

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038880.D
 Acq On : 13 Jun 2020 03:59
 Operator : SY/MD
 Sample : L2985-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 04:25:42 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

					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
35) Methylcyclohexane	6.72	83	25579	0.781 ug/L #	16
47) Tetrachloroethene	8.57	164	2281375	140.679 ug/L	99
49) Dibromochloromethane	8.57	129	2170301	125.444 ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	15009	0.996 ug/L	91

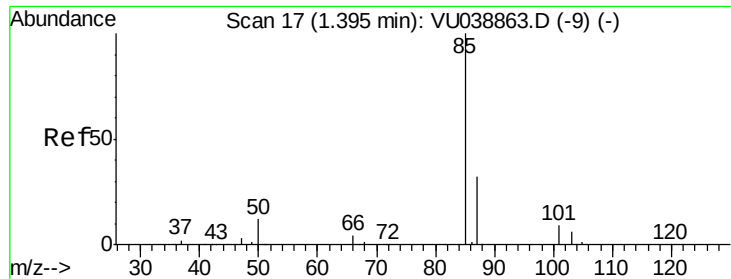
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
Data File : VU038880.D
Acq On : 13 Jun 2020 03:59
Operator : SY/MD
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Quant Time: Jun 13 04:25:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 13 02:52:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#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

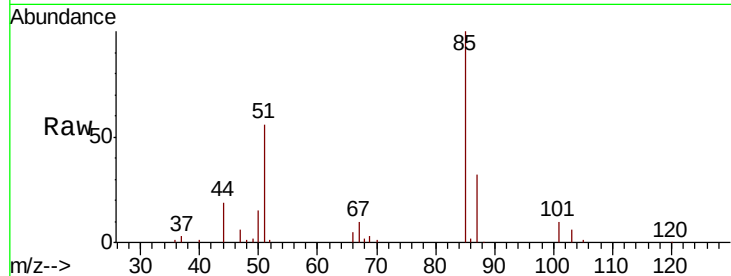
ClientSampleId :

Tot Ion: 85 Resp: 31284

Ion Ratio Lower Upper

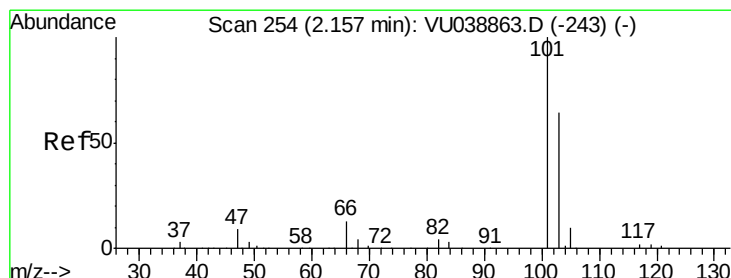
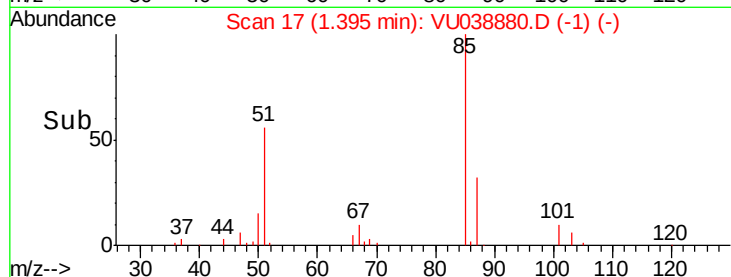
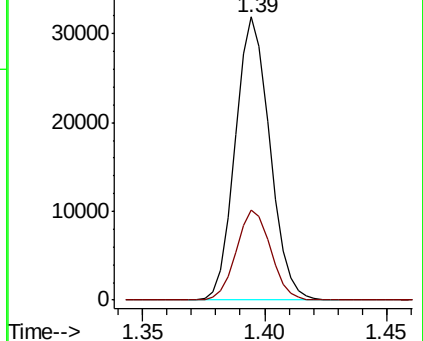
85 100

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): VU038863.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 10.054 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038880.D

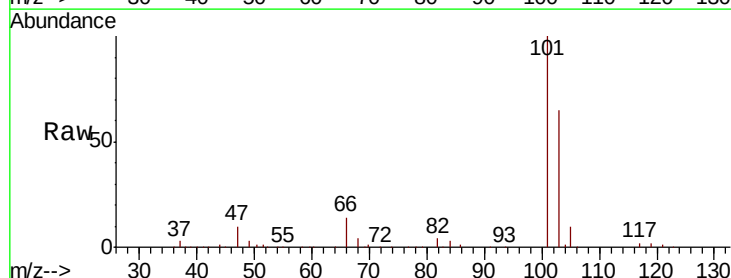
Acq: 13 Jun 2020 03:59

Tgt Ion: 101 Resp: 329182

Ion Ratio Lower Upper

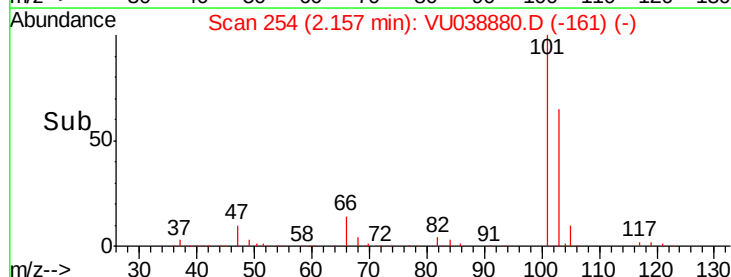
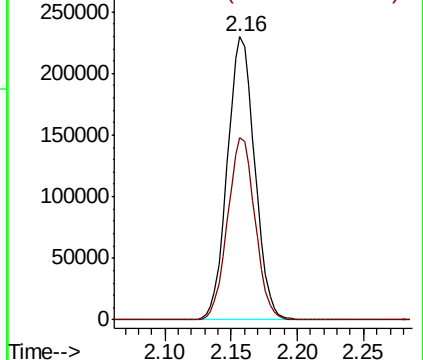
101 100

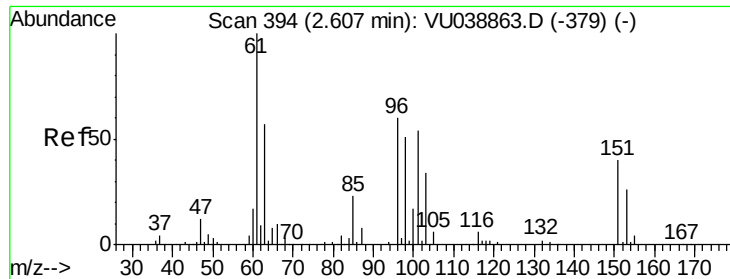
103 64.7 51.5 77.3



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

Ion 103.00 (102.70 to 103.70): VU038863.D (-243) (-)





#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 :

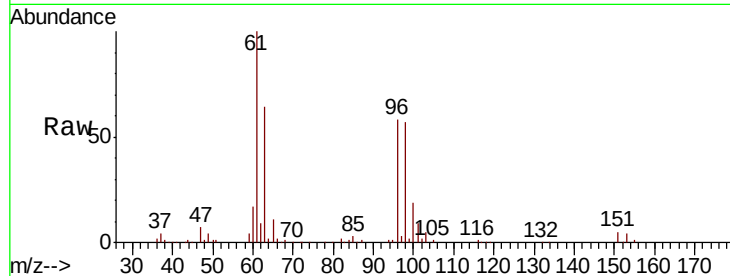
Tot Ion:101 Resp: 14008

Ion Ratio Lower Upper

101 100

85 38.0 34.5 51.7

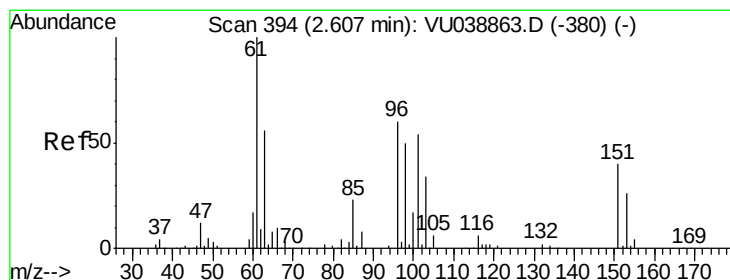
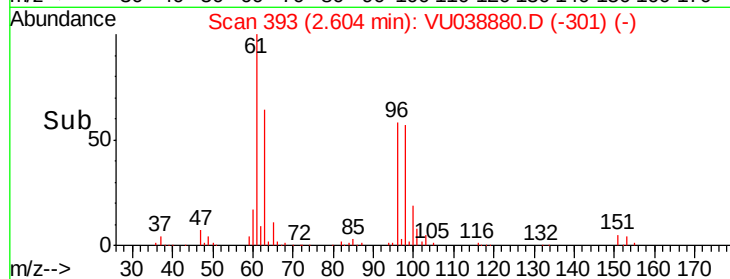
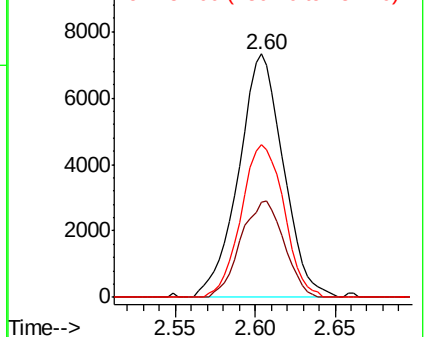
151 59.9 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#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

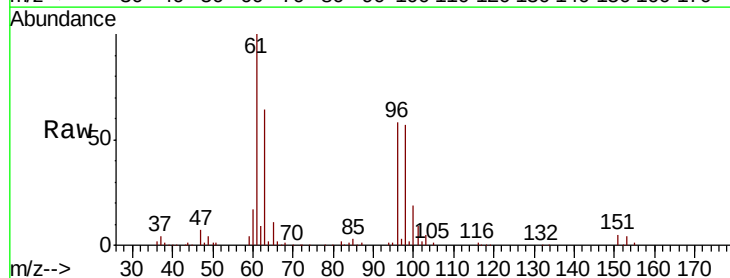
Tgt Ion: 96 Resp: 80293

Ion Ratio Lower Upper

96 100

61 173.0 120.2 223.2

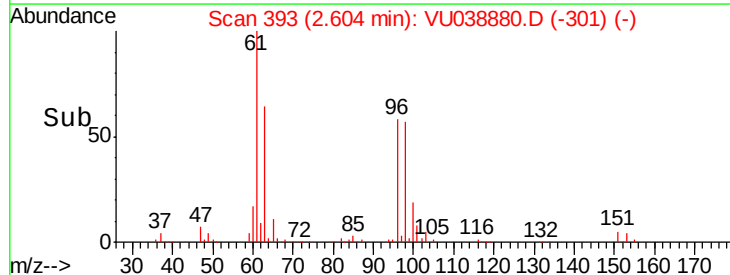
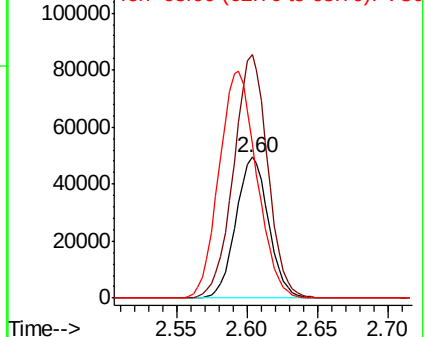
63 109.9 90.1 167.3

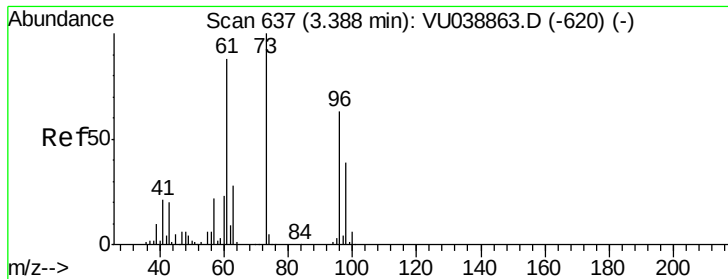


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

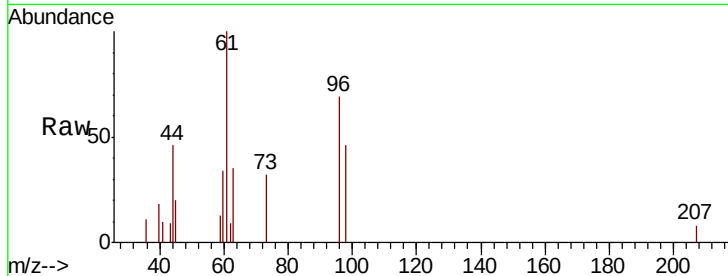




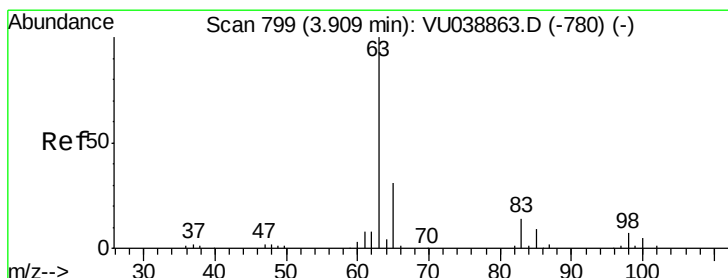
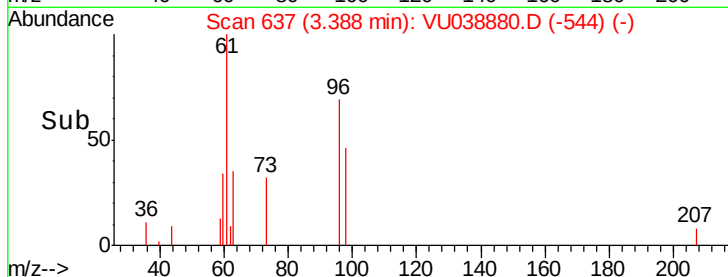
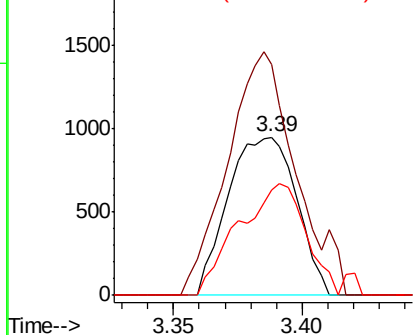
#18
trans-1,2-Dichloroethene
Concen: 0.090 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038880.D
Acq: 13 Jun 2020 03:59

Instrument :
MSVOA_U
ClientSampleId :

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

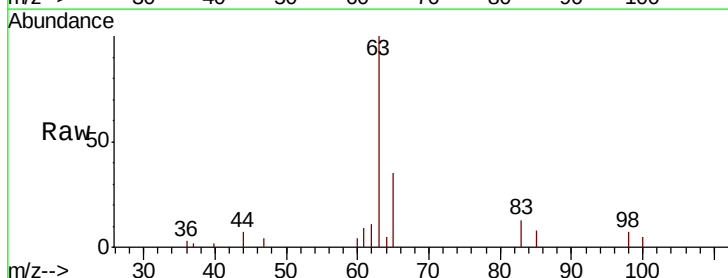


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

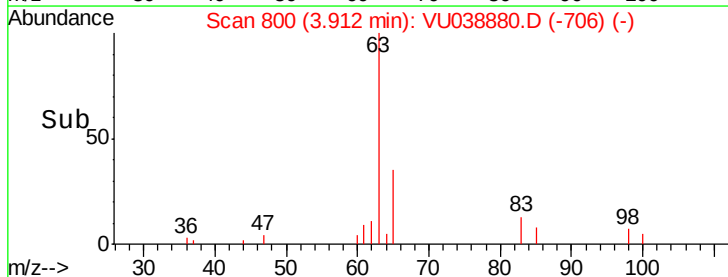
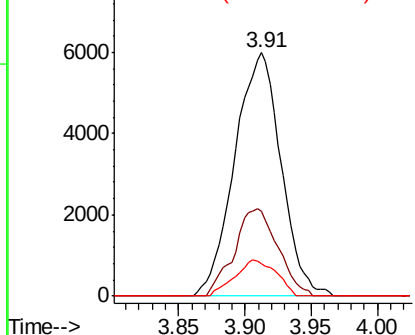


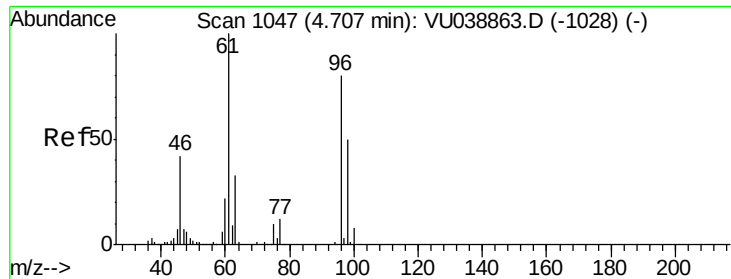
#19
1,1-Dichloroethane
Concen: 0.416 ug/L
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU038880.D
Acq: 13 Jun 2020 03:59

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): 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: 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 :

MSVOA_U

ClientSampleId :

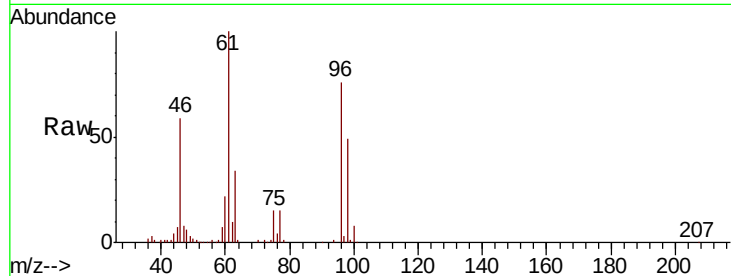
Tot Ion: 96 Resp: 168313

Ion Ratio Lower Upper

96 100

61 132.2 89.7 166.7

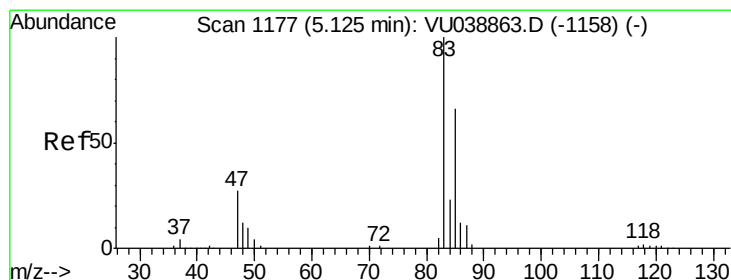
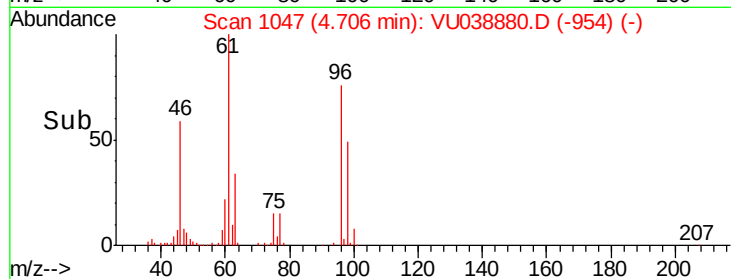
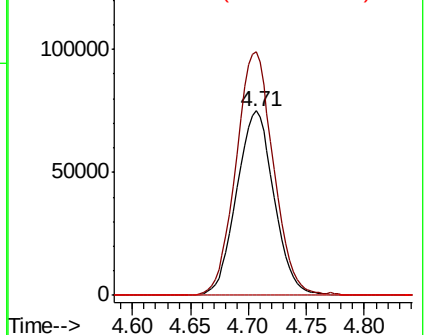
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038880.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038880.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038880.D (-954) (-)



#25

Chloroform

Concen: 0.332 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038880.D

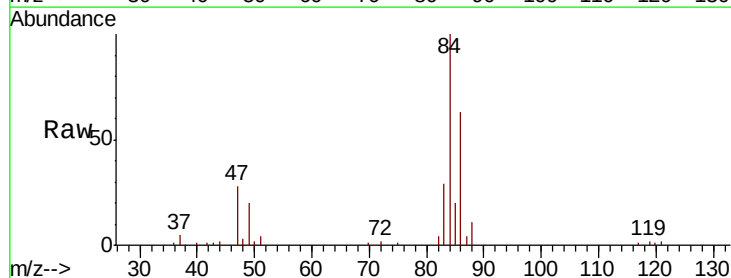
Acq: 13 Jun 2020 03:59

Tgt Ion: 83 Resp: 11958

Ion Ratio Lower Upper

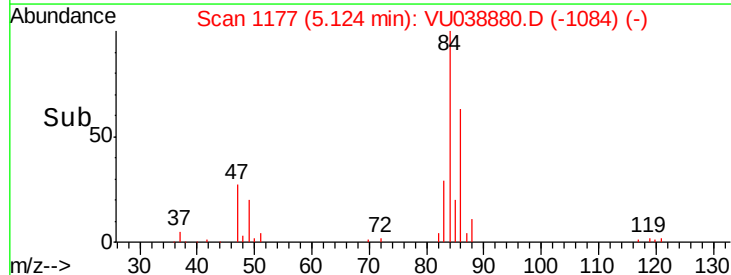
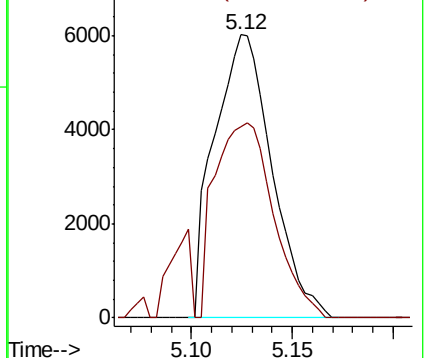
83 100

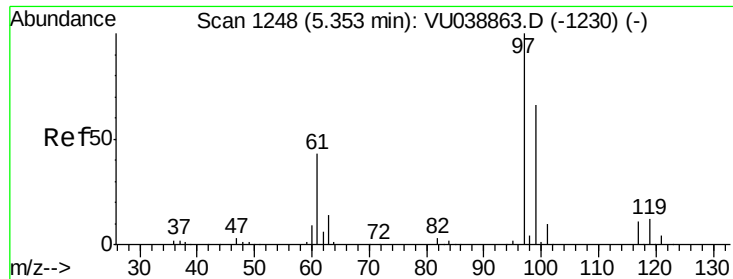
85 67.8 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VU038880.D (-1084) (-)

Ion 85.00 (84.70 to 85.70): VU038880.D (-1084) (-)



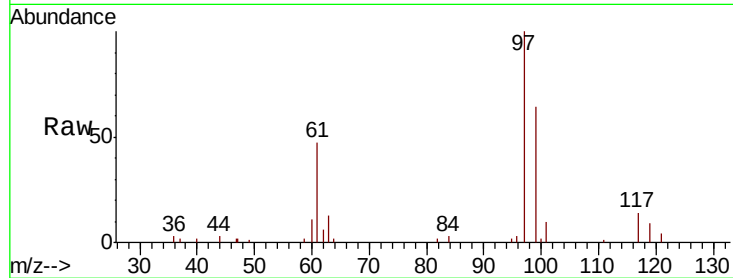


#29
 1,1,1-Trichloroethane
 Concen: 0.768 ug/L
 RT: 5.35 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: VU038880.D
 Acq: 13 Jun 2020 03:59

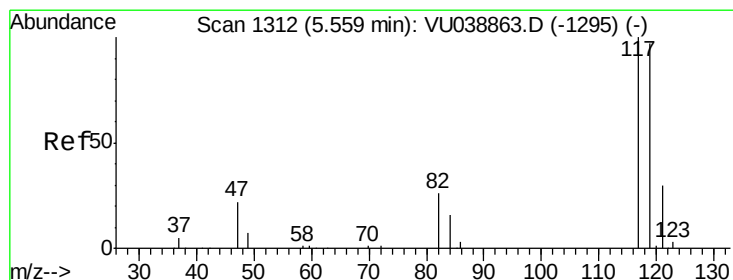
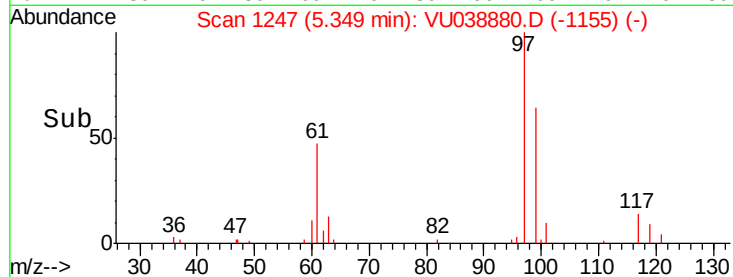
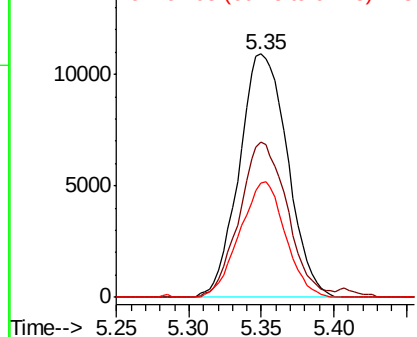
Instrument :
 MSVOA_U
 ClientSampleID :

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



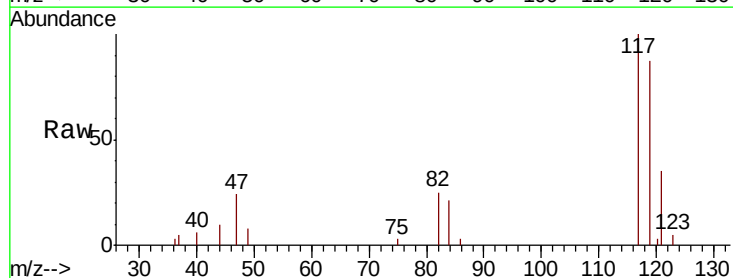
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0



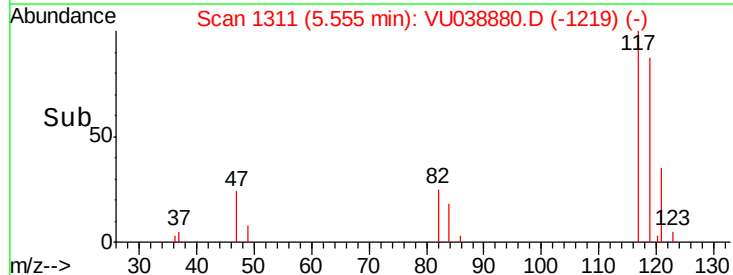
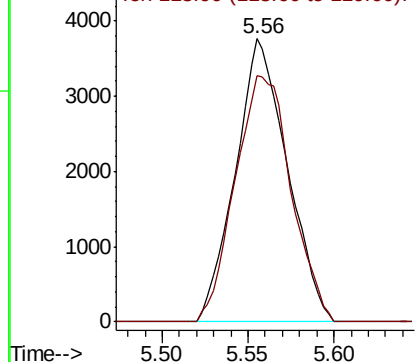
#31
 Carbon tetrachloride
 Concen: 0.283 ug/L
 RT: 5.56 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: VU038880.D
 Acq: 13 Jun 2020 03:59

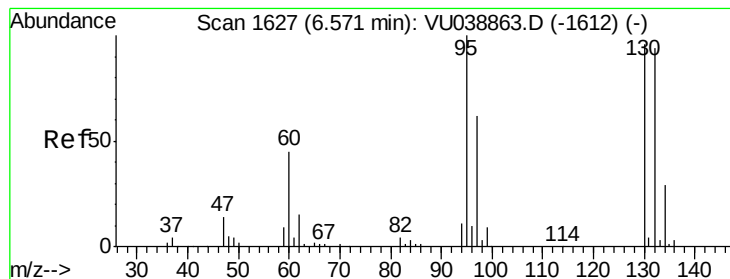
Tgt Ion: 117 Resp: 7868

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

ClientSampleId :

Tot Ion: 95 Resp: 1857352

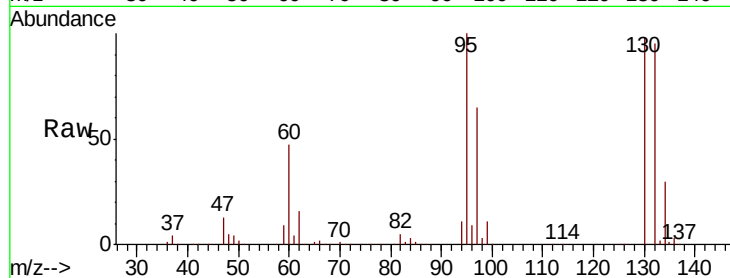
Ion Ratio Lower Upper

95 100

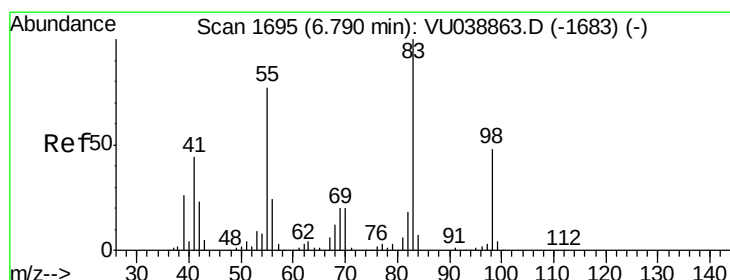
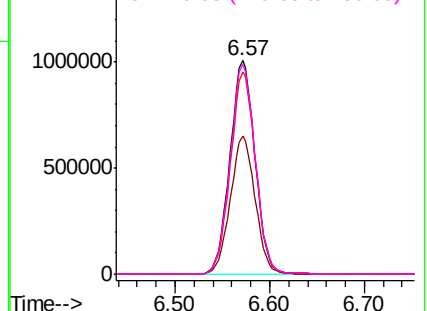
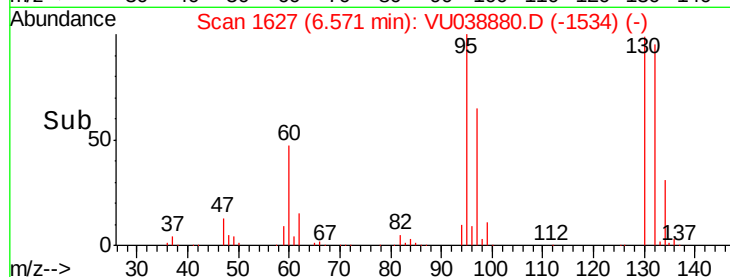
97 64.5 46.1 85.5

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) (-)



#35

Methylcyclohexane

Concen: 0.781 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.07 min

Lab File: VU038880.D

Acq: 13 Jun 2020 03:59

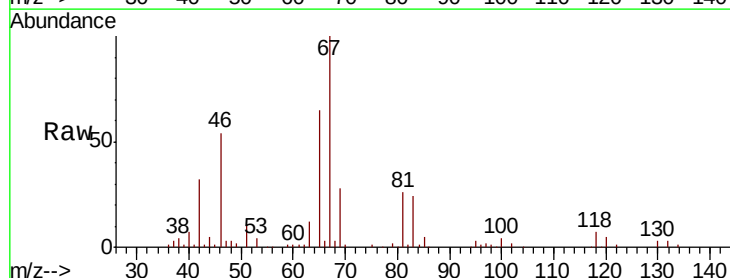
Tgt Ion: 83 Resp: 25579

Ion Ratio Lower Upper

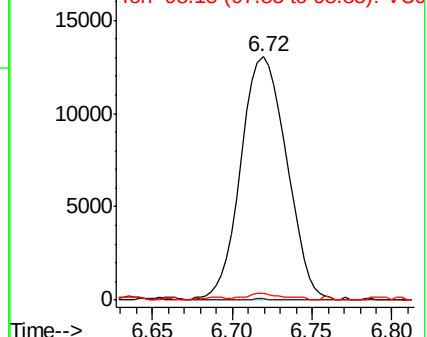
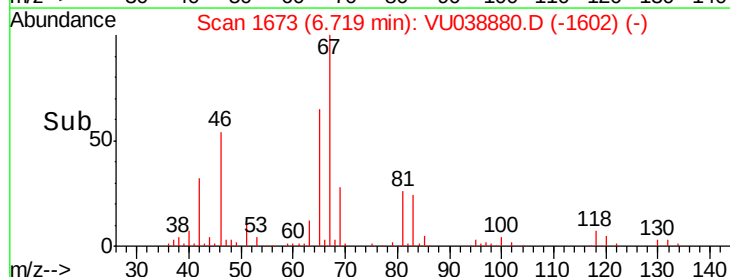
83 100

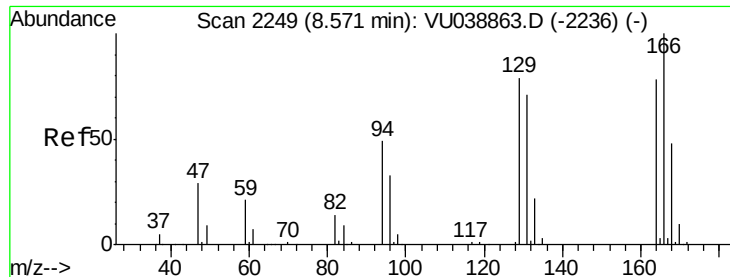
55 0.2 64.2 96.2#

98 0.0 40.5 60.7#



Abundance Ion 83.15 (82.85 to 83.85): VU038880.D (-1602) (-)





#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

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 2281375

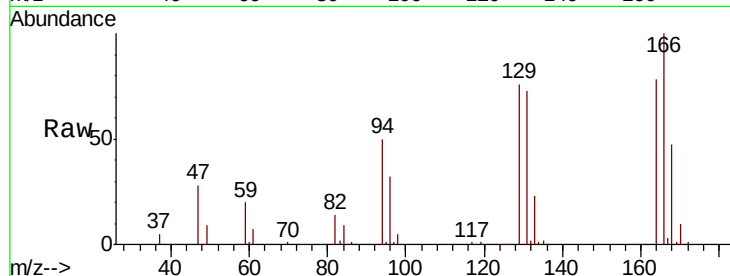
Ion Ratio Lower Upper

164 100

129 96.4 67.3 124.9

131 93.2 65.0 120.6

166 127.4 91.0 169.0



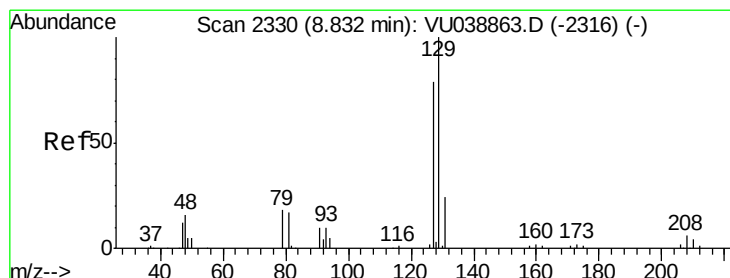
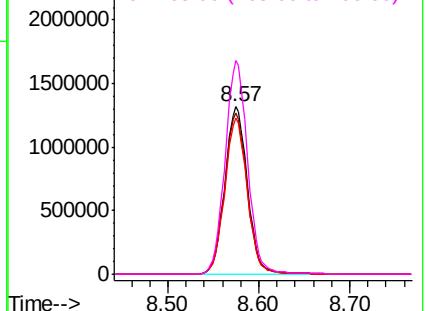
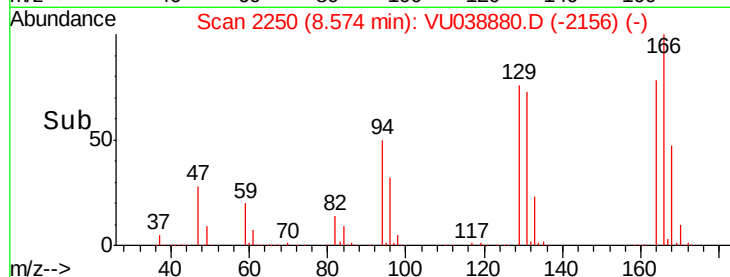
Abundance

Ion 163.90 (163.60 to 164.60): 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



#49

Dibromochloromethane

Concen: 125.444 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038880.D

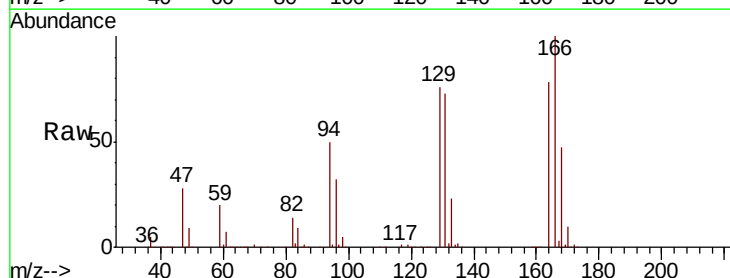
Acq: 13 Jun 2020 03:59

Tgt Ion:129 Resp: 2170301

Ion Ratio Lower Upper

129 100

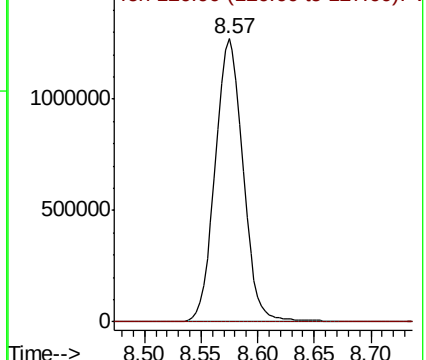
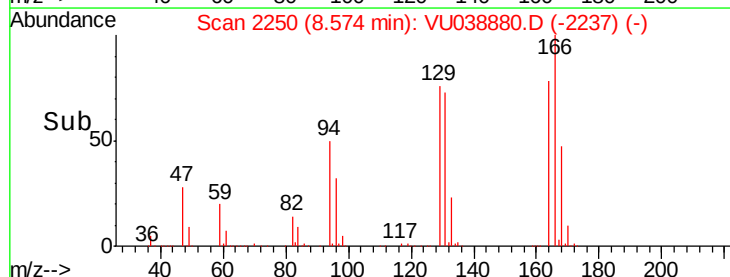
127 0.0 55.5 103.1#

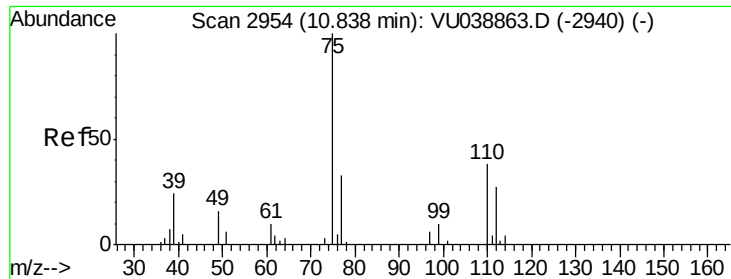


Abundance

Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.996 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038880.D

Acq: 13 Jun 2020 03:59

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 15009

Ion Ratio Lower Upper

75 100

77 37.1 25.8 38.8

