

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038868.D
 Acq On : 12 Jun 2020 23:22
 Operator : SY/MD
 Sample : L2975-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 02:56:38 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	262317	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	265059	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	119951	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	62816	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.93	69	61880	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.80%
11) 1,1-Dichloroethene-d2	2.59	63	112280	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.68	46	312921	69.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	139.48%#
24) Chloroform-d	5.10	84	173928	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
26) 1,2-Dichloroethane-d4	5.74	65	105886	5.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.40%
32) Benzene-d6	5.76	84	319576	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.72	67	103941	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	7.92	98	261326	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.20	79	37628	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.66	63	264077	72.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	144.46%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	97639	6.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.40%#
64) 1,2-Dichlorobenzene-d4	12.20	152	116088	5.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	9412	0.512	ug/L #	1
13) Acetone	2.68	43	8836	2.427	ug/L	91
17) Methyl tert-butyl Ether	3.39	73	8309	0.176	ug/L #	87
19) 1,1-Dichloroethane	3.91	63	47338	1.333	ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	17400	0.847	ug/L	96
25) Chloroform	5.13	83	21215	0.580	ug/L	97
29) 1,1,1-Trichloroethane	5.35	97	22277	0.681	ug/L	97
34) Trichloroethene	6.57	95	1203105	57.523	ug/L	98
35) Methylcyclohexane	6.72	83	26467	0.814	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	12464	0.618	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	2584	0.086	ug/L #	69
47) Tetrachloroethene	8.57	164	27643	1.717	ug/L	97
48) 2-Hexanone	8.70	43	10521	1.014	ug/L #	90
49) Dibromochloromethane	8.57	129	26576	1.547	ug/L #	10
59) 1,2,3-Trichloropropane	10.83	75	3071	0.205	ug/L	100

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ClientSampleId :

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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

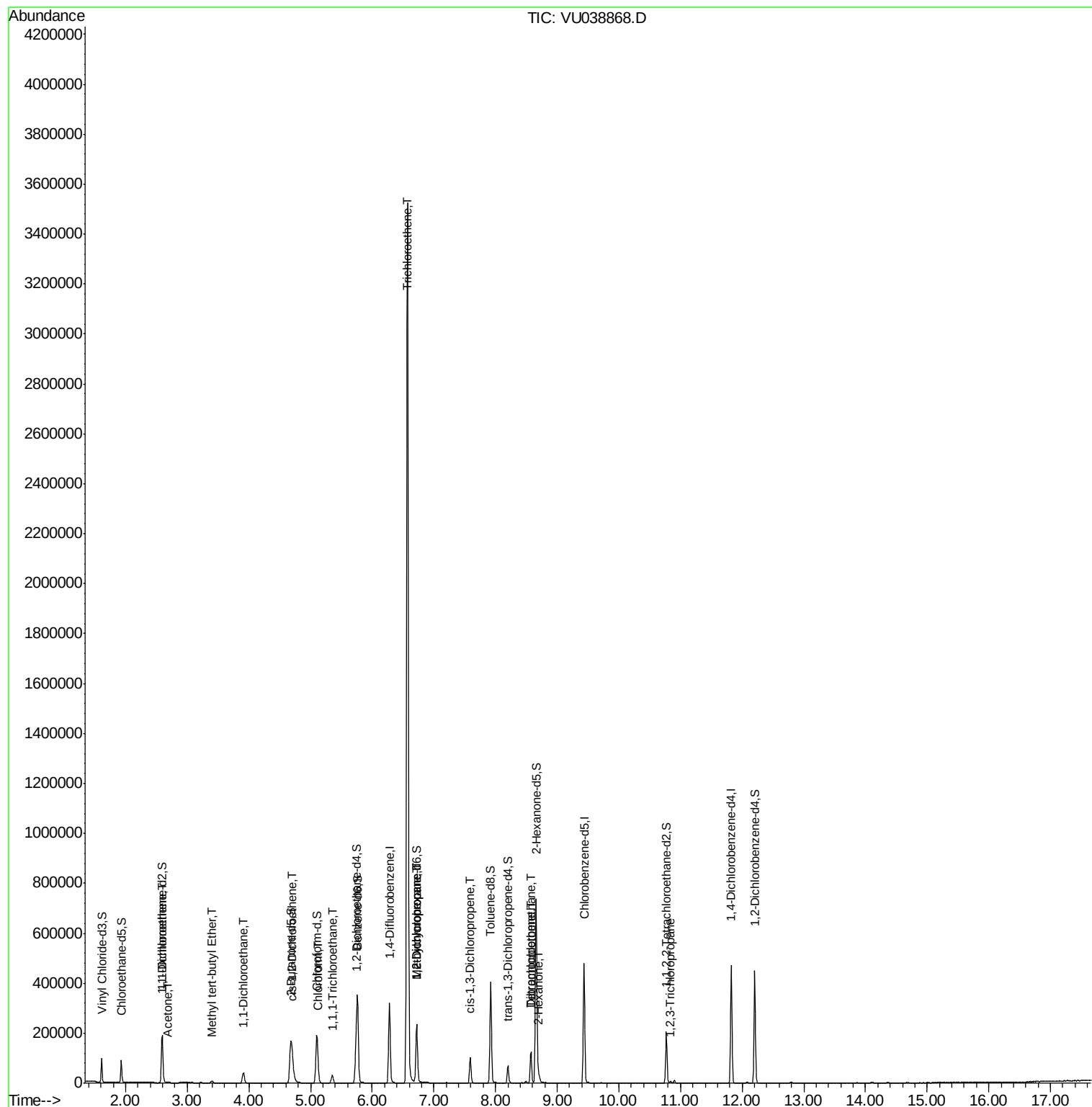
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

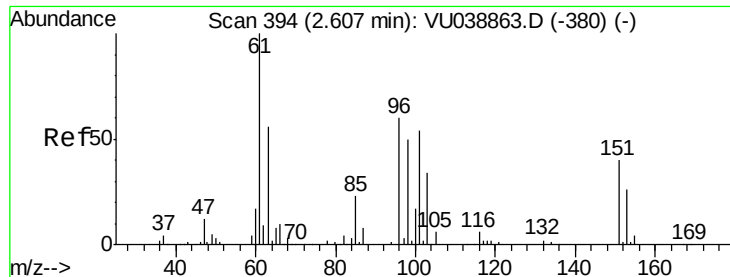
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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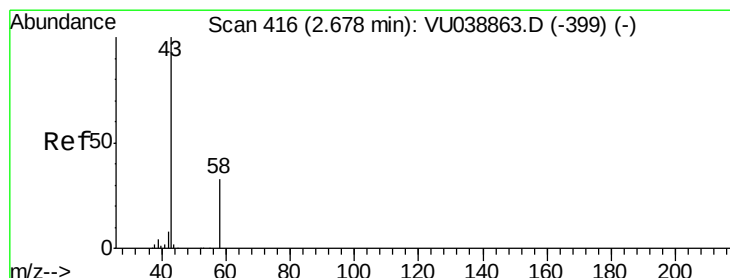
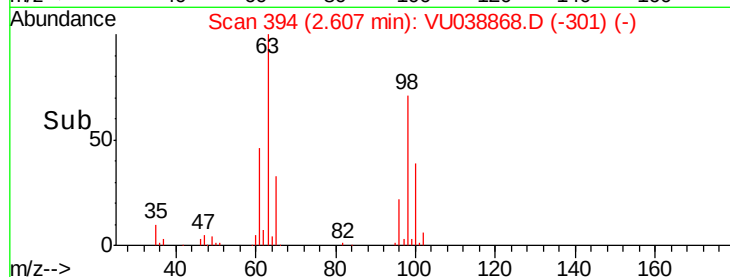
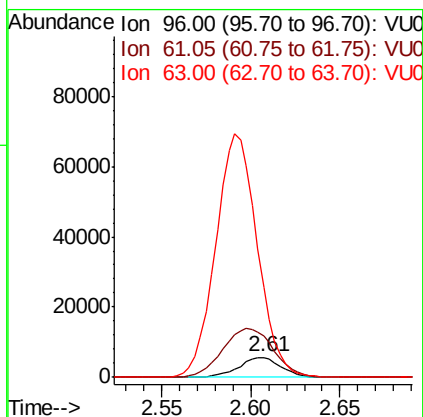
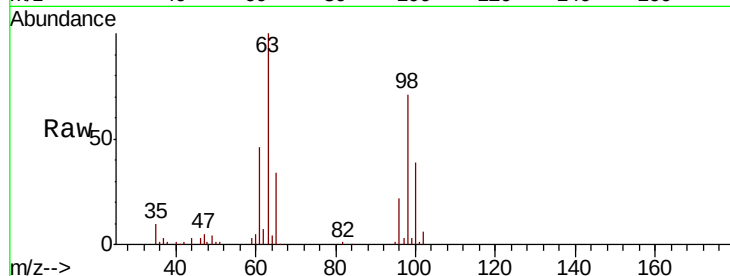




#12
 1,1-Dichloroethene
 Concen: 0.512 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU038868.D
 Acq: 12 Jun 2020 23:22

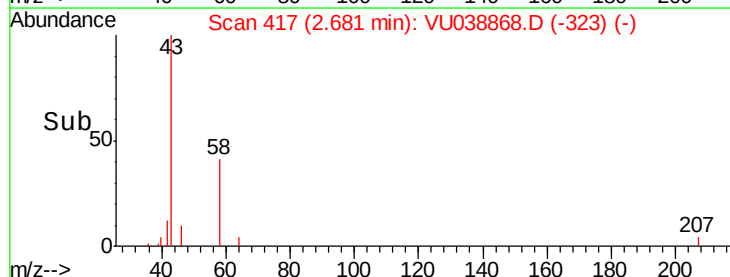
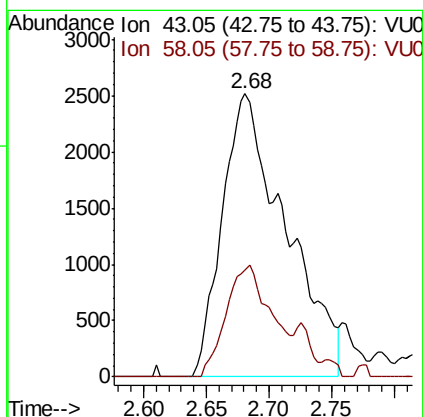
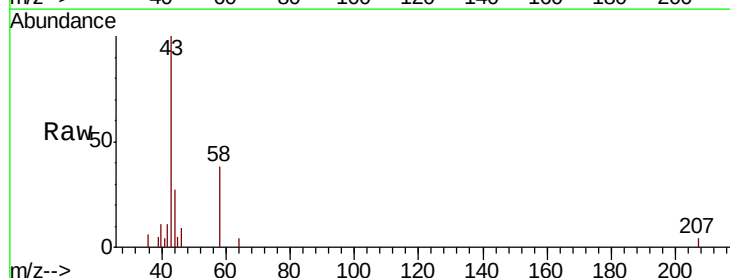
Instrument :
 MSVOA_U
 ClientSampleId :

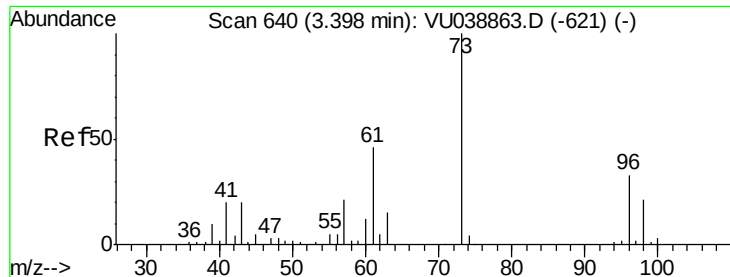
Tot Ion: 96 Resp: 9412
 Ion Ratio Lower Upper
 96 100
 61 206.1 120.2 223.2
 63 447.3 90.1 167.3#



#13
 Acetone
 Concen: 2.427 ug/L
 RT: 2.68 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VU038868.D
 Acq: 12 Jun 2020 23:22

Tgt Ion: 43 Resp: 8836
 Ion Ratio Lower Upper
 43 100
 58 27.9 0.0 66.0

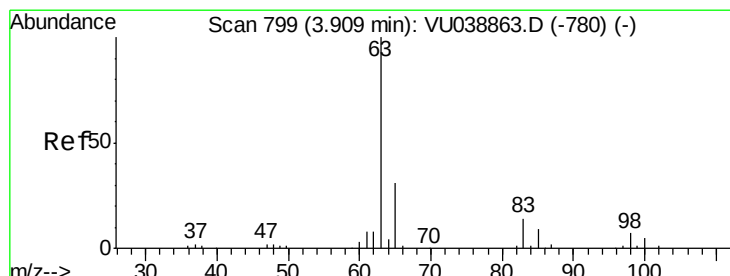
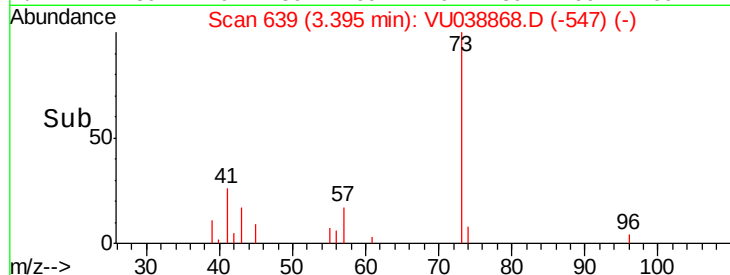
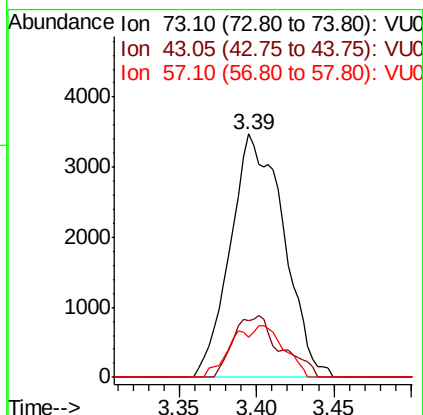
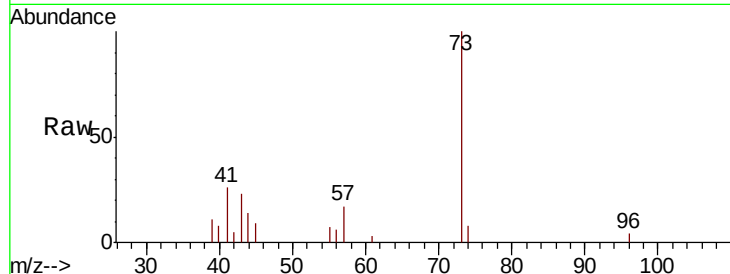




#17
Methyl tert-butyl Ether
Concen: 0.176 ug/L
RT: 3.39 min Scan# 639
Delta R.T. -0.00 min
Lab File: VU038868.D
Acq: 12 Jun 2020 23:22

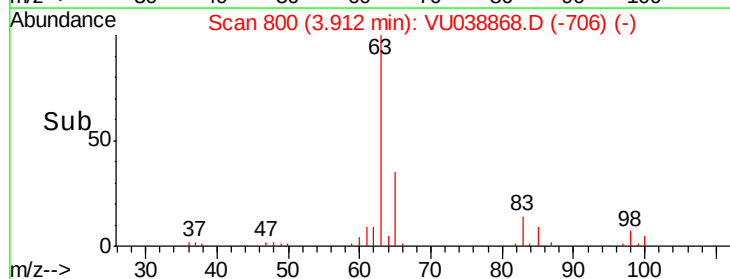
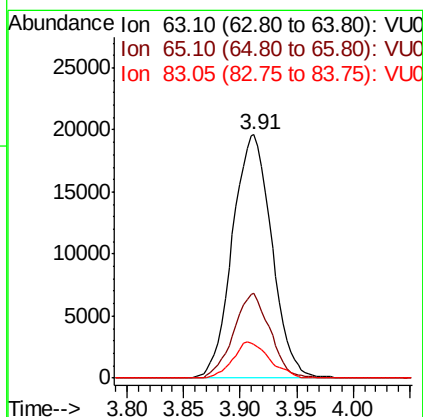
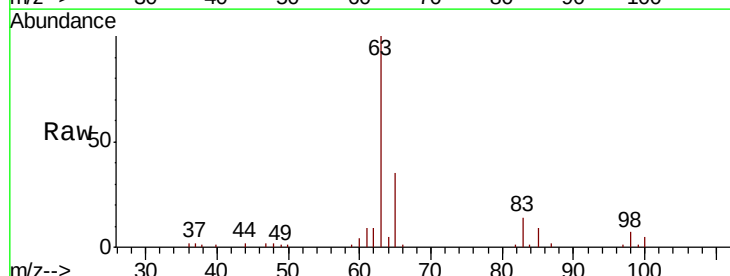
Instrument :
MSVOA_U
ClientSampleId :

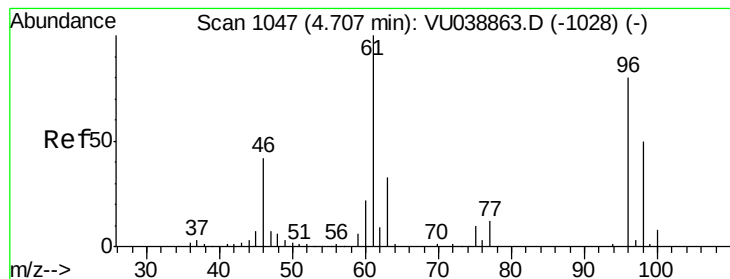
Tot Ion: 73 Resp: 8309
Ion Ratio Lower Upper
73 100
43 22.4 15.9 23.9
57 12.4 17.5 26.3#



#19
1,1-Dichloroethane
Concen: 1.333 ug/L
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU038868.D
Acq: 12 Jun 2020 23:22

Tgt Ion: 63 Resp: 47338
Ion Ratio Lower Upper
63 100
65 35.0 22.3 41.5
83 14.0 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 0.847 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038868.D

Acq: 12 Jun 2020 23:22

Instrument :

MSVOA_U

ClientSampleId :

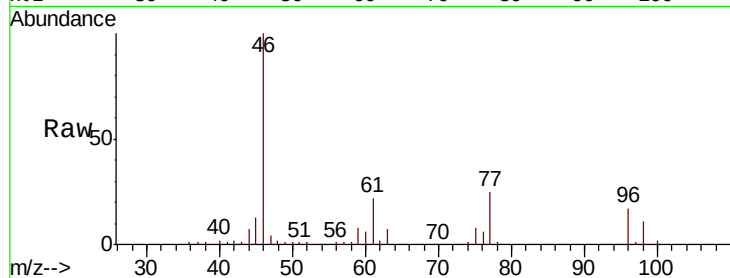
Tot Ion: 96 Resp: 17400

Ion Ratio Lower Upper

96 100

61 132.5 89.7 166.7

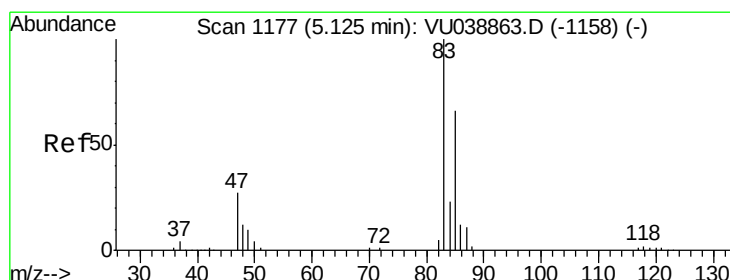
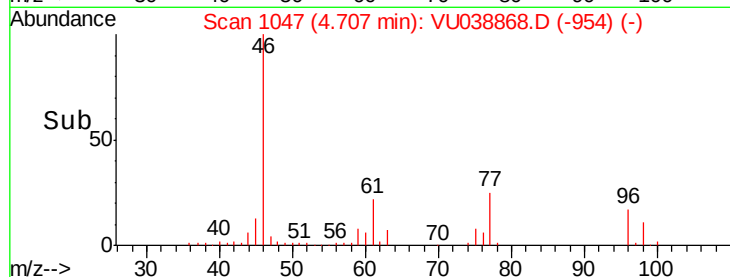
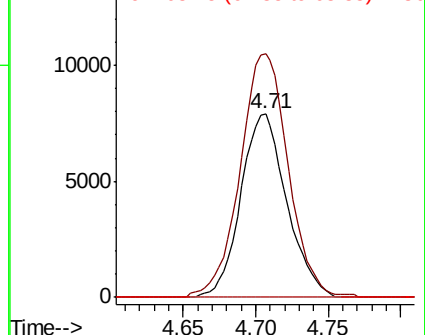
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038868.D (-1028) (-)

Ion 61.05 (60.75 to 61.75): VU038868.D (-1028) (-)

Ion 68.15 (67.85 to 68.85): VU038868.D (-1028) (-)



#25

Chloroform

Concen: 0.580 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU038868.D

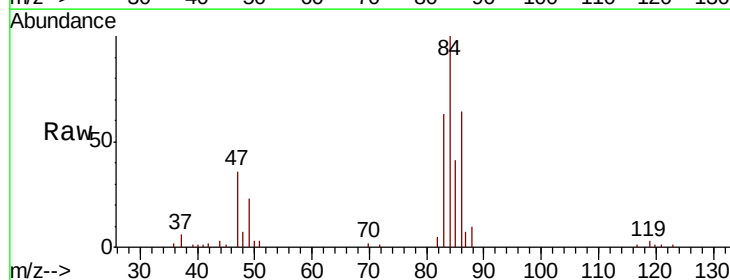
Acq: 12 Jun 2020 23:22

Tgt Ion: 83 Resp: 21215

Ion Ratio Lower Upper

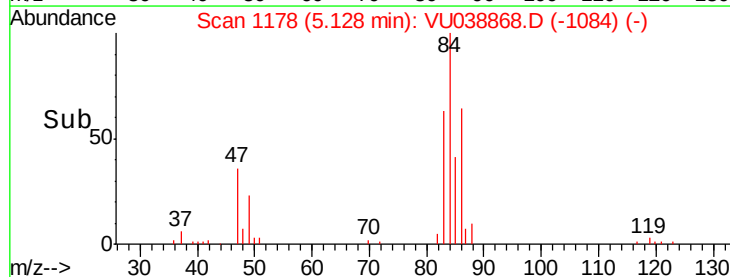
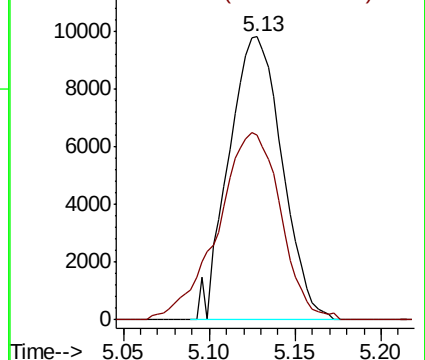
83 100

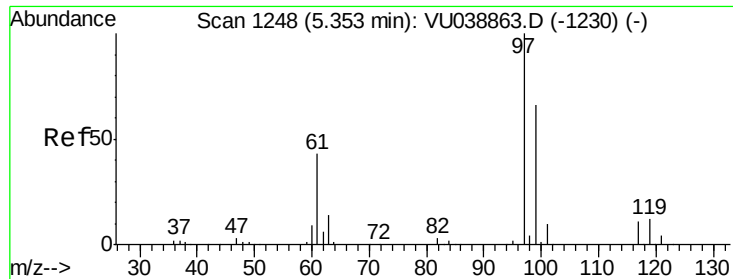
85 65.3 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VU038868.D (-1084) (-)

Ion 85.00 (84.70 to 85.70): VU038868.D (-1084) (-)

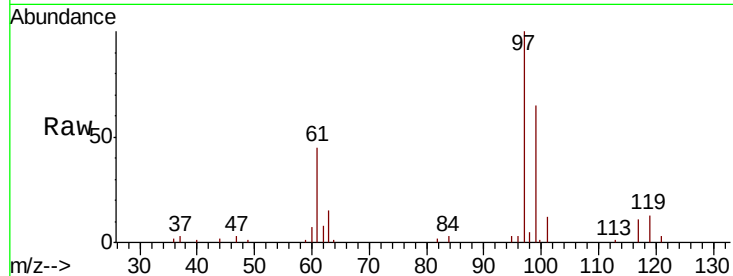




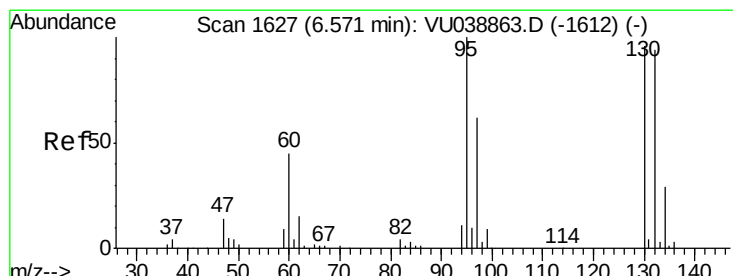
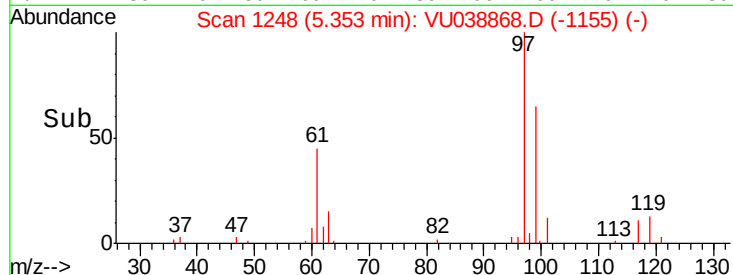
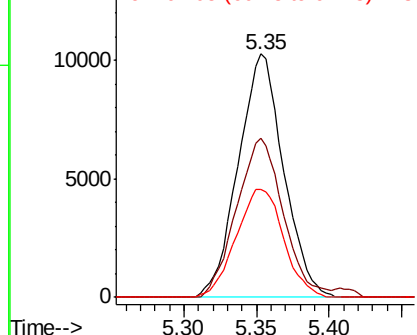
#29
1,1,1-Trichloroethane
Concen: 0.681 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038868.D
Acq: 12 Jun 2020 23:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 97 Resp: 22277
Ion Ratio Lower Upper
97 100
99 67.4 52.1 78.1
61 46.7 35.9 53.9

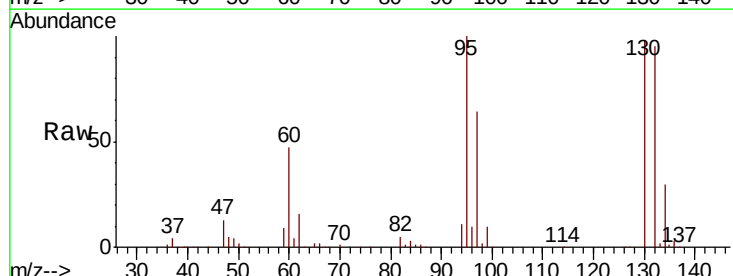


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

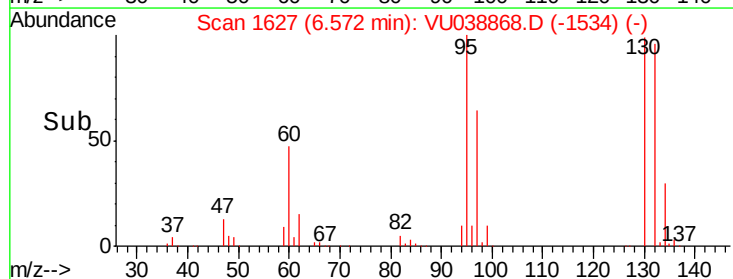
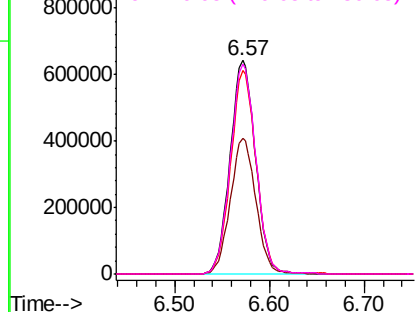


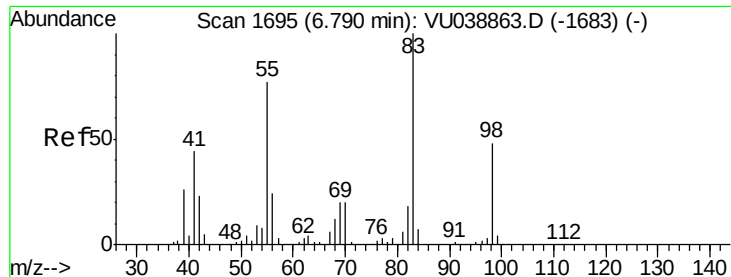
#34
Trichloroethene
Concen: 57.523 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU038868.D
Acq: 12 Jun 2020 23:22

Tgt Ion: 95 Resp: 1203105
Ion Ratio Lower Upper
95 100
97 63.6 46.1 85.5
132 95.3 67.5 125.3
130 98.3 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

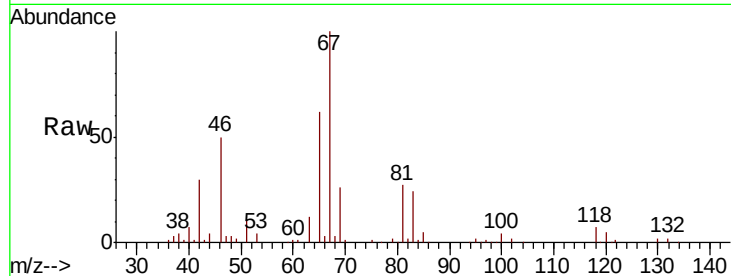




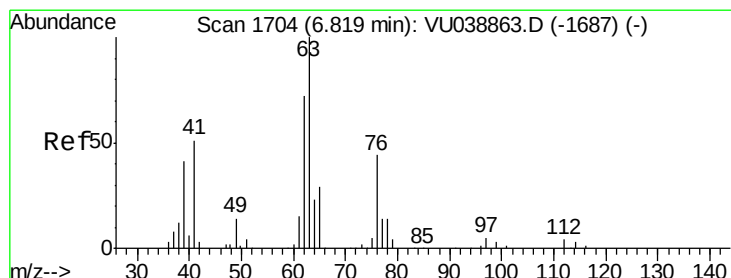
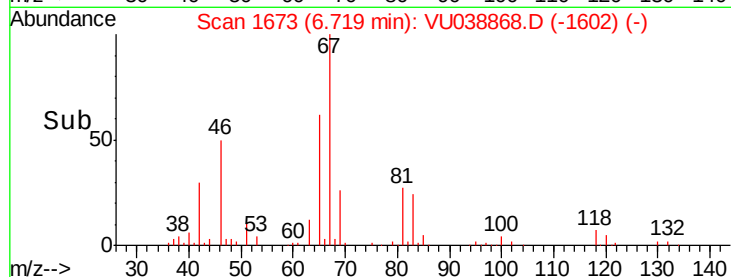
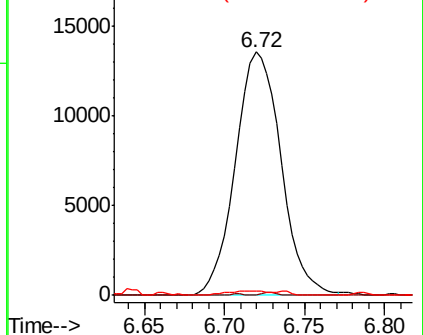
#35
Methvlcvclohexane
Concen: 0.814 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038868.D
Acq: 12 Jun 2020 23:22

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 26467
Ion Ratio Lower Upper
83 100
55 0.4 64.2 96.2#
98 0.0 40.5 60.7#

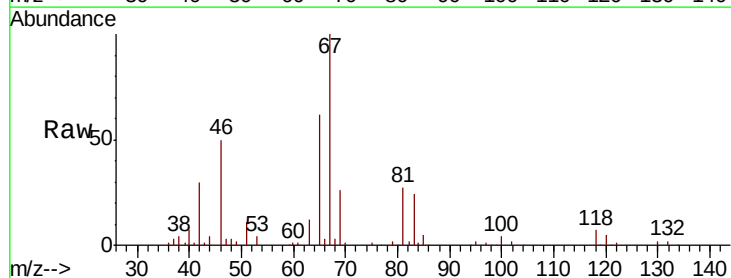


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

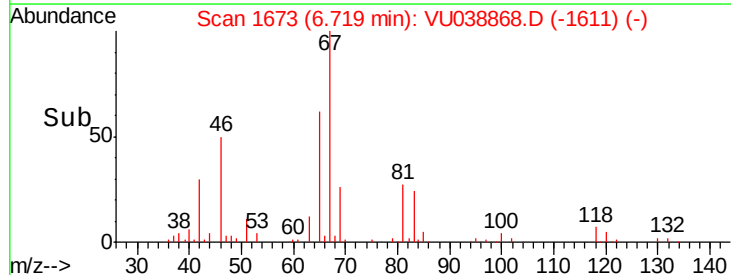
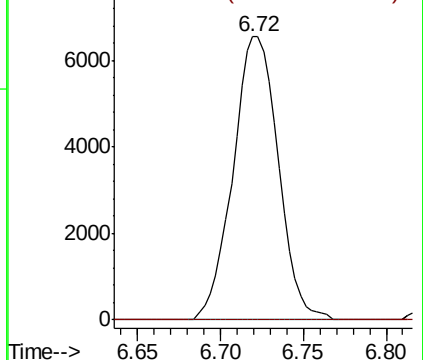


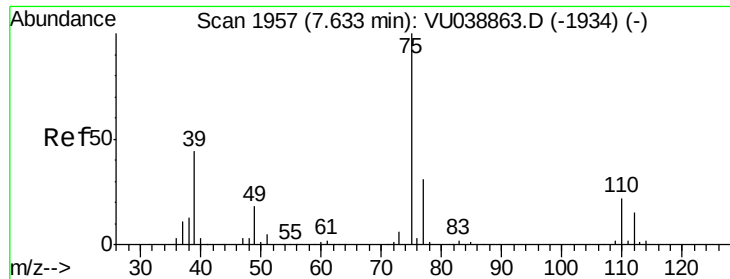
#37
1,2-Dichloropropane
Concen: 0.618 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038868.D
Acq: 12 Jun 2020 23:22

Tgt Ion: 63 Resp: 12464
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

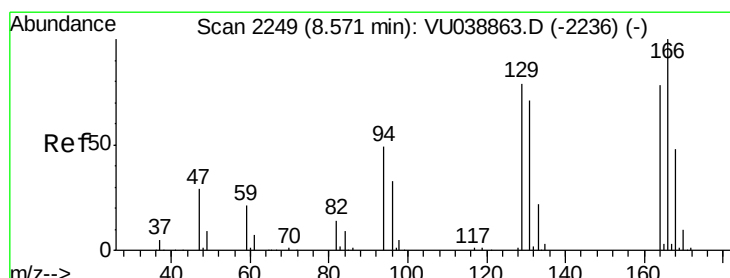
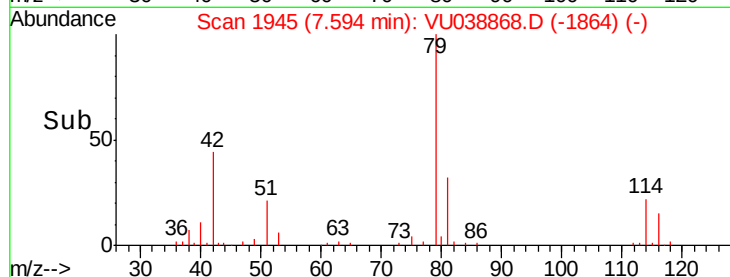
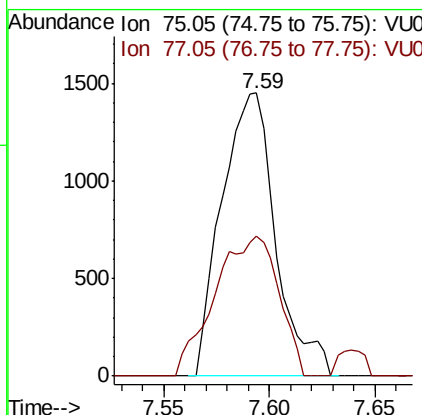
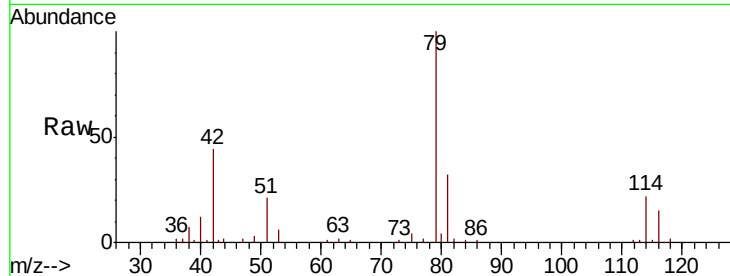




#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU038868.D
 Acq: 12 Jun 2020 23:22

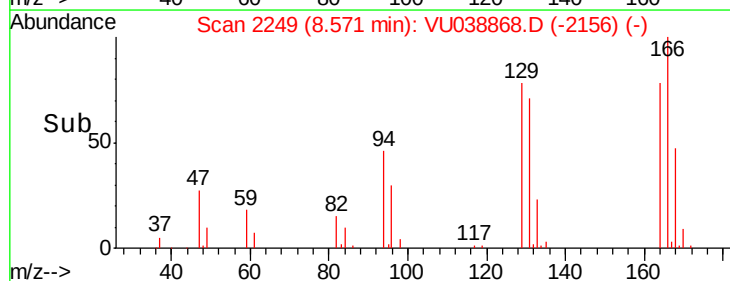
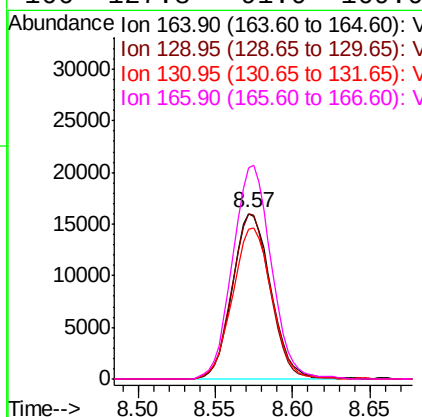
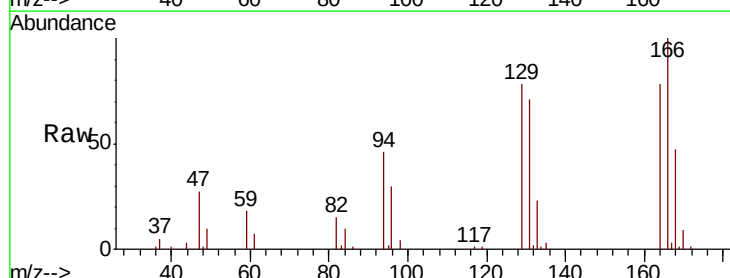
Instrument :
 MSVOA_U
 ClientSampleId :

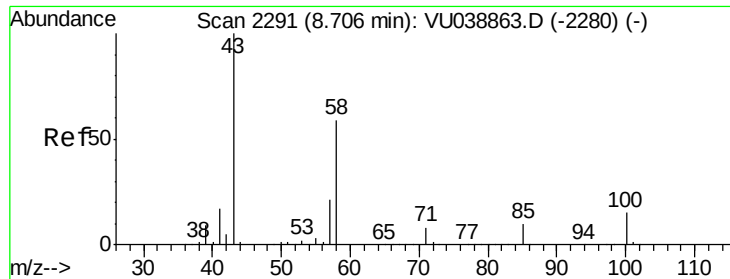
Tot Ion: 75 Resp: 2584
 Ion Ratio Lower Upper
 75 100
 77 49.4 22.4 41.6#



#47
 Tetrachloroethene
 Concen: 1.717 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. 0.00 min
 Lab File: VU038868.D
 Acq: 12 Jun 2020 23:22

Tgt Ion:164 Resp: 27643
 Ion Ratio Lower Upper
 164 100
 129 100.1 67.3 124.9
 131 91.0 65.0 120.6
 166 127.8 91.0 169.0





#48

2-Hexanone

Concen: 1.014 ug/L

RT: 8.70 min Scan# 2290

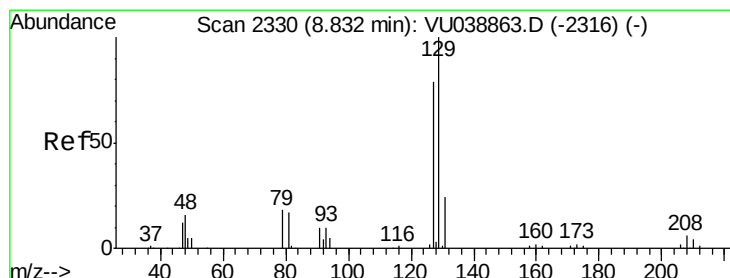
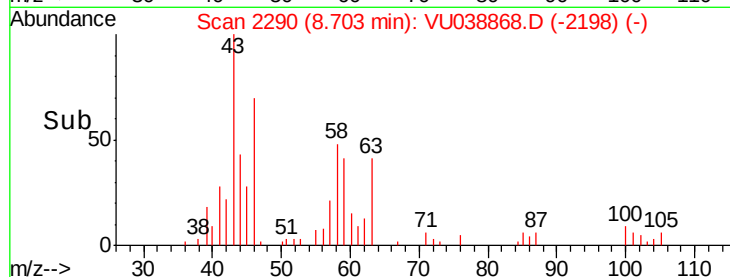
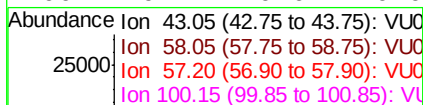
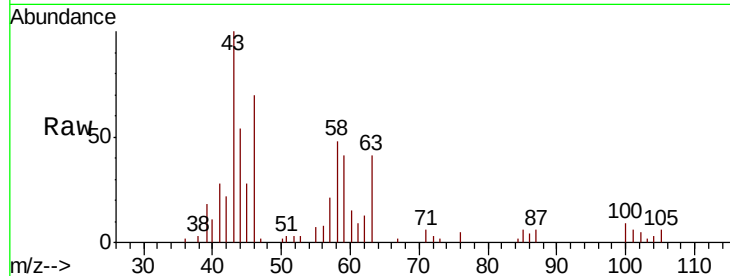
Delta R.T. -0.00 min

Lab File: VU038868.D

Acq: 12 Jun 2020 23:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	10521
Ion	Ratio	Lower	Upper
43	100		
58	46.6	44.8	67.2
57	21.9	16.2	24.2
100	9.4	10.6	16.0#



#49

Dibromochloromethane

Concen: 1.547 ug/L

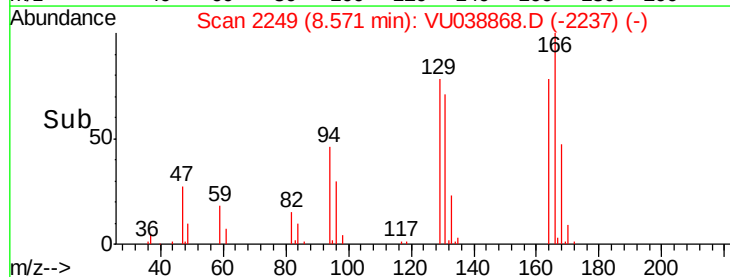
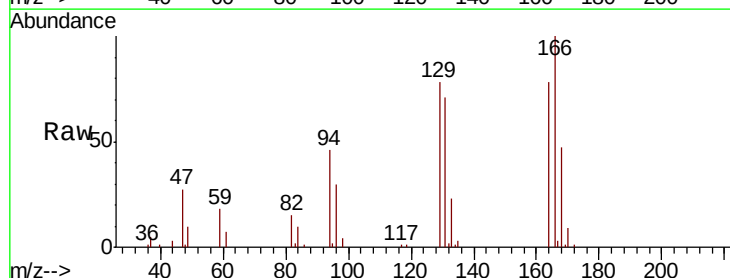
RT: 8.57 min Scan# 2249

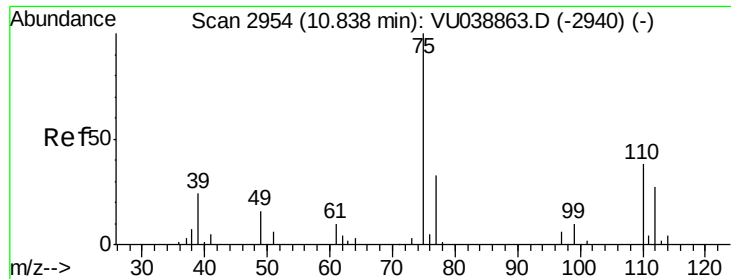
Delta R.T. -0.26 min

Lab File: VU038868.D

Acq: 12 Jun 2020 23:22

Tgt Ion:	129	Resp:	26576
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.5	103.1#





#59

1,2,3-Trichloropropane

Concen: 0.205 ug/L

RT: 10.83 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU038868.D

Acq: 12 Jun 2020 23:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 3071

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8

