

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038870.D
 Acq On : 13 Jun 2020 00:09
 Operator : SY/MD
 Sample : L2975-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF8Q5

Quant Time: Jun 13 03:31:39 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	260845	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	263777	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	123831	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63143	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.93	69	62800	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.00%
11) 1,1-Dichloroethene-d2	2.59	63	109846	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.67	46	313364	70.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	140.46%#
24) Chloroform-d	5.10	84	174706	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.00%
26) 1,2-Dichloroethane-d4	5.74	65	107257	6.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.60%
32) Benzene-d6	5.76	84	321603	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.72	67	105788	5.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.80%
41) Toluene-d8	7.92	98	264258	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
43) trans-1,3-Dichloropropene-	8.20	79	38553	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.66	63	266809	73.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	146.66%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	99417	6.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.20%#
64) 1,2-Dichlorobenzene-d4	12.20	152	114744	5.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

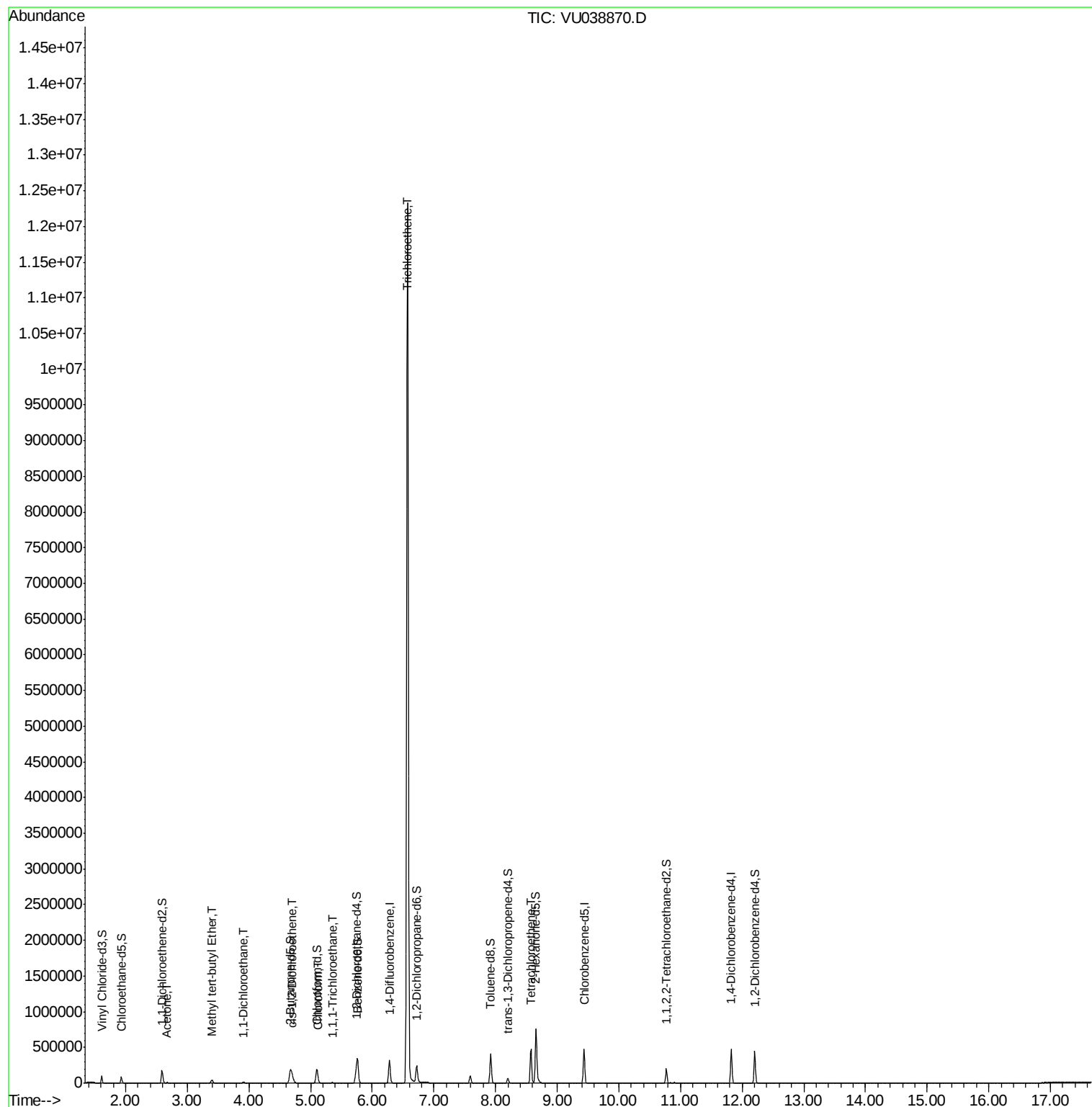
					Ovalue
13) Acetone	2.67	43	9935	2.745	ug/L 82
17) Methyl tert-butyl Ether	3.40	73	42977	0.913	ug/L 98
19) 1,1-Dichloroethane	3.91	63	16308	0.462	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	26421	1.293	ug/L 95
25) Chloroform	5.12	83	14554	0.400	ug/L 85
29) 1,1,1-Trichloroethane	5.35	97	7174	0.220	ug/L 96
34) Trichloroethene	6.57	95	4177710	200.716	ug/L 97
47) Tetrachloroethene	8.57	164	106386	6.639	ug/L 98

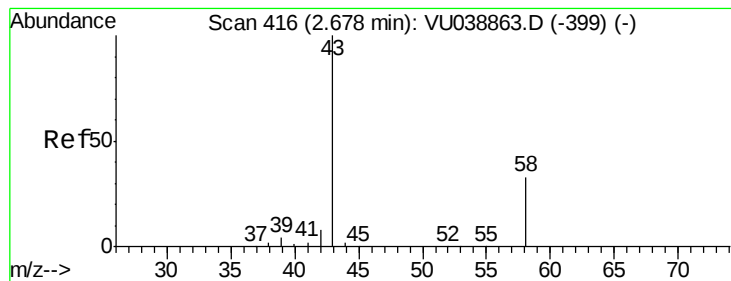
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.745 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU038870.D

Acq: 13 Jun 2020 00:09

Instrument :

MSVOA_U

ClientSampled :

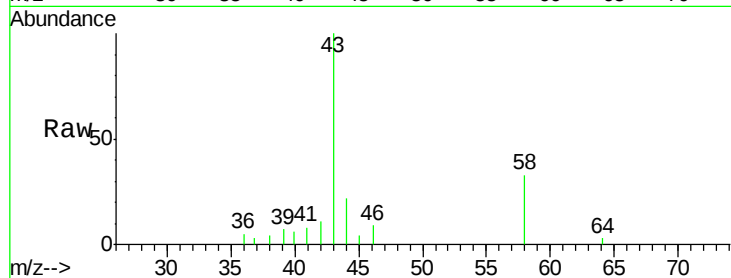
BF8Q5

Tot Ion: 43 Resp: 9935

Ion Ratio Lower Upper

43 100

58 22.7 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038870.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU038870.D (-323) (-)

2.67

4000

3000

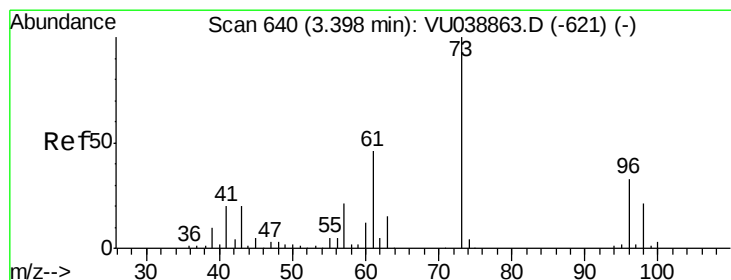
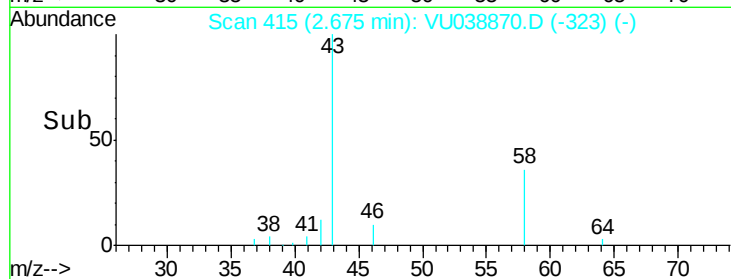
2000

1000

0

2.60 2.65 2.70 2.75

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.913 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038870.D

Acq: 13 Jun 2020 00:09

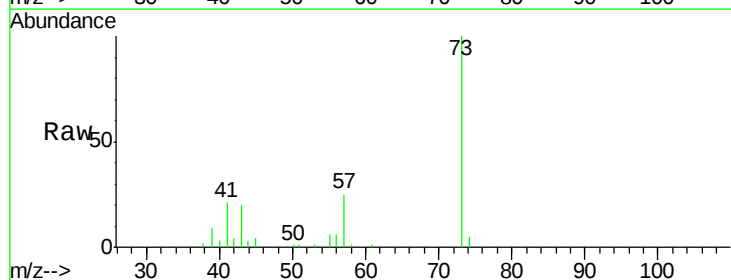
Tgt Ion: 73 Resp: 42977

Ion Ratio Lower Upper

73 100

43 20.9 15.9 23.9

57 22.6 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VU038870.D (-547) (-)

Ion 43.05 (42.75 to 43.75): VU038870.D (-547) (-)

Ion 57.10 (56.80 to 57.80): VU038870.D (-547) (-)

3.40

25000

20000

15000

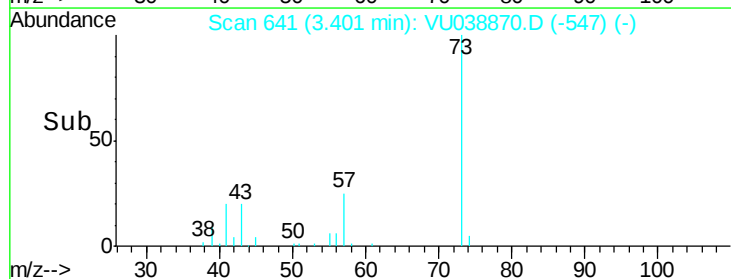
10000

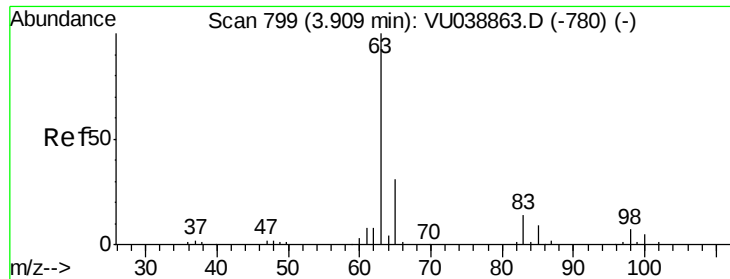
5000

0

3.30 3.35 3.40 3.45 3.50

Time-->





#19

1,1-Dichloroethane

Concen: 0.462 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038870.D

Acq: 13 Jun 2020 00:09

Instrument :

MSVOA_U

ClientSampleId :

BF8Q5

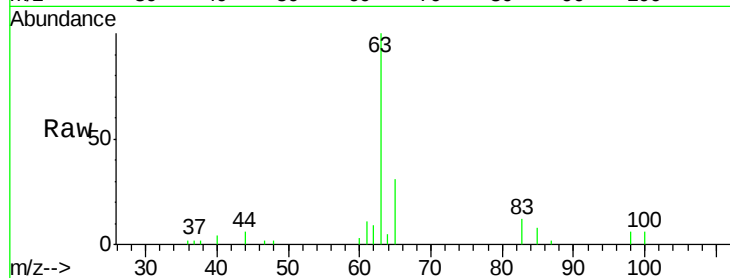
Tot Ion: 63 Resp: 16308

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.5

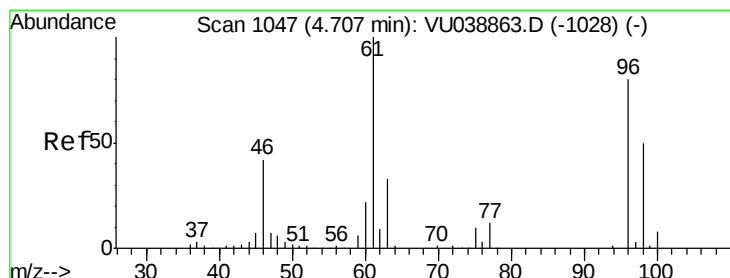
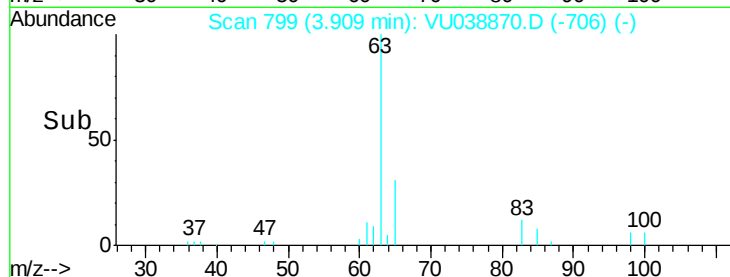
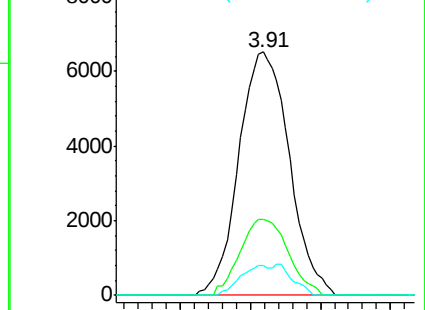
83 12.1 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU038870.D (-954) (-)

Ion 65.10 (64.80 to 65.80): VU038870.D (-954) (-)

Ion 83.05 (82.75 to 83.75): VU038870.D (-954) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.293 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038870.D

Acq: 13 Jun 2020 00:09

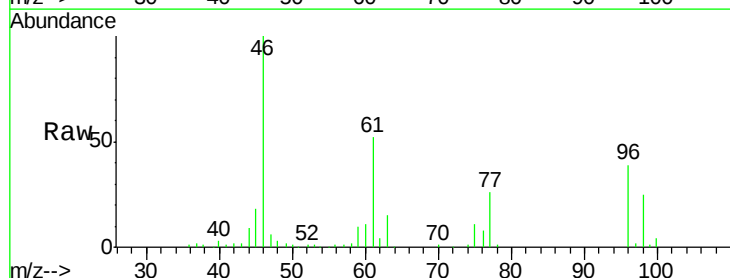
Tgt Ion: 96 Resp: 26421

Ion Ratio Lower Upper

96 100

61 134.5 89.7 166.7

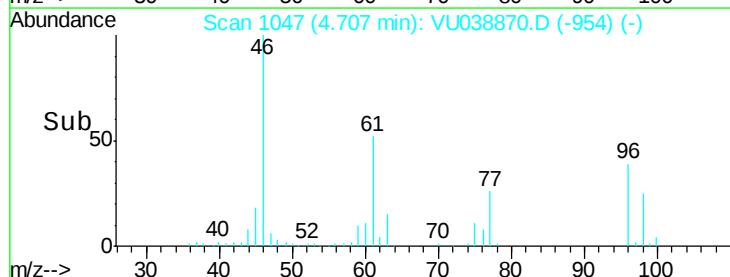
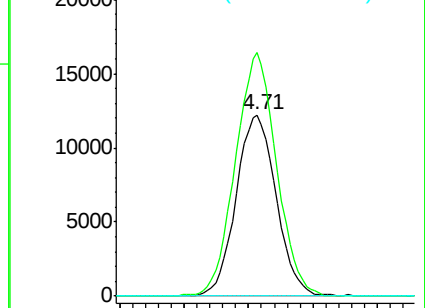
68 0.0 0.0 0.0

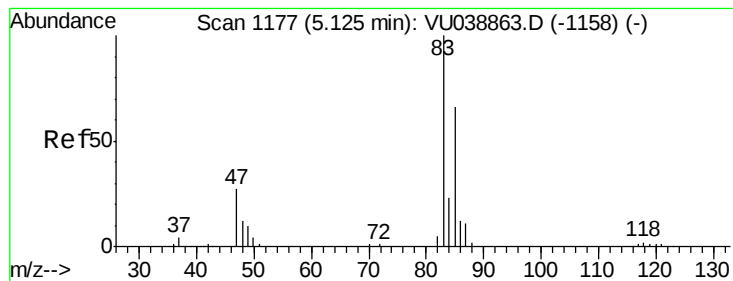


Abundance Ion 96.00 (95.70 to 96.70): VU038870.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038870.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038870.D (-954) (-)





#25

Chloroform

Concen: 0.400 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU038870.D

Acq: 13 Jun 2020 00:09

Instrument :

MSVOA_U

ClientSampleId :

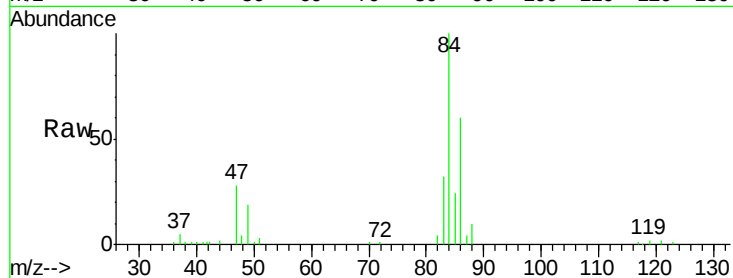
BF8Q5

Tot Ion: 83 Resp: 14554

Ion Ratio Lower Upper

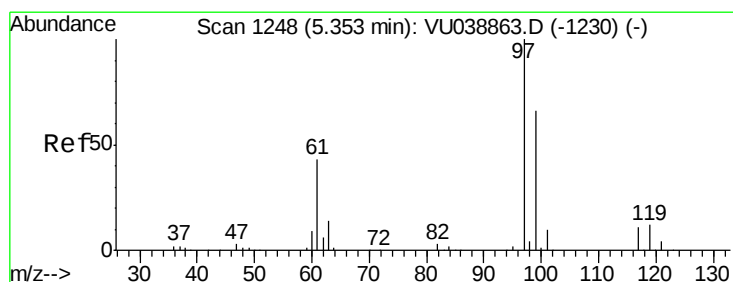
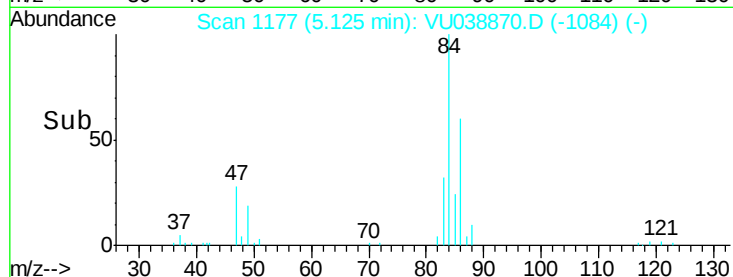
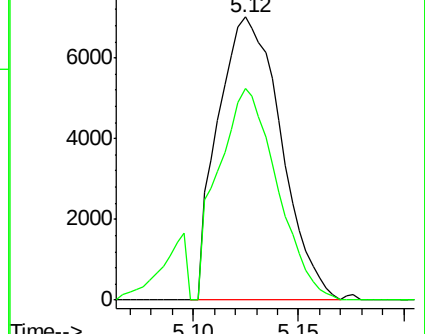
83 100

85 74.7 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#29

1,1,1-Trichloroethane

Concen: 0.220 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VU038870.D

Acq: 13 Jun 2020 00:09

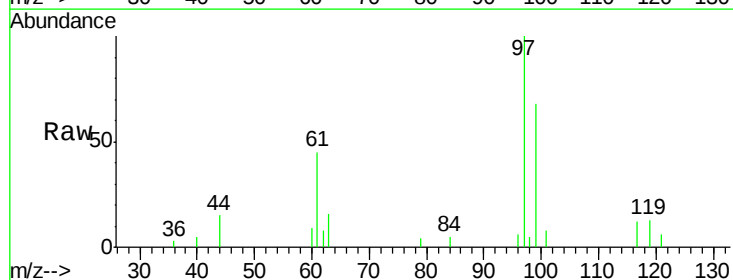
Tgt Ion: 97 Resp: 7174

Ion Ratio Lower Upper

97 100

99 69.7 52.1 78.1

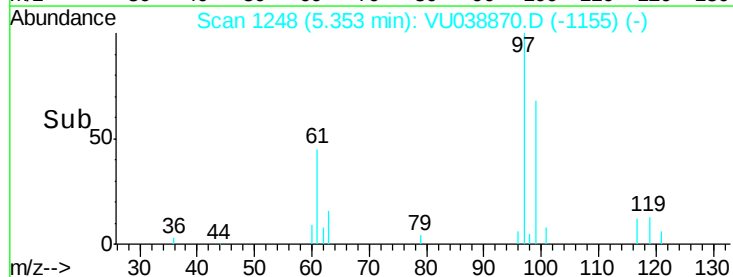
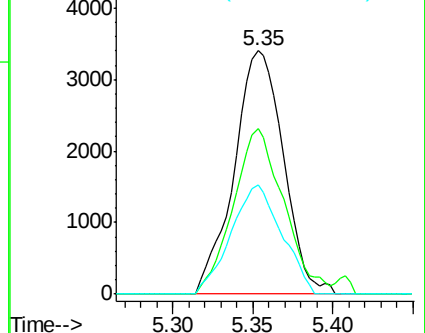
61 45.9 35.9 53.9

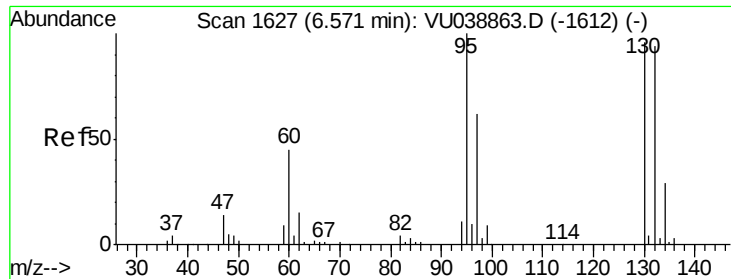


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



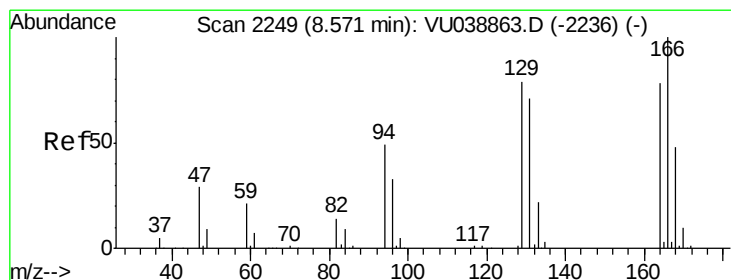
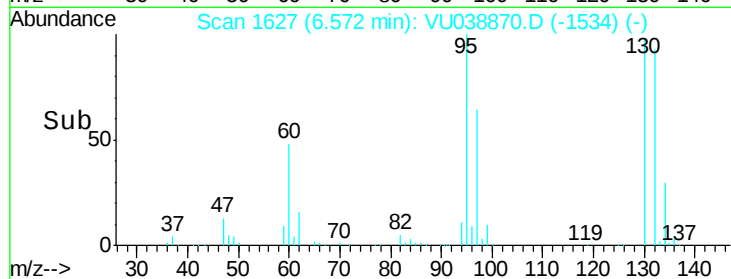
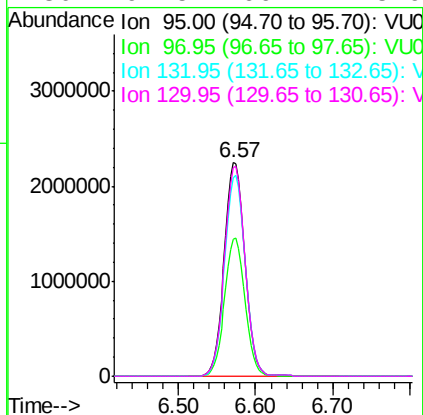
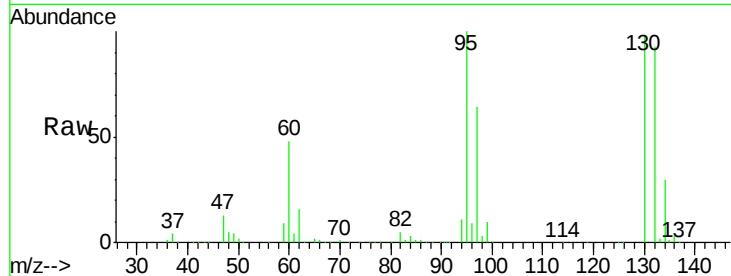


#34
 Trichloroethene
 Concen: 200.716 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038870.D
 Acq: 13 Jun 2020 00:09

Instrument :
 MSVOA_U
 ClientSampleId :
 BF8Q5

Tot Ion: 95 Resp: 4177710

Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.1	85.5
132	93.1	67.5	125.3
130	97.5	66.7	123.9



#47
 Tetrachloroethene
 Concen: 6.639 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038870.D
 Acq: 13 Jun 2020 00:09

Tgt Ion: 164 Resp: 106386

Ion	Ratio	Lower	Upper
164	100		
129	98.3	67.3	124.9
131	97.1	65.0	120.6
166	128.8	91.0	169.0

