

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038869.D
 Acq On : 12 Jun 2020 23:45
 Operator : SY/MD
 Sample : L2975-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF8Q4

Quant Time: Jun 13 03:28:06 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	251478	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	252200	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	115950	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63704	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.93	69	61708	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.00%
11) 1,1-Dichloroethene-d2	2.59	63	110353	3.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.80%
20) 2-Butanone-d5	4.68	46	311428	72.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	144.80%#
24) Chloroform-d	5.10	84	172886	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
26) 1,2-Dichloroethane-d4	5.74	65	106409	6.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	124.00%
32) Benzene-d6	5.76	84	326024	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
36) 1,2-Dichloropropane-d6	6.72	67	104801	5.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.00%
41) Toluene-d8	7.92	98	262688	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	8.20	79	37046	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.65	63	258700	74.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	148.72%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	100230	6.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	130.00%#
64) 1,2-Dichlorobenzene-d4	12.20	152	113419	6.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.20%#

Target Compounds

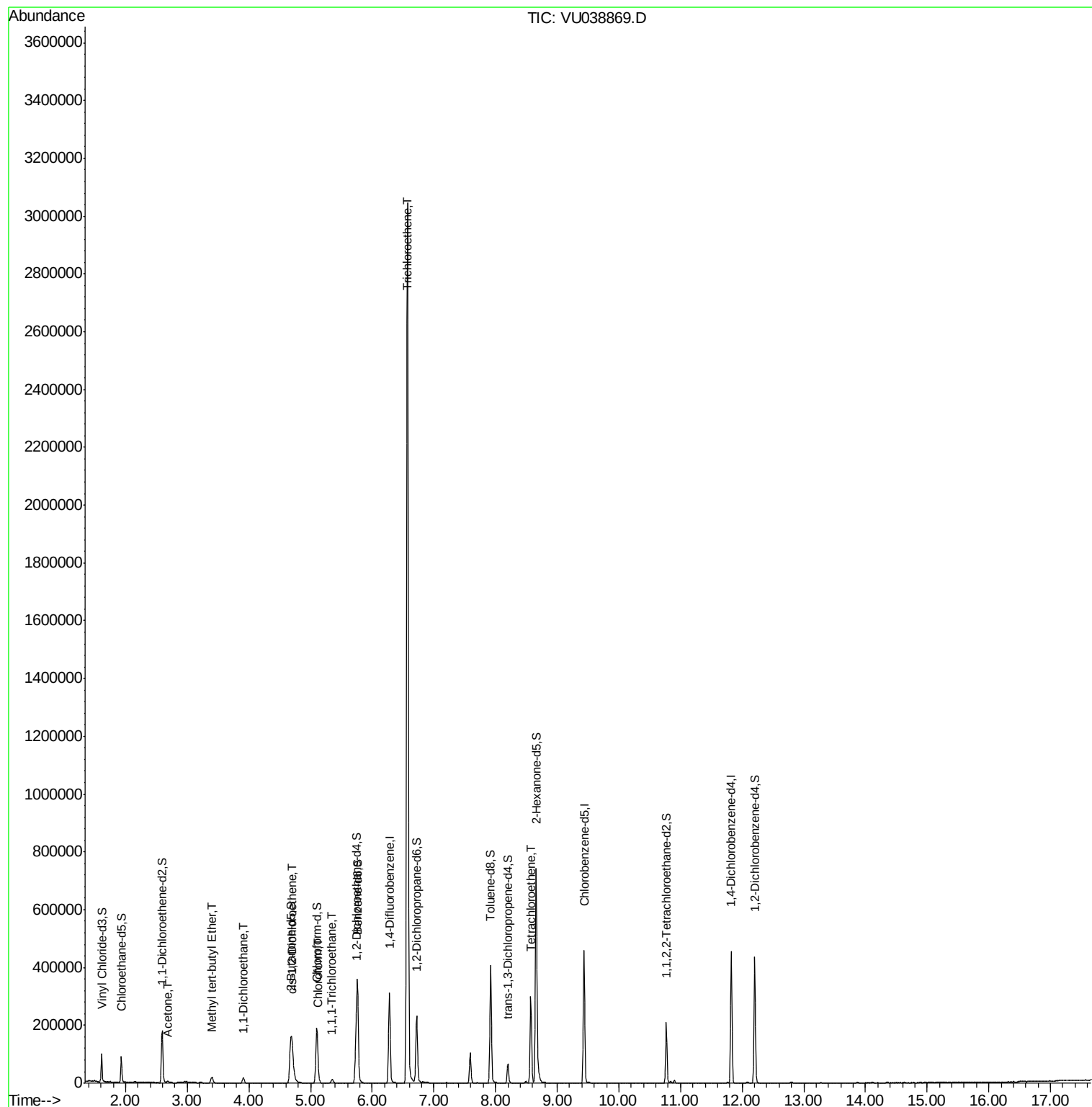
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.68	43	8957	2.567	ug/L	86
17) Methyl tert-butyl Ether	3.40	73	22464	0.495	ug/L	97
19) 1,1-Dichloroethane	3.91	63	19856	0.583	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	18803	0.955	ug/L	92
25) Chloroform	5.13	83	15455	0.440	ug/L	94
29) 1,1,1-Trichloroethane	5.36	97	9740	0.313	ug/L	98
34) Trichloroethene	6.57	95	1031813	51.849	ug/L	98
47) Tetrachloroethene	8.57	164	68001	4.439	ug/L	94

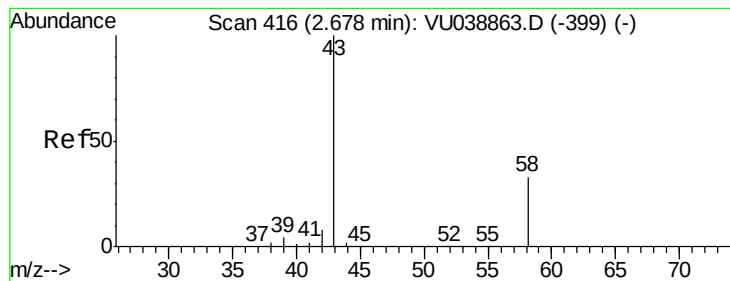
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.567 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU038869.D

Acq: 12 Jun 2020 23:45

Instrument :

MSVOA_U

ClientSampleId :

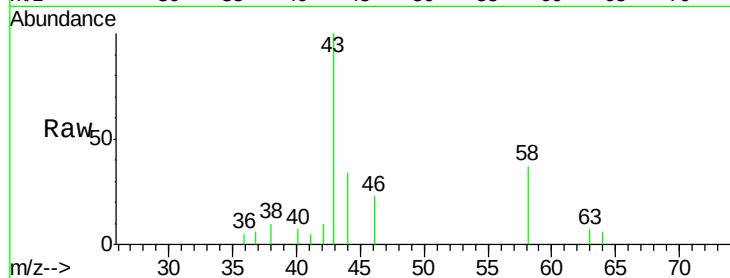
BF8Q4

Tot Ion: 43 Resp: 8957

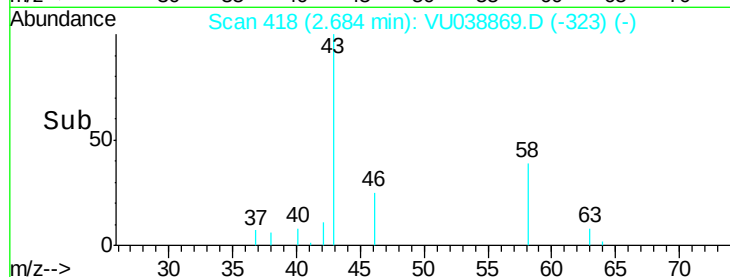
Ion Ratio Lower Upper

43 100

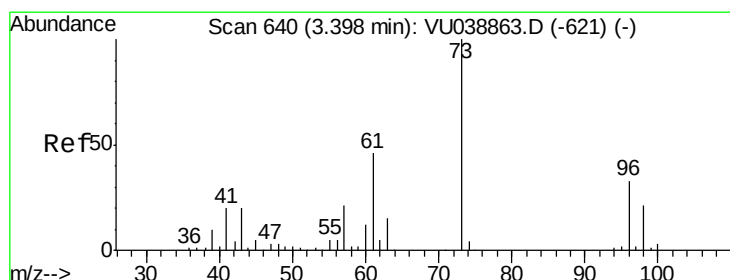
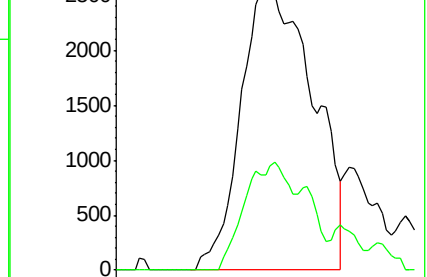
58 25.0 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038869.D (-323) (-)



Ion 58.05 (57.75 to 58.75): VU038869.D (-323) (-)



#17

Methyl tert-butyl Ether

Concen: 0.495 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038869.D

Acq: 12 Jun 2020 23:45

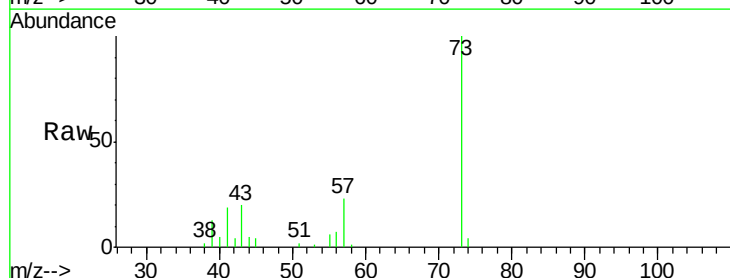
Tgt Ion: 73 Resp: 22464

Ion Ratio Lower Upper

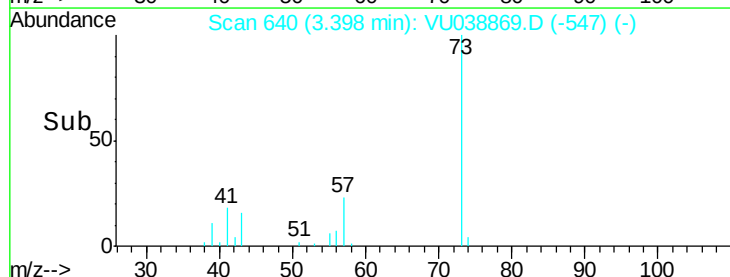
73 100

43 21.1 15.9 23.9

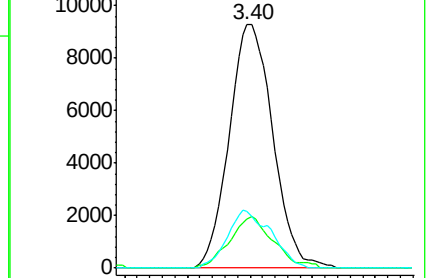
57 23.6 17.5 26.3

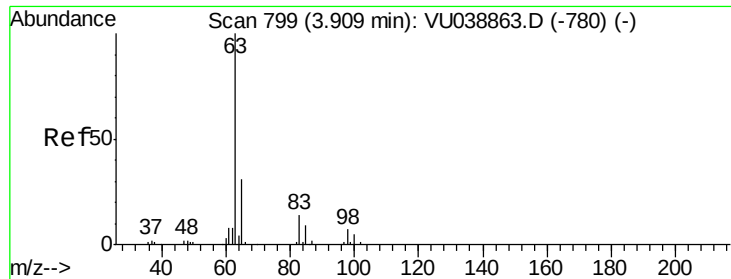


Abundance Ion 73.10 (72.80 to 73.80): VU038869.D (-547) (-)



Ion 43.05 (42.75 to 43.75): VU038869.D (-547) (-)





#19

1,1-Dichloroethane

Concen: 0.583 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038869.D

Acq: 12 Jun 2020 23:45

Instrument :

MSVOA_U

ClientSampleId :

BF8Q4

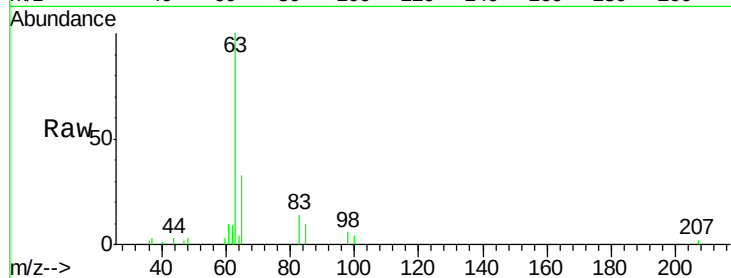
Tot Ion: 63 Resp: 19856

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.5

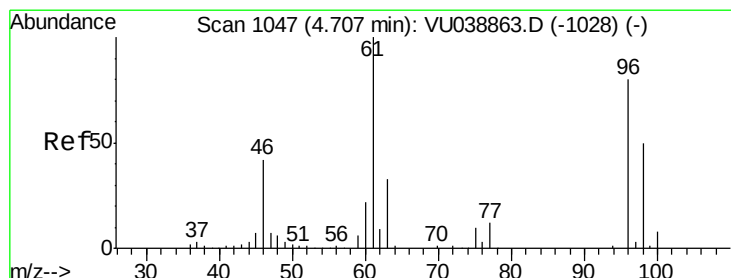
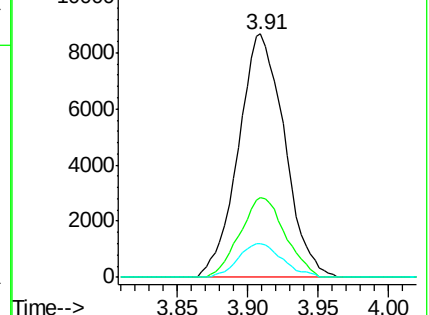
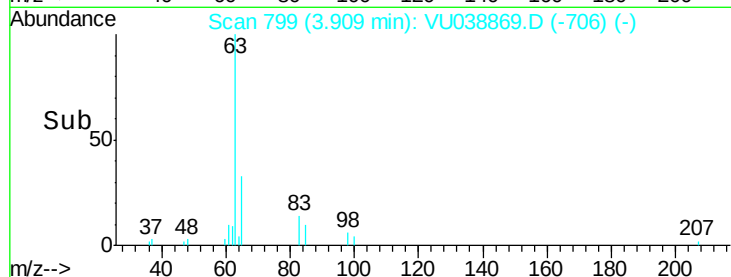
83 14.1 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU038869.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038869.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038869.D (-706) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.955 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038869.D

Acq: 12 Jun 2020 23:45

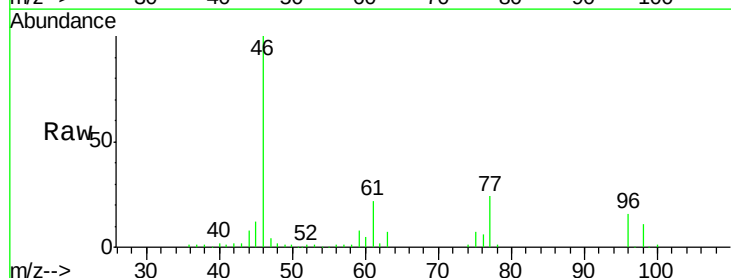
Tgt Ion: 96 Resp: 18803

Ion Ratio Lower Upper

96 100

61 137.6 89.7 166.7

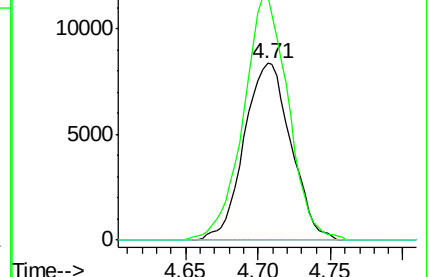
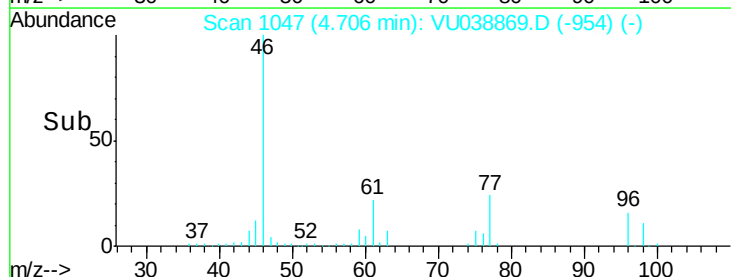
68 0.0 0.0 0.0

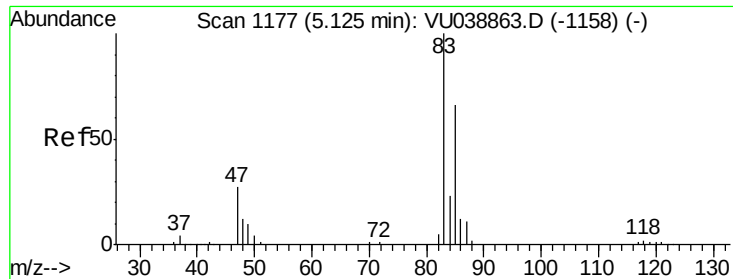


Abundance Ion 96.00 (95.70 to 96.70): VU038869.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038869.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038869.D (-954) (-)

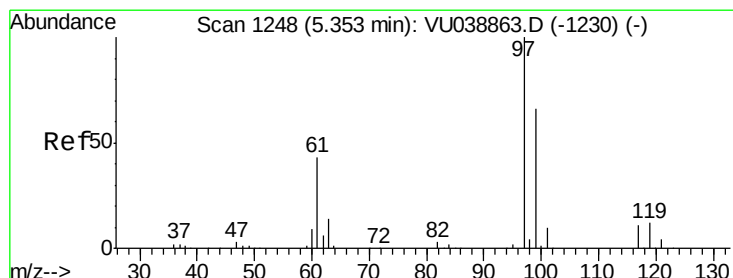
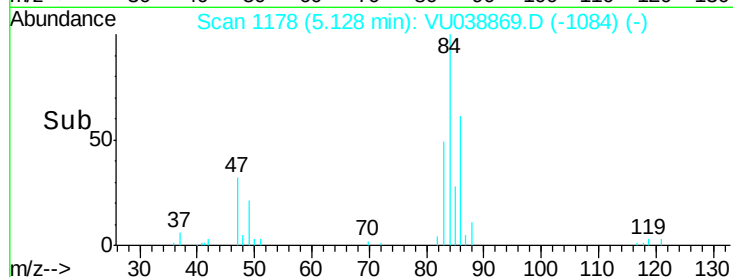
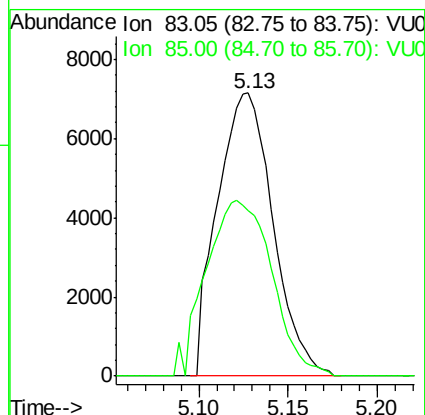
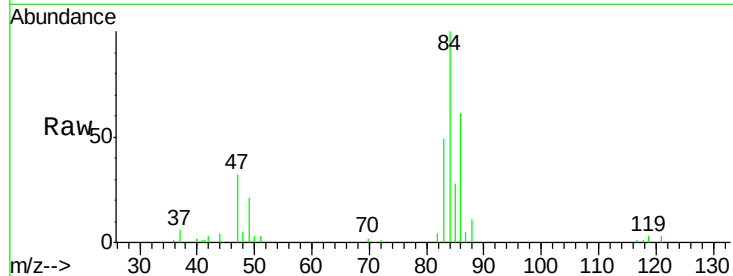




#25
Chloroform
Concen: 0.440 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038869.D
Acq: 12 Jun 2020 23:45

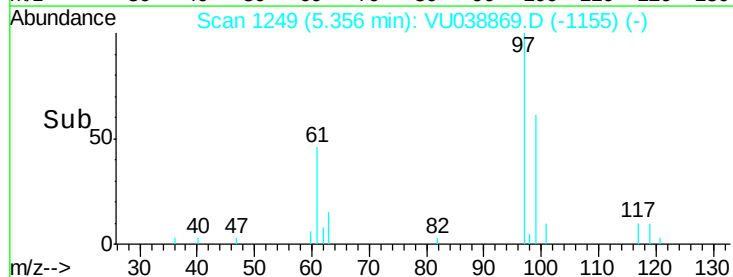
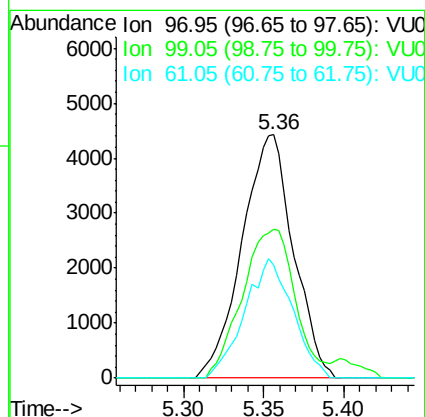
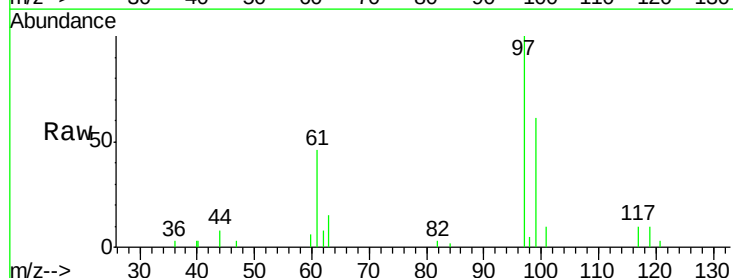
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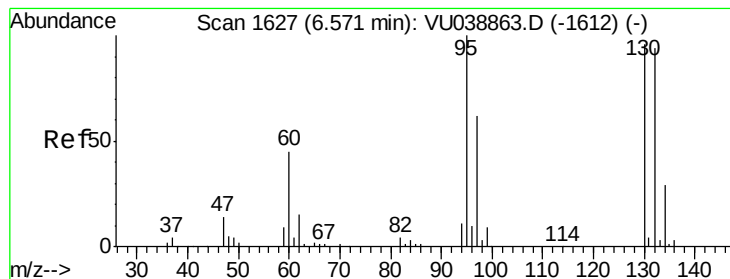
Tot Ion: 83 Resp: 15455
Ion Ratio Lower Upper
83 100
85 58.5 44.1 81.9



#29
1,1,1-Trichloroethane
Concen: 0.313 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU038869.D
Acq: 12 Jun 2020 23:45

Tgt Ion: 97 Resp: 9740
Ion Ratio Lower Upper
97 100
99 63.3 52.1 78.1
61 46.0 35.9 53.9





#34

Trichloroethene

Concen: 51.849 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038869.D

Acq: 12 Jun 2020 23:45

Instrument :

MSVOA_U

ClientSampleId :

BF8Q4

Tot Ion: 95 Resp: 1031813

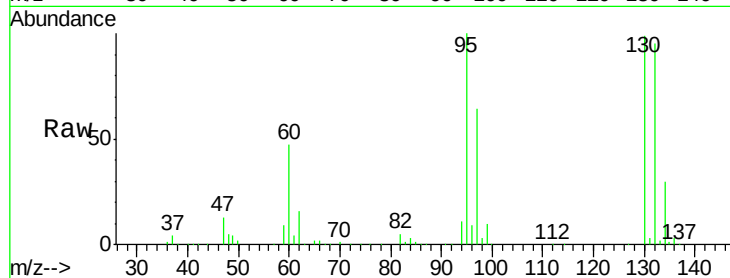
Ion Ratio Lower Upper

95 100

97 64.2 46.1 85.5

132 95.0 67.5 125.3

130 98.5 66.7 123.9

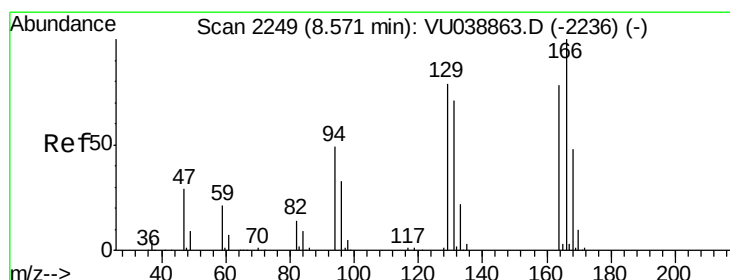
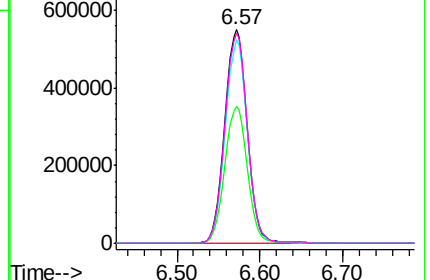
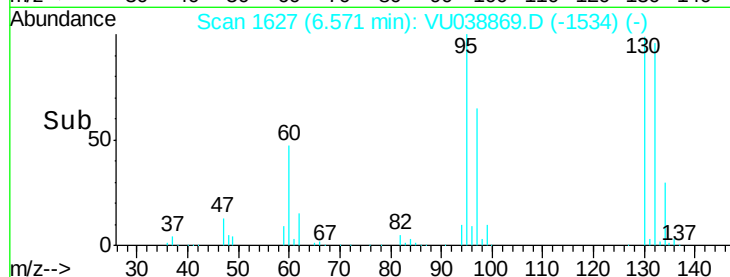


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 4.439 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038869.D

Acq: 12 Jun 2020 23:45

Tgt Ion: 164 Resp: 68001

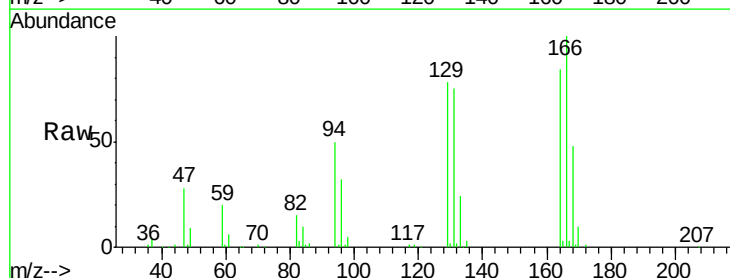
Ion Ratio Lower Upper

164 100

129 92.8 67.3 124.9

131 89.5 65.0 120.6

166 119.3 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

