

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081720\
 Data File : VU039890.D
 Acq On : 17 Aug 2020 16:15
 Operator : SY/MD
 Sample : L3517-07 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4M01

Quant Time: Aug 18 04:27:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 18 04:18:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	95747	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	95960	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	46946	5.00	ug/L	0.00

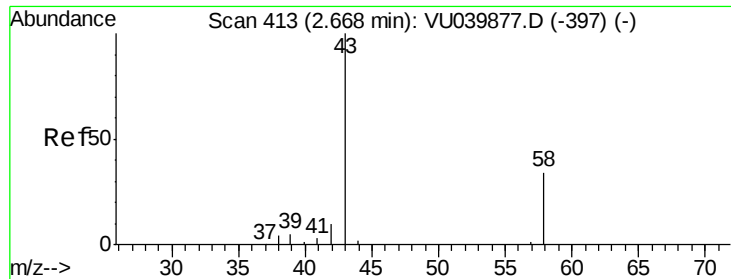
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	16340	3.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.20%
7) Chloroethane-d5	1.92	69	16952	3.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	60.60%#
11) 1,1-Dichloroethene-d2	2.58	63	24201	2.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	46.40%#
20) 2-Butanone-d5	4.66	46	71174	31.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	62.60%
24) Chloroform-d	5.08	84	40748	3.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	63.20%#
26) 1,2-Dichloroethane-d4	5.72	65	24471	3.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.60%#
32) Benzene-d6	5.74	84	73101	3.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.00%#
36) 1,2-Dichloropropane-d6	6.70	67	26038	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	66.60%
41) Toluene-d8	7.91	98	59013	2.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.20%#
43) trans-1,3-Dichloropropene-	8.18	79	10080	3.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.20%
46) 2-Hexanone-d5	8.64	63	53894	33.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	66.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23832	3.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	62.80%#
64) 1,2-Dichlorobenzene-d4	12.19	152	26791	3.33	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	66.60%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.68	43	164385	122.621	ug/L	97
15) Methyl Acetate	2.87	43	2276	0.688	ug/L #	59
16) Methylene chloride	3.06	84	1704	0.185	ug/L	78
21) 2-Butanone	4.75	43	26433	12.512	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	1161	0.168	ug/L	94
35) Methylcyclohexane	6.70	83	5868	0.541	ug/L #	22
37) 1,2-Dichloropropane	6.71	63	3066	0.442	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	913	0.096	ug/L #	72
40) 4-Methyl-2-pentanone	7.80	43	27976	5.391	ug/L	100
42) Toluene	7.97	91	4344	0.158	ug/L	89
52) Ethylbenzene	9.57	91	8960	0.291	ug/L	98
53) m,p-Xylene	9.69	106	11182	0.955	ug/L	77
54) o-Xylene	10.10	106	3238	0.282	ug/L	97
59) 1,2,3-Trichloropropane	11.81	75	6991	1.396	ug/L #	88

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



#13

Acetone

Concen: 122.621 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU039890.D

Acq: 17 Aug 2020 16:15

Instrument :

MSVOA_U

ClientSampleId :

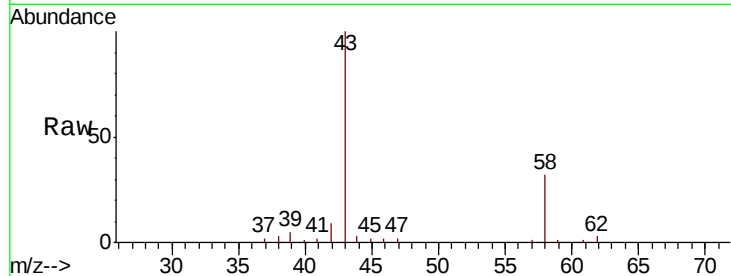
F4M01

Tot Ion: 43 Resp: 164385

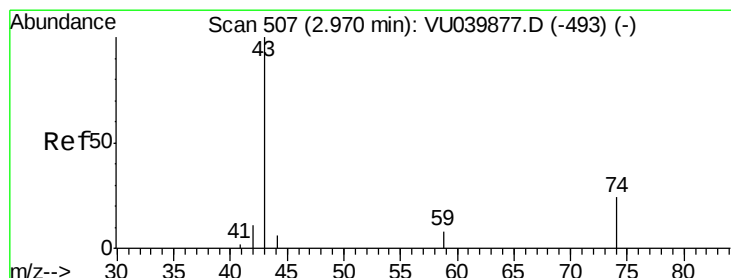
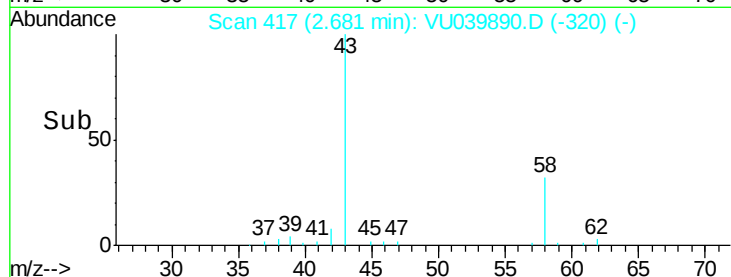
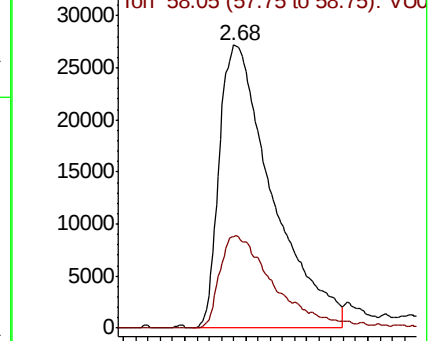
Ion Ratio Lower Upper

43 100

58 32.6 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU039890.D (-320) (-)



#15

Methyl Acetate

Concen: 0.688 ug/L

RT: 2.87 min Scan# 475

Delta R.T. -0.10 min

Lab File: VU039890.D

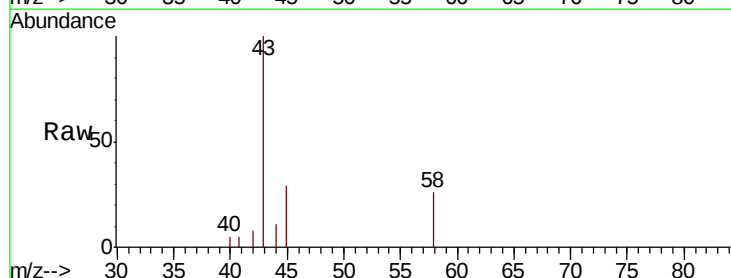
Acq: 17 Aug 2020 16:15

Tgt Ion: 43 Resp: 2276

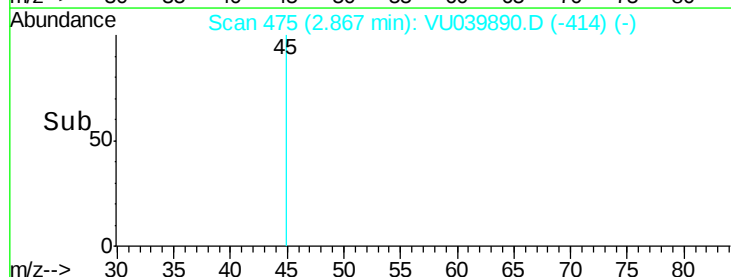
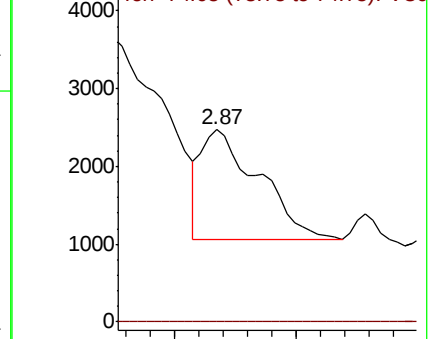
Ion Ratio Lower Upper

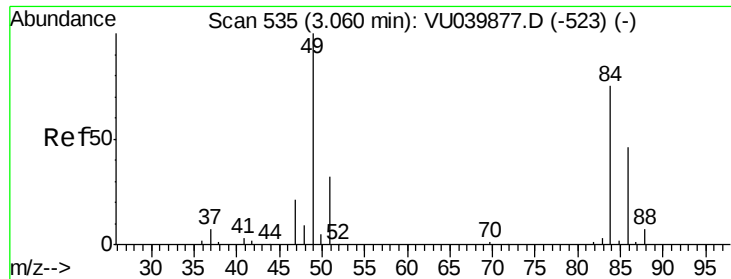
43 100

74 1.8 16.6 25.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039890.D (-414) (-)

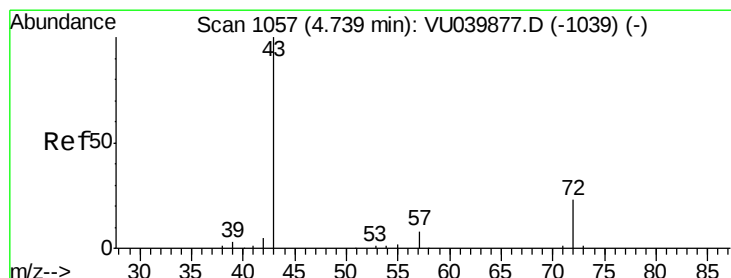
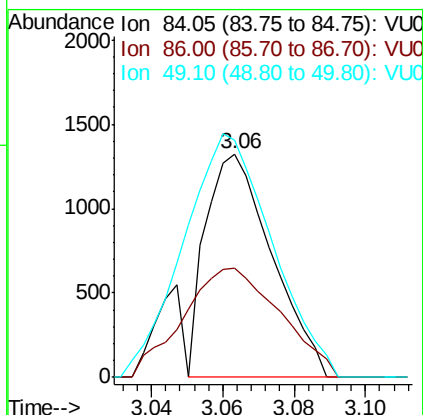
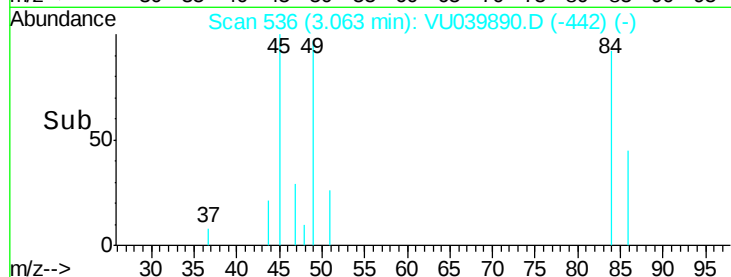
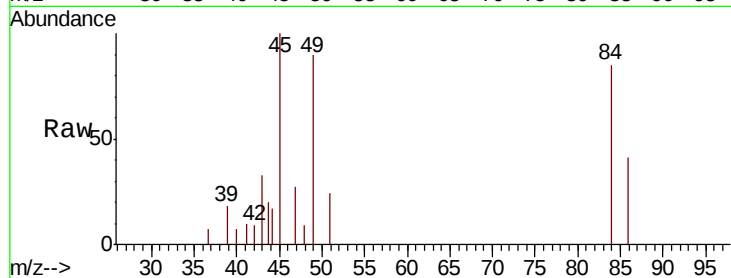




#16
Methvlene chloride
Concen: 0.185 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039890.D
Acq: 17 Aug 2020 16:15

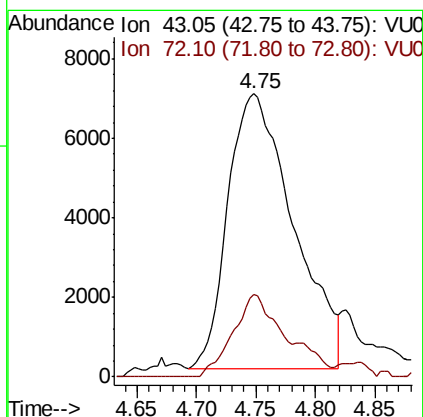
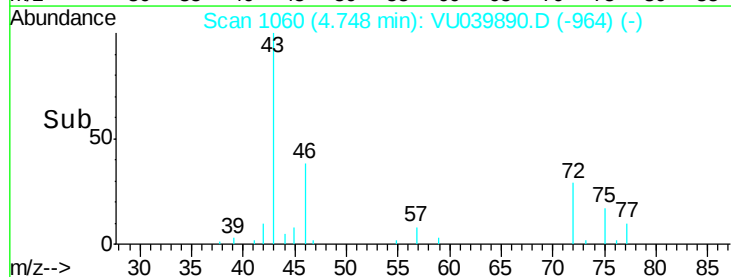
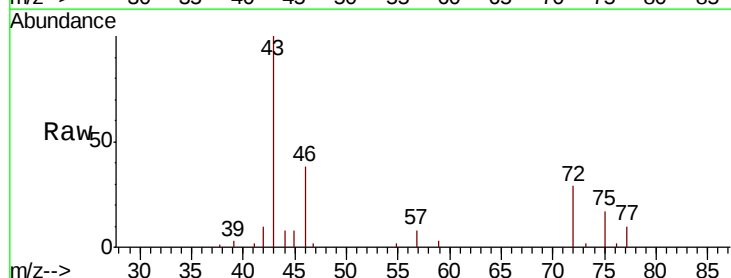
Instrument :
MSVOA_U
ClientSampleId :
F4M01

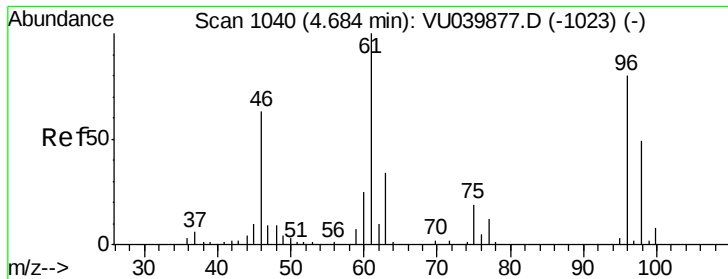
Tot Ion: 84 Resp: 1704
Ion Ratio Lower Upper
84 100
86 48.8 43.9 81.5
49 106.3 94.4 175.4



#21
2-Butanone
Concen: 12.512 ug/L
RT: 4.75 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VU039890.D
Acq: 17 Aug 2020 16:15

Tgt Ion: 43 Resp: 26433
Ion Ratio Lower Upper
43 100
72 24.7 13.0 39.0

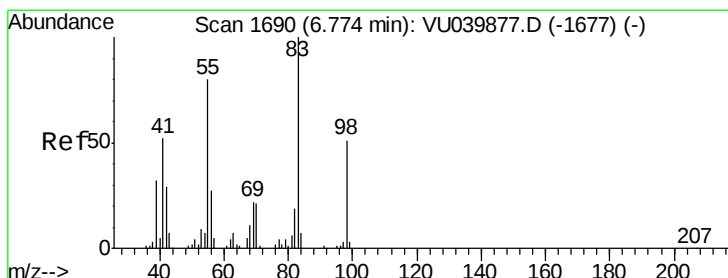
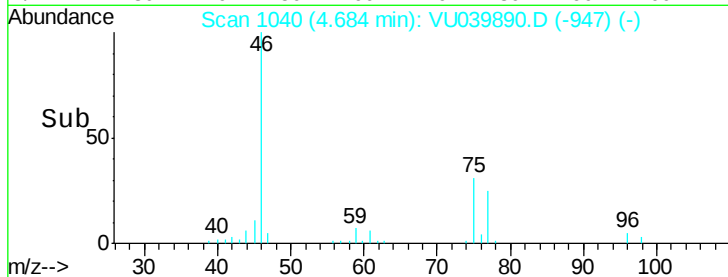
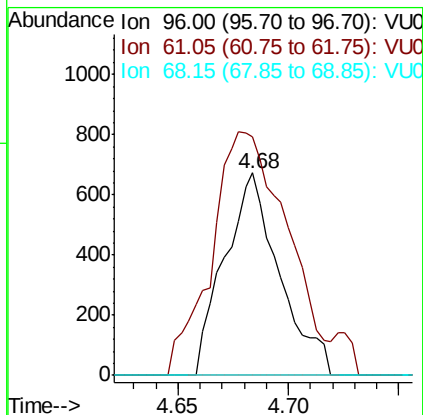
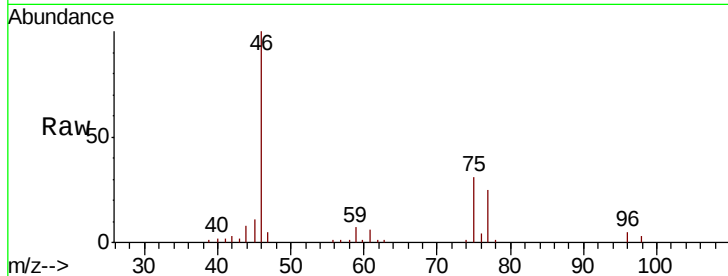




#22
 cis-1,2-Dichloroethene
 Concen: 0.168 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU039890.D
 Acq: 17 Aug 2020 16:15

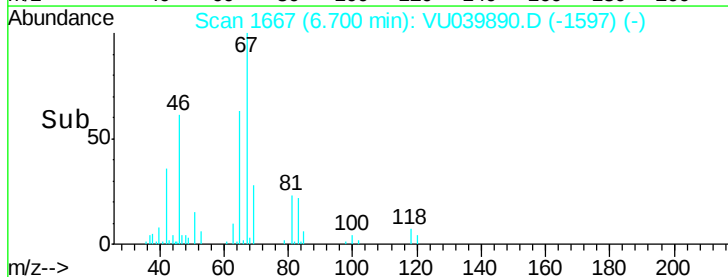
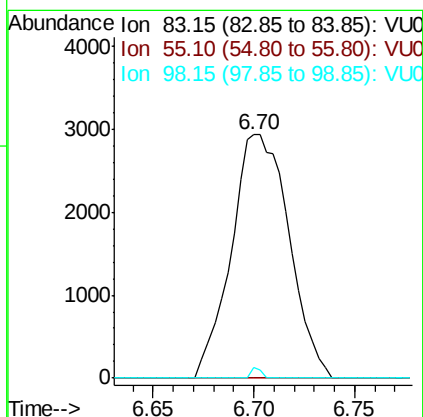
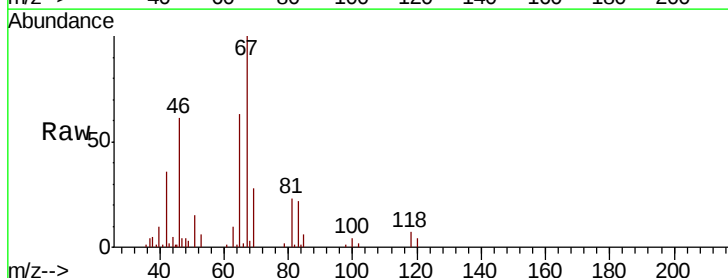
Instrument :
 MSVOA_U
 ClientSampled :
 F4M01

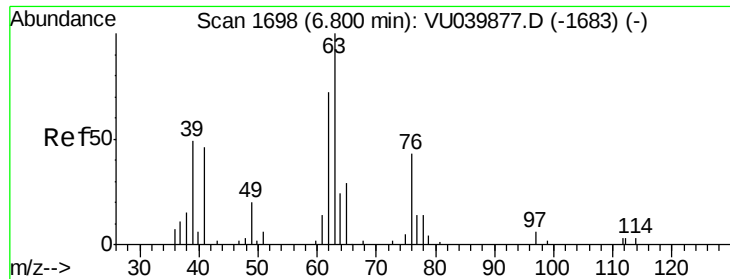
Tot Ion: 96 Resp: 1161
 Ion Ratio Lower Upper
 96 100
 61 117.7 87.4 162.2
 68 0.0 0.0 0.0



#35
 Methylcyclohexane
 Concen: 0.541 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU039890.D
 Acq: 17 Aug 2020 16:15

Tgt Ion: 83 Resp: 5868
 Ion Ratio Lower Upper
 83 100
 55 3.4 59.4 89.0#
 98 0.7 39.0 58.4#





#37

1,2-Dichloropropane

Concen: 0.442 ug/L

RT: 6.71 min Scan# 1670

Delta R.T. -0.09 min

Lab File: VU039890.D

Acq: 17 Aug 2020 16:15

Instrument :

MSVOA_U

ClientSampleId :

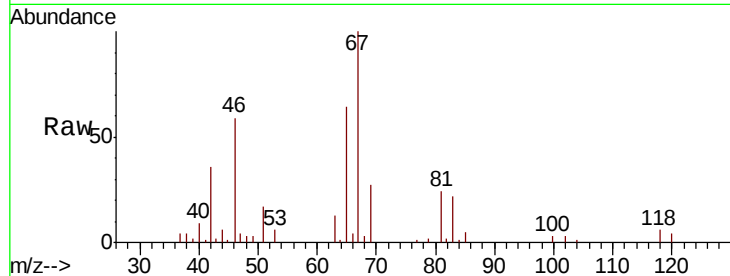
F4M01

Tot Ion: 63 Resp: 3066

Ion Ratio Lower Upper

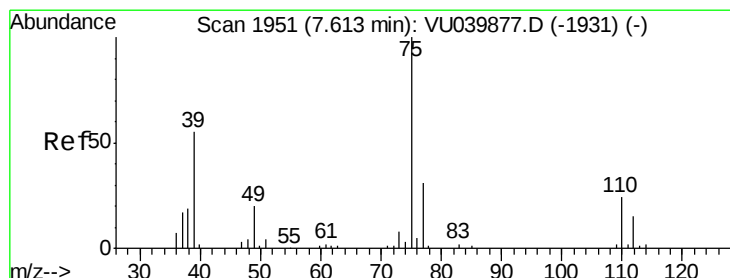
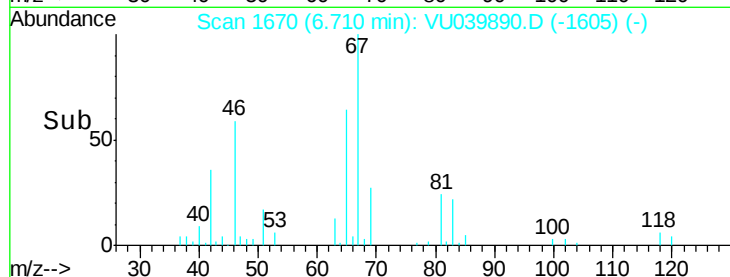
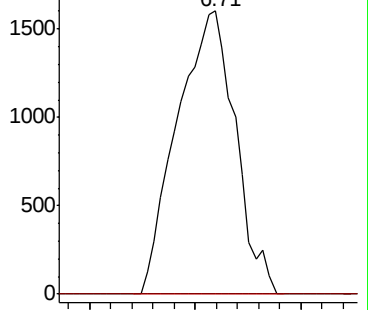
63 100

112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU039877.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU039877.D (-1683) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039890.D

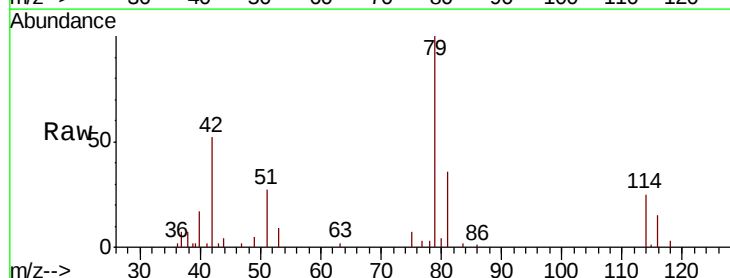
Acq: 17 Aug 2020 16:15

Tgt Ion: 75 Resp: 913

Ion Ratio Lower Upper

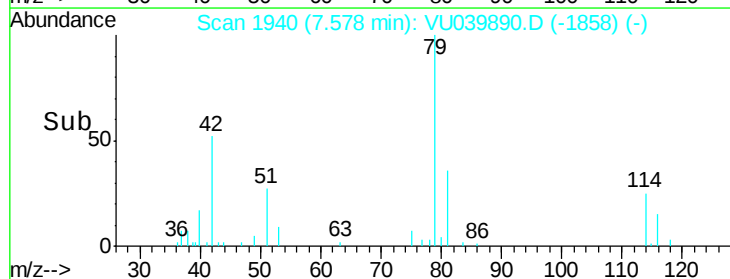
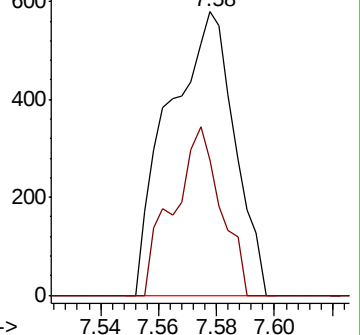
75 100

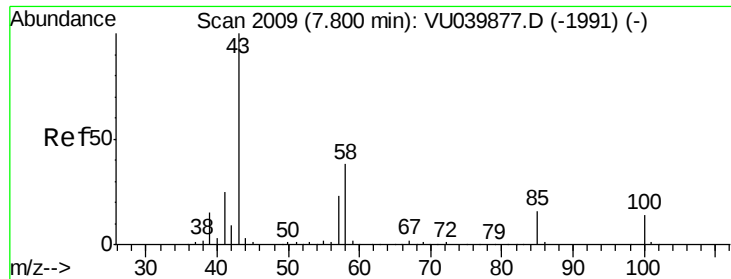
77 47.7 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU039877.D (-1931) (-)

Ion 77.05 (76.75 to 77.75): VU039877.D (-1931) (-)

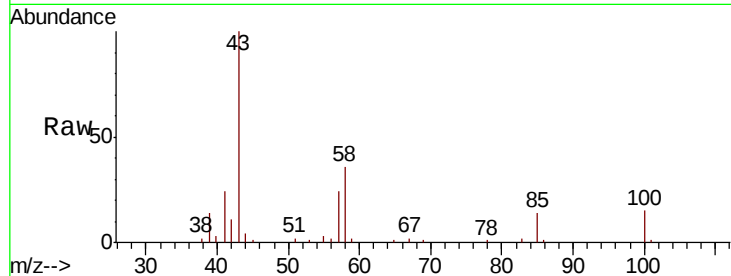




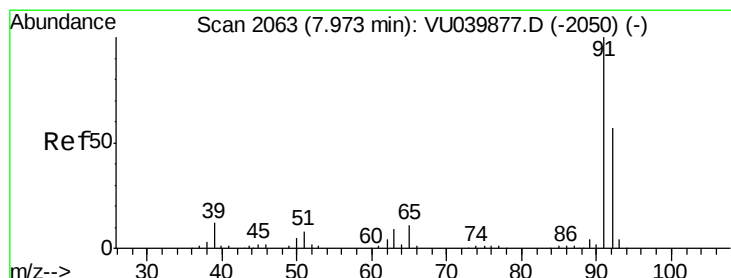
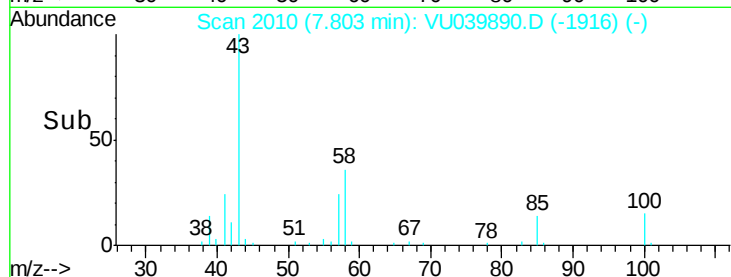
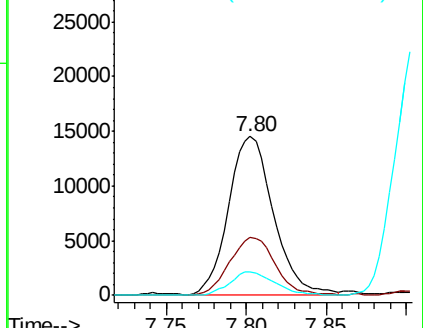
#40
 4-Methyl-2-pentanone
 Concen: 5.391 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039890.D
 Acq: 17 Aug 2020 16:15

Instrument :
 MSVOA_U
 ClientSampleId :
 F4M01

Tot Ion: 43 Resp: 27976
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.4 44.2
 100 14.6 11.7 17.5

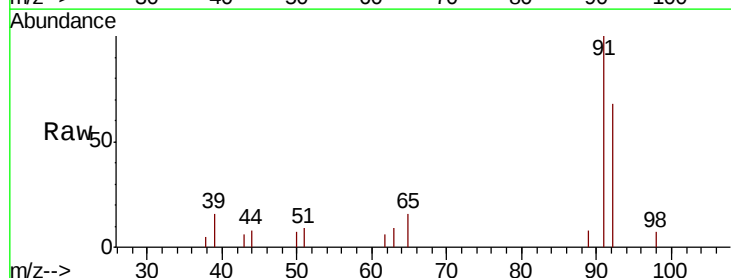


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0

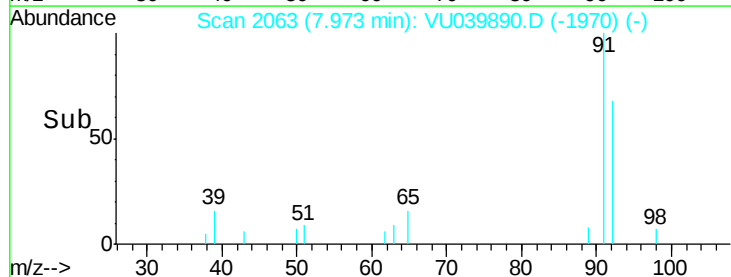
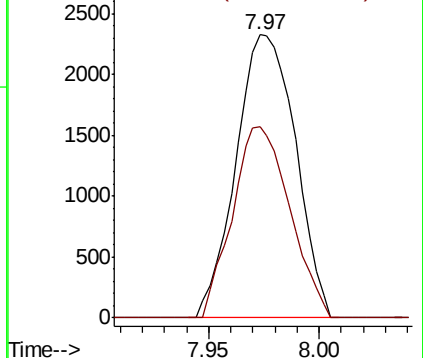


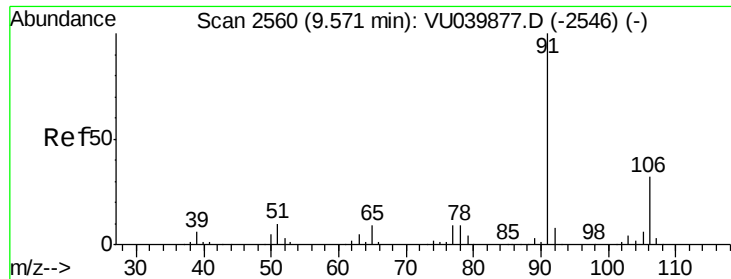
#42
 Toluene
 Concen: 0.158 ug/L
 RT: 7.97 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VU039890.D
 Acq: 17 Aug 2020 16:15

Tgt Ion: 91 Resp: 4344
 Ion Ratio Lower Upper
 91 100
 92 67.7 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU0
 Ion 92.15 (91.85 to 92.85): VU0





#52

Ethylbenzene

Concen: 0.291 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039890.D

Acq: 17 Aug 2020 16:15

Instrument :

MSVOA_U

ClientSampleId :

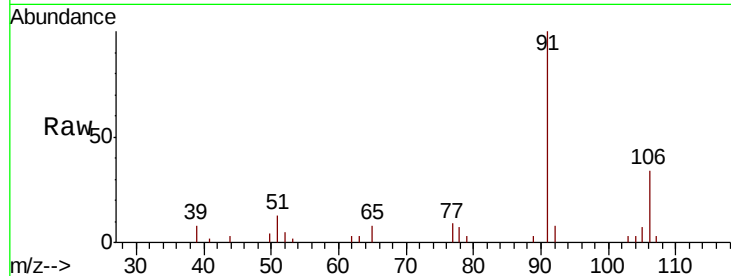
F4M01

Tot Ion: 91 Resp: 8960

Ion Ratio Lower Upper

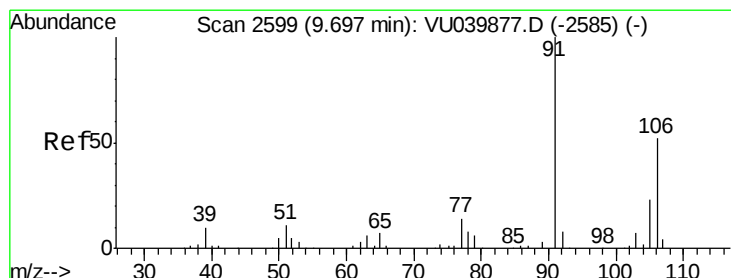
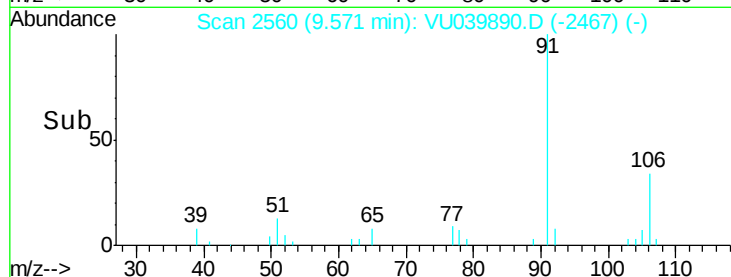
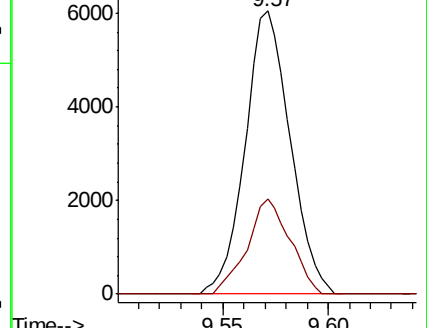
91 100

106 33.7 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039890.D (-2467) (-)

Ion 106.15 (105.85 to 106.85): VU039890.D (-2467) (-)



#53

m,p-Xylene

Concen: 0.955 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039890.D

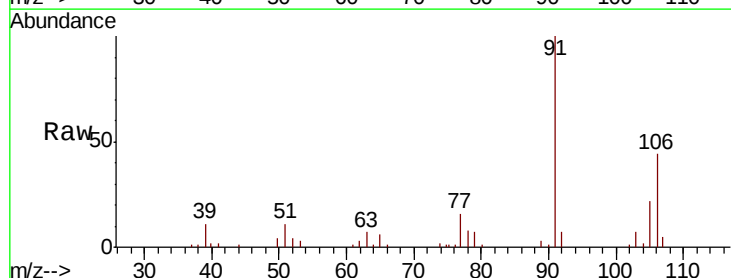
Acq: 17 Aug 2020 16:15

Tgt Ion: 106 Resp: 11182

Ion Ratio Lower Upper

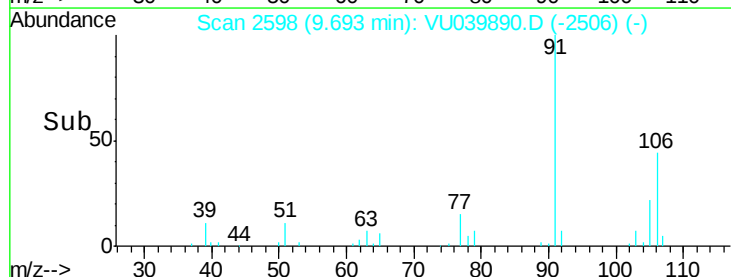
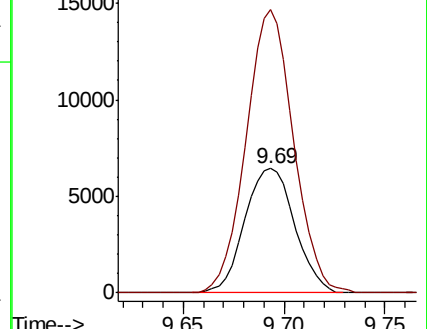
106 100

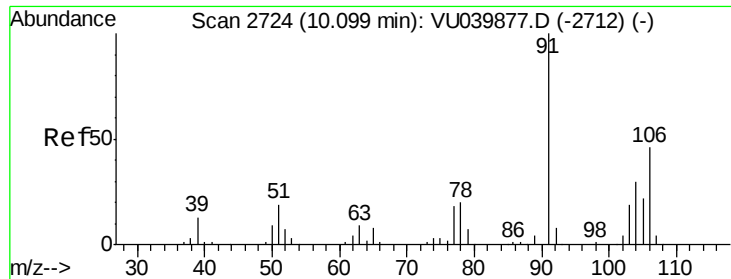
91 228.0 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039890.D (-2506) (-)

Ion 91.15 (90.85 to 91.85): VU039890.D (-2506) (-)

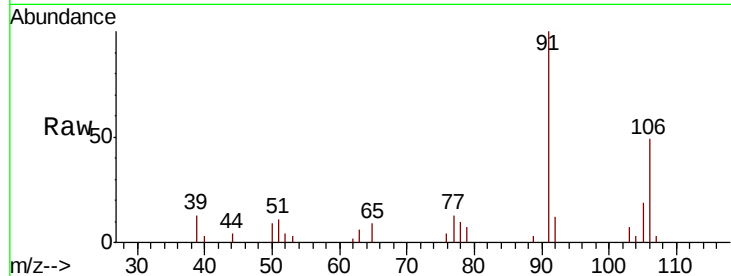




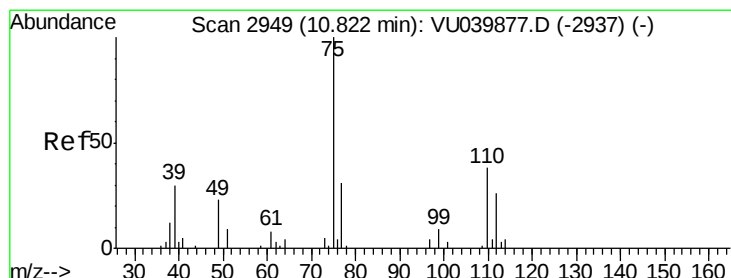
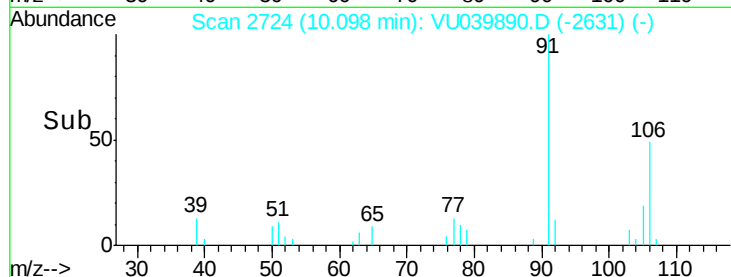
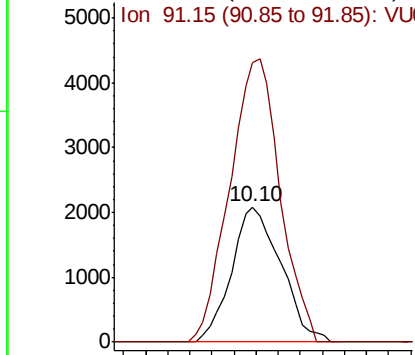
#54
o-Xylene
Concen: 0.282 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU039890.D
Acq: 17 Aug 2020 16:15

Instrument :
MSVOA_U
ClientSampled :
F4M01

Tot Ion:106 Resp: 3238
Ion Ratio Lower Upper
106 100
91 206.2 140.8 261.6

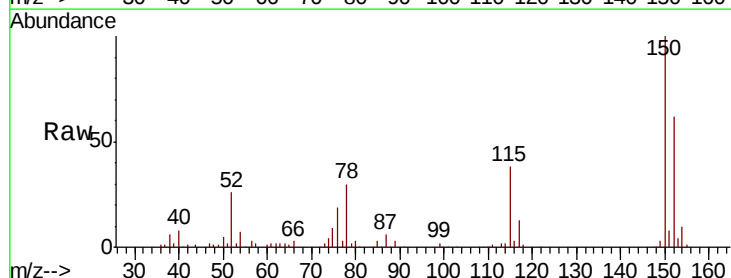


Abundance Ion 106.15 (105.85 to 106.85): VU039877.D (-2712) (-)
Ion 91.15 (90.85 to 91.85): VU039877.D (-2712) (-)



#59
1,2,3-Trichloropropane
Concen: 1.396 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU039890.D
Acq: 17 Aug 2020 16:15

Tgt Ion: 75 Resp: 6991
Ion Ratio Lower Upper
75 100
77 37.5 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VU039877.D (-2937) (-)
Ion 77.00 (76.70 to 77.70): VU039877.D (-2937) (-)

