

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010820\
 Data File : VU036408.D
 Acq On : 08 Jan 2020 15:30
 Operator : JC/MD
 Sample : L1042-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 09 03:53:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 09 03:50:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	484421	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	460801	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	175863	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	147766	39.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.30%
7) Chloroethane-d5	1.93	69	138728	43.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.14%
11) 1,1-Dichloroethene-d2	2.59	63	236166	36.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.46%
21) 2-Butanone-d5	4.68	46	290629	103.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.39%
24) Chloroform-d	5.11	84	338496	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
26) 1,2-Dichloroethane-d4	5.75	65	229380	52.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.02%
32) Benzene-d6	5.77	84	662018	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.73	67	219596	51.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.08%
41) Toluene-d8	7.93	98	615105	49.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.90%
43) trans-1,3-Dichloropropene-	8.21	79	110849	47.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.96%
47) 2-Hexanone-d5	8.67	63	220956	99.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.57%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	322723	49.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.92%
64) 1,2-Dichlorobenzene-d4	12.22	152	185349	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%

Target Compounds

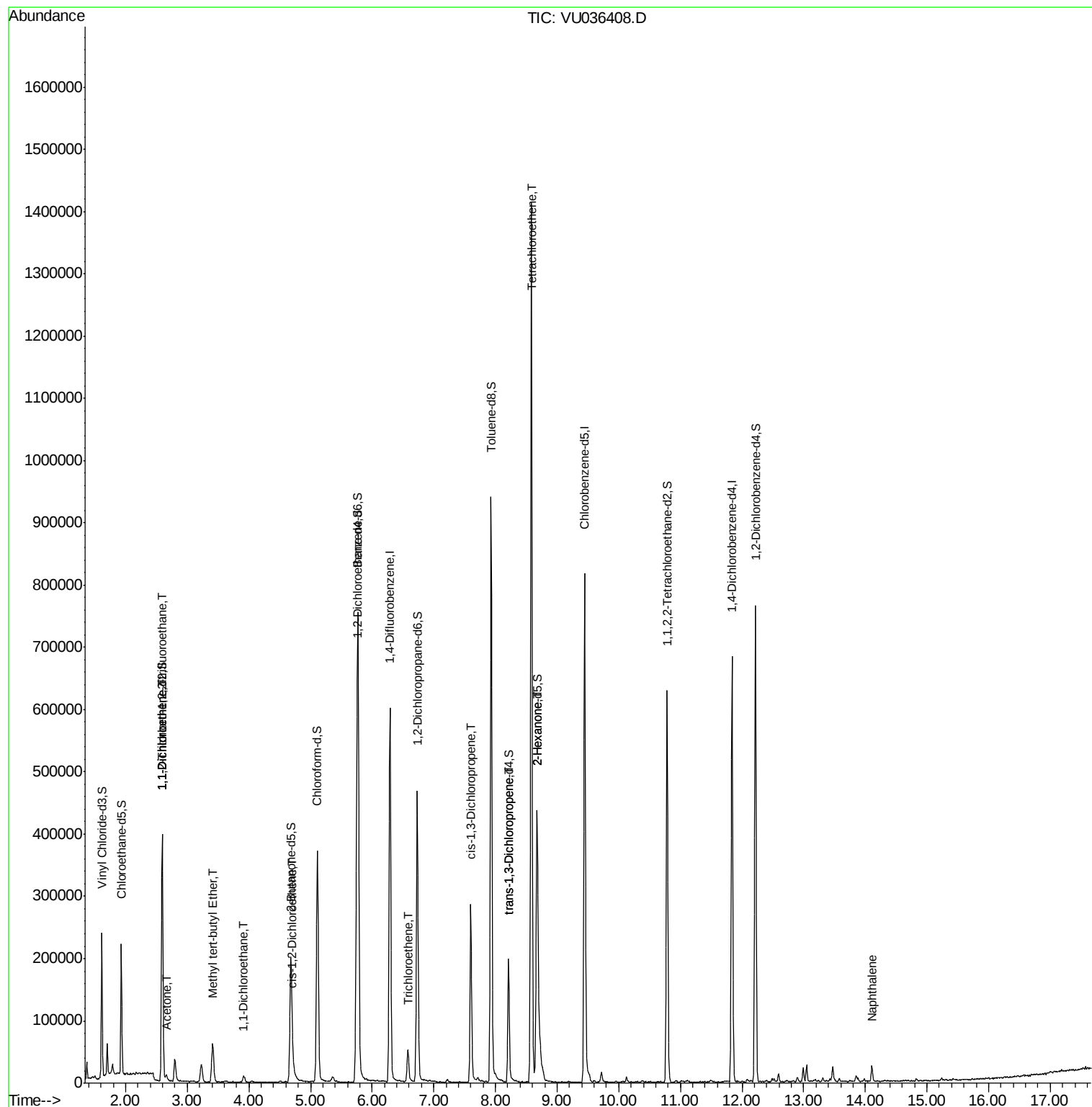
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2360	0.830	ug/L #	24
12) 1,1-Dichloroethene	2.60	96	5596	1.996	ug/L #	1
13) Acetone	2.66	43	9664	3.315	ug/L	93
18) Methyl tert-butyl Ether	3.41	73	73127	6.652	ug/L	99
19) 1,1-Dichloroethane	3.92	63	6174	1.018	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	7132	1.948	ug/L #	86
34) Trichloroethene	6.58	95	16397	4.699	ug/L	96
39) cis-1,3-Dichloropropene	7.60	75	8255	1.345	ug/L #	75
44) trans-1,3-Dichloropropene	8.21	75	5897	1.032	ug/L	88
46) Tetrachloroethene	8.58	164	277118	110.366	ug/L	93
48) 2-Hexanone	8.67	43	21990	4.588	ug/L #	71
69) Naphthalene	14.10	128	17679	1.799	ug/L	98

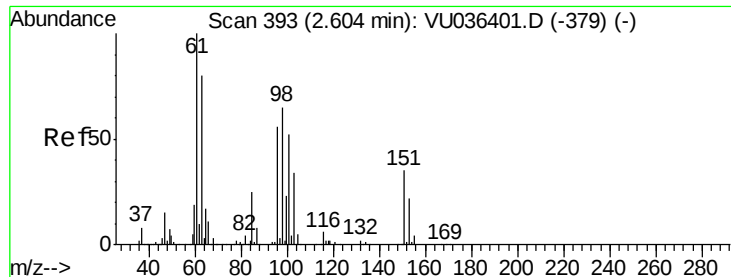
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jan 09 03:50:28 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.830 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU036408.D

Acq: 08 Jan 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

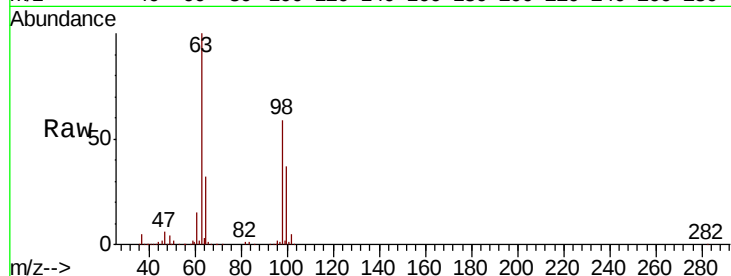
Tot Ion:101 Resp: 2360

Ion Ratio Lower Upper

101 100

85 3.9 37.1 55.7#

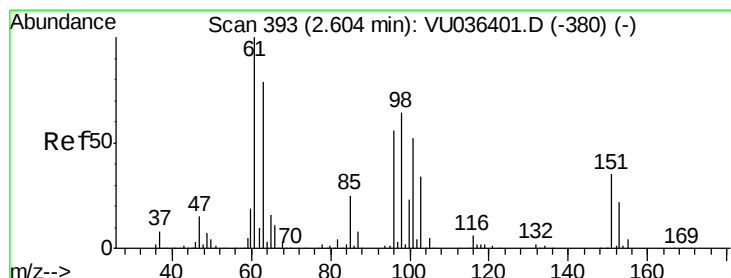
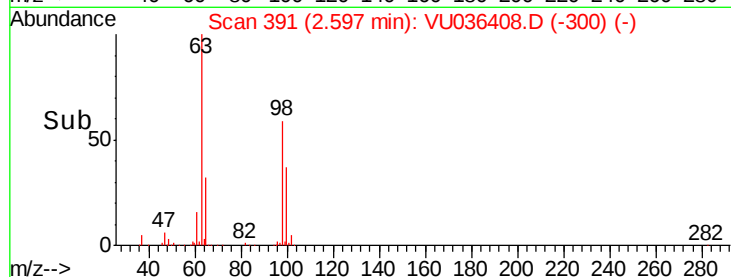
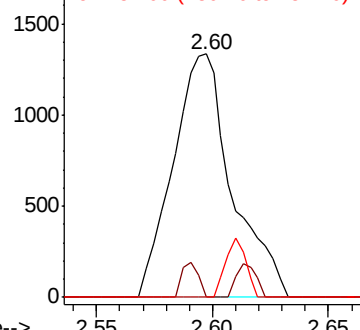
151 0.0 54.3 81.5#



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: 1.996 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036408.D

Acq: 08 Jan 2020 15:30

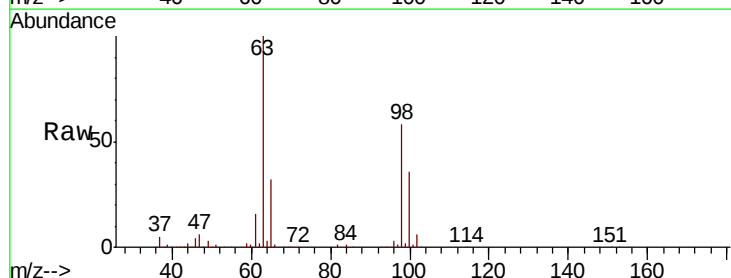
Tgt Ion: 96 Resp: 5596

Ion Ratio Lower Upper

96 100

61 486.9 120.9 224.5#

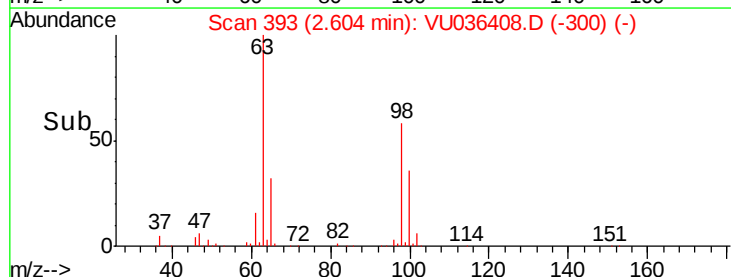
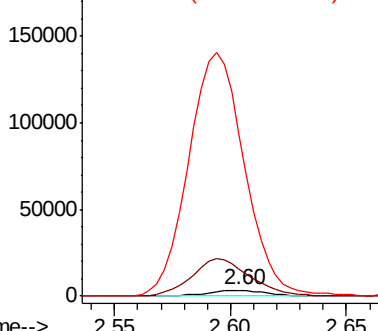
63 2966.7 81.8 152.0#

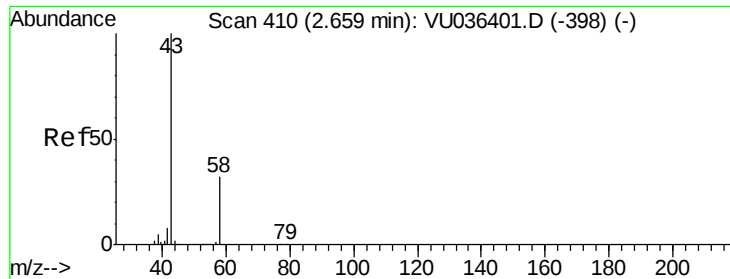


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.315 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036408.D

Acq: 08 Jan 2020 15:30

Instrument :

MSVOA_U

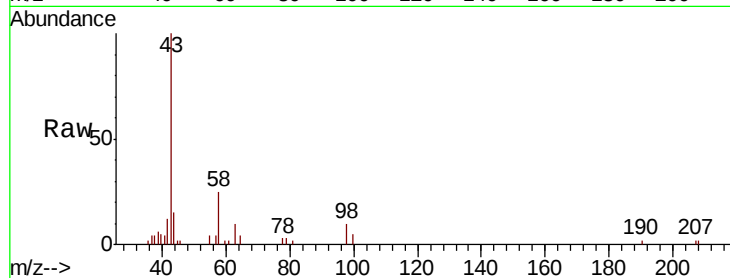
ClientSampleId :

Tot Ion: 43 Resp: 9664

Ion Ratio Lower Upper

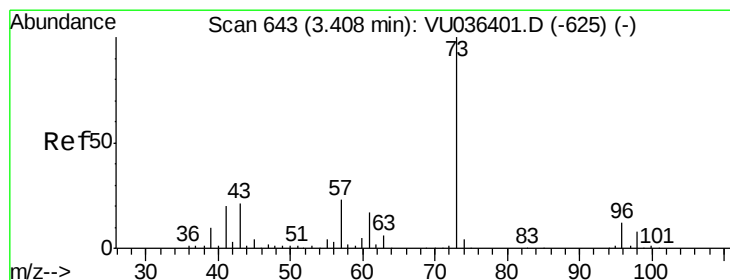
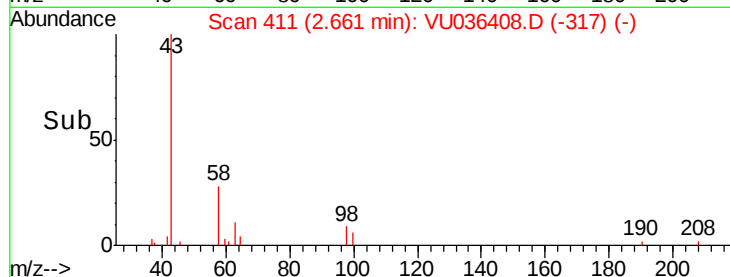
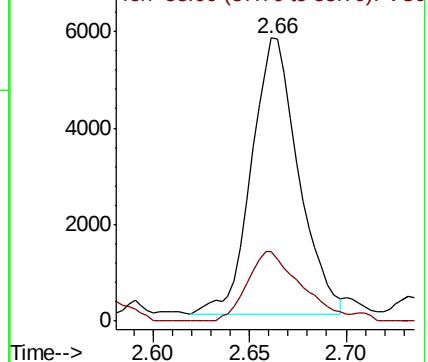
43 100

58 28.9 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl tert-butyl Ether

Concen: 6.652 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036408.D

Acq: 08 Jan 2020 15:30

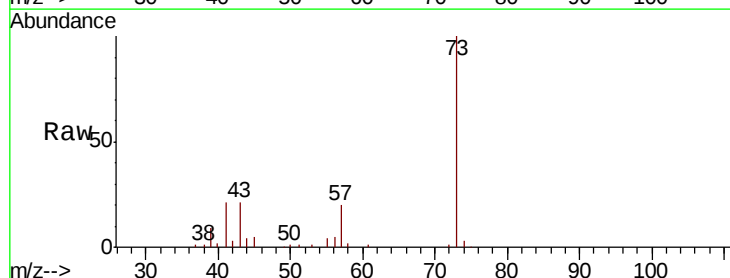
Tgt Ion: 73 Resp: 73127

Ion Ratio Lower Upper

73 100

43 20.8 16.3 24.5

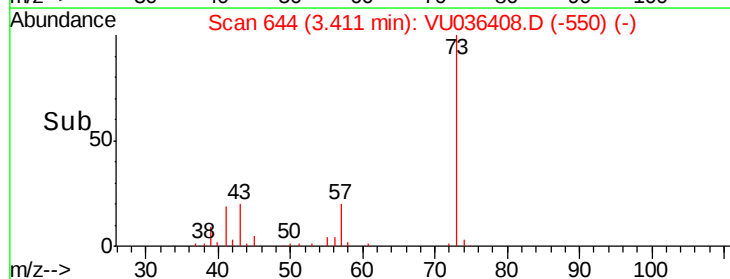
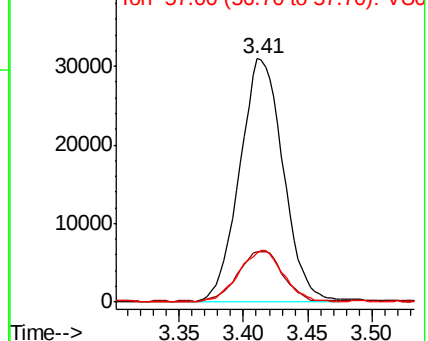
57 21.9 17.7 26.5

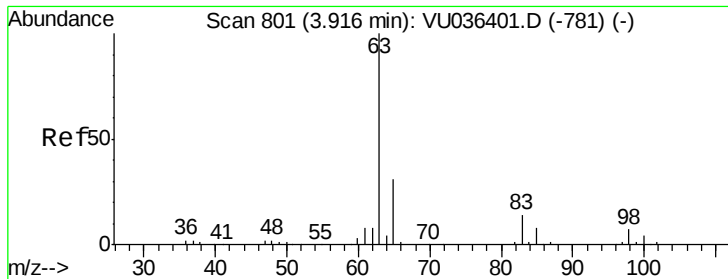


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 1.018 ug/L

RT: 3.92 min Scan# 801

Delta R.T. -0.00 min

Lab File: VU036408.D

Acq: 08 Jan 2020 15:30

Instrument :

MSVOA_U

ClientSampleId :

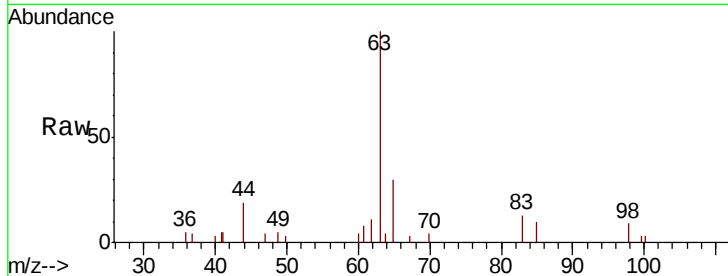
Tot Ion: 63 Resp: 6174

Ion Ratio Lower Upper

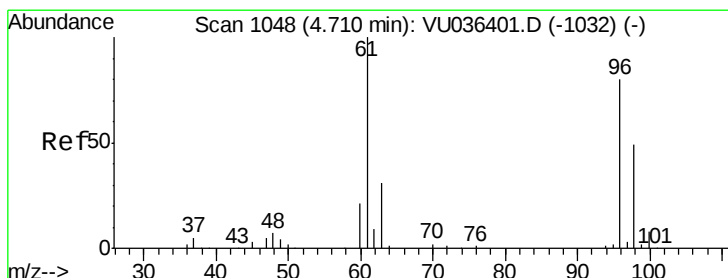
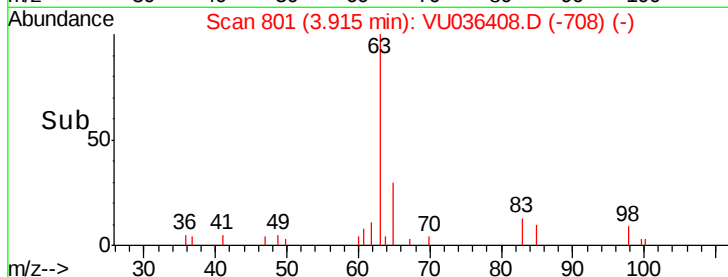
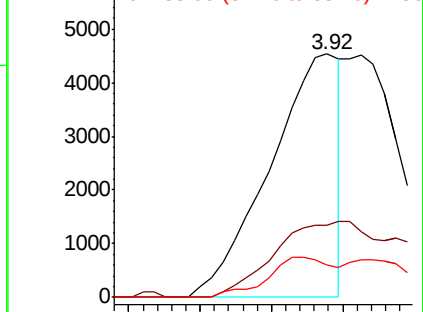
63 100

65 29.6 20.0 37.2

83 13.1 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 1.948 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VU036408.D

Acq: 08 Jan 2020 15:30

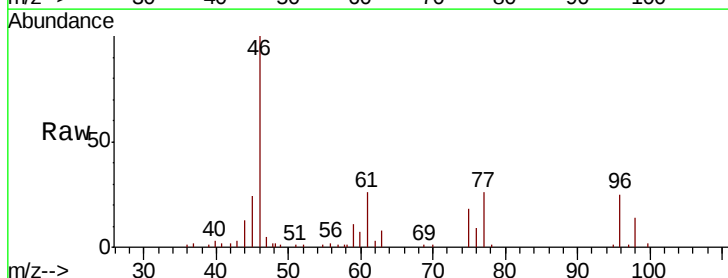
Tgt Ion: 96 Resp: 7132

Ion Ratio Lower Upper

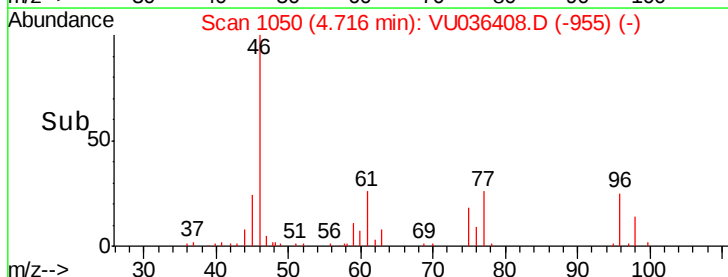
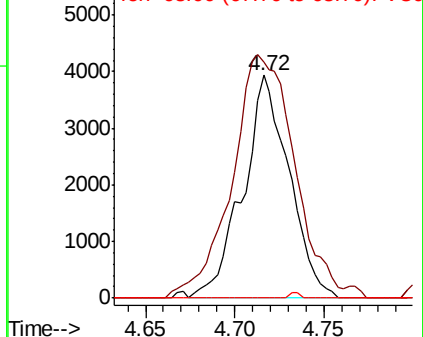
96 100

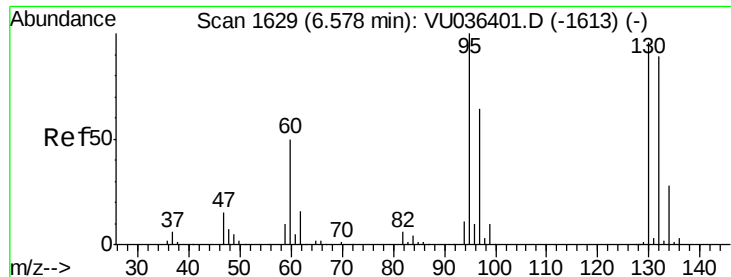
61 105.8 85.1 158.1

68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

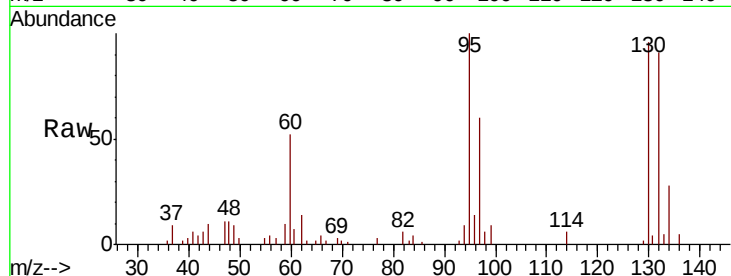




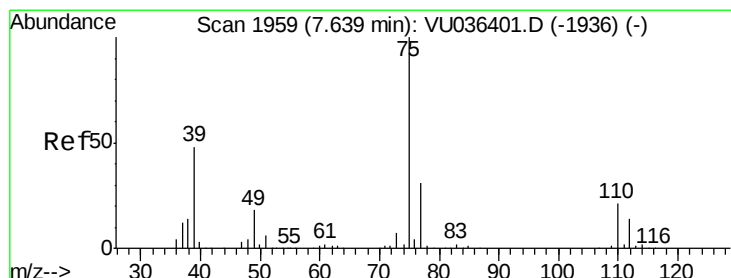
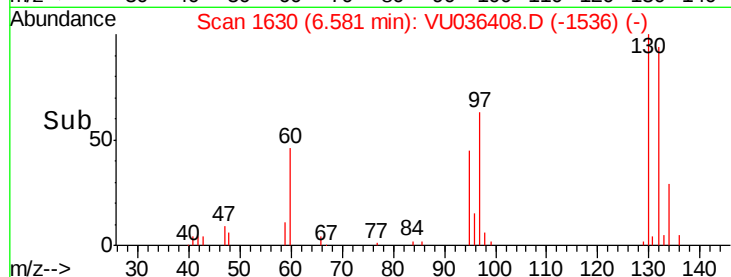
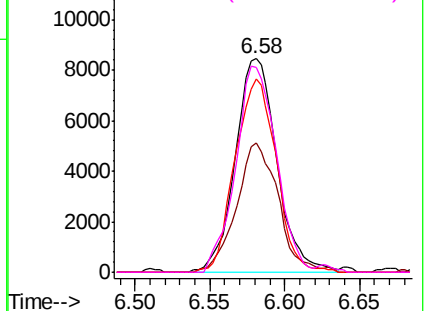
#34
 Trichloroethene
 Concen: 4.699 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036408.D
 Acq: 08 Jan 2020 15:30

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 16397
 Ion Ratio Lower Upper
 95 100
 97 60.4 44.5 82.7
 132 90.6 64.5 119.9
 130 100.1 66.6 123.8

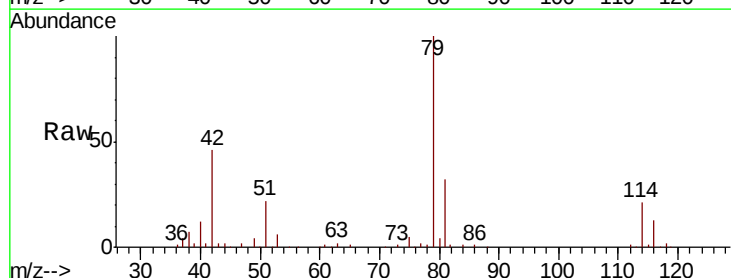


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

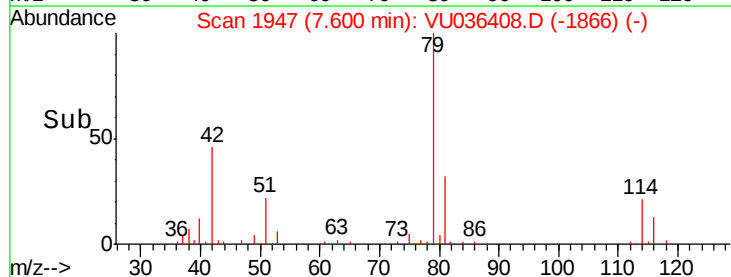
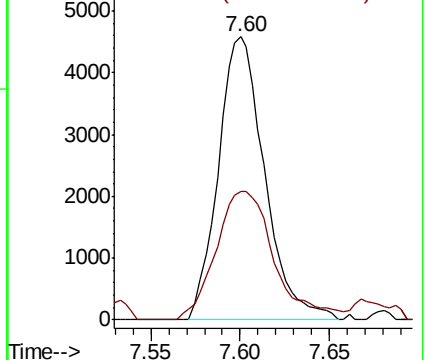


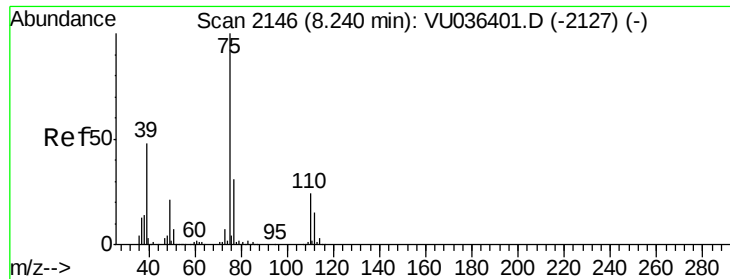
#39
 cis-1,3-Dichloropropene
 Concen: 1.345 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036408.D
 Acq: 08 Jan 2020 15:30

Tgt Ion: 75 Resp: 8255
 Ion Ratio Lower Upper
 75 100
 77 45.3 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 1.032 ug/L

RT: 8.21 min Scan# 2137

Delta R.T. -0.03 min

Lab File: VU036408.D

Acq: 08 Jan 2020 15:30

Instrument :

MSVOA_U

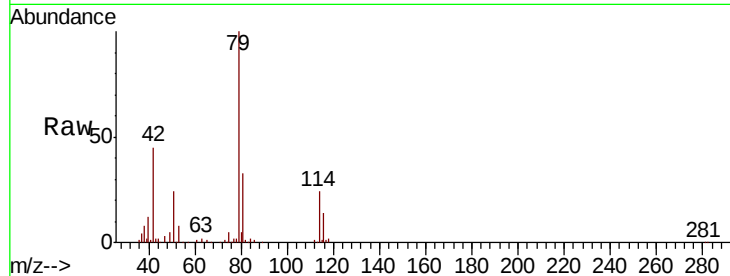
ClientSampleId :

Tot Ion: 75 Resp: 5897

Ion Ratio Lower Upper

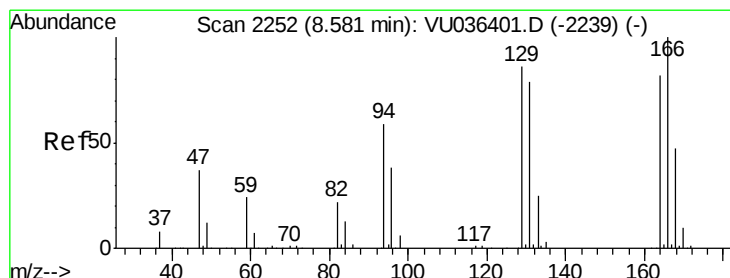
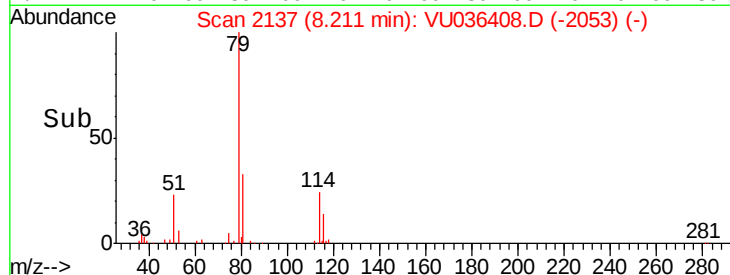
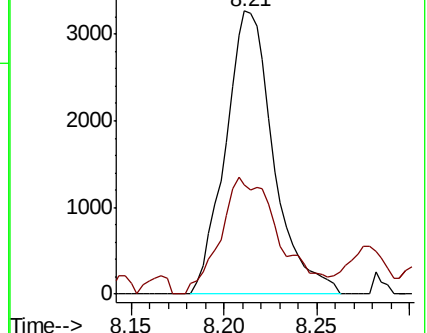
75 100

77 38.8 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU036408.D (-2137) (-)

Ion 77.00 (76.70 to 77.70): VU036408.D (-2137) (-)



#46

Tetrachloroethene

Concen: 110.366 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036408.D

Acq: 08 Jan 2020 15:30

Tgt Ion:164 Resp: 277118

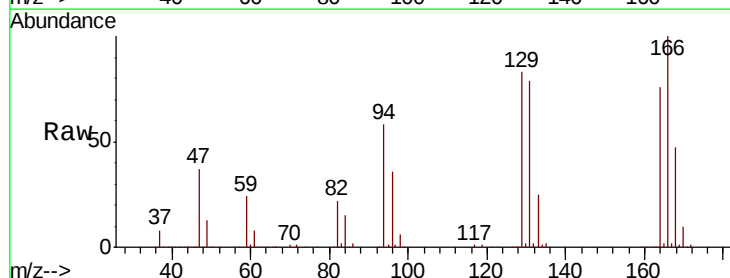
Ion Ratio Lower Upper

164 100

129 109.6 70.0 130.0

131 103.6 70.1 130.1

166 131.9 87.2 161.9

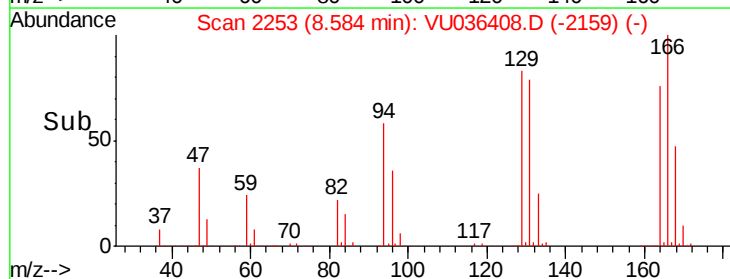
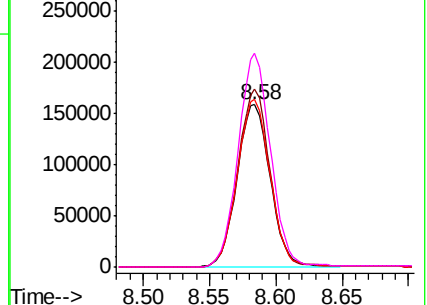


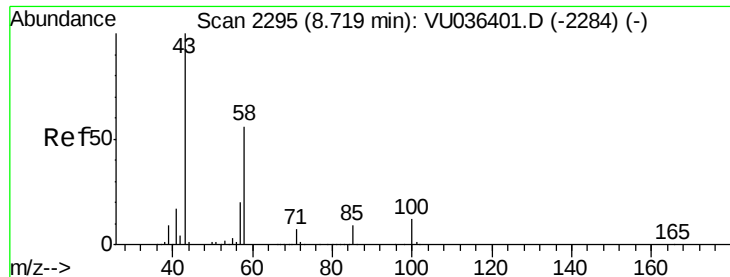
Abundance Ion 164.00 (163.70 to 164.70): VU036408.D (-2253) (-)

Ion 129.00 (128.70 to 129.70): VU036408.D (-2253) (-)

Ion 131.00 (130.70 to 131.70): VU036408.D (-2253) (-)

Ion 166.00 (165.70 to 166.70): VU036408.D (-2253) (-)

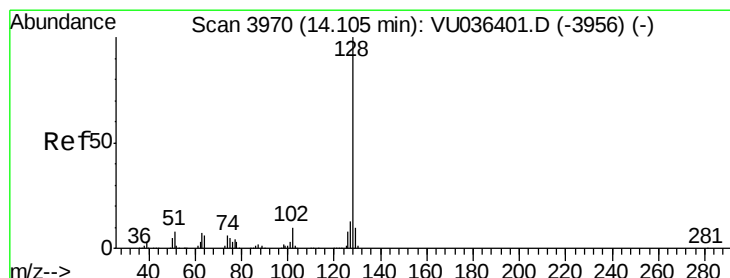
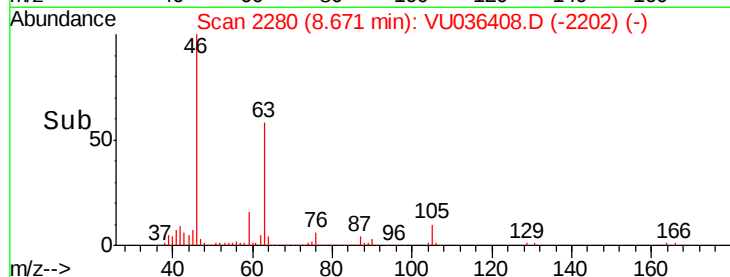
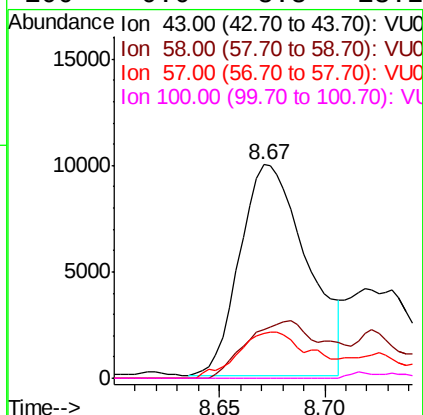
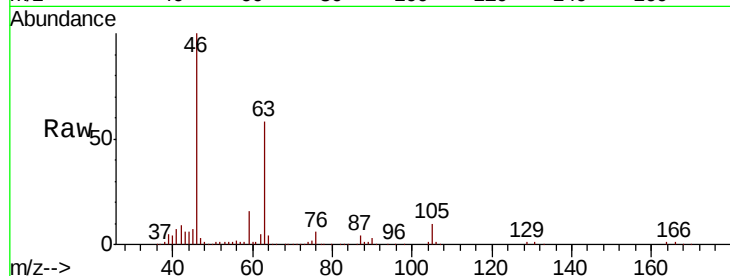




#48
2-Hexanone
Concen: 4.588 ug/L
RT: 8.67 min Scan# 2280
Delta R.T. -0.05 min
Lab File: VU036408.D
Acq: 08 Jan 2020 15:30

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 21990
Ion Ratio Lower Upper
43 100
58 25.4 42.2 63.4#
57 18.8 14.8 22.2
100 0.0 8.8 13.2#



#69
Naphthalene
Concen: 1.799 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. -0.00 min
Lab File: VU036408.D
Acq: 08 Jan 2020 15:30

Tgt Ion: 128 Resp: 17679
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 9.8 8.5 12.7

