

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

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 02:56:58 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

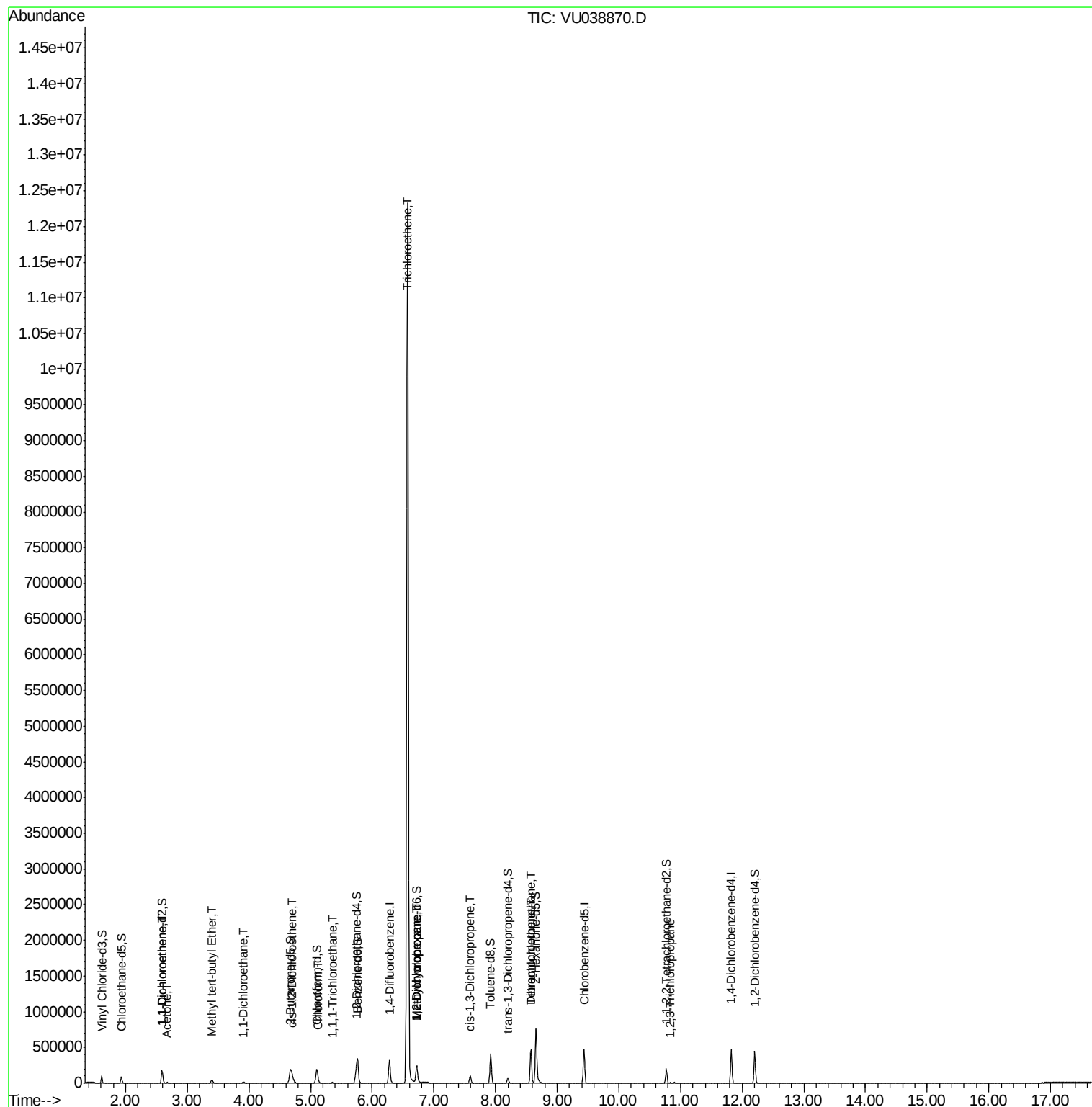
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	3483	0.191	ug/L #	1
13) Acetone	2.67	43	9935	2.745	ug/L	82
17) Methyl tert-butyl Ether	3.40	73	42977	0.913	ug/L	98
19) 1,1-Dichloroethane	3.91	63	16308	0.462	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	26421	1.293	ug/L	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
35) Methylcyclohexane	6.72	83	24933	0.770	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	12046	0.600	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	2637	0.089	ug/L	84
47) Tetrachloroethene	8.57	164	106386	6.639	ug/L	98
49) Dibromochloromethane	8.57	129	101981	5.966	ug/L #	10
59) 1,2,3-Trichloropropane	10.84	75	3268	0.219	ug/L	98

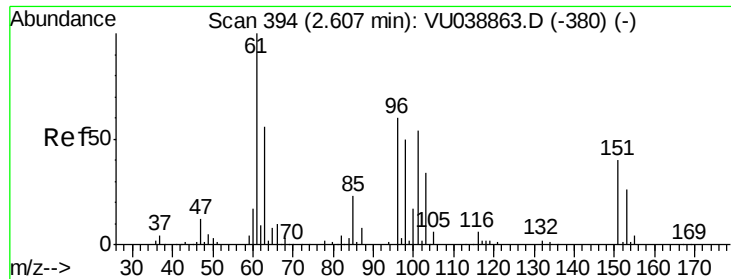
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
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QLast Update : Sat Jun 13 02:52:53 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.191 ug/L

RT: 2.60 min Scan# 393

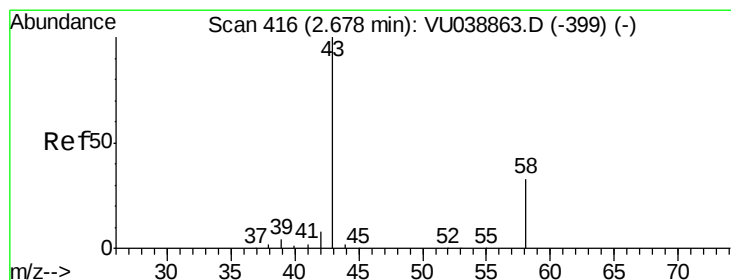
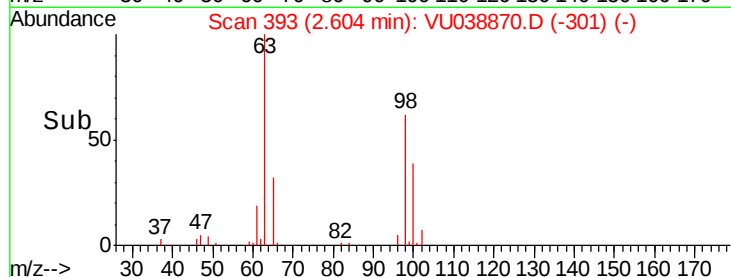
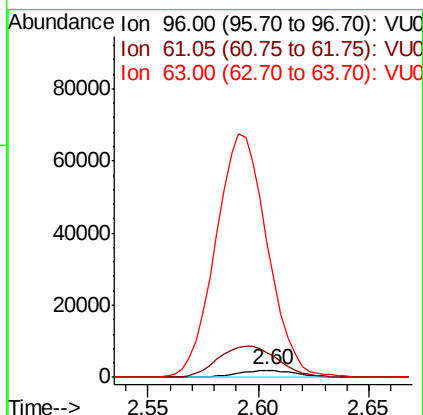
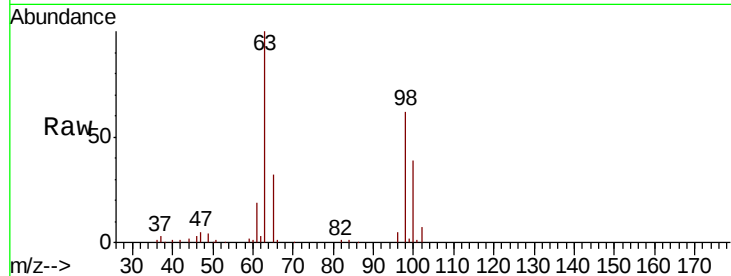
Delta R.T. -0.00 min

Lab File: VU038870.D

Acq: 13 Jun 2020 00:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 3483
Ion Ratio Lower Upper
96 100
61 365.9 120.2 223.2#
63 1965.1 90.1 167.3#



#13

Acetone

Concen: 2.745 ug/L

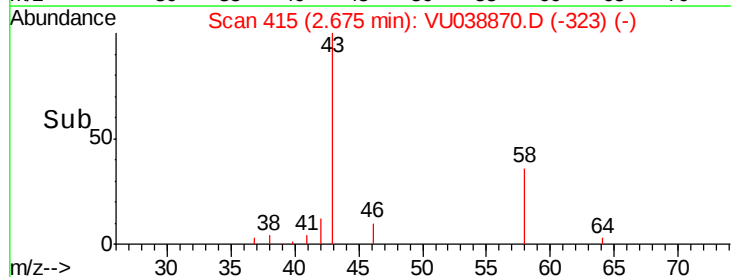
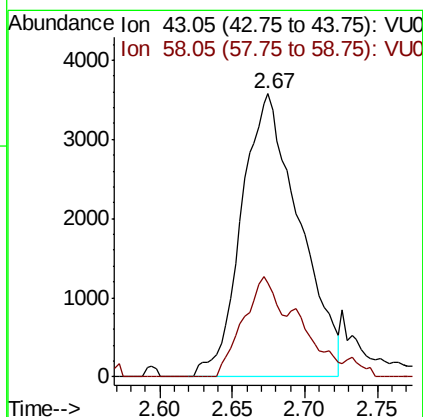
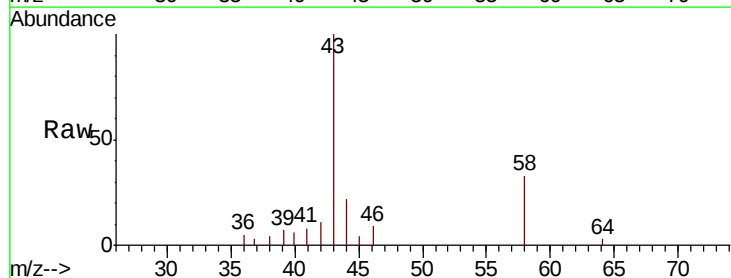
RT: 2.67 min Scan# 415

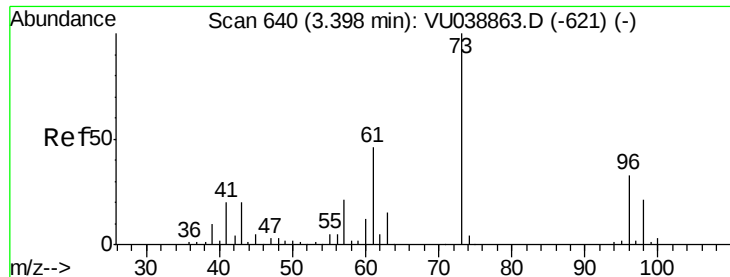
Delta R.T. -0.00 min

Lab File: VU038870.D

Acq: 13 Jun 2020 00:09

Tgt Ion: 43 Resp: 9935
Ion Ratio Lower Upper
43 100
58 22.7 0.0 66.0

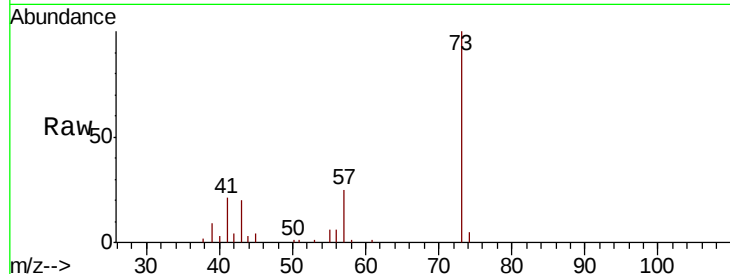




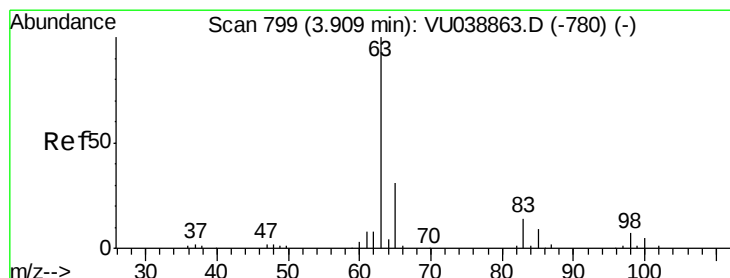
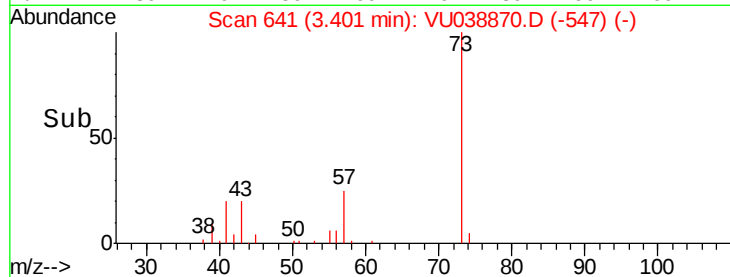
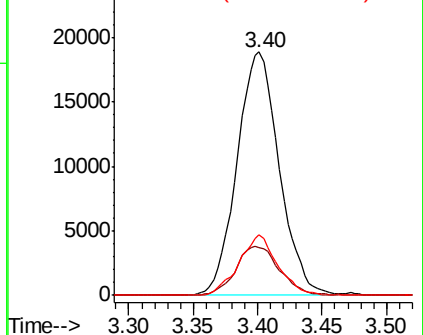
#17
Methvl tert-butvl Ether
Concen: 0.913 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038870.D
Acq: 13 Jun 2020 00:09

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 42977
Ion Ratio Lower Upper
73 100
43 20.9 15.9 23.9
57 22.6 17.5 26.3

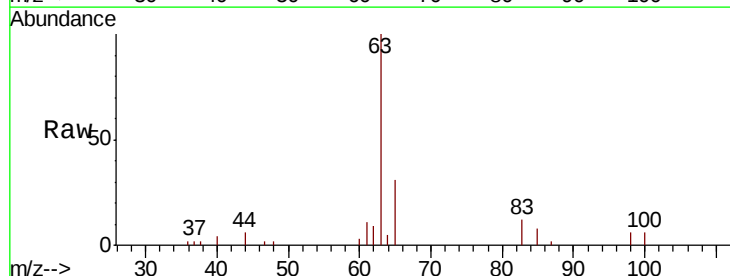


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

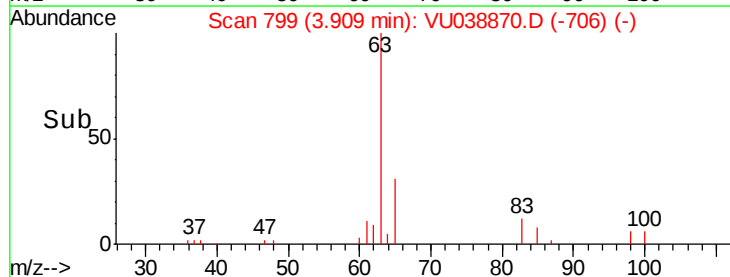
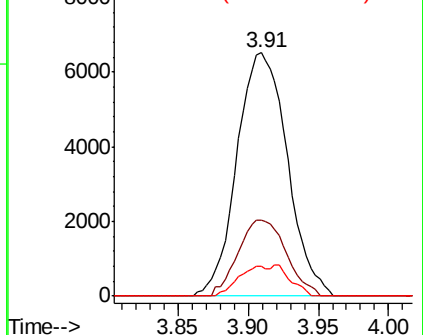


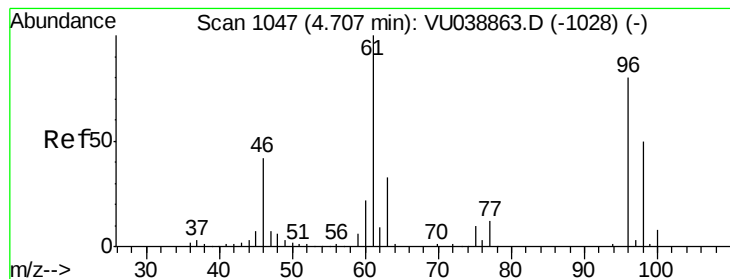
#19
1,1-Dichloroethane
Concen: 0.462 ug/L
RT: 3.91 min Scan# 799
Delta R.T. 0.00 min
Lab File: VU038870.D
Acq: 13 Jun 2020 00:09

Tgt 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): 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: 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

Instrument :

MSVOA_U

ClientSampled :

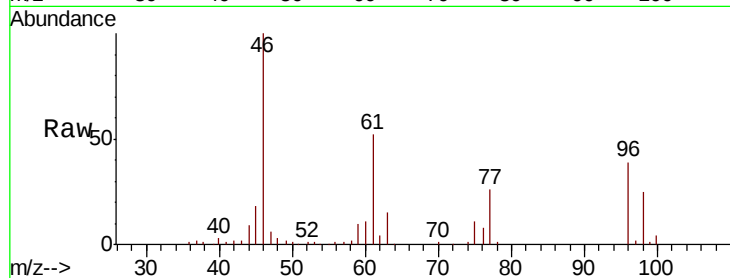
Tot Ion: 96 Resp: 26421

Ion Ratio Lower Upper

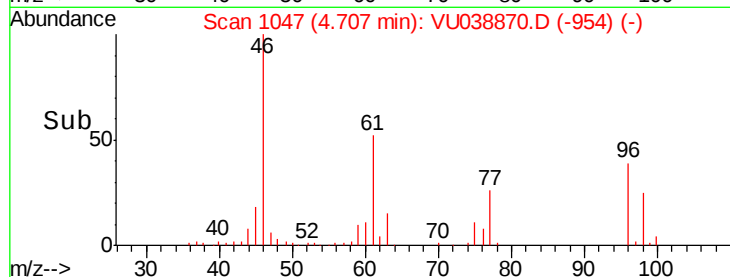
96 100

61 134.5 89.7 166.7

68 0.0 0.0 0.0



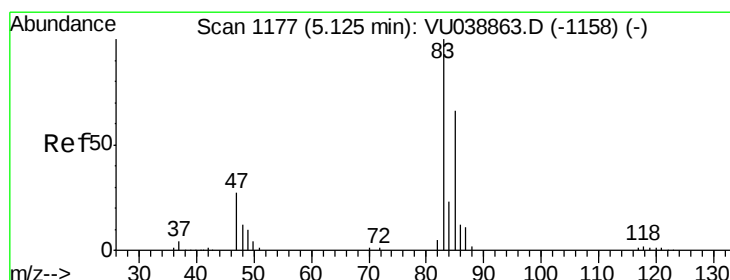
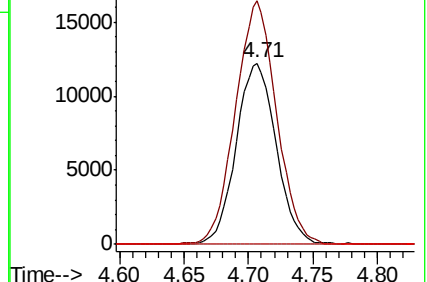
Abundance Ion 96.00 (95.70 to 96.70): VU038870.D (-954) (-)



Ion 61.05 (60.75 to 61.75): VU038870.D (-6105) (-)

Ion 68.15 (67.85 to 68.85): VU038870.D (-6815) (-)

Time-->



#25

Chloroform

Concen: 0.400 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VU038870.D

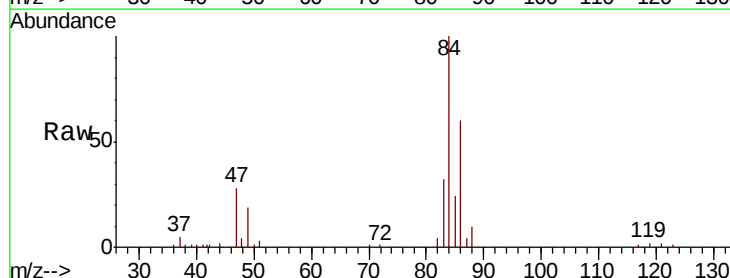
Acq: 13 Jun 2020 00:09

Tgt Ion: 83 Resp: 14554

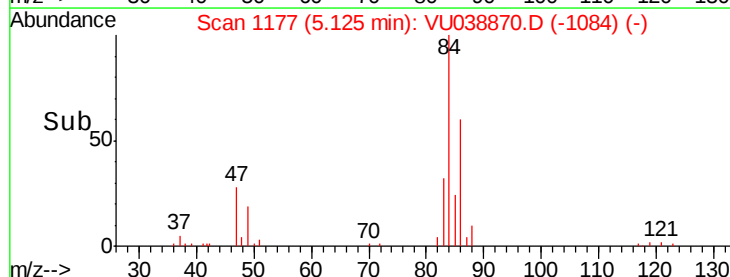
Ion Ratio Lower Upper

83 100

85 74.7 44.1 81.9

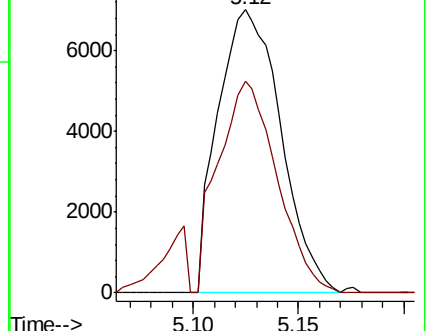


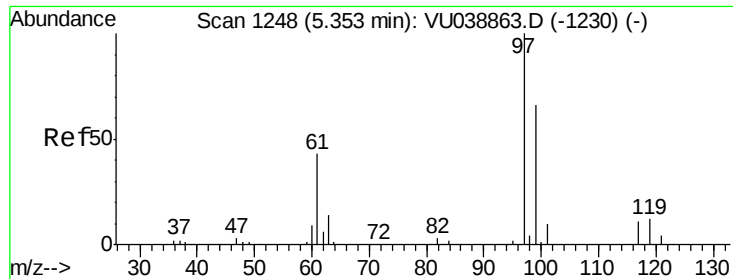
Abundance Ion 83.05 (82.75 to 83.75): VU038870.D (-8305) (-)



Ion 85.00 (84.70 to 85.70): VU038870.D (-8500) (-)

Time-->

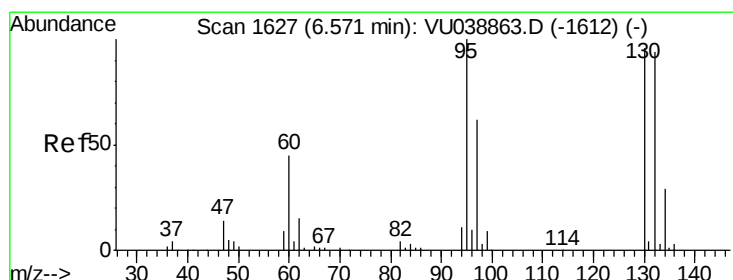
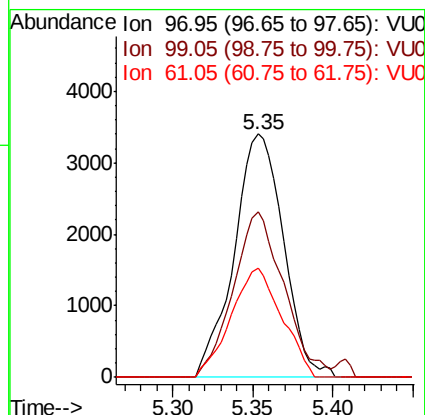
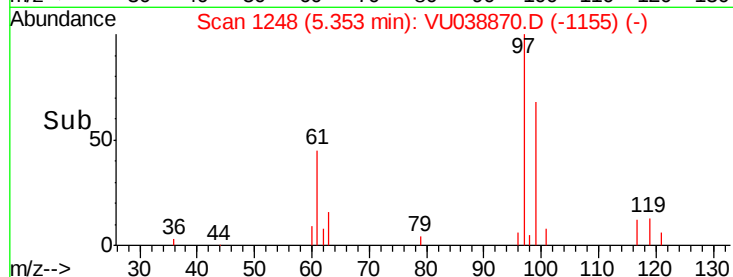
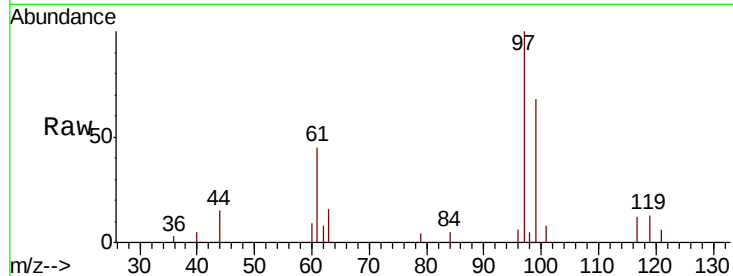




#29
1,1,1-Trichloroethane
Concen: 0.220 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038870.D
Acq: 13 Jun 2020 00:09

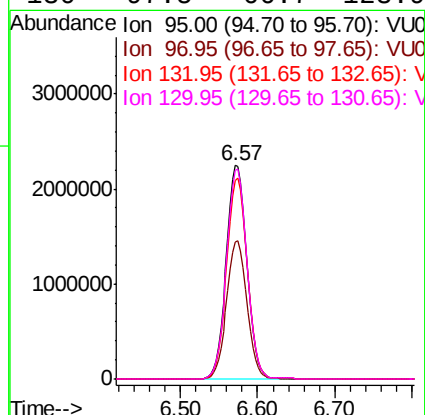
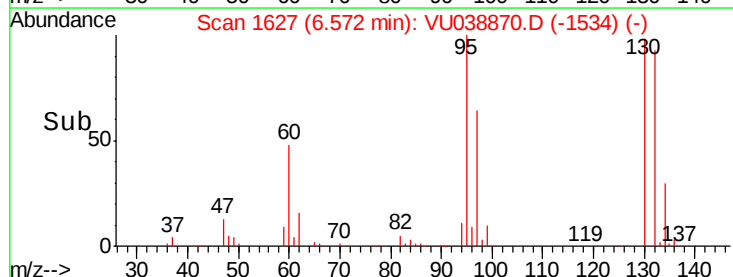
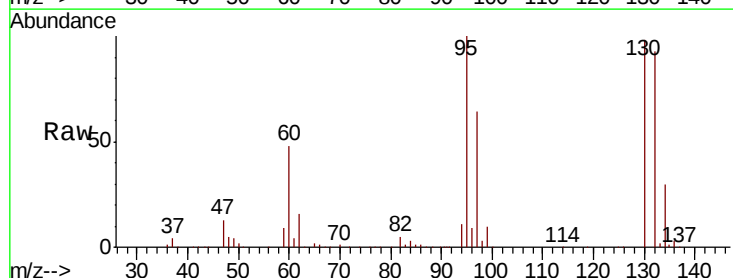
Instrument :
MSVOA_U
ClientSampleId :

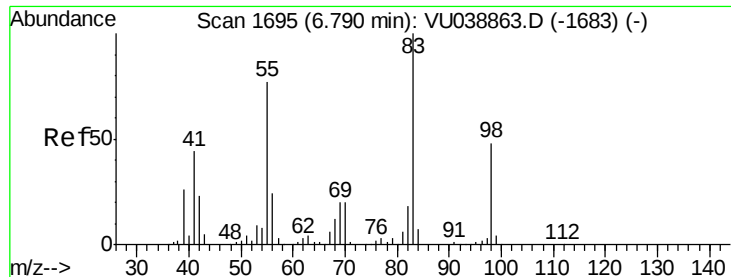
Tot Ion: 97 Resp: 7174
Ion Ratio Lower Upper
97 100
99 69.7 52.1 78.1
61 45.9 35.9 53.9



#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

Tgt 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





#35

Methylcyclohexane

Concen: 0.770 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038870.D

Acq: 13 Jun 2020 00:09

Instrument :

MSVOA_U

ClientSampleId :

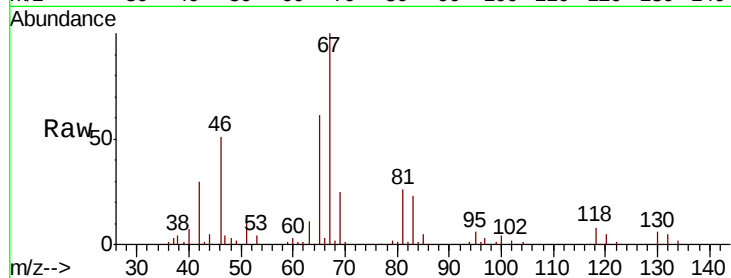
Tot Ion: 83 Resp: 24933

Ion Ratio Lower Upper

83 100

55 0.2 64.2 96.2#

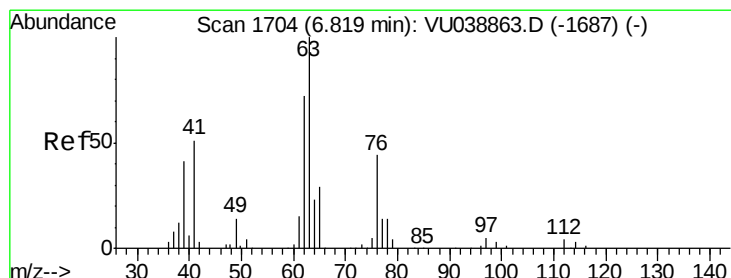
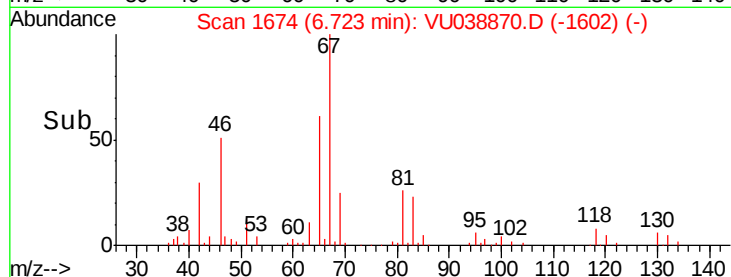
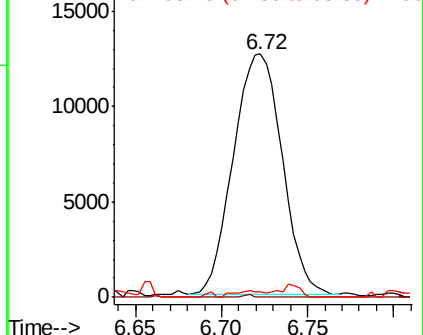
98 0.0 40.5 60.7#



Abundance Ion 83.15 (82.85 to 83.85): VU038870.D (-1674) (-)

Ion 55.10 (54.80 to 55.80): VU038870.D (-1674) (-)

Ion 98.15 (97.85 to 98.85): VU038870.D (-1674) (-)



#37

1,2-Dichloropropane

Concen: 0.600 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038870.D

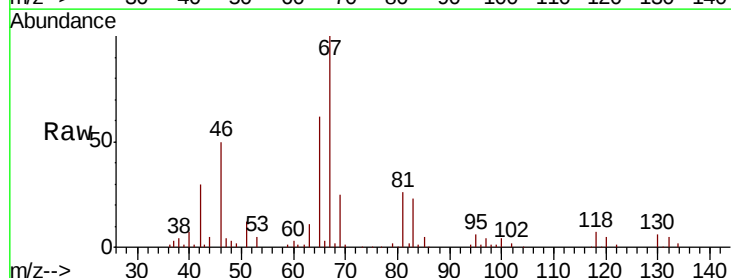
Acq: 13 Jun 2020 00:09

Tgt Ion: 63 Resp: 12046

Ion Ratio Lower Upper

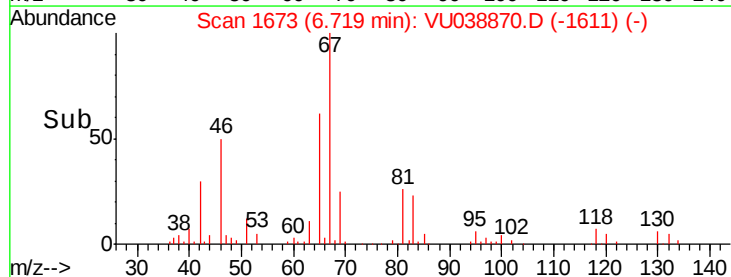
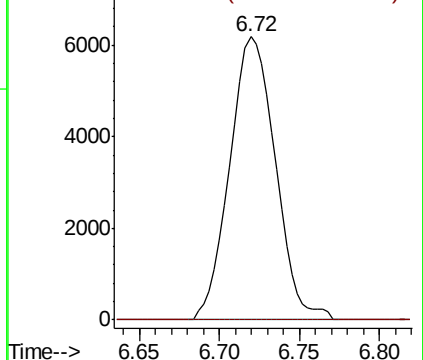
63 100

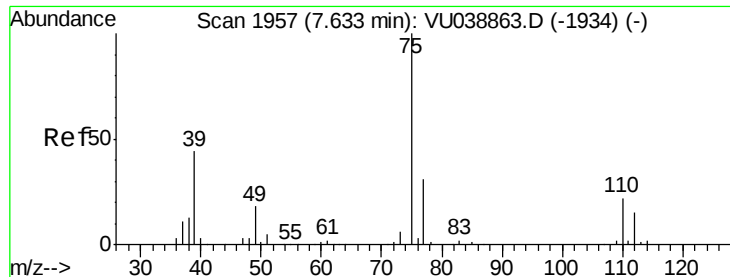
112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU038870.D (-1673) (-)

Ion 112.10 (111.80 to 112.80): VU038870.D (-1673) (-)

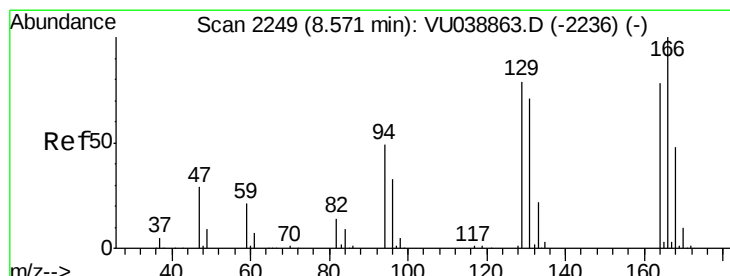
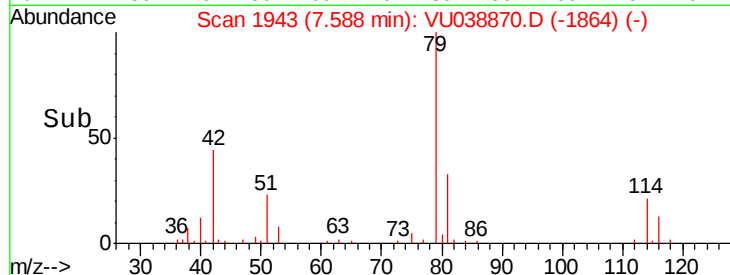
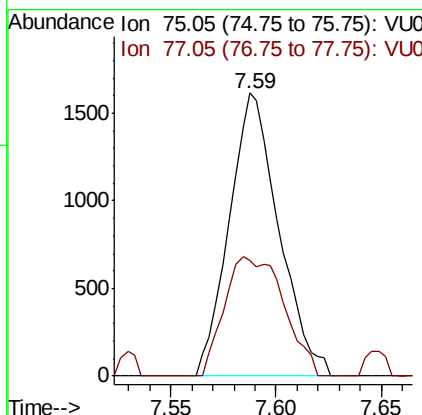
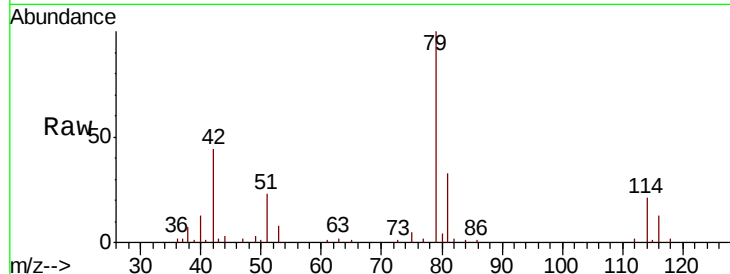




#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.04 min
 Lab File: VU038870.D
 Acq: 13 Jun 2020 00:09

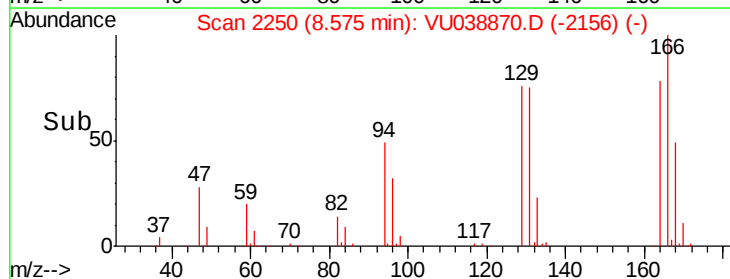
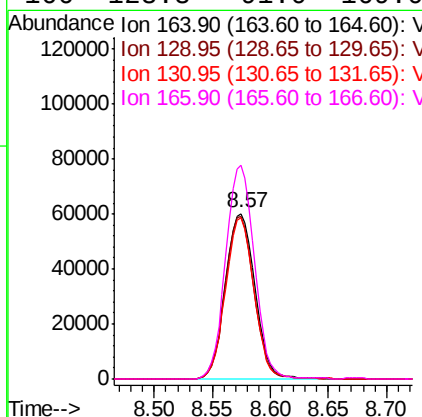
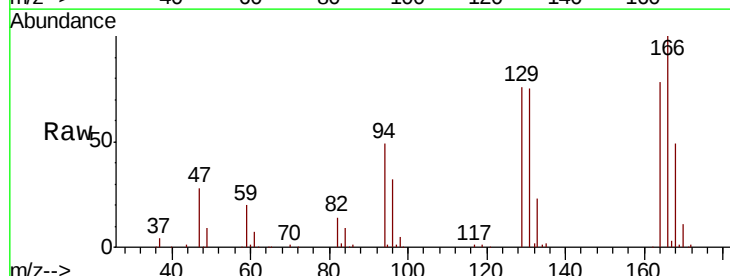
Instrument :
 MSVOA_U
 ClientSampleId :

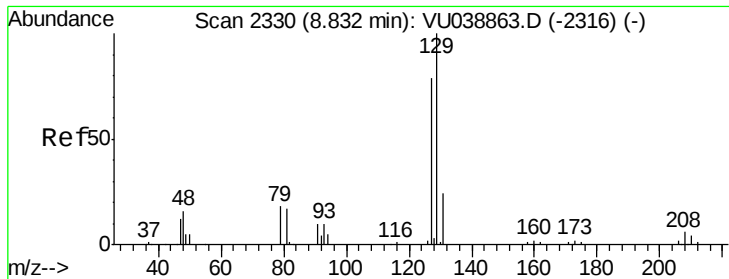
Tot Ion: 75 Resp: 2637
 Ion Ratio Lower Upper
 75 100
 77 40.7 22.4 41.6



#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





#49

Dibromochloromethane

Concen: 5.966 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038870.D

Acq: 13 Jun 2020 00:09

Instrument :

MSVOA_U

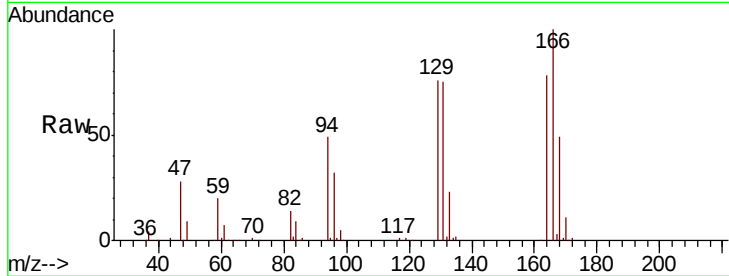
ClientSampleId :

Tot Ion:129 Resp: 101981

Ion Ratio Lower Upper

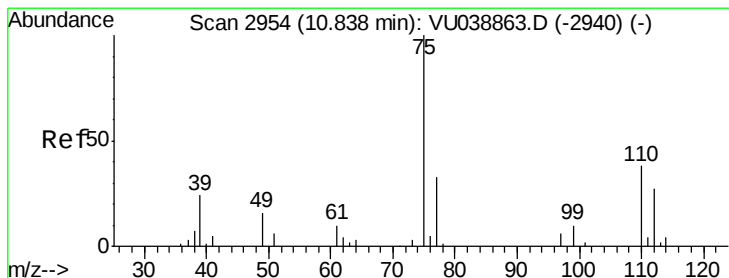
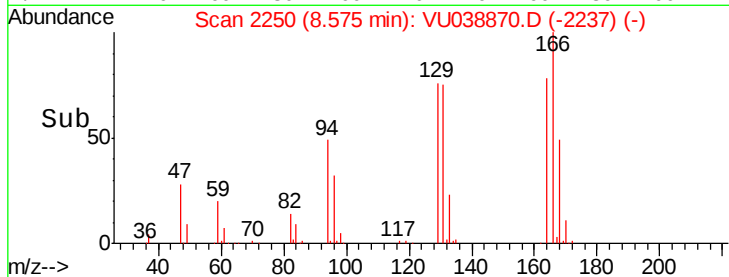
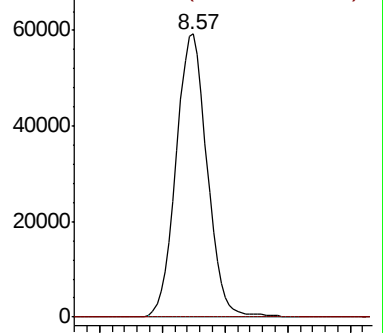
129 100

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: 0.219 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU038870.D

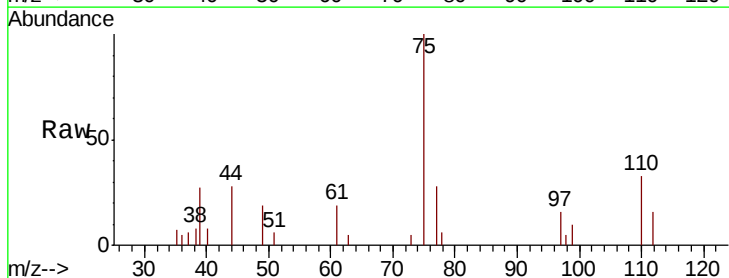
Acq: 13 Jun 2020 00:09

Tgt Ion: 75 Resp: 3268

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

