

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080820\
 Data File : VU039804.D
 Acq On : 08 Aug 2020 12:08
 Operator : SY/MD
 Sample : L3590-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4L23

Quant Time: Aug 10 02:10:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 10 01:16:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	96217	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	95669	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45573	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24407	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.92	69	26792	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.58	63	36824	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	4.66	46	99488	43.54	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.08%
24) Chloroform-d	5.09	84	66949	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.72	65	43843	5.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.40%
32) Benzene-d6	5.75	84	115048	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.70	67	41941	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.91	98	88612	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.19	79	15232	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.64	63	101136	62.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	125.08%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40539	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	42277	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

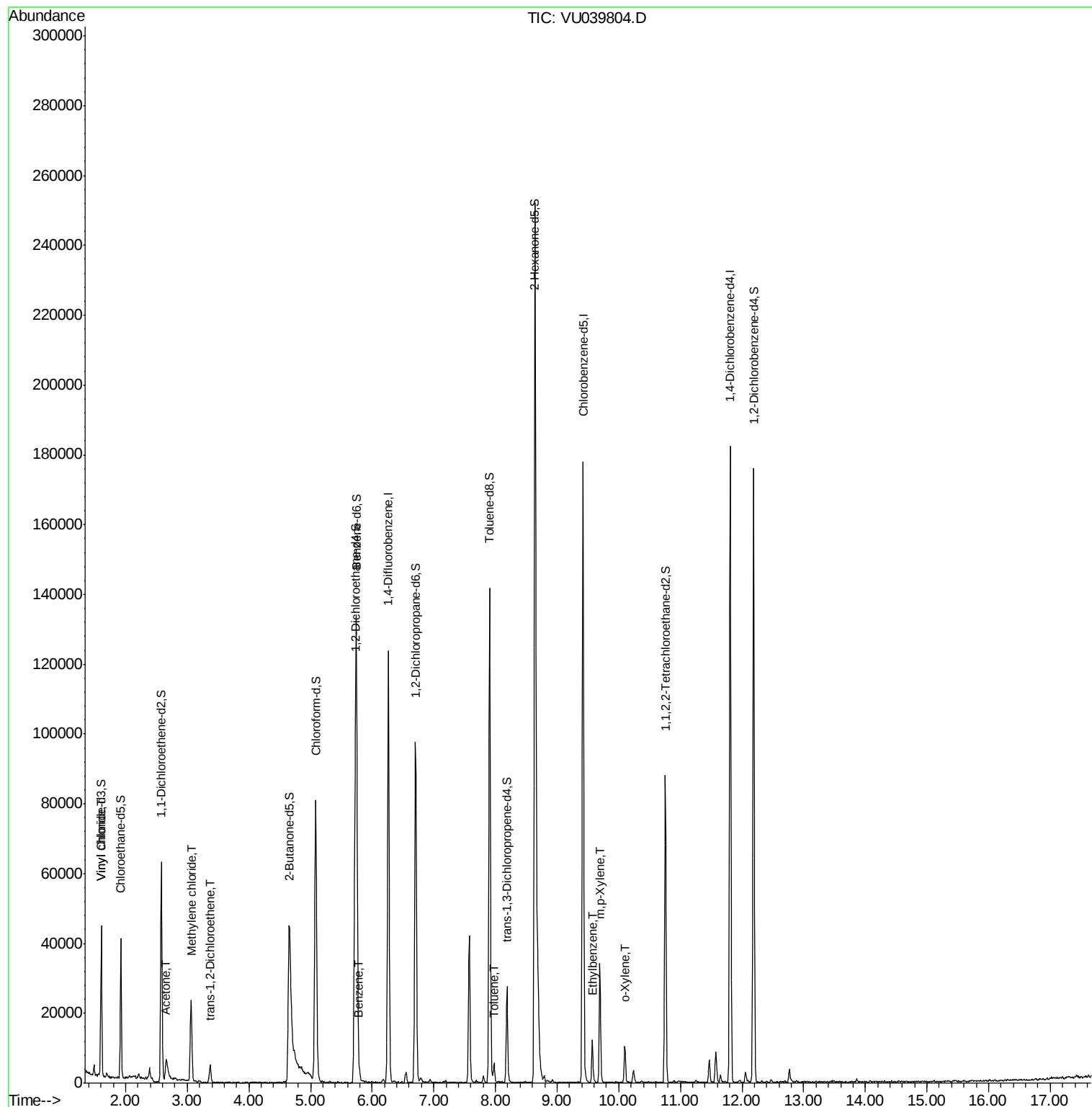
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	3965	0.507	ug/L	88
13) Acetone	2.66	43	13682	10.156	ug/L	97
16) Methylene chloride	3.06	84	10279	1.111	ug/L	97
18) trans-1,2-Dichloroethene	3.38	96	2435	0.381	ug/L	78
33) Benzene	5.79	78	2697	0.103	ug/L	100
42) Toluene	7.98	91	3625	0.132	ug/L	91
52) Ethylbenzene	9.57	91	9116	0.297	ug/L	95
53) m,p-Xylene	9.70	106	9493	0.813	ug/L	93
54) o-Xylene	10.10	106	2592	0.227	ug/L	99

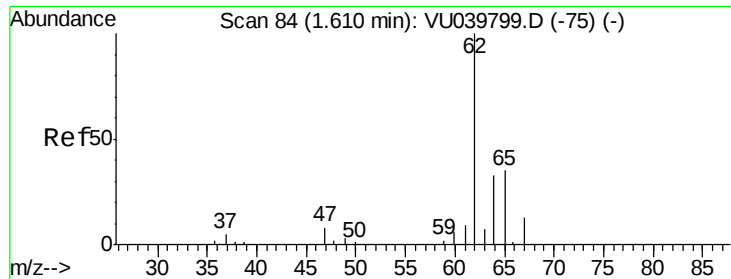
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.507 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

Instrument :

MSVOA_U

ClientSampled :

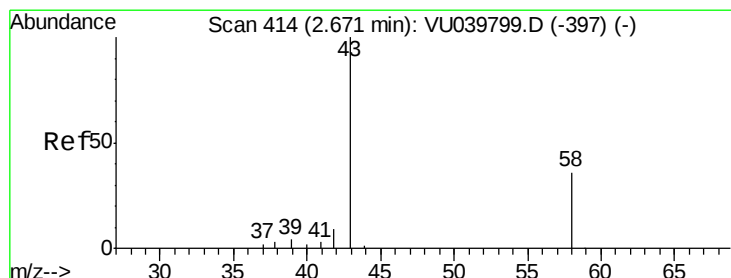
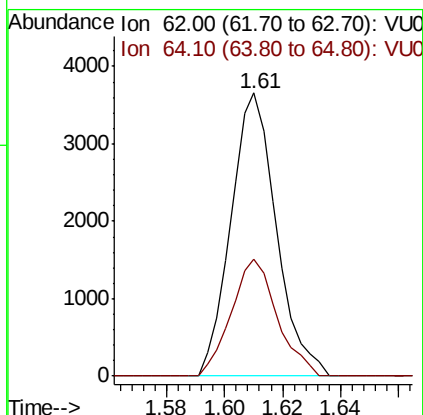
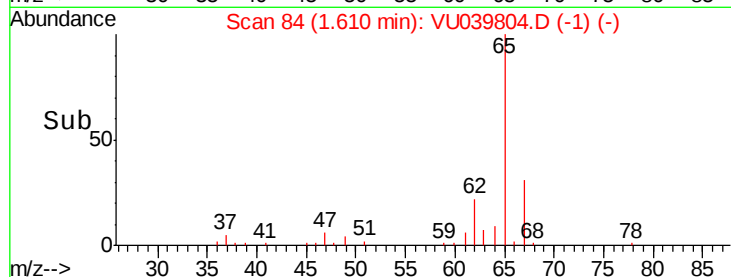
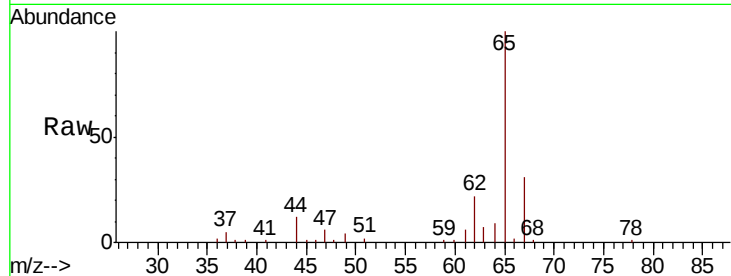
F4L23

Tot Ion: 62 Resp: 3965

Ion Ratio Lower Upper

62 100

64 41.1 24.1 44.7



#13

Acetone

Concen: 10.156 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU039804.D

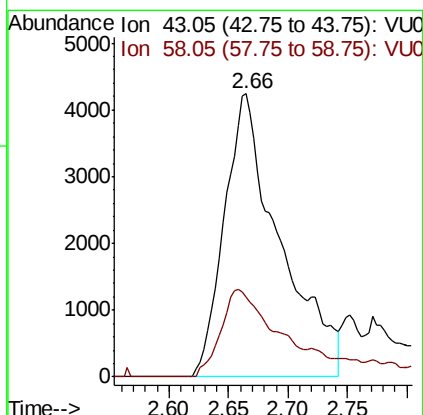
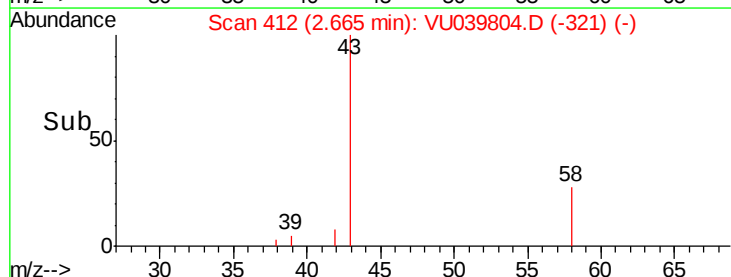
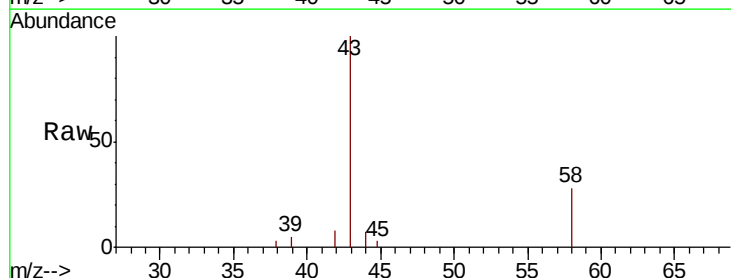
Acq: 08 Aug 2020 12:08

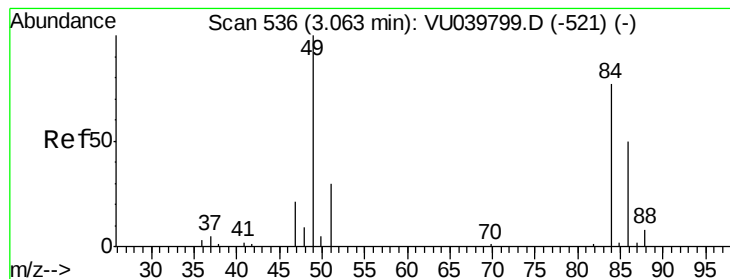
Tgt Ion: 43 Resp: 13682

Ion Ratio Lower Upper

43 100

58 29.2 0.0 61.8





#16

Methylene chloride

Concen: 1.111 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

F4L23

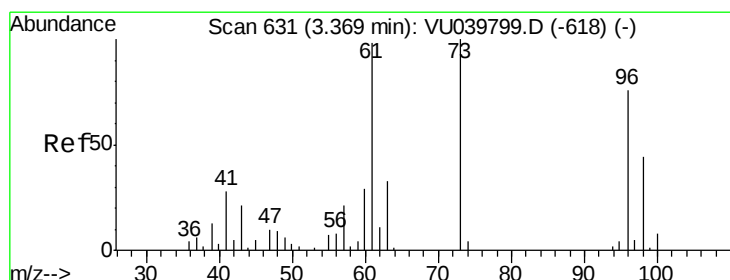
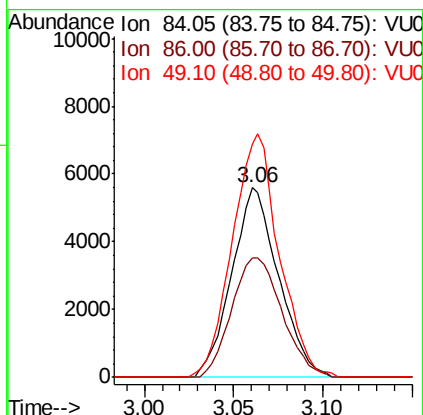
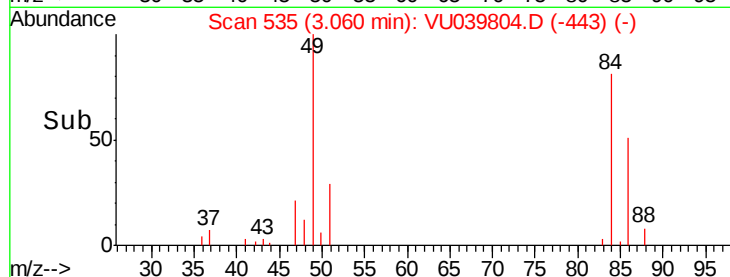
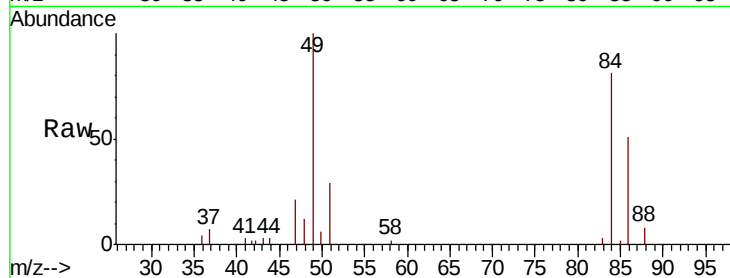
Tot Ion: 84 Resp: 10279

Ion Ratio Lower Upper

84 100

86 63.3 43.9 81.5

49 130.6 94.4 175.4



#18

trans-1,2-Dichloroethene

Concen: 0.381 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.01 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

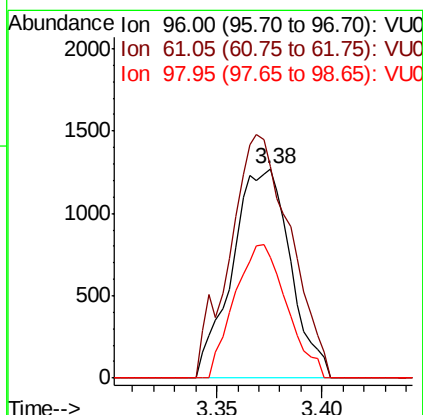
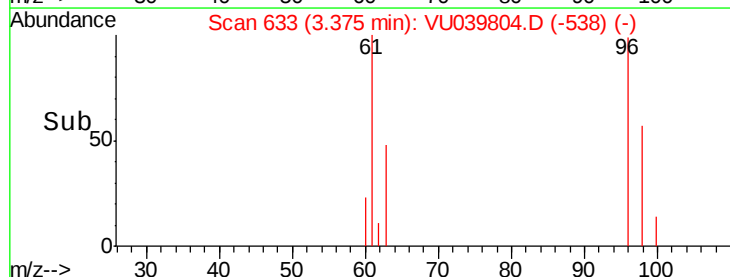
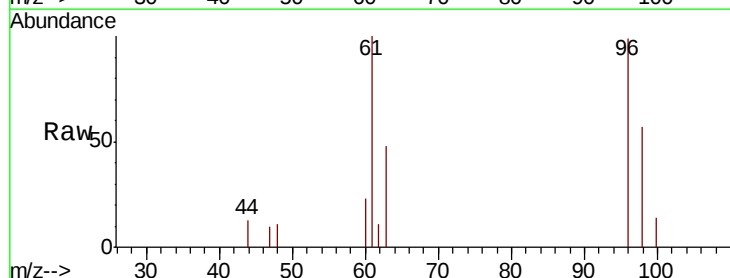
Tgt Ion: 96 Resp: 2435

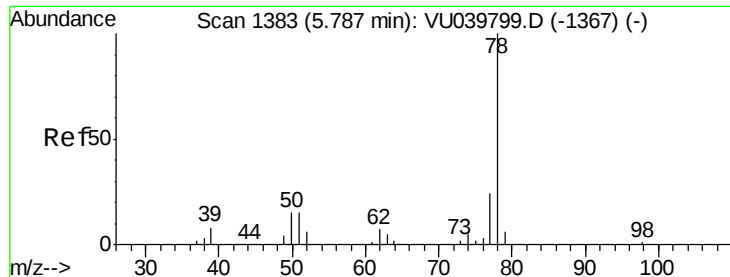
Ion Ratio Lower Upper

96 100

61 100.9 96.5 179.1

98 57.5 40.9 76.0





#33

Benzene

Concen: 0.103 ug/L

RT: 5.79 min Scan# 1385

Delta R.T. 0.01 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

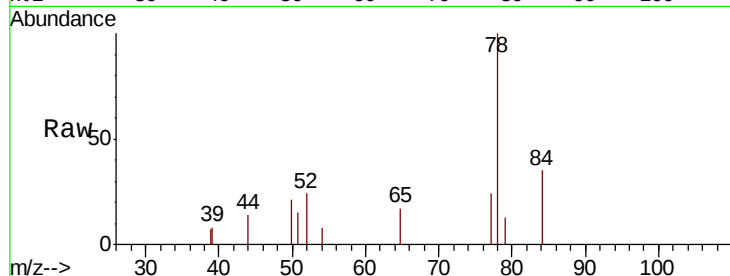
Instrument :

MSVOA_U

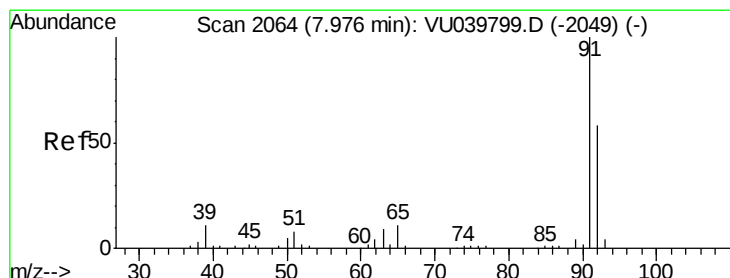
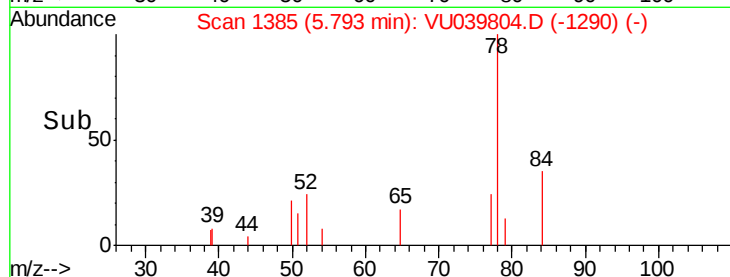
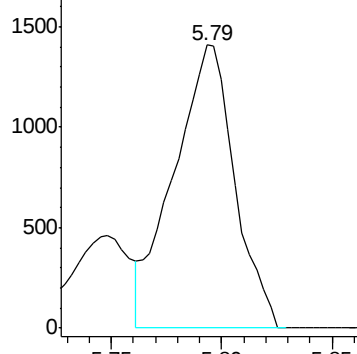
ClientSampleId :

F4L23

Tgt Ion: 78 Resp: 2697



Abundance Ion 78.10 (77.80 to 78.80): VU0



#42

Toluene

Concen: 0.132 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039804.D

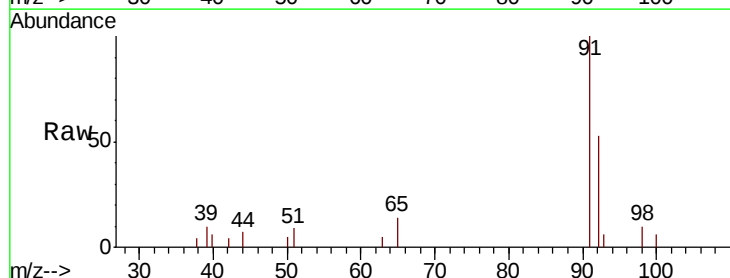
Acq: 08 Aug 2020 12:08

Tgt Ion: 91 Resp: 3625

Ion Ratio Lower Upper

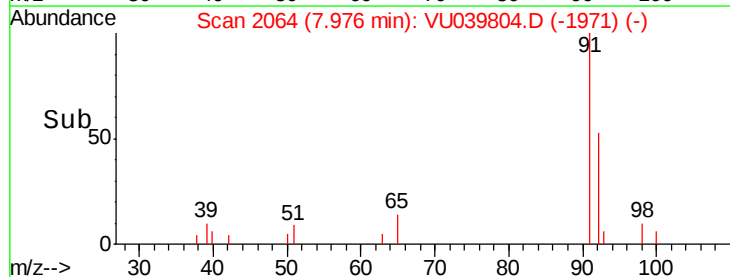
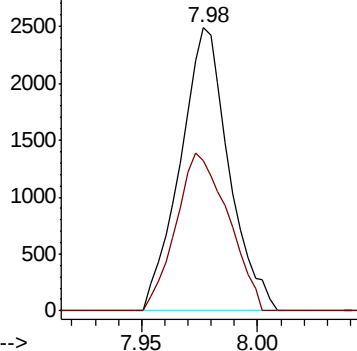
91 100

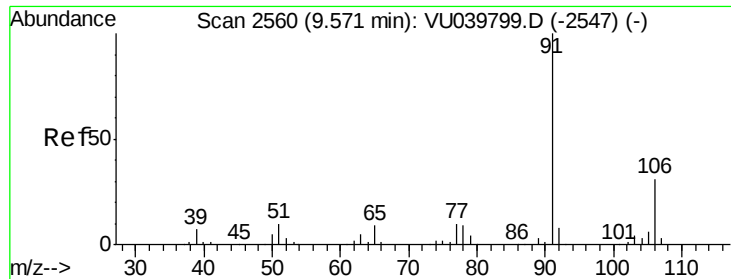
92 53.0 41.6 77.3



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#52

Ethylbenzene

Concen: 0.297 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039804.D

Acq: 08 Aug 2020 12:08

Instrument :

MSVOA_U

ClientSampleId :

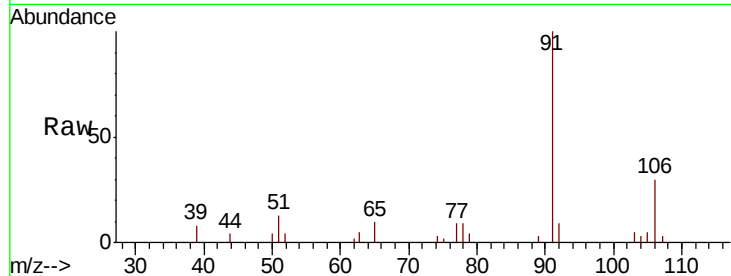
F4L23

Tot Ion: 91 Resp: 9116

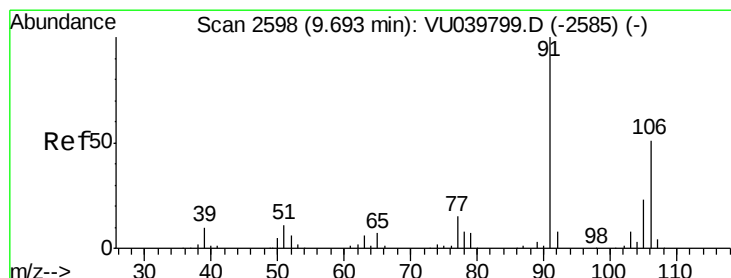
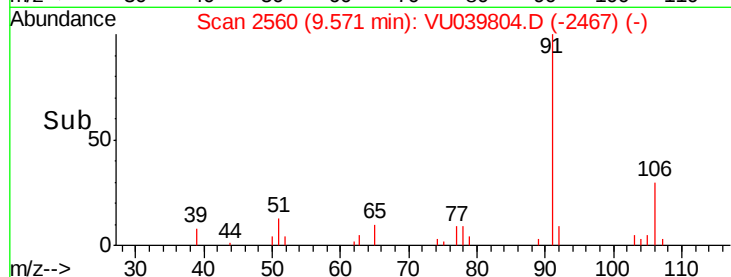
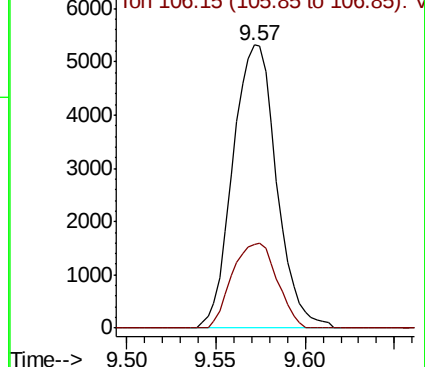
Ion Ratio Lower Upper

91 100

106 29.7 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039799.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.813 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039804.D

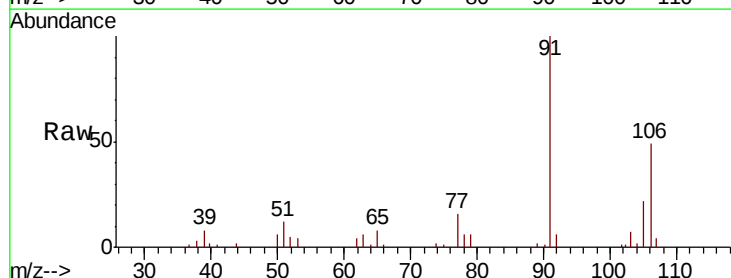
Acq: 08 Aug 2020 12:08

Tgt Ion: 106 Resp: 9493

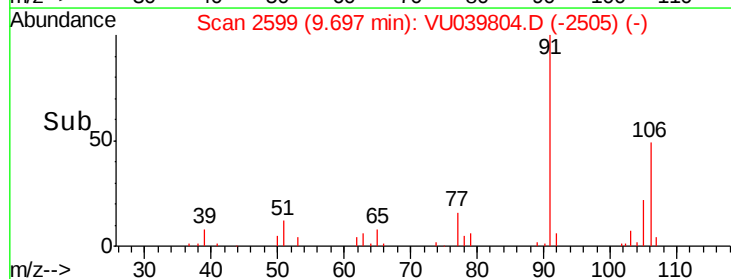
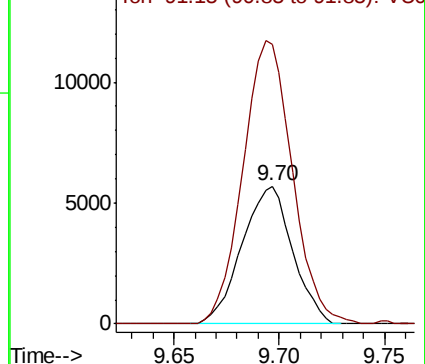
Ion Ratio Lower Upper

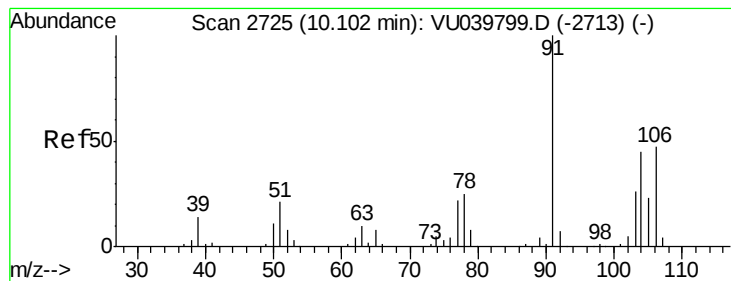
106 100

91 203.6 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039799.D (-2585) (-)





#54
 o-Xylene
 Concen: 0.227 ug/L
 RT: 10.10 min Scan# 2725
 Delta R.T. -0.00 min
 Lab File: VU039804.D
 Acq: 08 Aug 2020 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 F4L23

Tot Ion:106 Resp: 2592
 Ion Ratio Lower Upper
 106 100
 91 202.9 140.8 261.6

