 02:00:04 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.393 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038926.D

Acq: 16 Jun 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

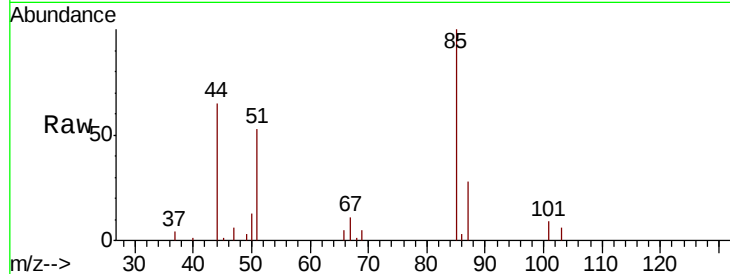
BFT73

Tot Ion: 85 Resp: 10730

Ion Ratio Lower Upper

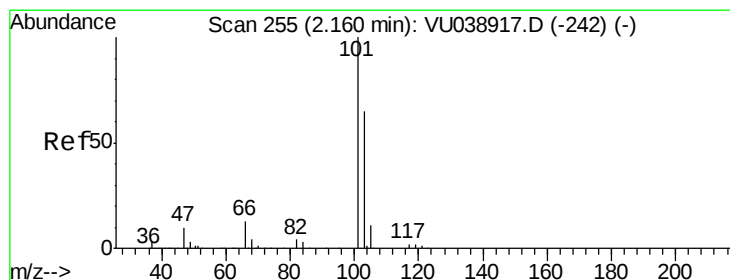
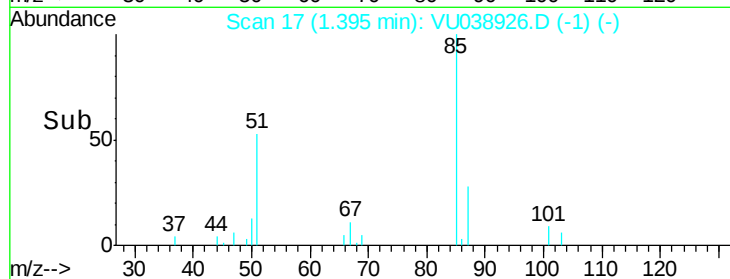
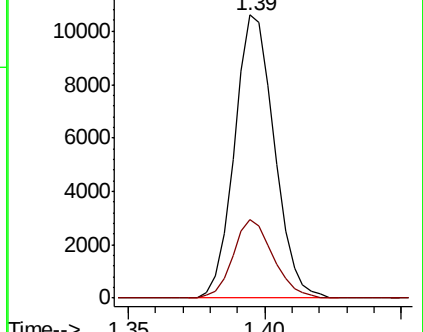
85 100

87 27.9 25.0 37.6



Abundance Ion 85.00 (84.70 to 85.70): VU038917.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038917.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 0.197 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038926.D

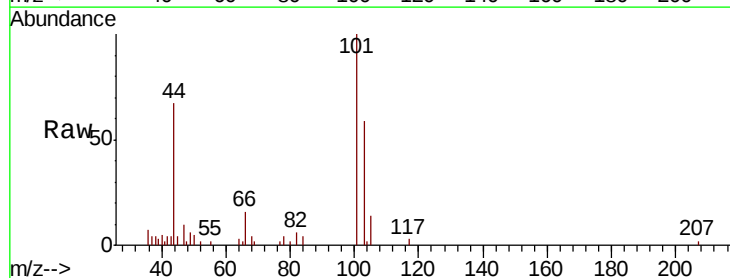
Acq: 16 Jun 2020 16:17

Tgt Ion: 101 Resp: 8217

Ion Ratio Lower Upper

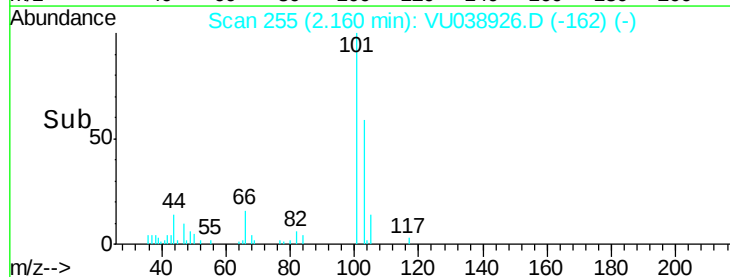
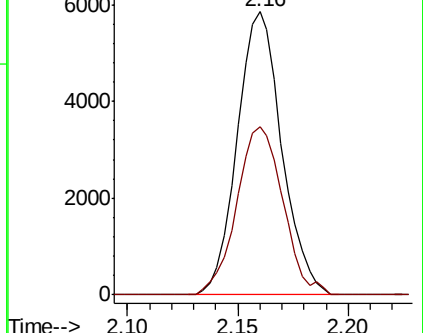
101 100

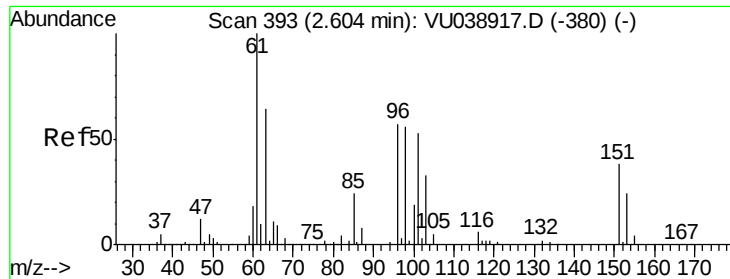
103 61.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038917.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038917.D (-242) (-)





#12

1,1-Dichloroethene

Concen: 0.093 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038926.D

Acq: 16 Jun 2020 16:17

Instrument :

MSVOA_U

ClientSampled :

BFT73

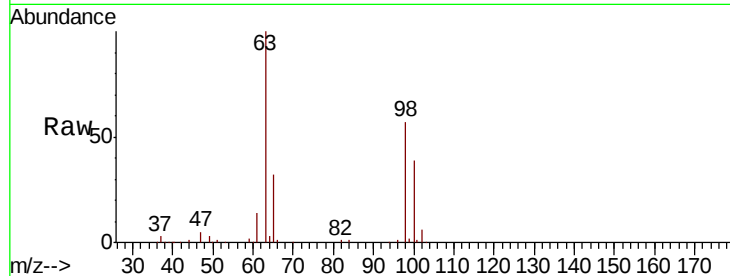
Tot Ion: 96 Resp: 1846

Ion Ratio Lower Upper

96 100

61 1375.8 124.9 232.1#

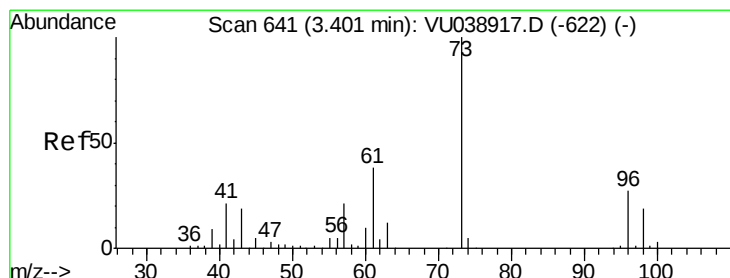
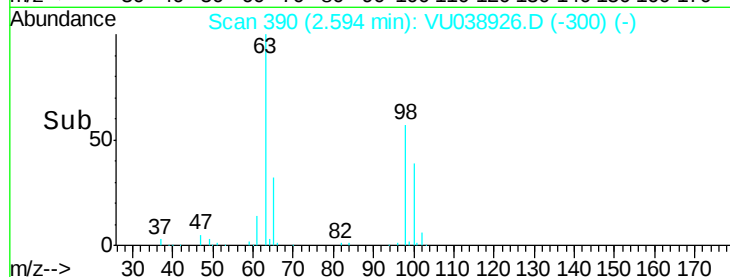
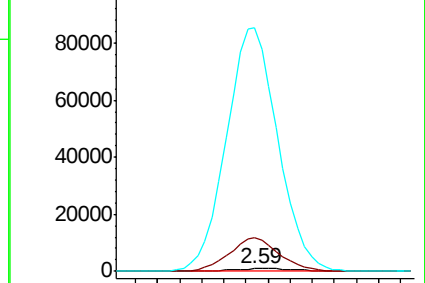
63 10065.1 79.1 146.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038917.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU038917.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU038917.D (-380) (-)



#17

Methyl tert-butyl Ether

Concen: 1.054 ug/L

RT: 3.40 min Scan# 641

Delta R.T. -0.00 min

Lab File: VU038926.D

Acq: 16 Jun 2020 16:17

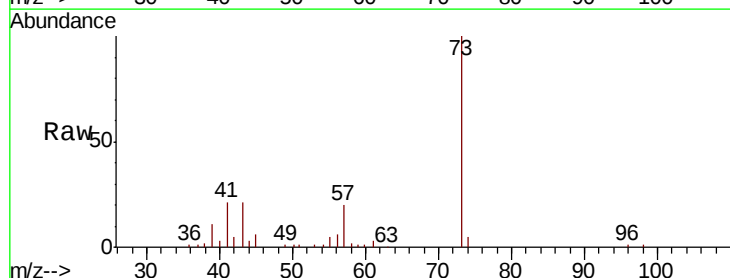
Tgt Ion: 73 Resp: 53334

Ion Ratio Lower Upper

73 100

43 19.2 16.6 24.8

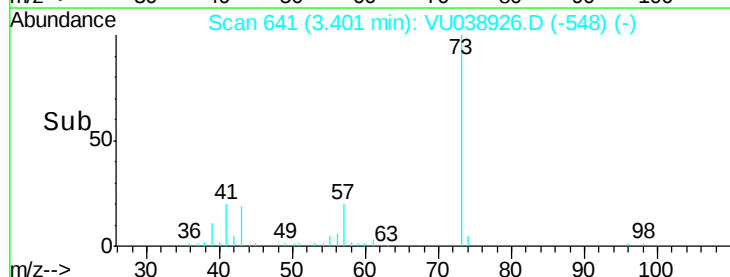
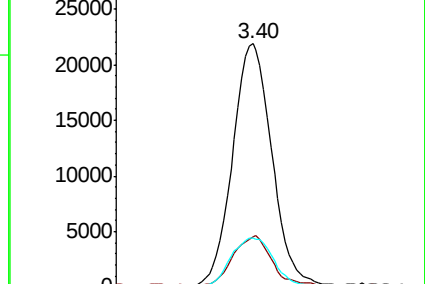
57 21.9 17.5 26.3

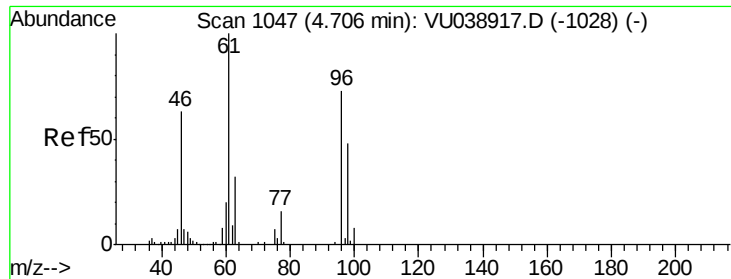


Abundance Ion 73.10 (72.80 to 73.80): VU038917.D (-622) (-)

Ion 43.05 (42.75 to 43.75): VU038917.D (-622) (-)

Ion 57.10 (56.80 to 57.80): VU038917.D (-622) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.085 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038926.D

Acq: 16 Jun 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

BFT73

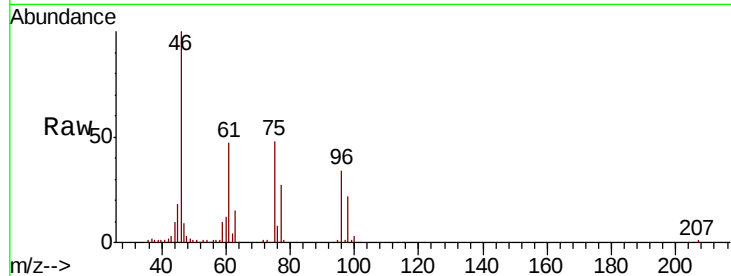
Tot Ion: 96 Resp: 23826

Ion Ratio Lower Upper

96 100

61 141.1 90.5 168.1

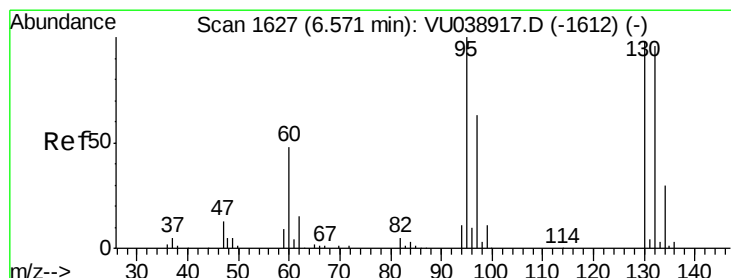
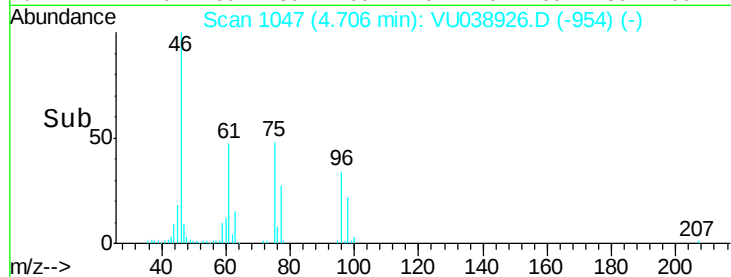
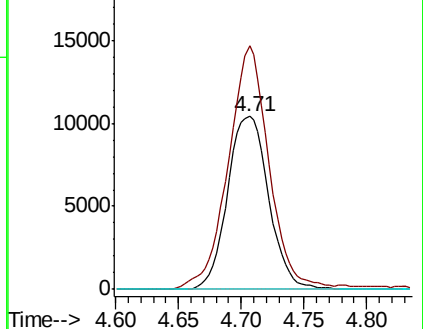
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038926.D (-1534) (-)

Ion 61.05 (60.75 to 61.75): VU038926.D (-1534) (-)

Ion 68.15 (67.85 to 68.85): VU038926.D (-1534) (-)



#34

Trichloroethene

Concen: 29.954 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038926.D

Acq: 16 Jun 2020 16:17

Tgt Ion: 95 Resp: 695118

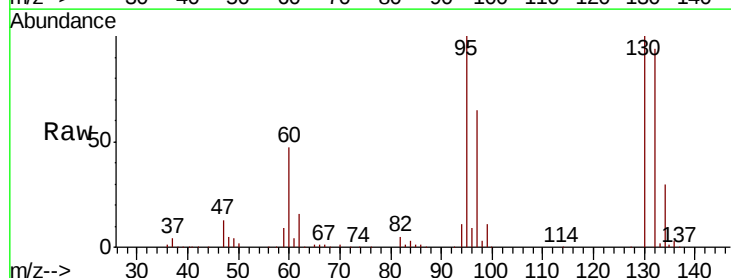
Ion Ratio Lower Upper

95 100

97 64.8 46.1 85.5

132 94.4 68.2 126.6

130 99.6 71.0 131.9

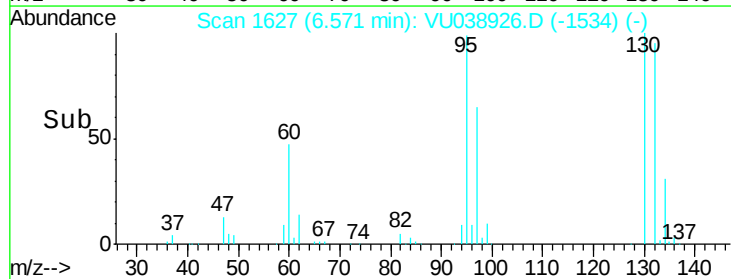
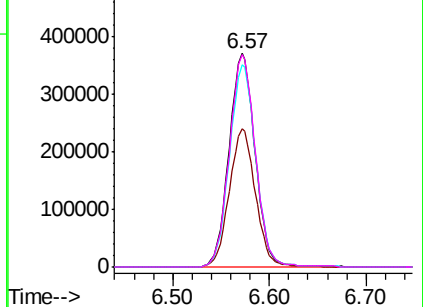


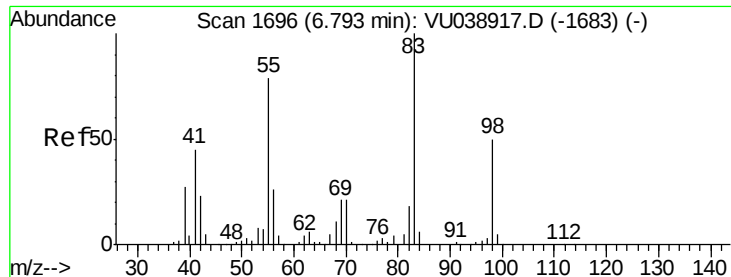
Abundance Ion 95.00 (94.70 to 95.70): VU038926.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038926.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038926.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038926.D (-1534) (-)

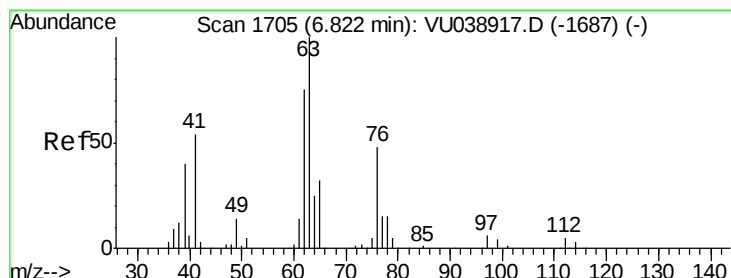
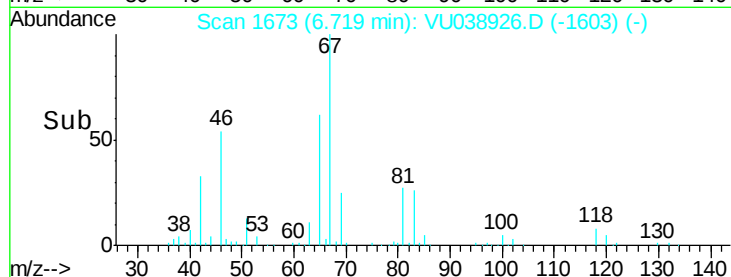
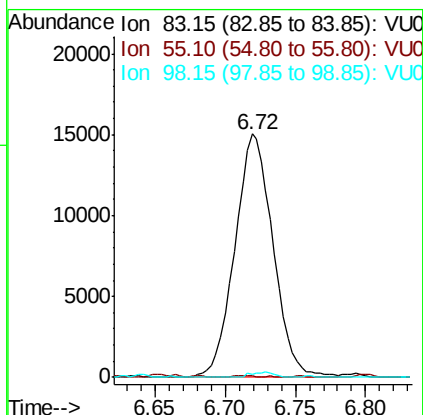
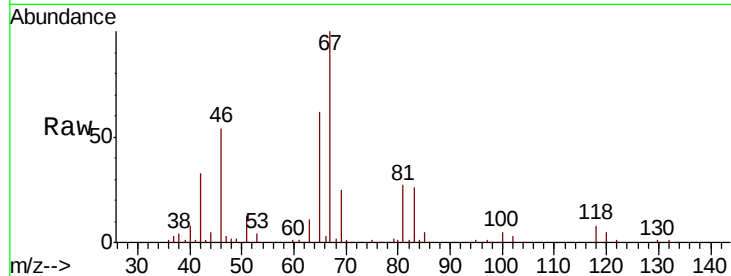




#35
Methvlcvclohexane
Concen: 0.824 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038926.D
Acq: 16 Jun 2020 16:17

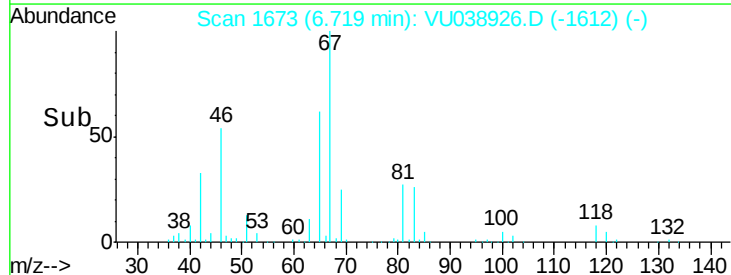
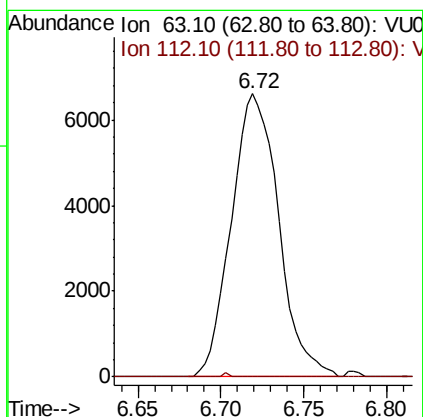
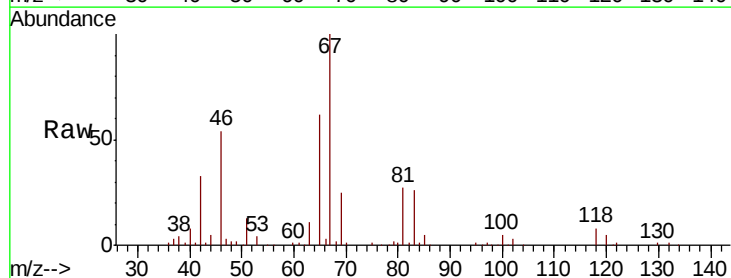
Instrument :
MSVOA_U
ClientSampleId :
BFT73

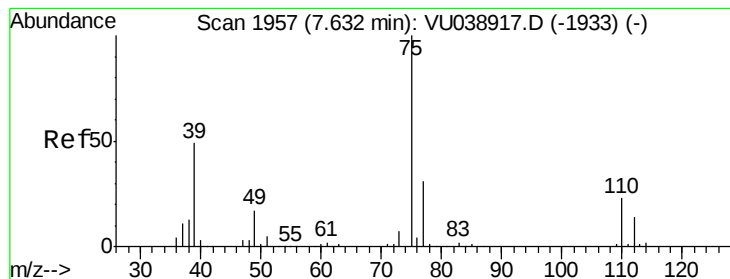
Tot Ion: 83 Resp: 28472
Ion Ratio Lower Upper
83 100
55 0.4 63.6 95.4#
98 0.0 38.9 58.3#



#37
1,2-Dichloropropane
Concen: 0.571 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038926.D
Acq: 16 Jun 2020 16:17

Tgt Ion: 63 Resp: 13096
Ion Ratio Lower Upper
63 100
112 0.2 3.8 5.8#



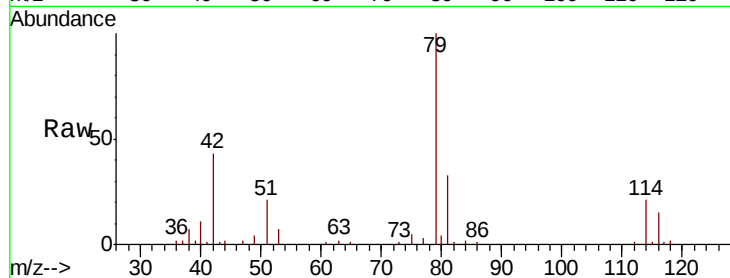


#39

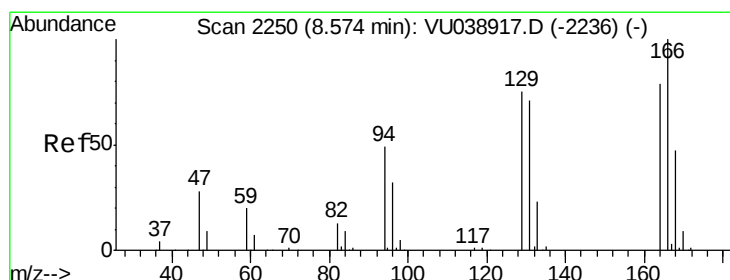
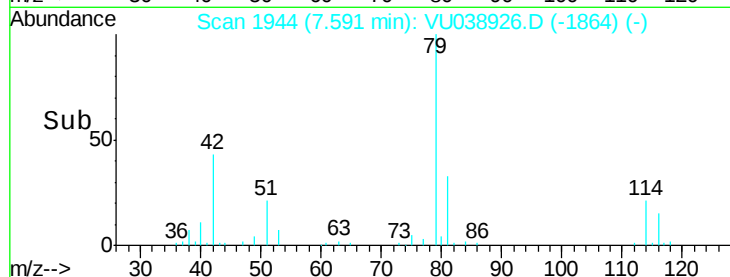
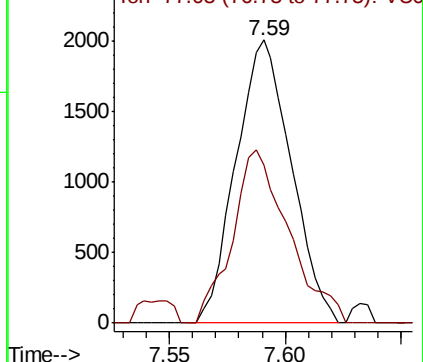
cis-1,3-Dichloropropene
Concen: 0.102 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU038926.D
Acq: 16 Jun 2020 16:17

Instrument :
MSVOA_U
ClientSampleId :
BFT73

Tot Ion: 75 Resp: 3335
Ion Ratio Lower Upper
75 100
77 55.7 23.0 42.6#



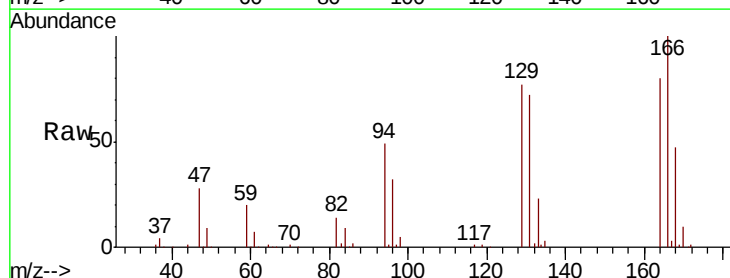
Abundance Ion 75.05 (74.75 to 75.75): VU038917.D (-1933) (-)
Ion 77.05 (76.75 to 77.75): VU038917.D (-1933) (-)



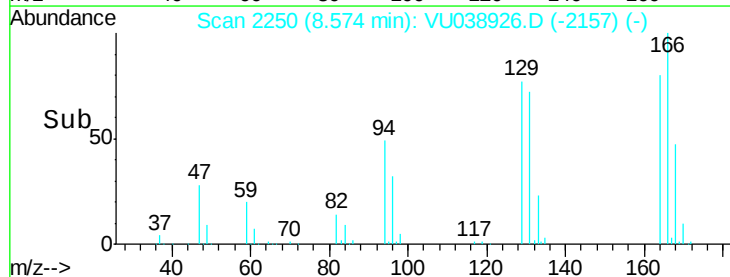
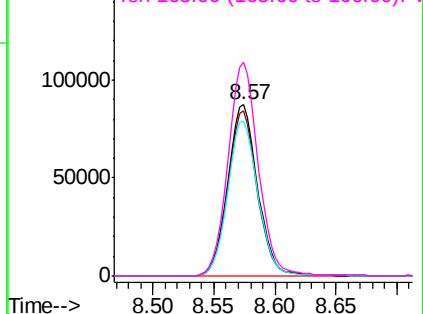
#47

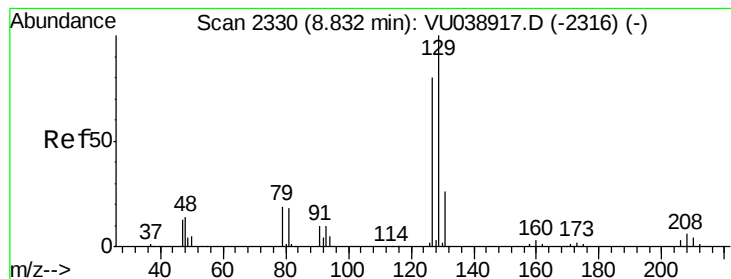
Tetrachloroethene
Concen: 8.432 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038926.D
Acq: 16 Jun 2020 16:17

Tgt Ion:164 Resp: 149968
Ion Ratio Lower Upper
164 100
129 96.3 65.5 121.7
131 90.4 63.9 118.7
166 124.9 87.9 163.3



Abundance Ion 163.90 (163.60 to 164.60): VU038917.D (-2236) (-)
Ion 128.95 (128.65 to 129.65): VU038917.D (-2236) (-)
Ion 130.95 (130.65 to 131.65): VU038917.D (-2236) (-)
Ion 165.90 (165.60 to 166.60): VU038917.D (-2236) (-)





#49

Dibromochloromethane

Concen: 6.922 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038926.D

Acq: 16 Jun 2020 16:17

Instrument :

MSVOA_U

ClientSampleId :

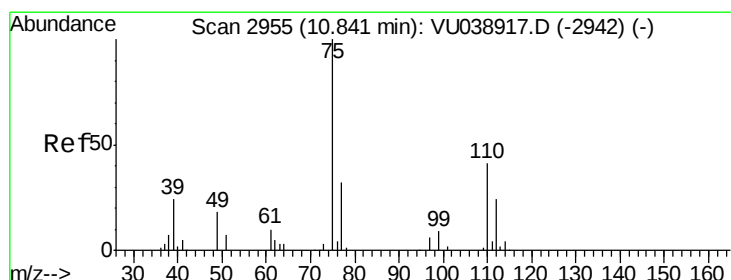
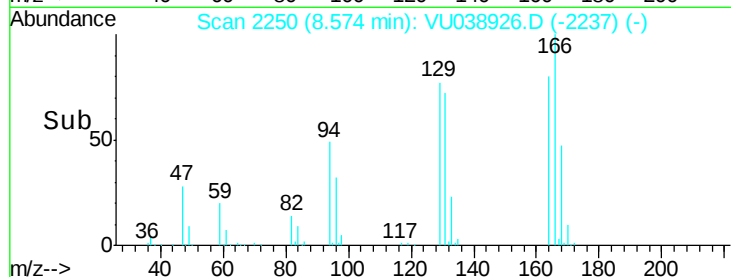
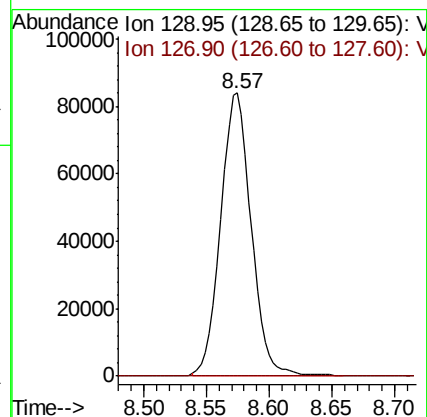
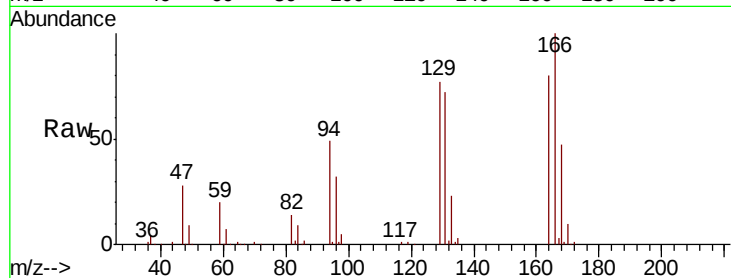
BFT73

Tot Ion:129 Resp: 140782

Ion Ratio Lower Upper

129 100

127 0.0 56.7 105.3#



#59

1,2,3-Trichloropropane

Concen: 0.918 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038926.D

Acq: 16 Jun 2020 16:17

Tgt Ion: 75 Resp: 16222

Ion Ratio Lower Upper

75 100

77 37.1 25.9 38.9

