

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081420\
 Data File : VU039865.D
 Acq On : 14 Aug 2020 17:44
 Operator : SY/MD
 Sample : L3517-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 17 05:25:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 17 05:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	78299	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	77381	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	37360	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17349	4.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.00%
7) Chloroethane-d5	1.92	69	18099	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.20%
11) 1,1-Dichloroethene-d2	2.58	63	26032	3.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.20%
20) 2-Butanone-d5	4.67	46	72783	39.14	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.28%
24) Chloroform-d	5.08	84	43873	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.72	65	26044	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
32) Benzene-d6	5.74	84	78169	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
36) 1,2-Dichloropropane-d6	6.70	67	27321	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	7.91	98	63896	3.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.20%
43) trans-1,3-Dichloropropene-	8.19	79	10689	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	8.64	63	56549	43.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.46%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	25186	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	30276	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

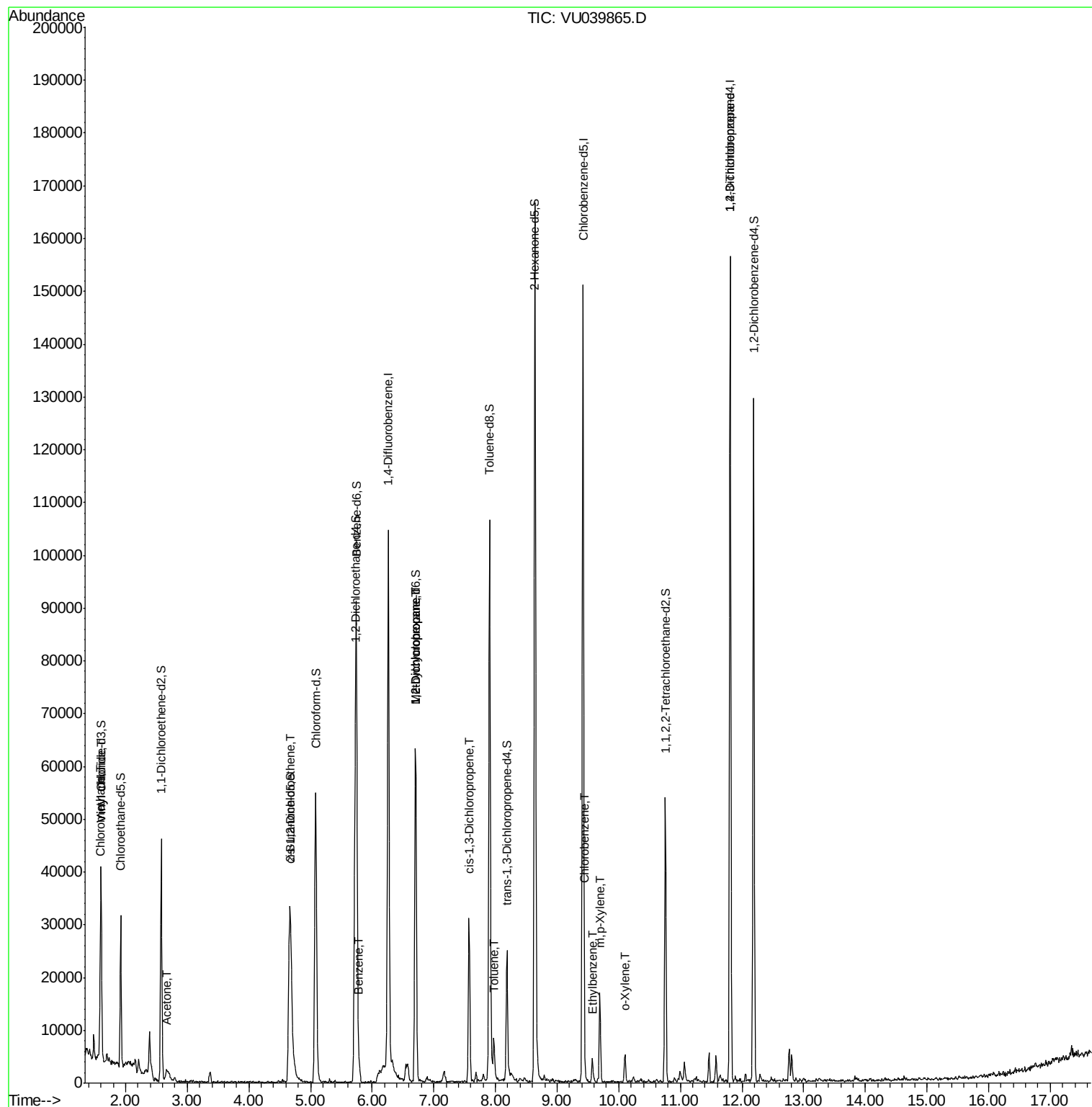
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.59	50	666	0.100	ug/L	84
5) Vinyl chloride	1.61	62	4214	0.662	ug/L	99
13) Acetone	2.67	43	2253	2.055	ug/L	70
22) cis-1,2-Dichloroethene	4.68	96	1146	0.203	ug/L	86
33) Benzene	5.78	78	3668	0.174	ug/L	100
35) Methylcyclohexane	6.70	83	6380	0.730	ug/L #	20
37) 1,2-Dichloropropane	6.70	63	3259	0.582	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	769	0.101	ug/L #	66
42) Toluene	7.97	91	4134	0.187	ug/L	92
51) Chlorobenzene	9.45	112	1240	0.083	ug/L #	92
52) Ethylbenzene	9.58	91	3627	0.146	ug/L	100
53) m,p-Xylene	9.69	106	4436	0.470	ug/L	94
54) o-Xylene	10.10	106	1518	0.164	ug/L	93
59) 1,2,3-Trichloropropane	11.81	75	5543	1.372	ug/L	91

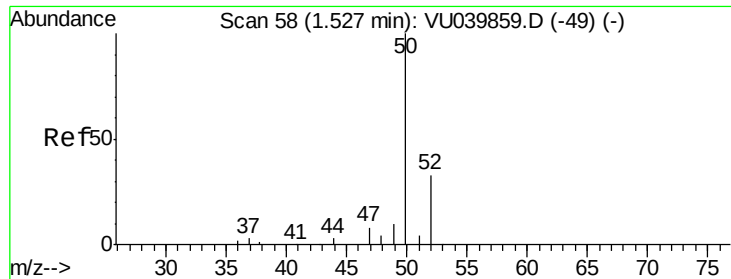
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.100 ug/L

RT: 1.59 min Scan# 77

Delta R.T. 0.06 min

Lab File: VU039865.D

Acq: 14 Aug 2020 17:44

Instrument :

MSVOA_U

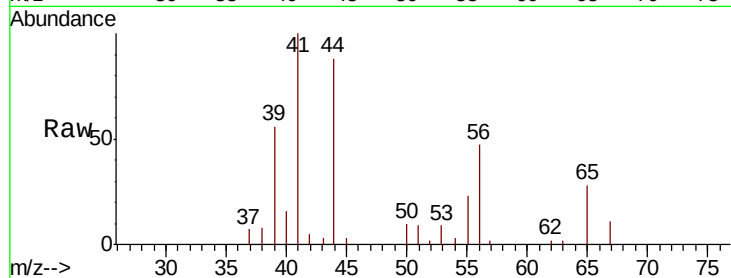
ClientSampleId :

Tot Ion: 50 Resp: 666

Ion Ratio Lower Upper

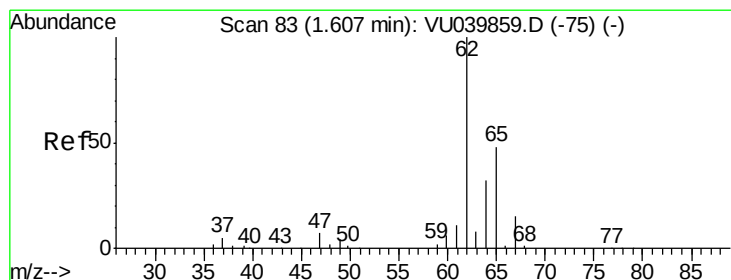
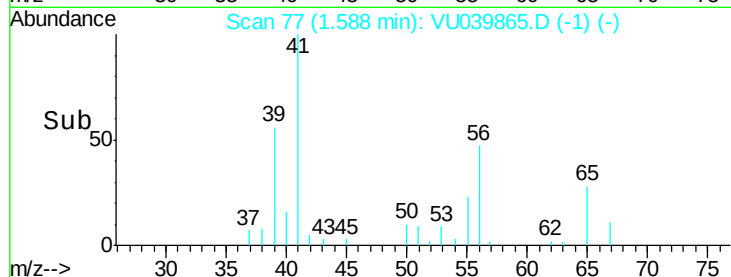
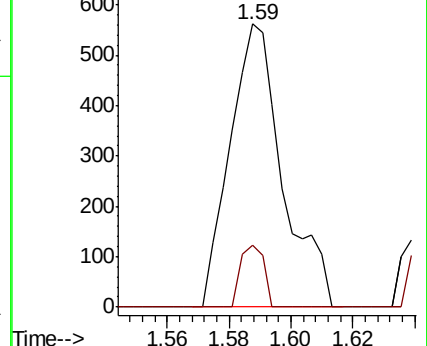
50 100

52 22.1 21.6 40.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 0.662 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039865.D

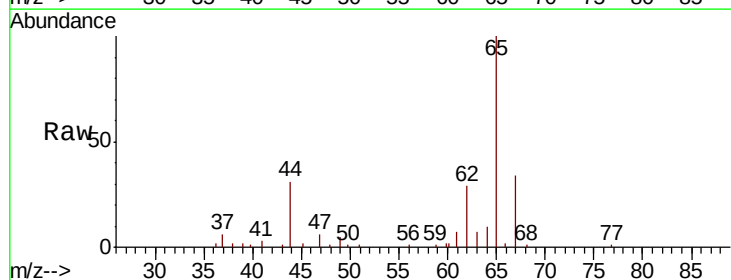
Acq: 14 Aug 2020 17:44

Tgt Ion: 62 Resp: 4214

Ion Ratio Lower Upper

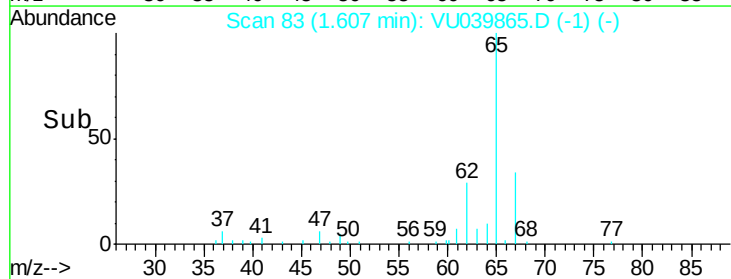
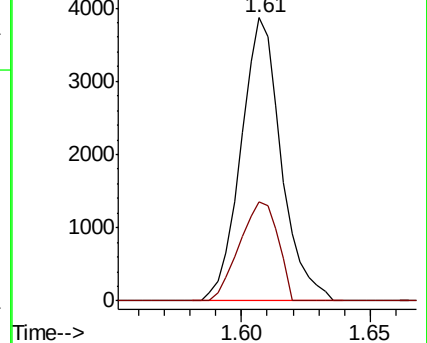
62 100

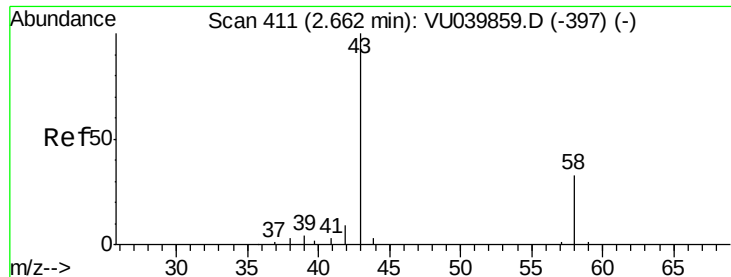
64 35.0 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#13

Acetone

Concen: 2.055 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU039865.D

Acq: 14 Aug 2020 17:44

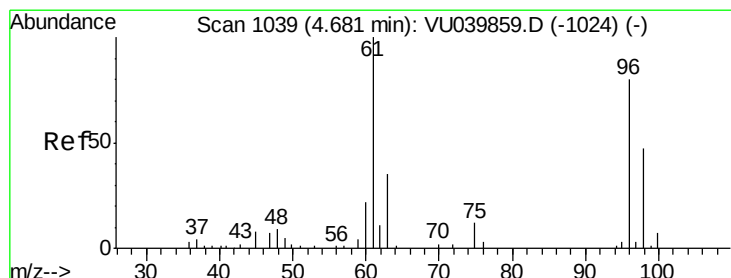
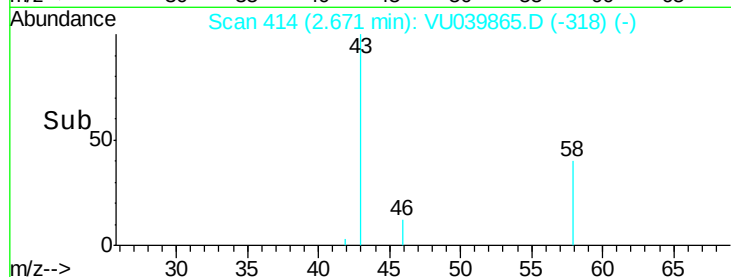
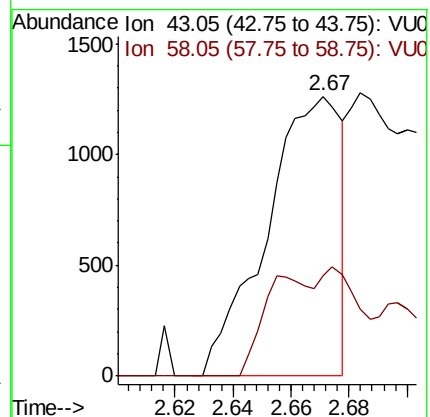
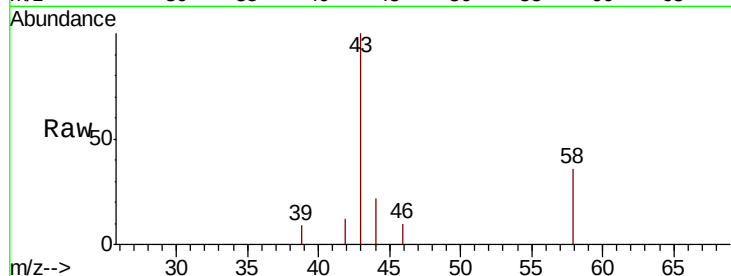
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 2253

Ion Ratio Lower Upper

43 100

58 14.5 0.0 61.8



#22

cis-1,2-Dichloroethene

Concen: 0.203 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU039865.D

Acq: 14 Aug 2020 17:44

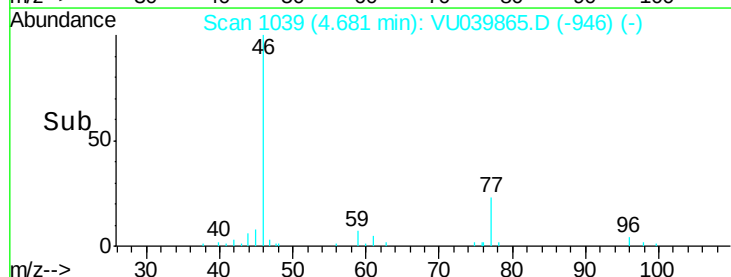
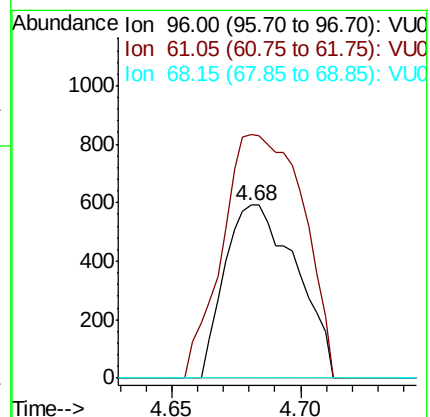
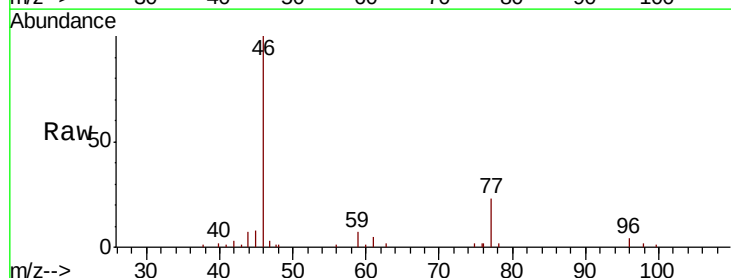
Tgt Ion: 96 Resp: 1146

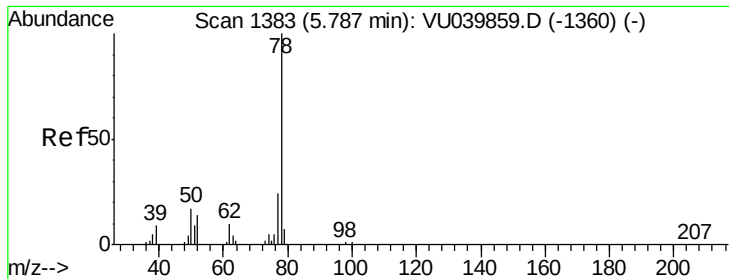
Ion Ratio Lower Upper

96 100

61 140.7 87.4 162.2

68 0.0 0.0 0.0





#33

Benzene

Concen: 0.174 ug/L

RT: 5.78 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VU039865.D

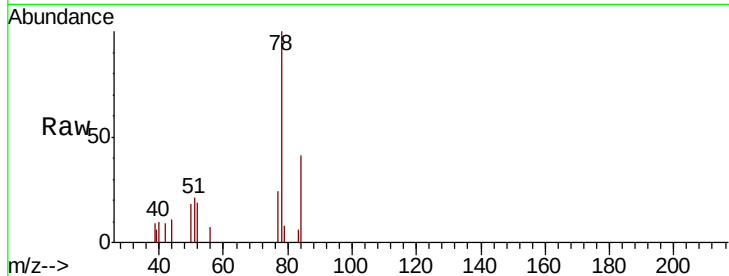
Acq: 14 Aug 2020 17:44

Instrument :

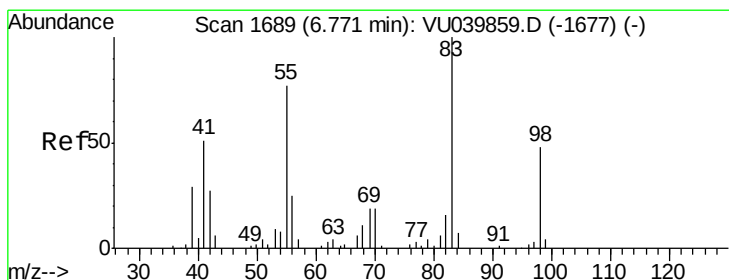
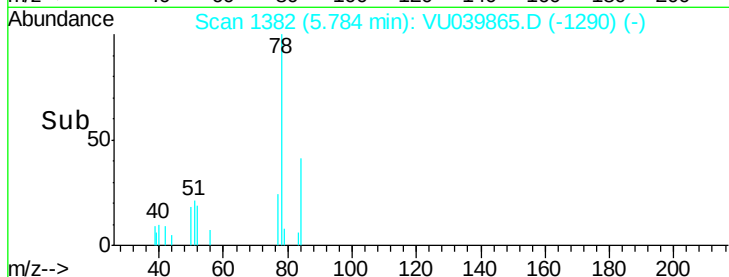
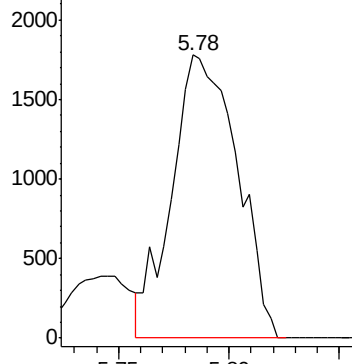
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 3668



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.730 ug/L

RT: 6.70 min Scan# 1667

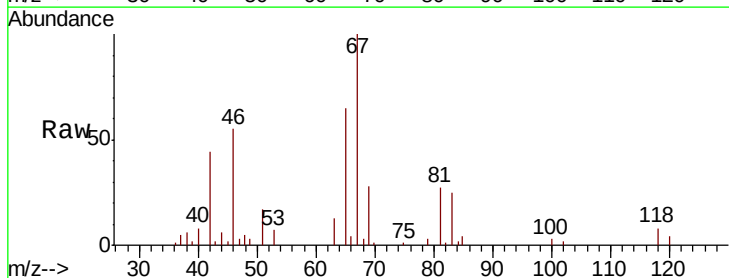
Delta R.T. -0.07 min

Lab File: VU039865.D

Acq: 14 Aug 2020 17:44

Tgt Ion: 83 Resp: 6380

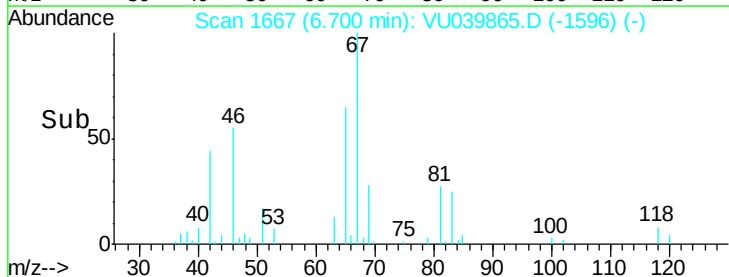
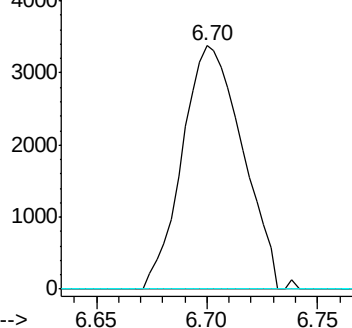
Ion	Ratio	Lower	Upper
83	100		
55	0.0	59.4	89.0#
98	2.1	39.0	58.4#

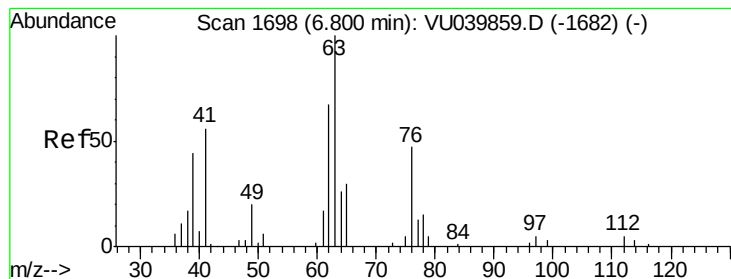


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.582 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU039865.D

Acq: 14 Aug 2020 17:44

Instrument :

MSVOA_U

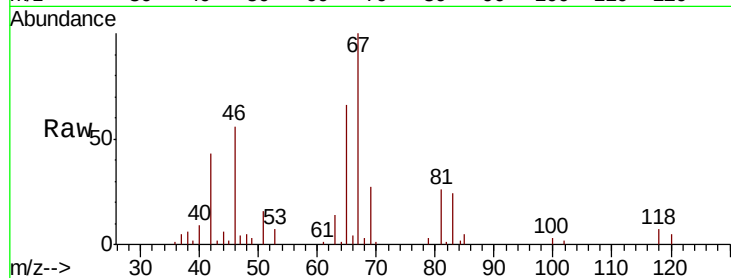
ClientSampleId :

Tot Ion: 63 Resp: 3259

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU039865.D (-1668) (-)

Ion 112.10 (111.80 to 112.80): VU039865.D (-1668) (-)

6.70

2000

1500

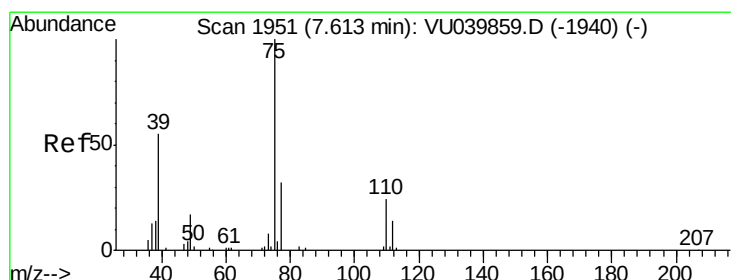
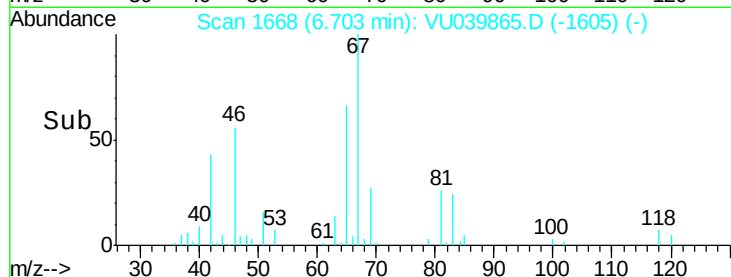
1000

500

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.101 ug/L

RT: 7.57 min Scan# 1937

Delta R.T. -0.05 min

Lab File: VU039865.D

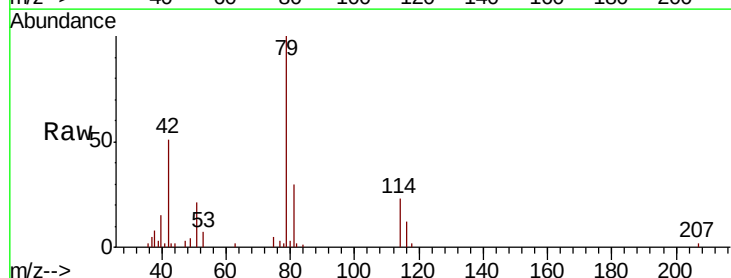
Acq: 14 Aug 2020 17:44

Tgt Ion: 75 Resp: 769

Ion Ratio Lower Upper

75 100

77 51.0 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU039865.D (-1858) (-)

Ion 77.05 (76.75 to 77.75): VU039865.D (-1858) (-)

7.57

500

400

300

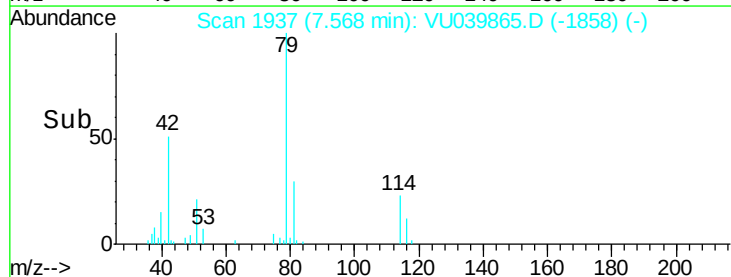
200

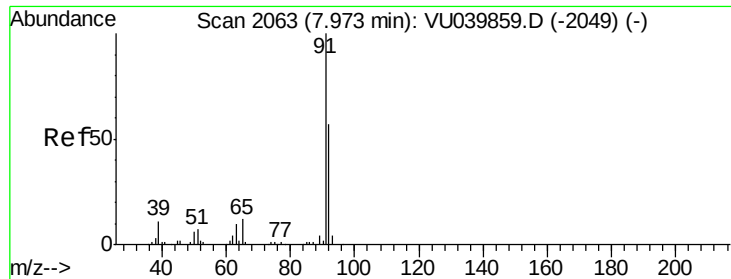
100

0

7.54 7.56 7.58 7.60

Time-->





#42

Toluene

Concen: 0.187 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU039865.D

Acq: 14 Aug 2020 17:44

Instrument :

MSVOA_U

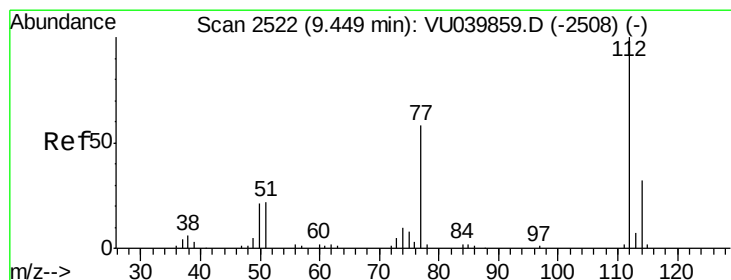
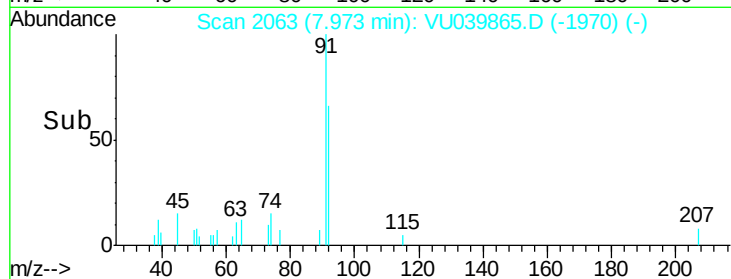
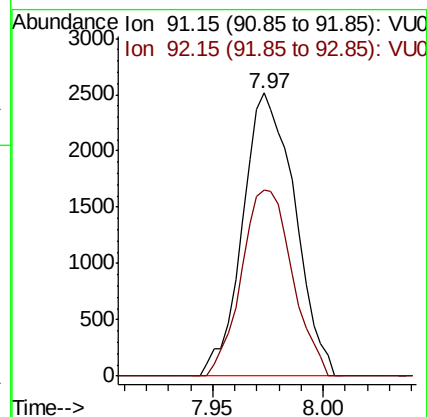
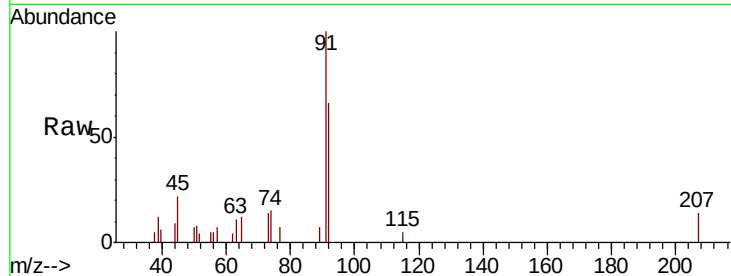
ClientSampleId :

Tot Ion: 91 Resp: 4134

Ion Ratio Lower Upper

91 100

92 65.9 41.6 77.3



#51

Chlorobenzene

Concen: 0.083 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039865.D

Acq: 14 Aug 2020 17:44

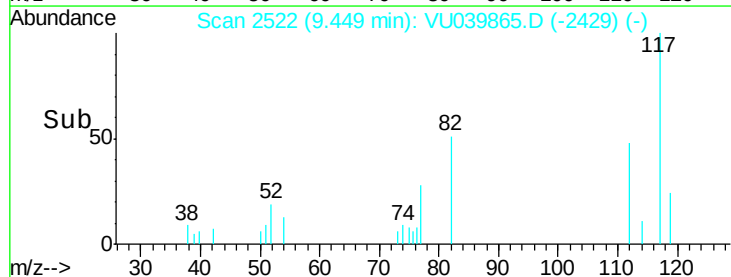
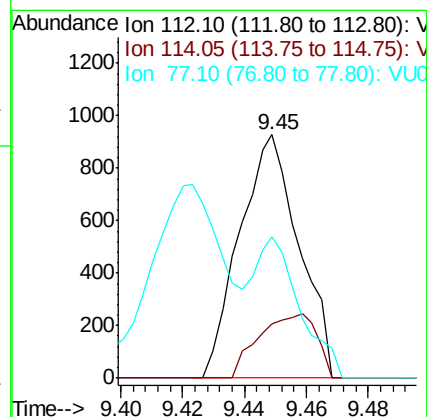
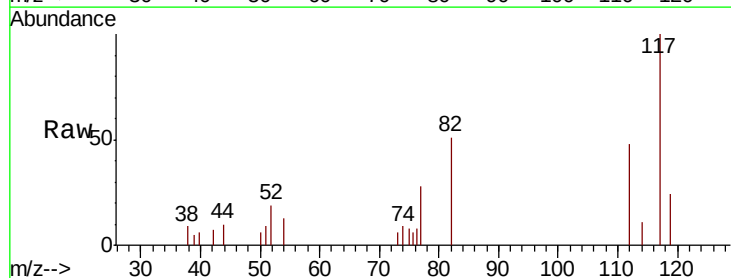
Tgt Ion: 112 Resp: 1240

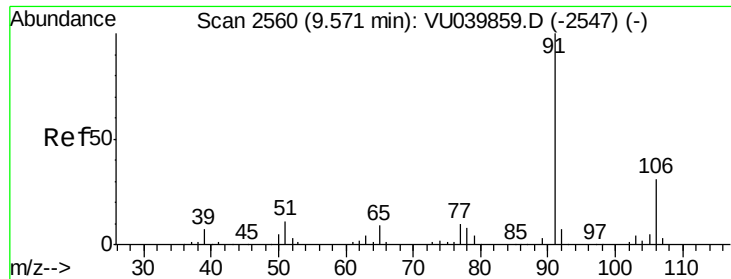
Ion Ratio Lower Upper

112 100

114 22.4 23.2 43.0#

77 58.2 47.8 71.6





#52

Ethylbenzene

Concen: 0.146 ug/L

RT: 9.58 min Scan# 2562

Delta R.T. 0.01 min

Lab File: VU039865.D

Acq: 14 Aug 2020 17:44

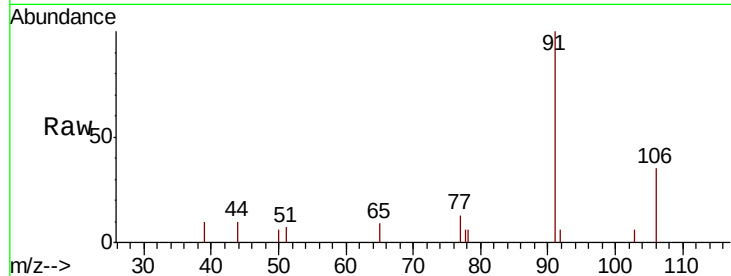
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 3627

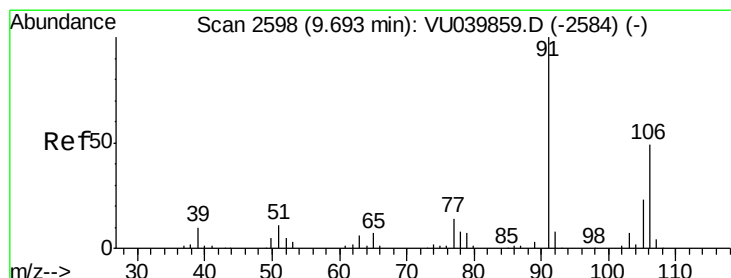
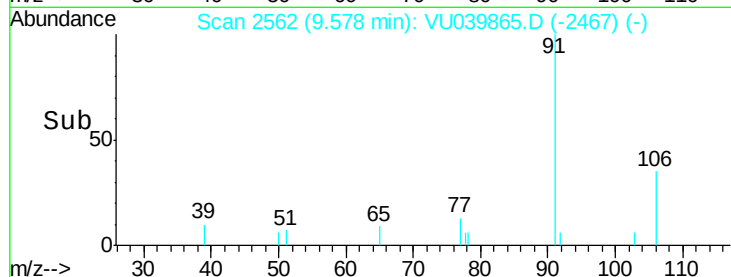
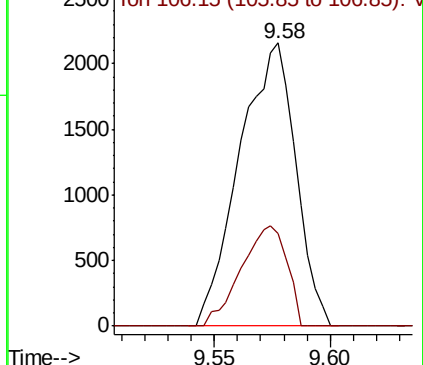
Ion Ratio Lower Upper

91 100

106 32.6 22.8 42.4



Abundance Ion 91.15 (90.85 to 91.85): VU039859.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.470 ug/L

RT: 9.69 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VU039865.D

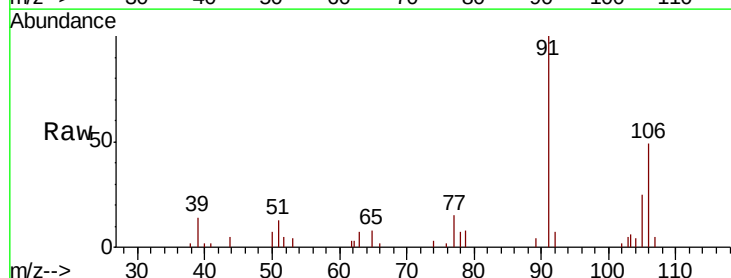
Acq: 14 Aug 2020 17:44

Tgt Ion: 106 Resp: 4436

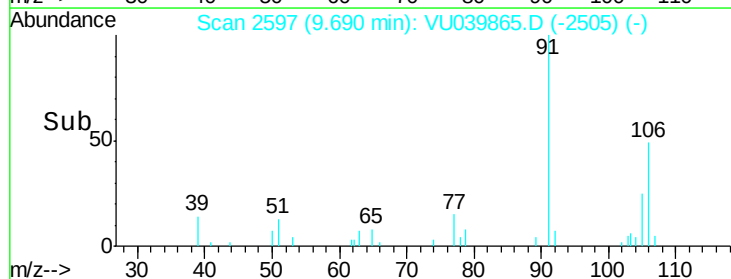
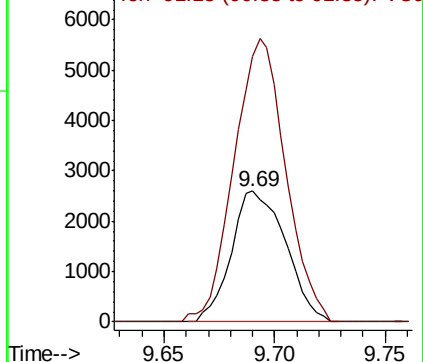
Ion Ratio Lower Upper

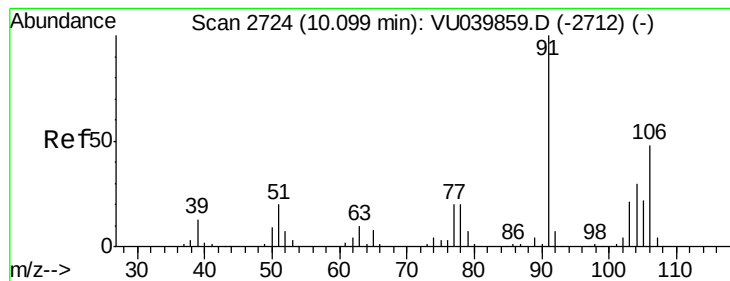
106 100

91 202.4 135.5 251.7



Abundance Ion 106.15 (105.85 to 106.85): VU039859.D (-2584) (-)





#54

o-Xylene

Concen: 0.164 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039865.D

Acq: 14 Aug 2020 17:44

Instrument :

MSVOA_U

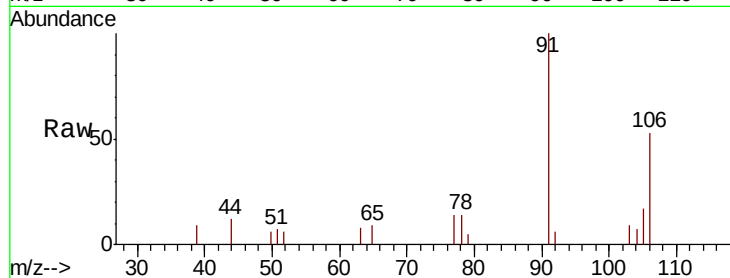
ClientSampled :

Tot Ion:106 Resp: 1518

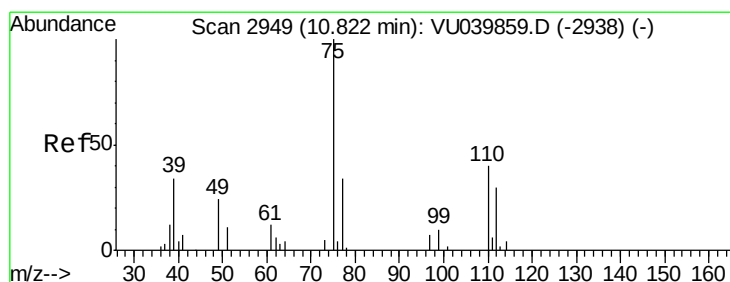
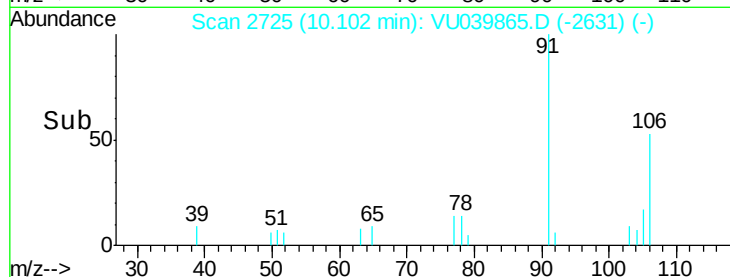
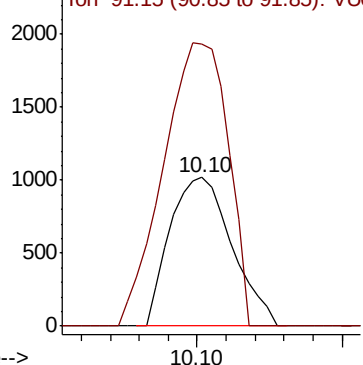
Ion Ratio Lower Upper

106 100

91 190.2 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): VU039865.D (-2631) (-)



#59

1,2,3-Trichloropropane

Concen: 1.372 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039865.D

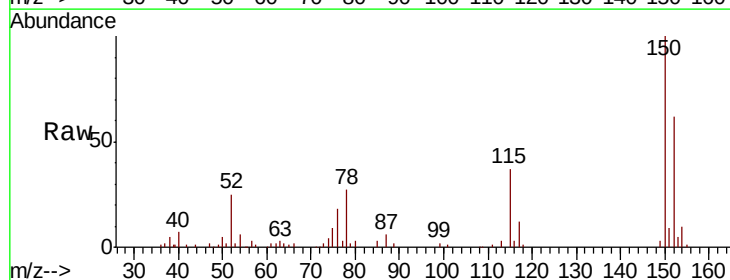
Acq: 14 Aug 2020 17:44

Tgt Ion: 75 Resp: 5543

Ion Ratio Lower Upper

75 100

77 36.0 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VU039865.D (-2327) (-)

