

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050718\
 Data File : VU023715.D
 Acq On : 07 May 2018 15:02
 Operator : MD/SY
 Sample : J2725-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 08 04:49:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 08 04:32:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	353954	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	339224	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	185964	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	93727	37.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.72%
7) Chloroethane-d5	1.68	69	80219	41.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.90%
11) 1,1-Dichloroethene-d2	2.27	63	142565	29.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.30%#
21) 2-Butanone-d5	4.18	46	269761	155.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	155.64%#
24) Chloroform-d	4.65	84	186658	44.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.98%
26) 1,2-Dichloroethane-d4	5.32	65	131650	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
32) Benzene-d6	5.35	84	403755	44.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.72%
36) 1,2-Dichloropropane-d6	6.34	67	137588	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.26%
41) Toluene-d8	7.57	98	364443	43.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.86%
43) trans-1,3-Dichloropropene-	7.85	79	57077	43.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.98%
47) 2-Hexanone-d5	8.31	63	204122	176.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	176.32%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	207090	52.52	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.04%
64) 1,2-Dichlorobenzene-d4	11.87	152	162159	44.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.40%

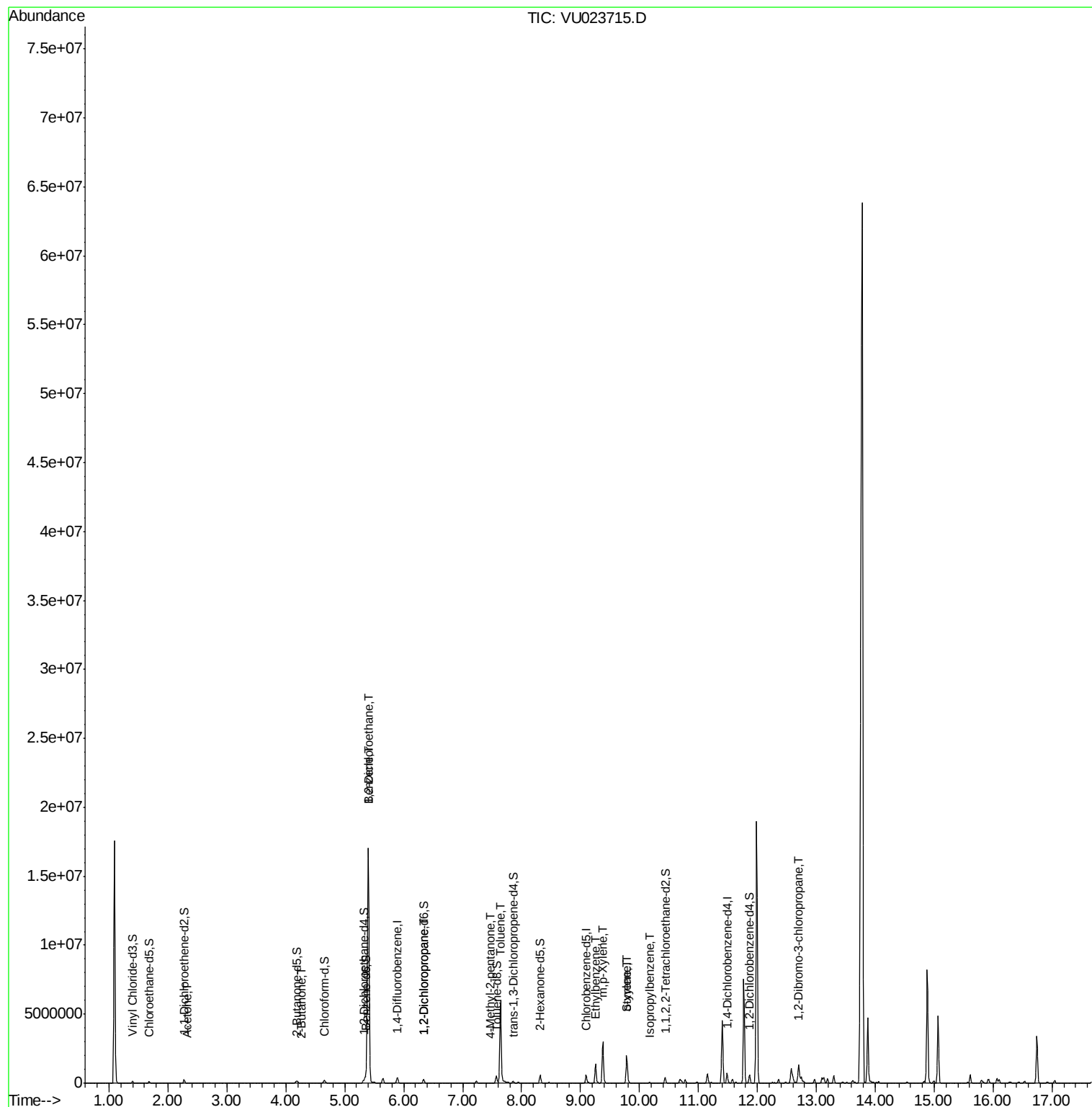
Target Compounds

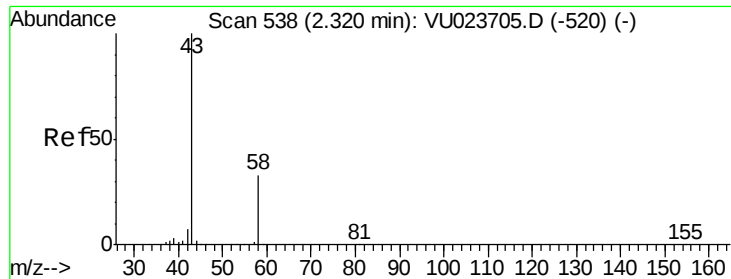
						Qvalue
13) Acetone	2.32	43	16625	6.46	ug/L	98
22) 2-Butanone	4.27	43	3505	1.22	ug/L	87
27) 1,2-Dichloroethane	5.40	62	140814	33.01	ug/L #	75
33) Benzene	5.40	78	16611101	1389.61	ug/L	100
37) 1,2-Dichloropropane	6.34	63	14209	4.15	ug/L #	88
40) 4-Methyl-2-pentanone	7.47	43	7735	1.85	ug/L	98
42) Toluene	7.64	91	4570361	368.88	ug/L	99
52) Ethylbenzene	9.26	91	1020420	75.98	ug/L	100
53) m,p-Xylene	9.38	106	851195	166.16	ug/L	98
54) o-xylene	9.78	106	501654	103.36	ug/L	100
55) Styrene	9.80	104	169582	19.97	ug/L #	77
56) Isopropylbenzene	10.17	105	33187	2.61	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.70	75	28122	28.23	ug/L #	1

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

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#13

Acetone

Concen: 6.46 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU023715.D

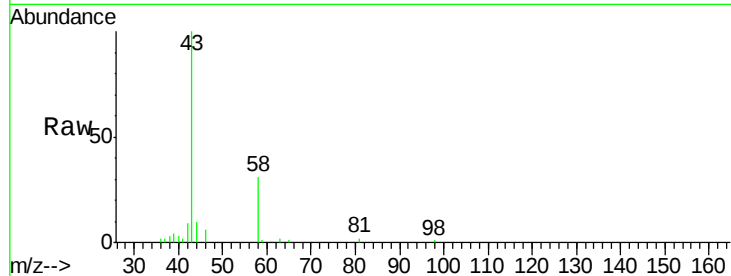
Acq: 07 May 2018 15:02

Tgt Ion: 43 Resp: 16625

Ion Ratio Lower Upper

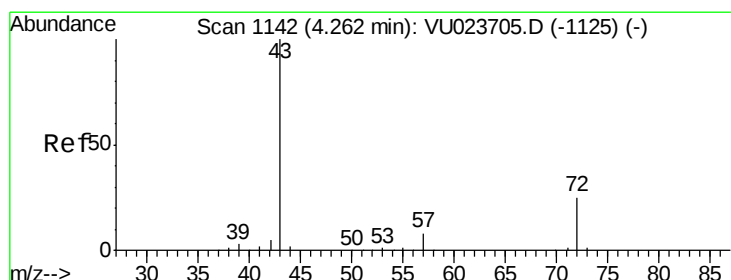
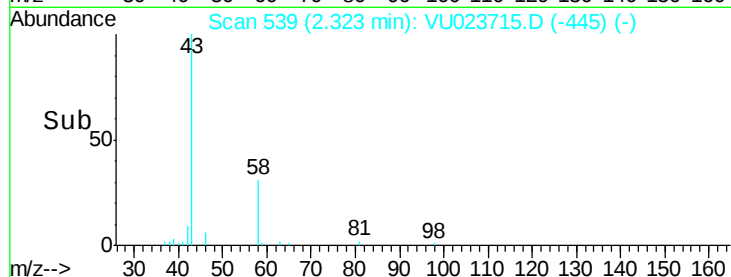
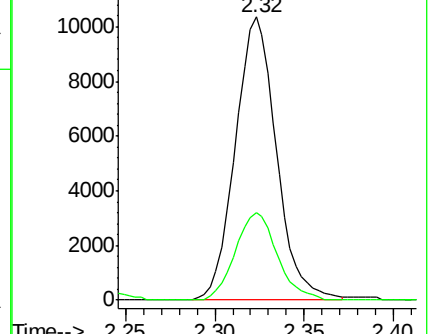
43 100

58 31.4 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#22

2-Butanone

Concen: 1.22 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU023715.D

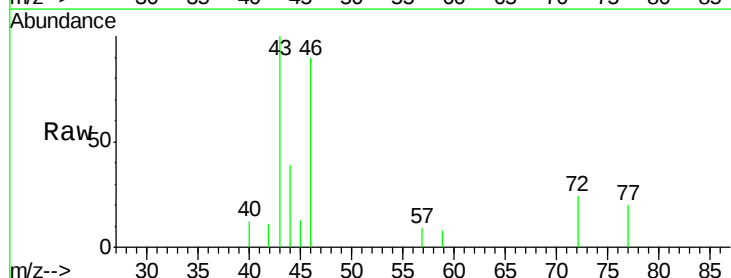
Acq: 07 May 2018 15:02

Tgt Ion: 43 Resp: 3505

Ion Ratio Lower Upper

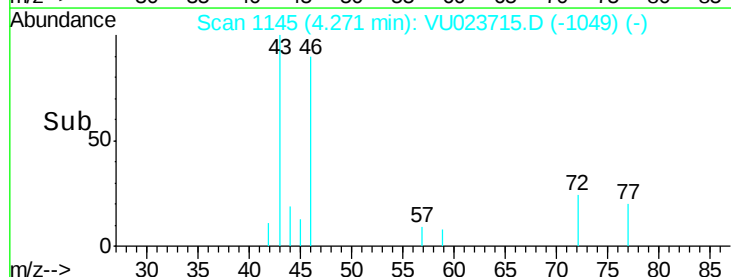
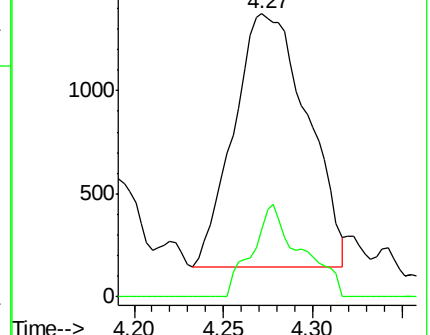
43 100

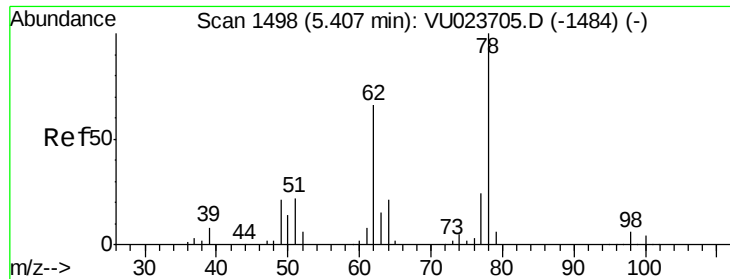
72 17.8 12.3 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#27

1,2-Dichloroethane

Concen: 33.01 ug/L

RT: 5.40 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VU023715.D

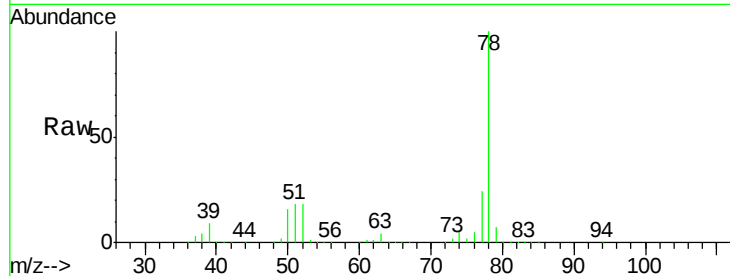
Acq: 07 May 2018 15:02

Tgt Ion: 62 Resp: 140814

Ion Ratio Lower Upper

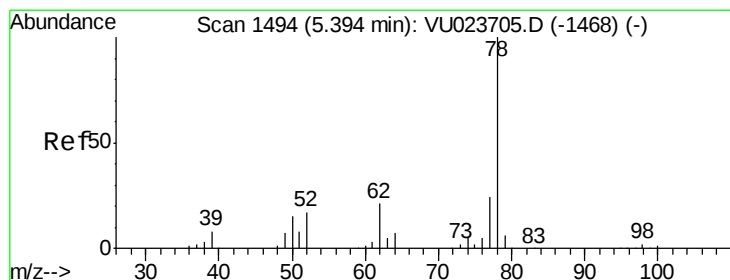
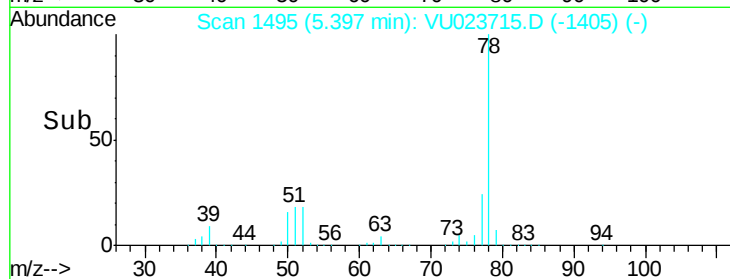
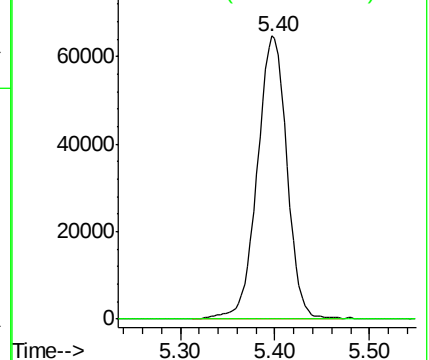
62 100

98 0.0 7.3 10.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#33

Benzene

Concen: 1389.61 ug/L

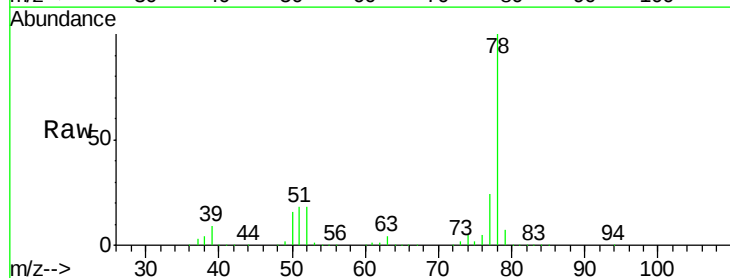
RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

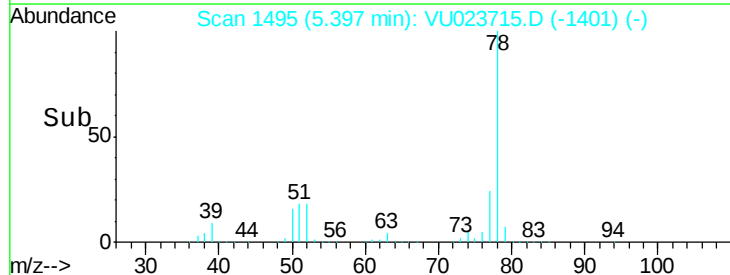
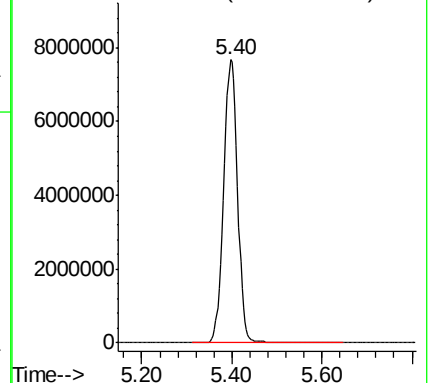
Lab File: VU023715.D

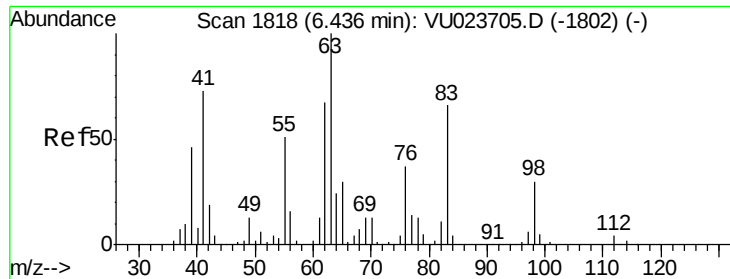
Acq: 07 May 2018 15:02

Tgt Ion: 78 Resp:16611101



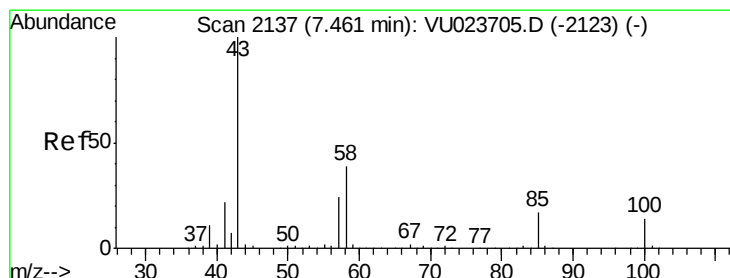
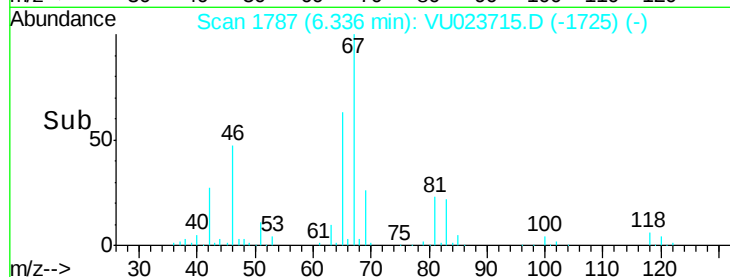
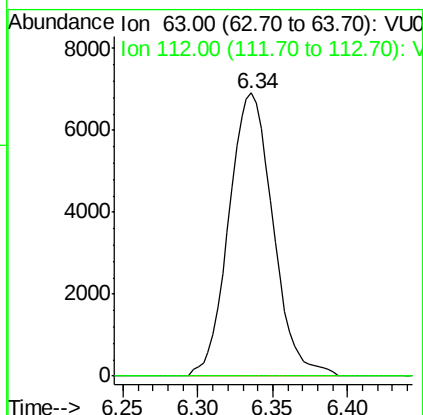
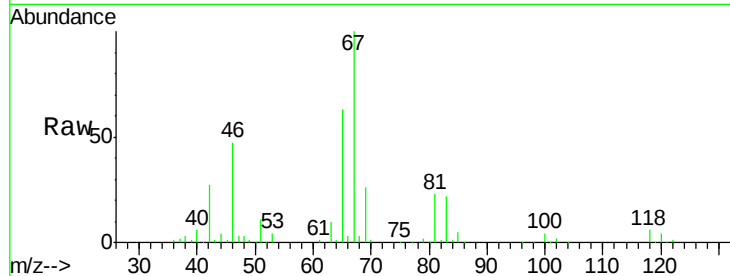
Abundance Ion 78.00 (77.70 to 78.70): VU0





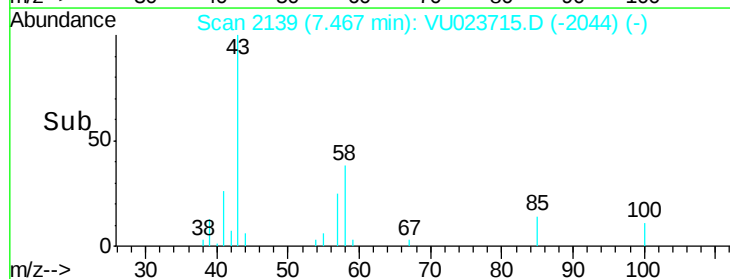
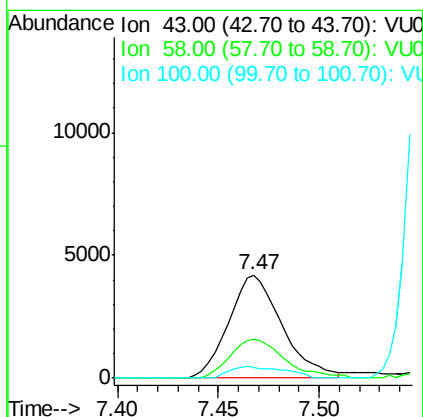
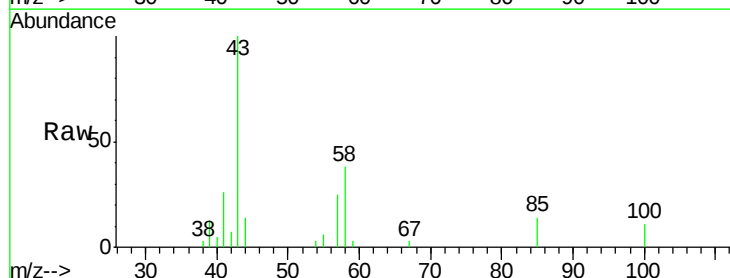
#37
 1,2-Dichloropropane
 Concen: 4.15 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU023715.D
 Acq: 07 May 2018 15:02

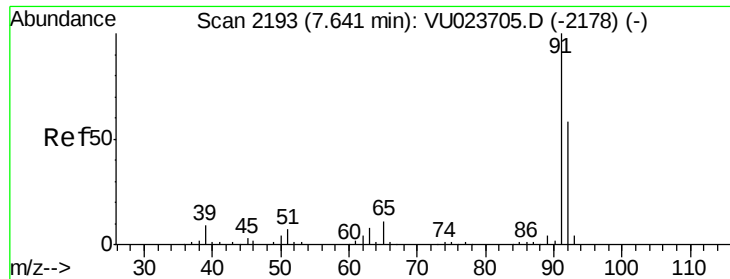
Tgt Ion: 63 Resp: 14209
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#40
 4-Methyl-2-pentanone
 Concen: 1.85 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.01 min
 Lab File: VU023715.D
 Acq: 07 May 2018 15:02

Tgt Ion: 43 Resp: 7735
 Ion Ratio Lower Upper
 43 100
 58 38.0 30.8 46.2
 100 11.6 10.7 16.1





#42

Toluene

Concen: 368.88 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023715.D

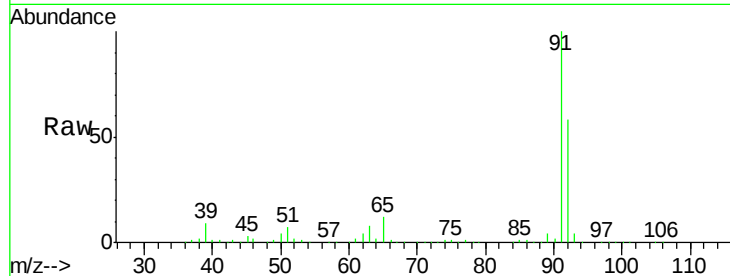
Acq: 07 May 2018 15:02

Tgt Ion: 91 Resp: 4570361

Ion Ratio Lower Upper

91 100

92 58.5 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

2500000

2000000

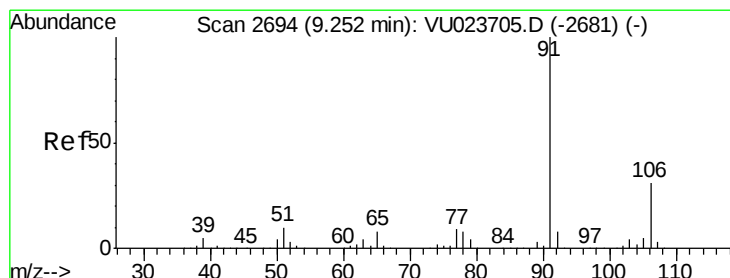
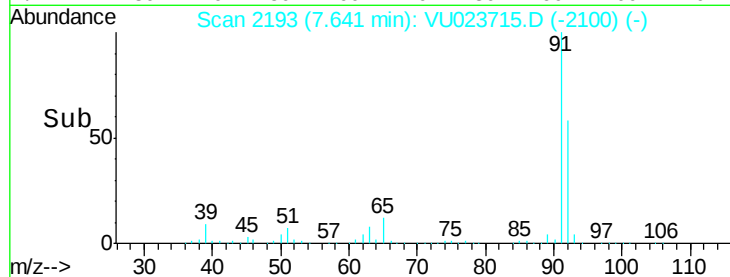
1500000

1000000

500000

0

Time-->



#52

Ethylbenzene

Concen: 75.98 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU023715.D

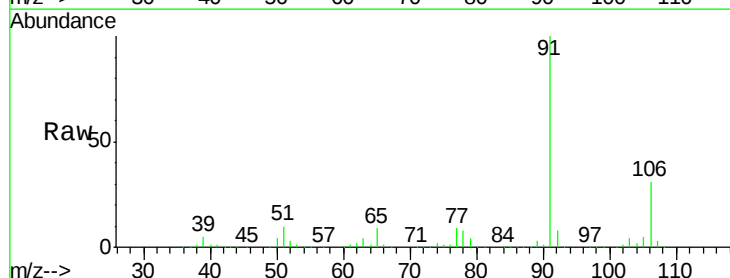
Acq: 07 May 2018 15:02

Tgt Ion: 91 Resp: 1020420

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

1200000

1000000

800000

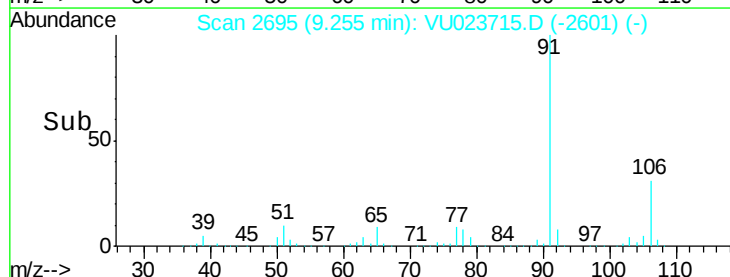
600000

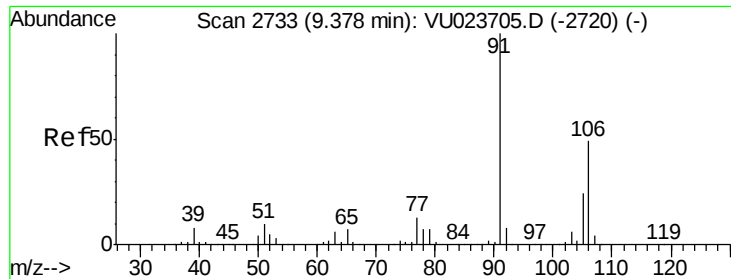
400000

200000

0

Time-->





#53

m,p-Xylene

Concen: 166.16 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU023715.D

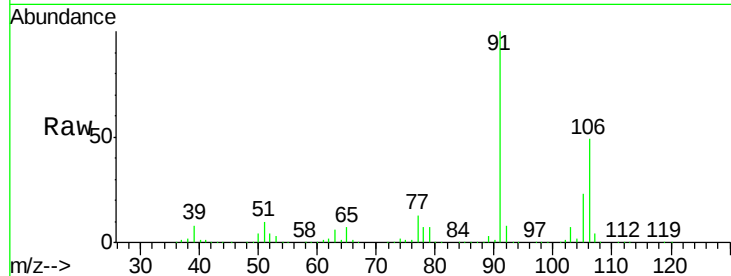
Acq: 07 May 2018 15:02

Tgt Ion:106 Resp: 851195

Ion Ratio Lower Upper

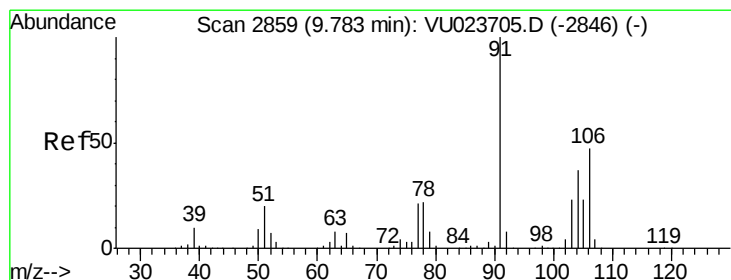
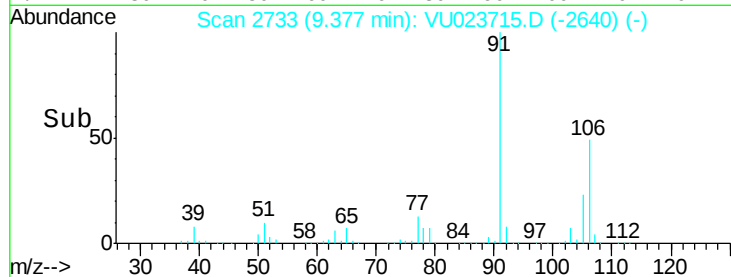
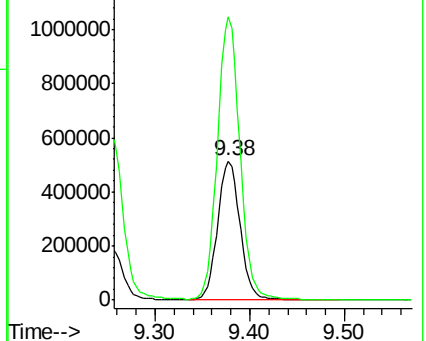
106 100

91 203.2 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 103.36 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU023715.D

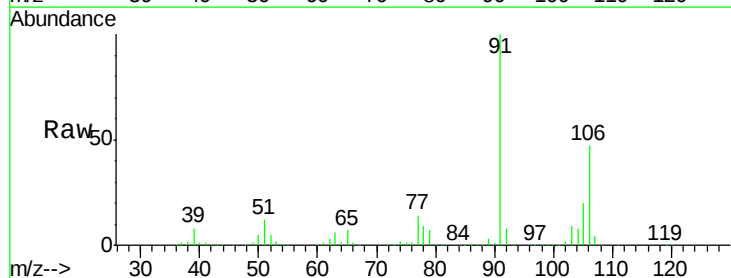
Acq: 07 May 2018 15:02

Tgt Ion:106 Resp: 501654

Ion Ratio Lower Upper

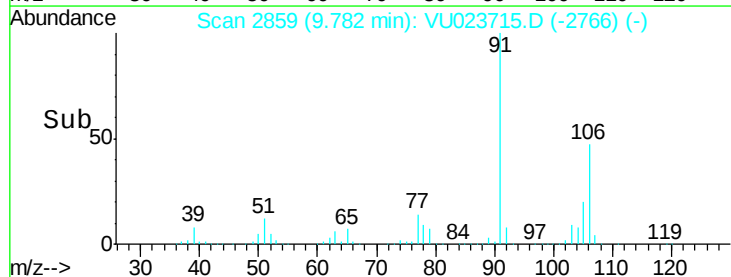
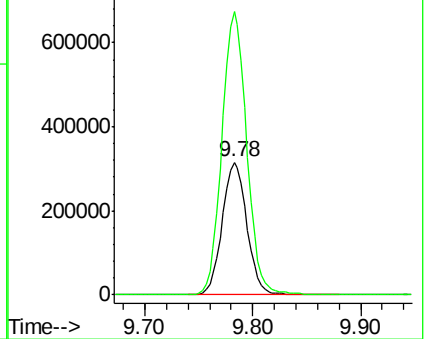
106 100

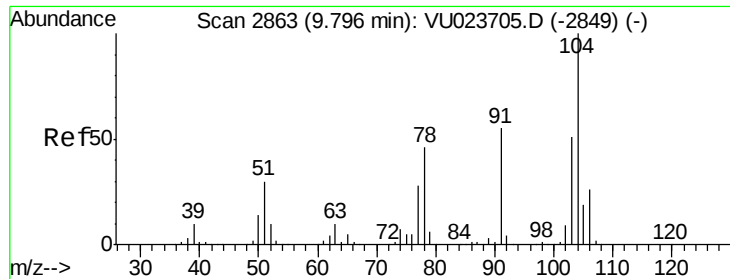
91 213.1 148.9 276.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 19.97 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU023715.D

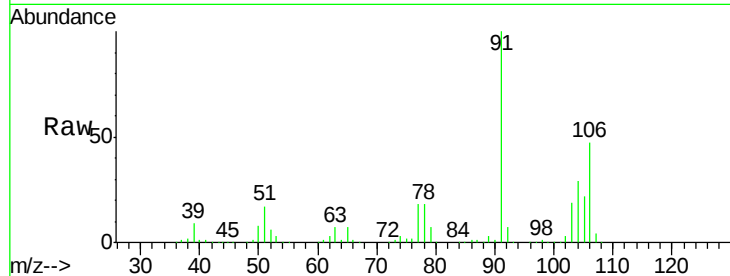
Acq: 07 May 2018 15:02

Tgt Ion:104 Resp: 169582

Ion Ratio Lower Upper

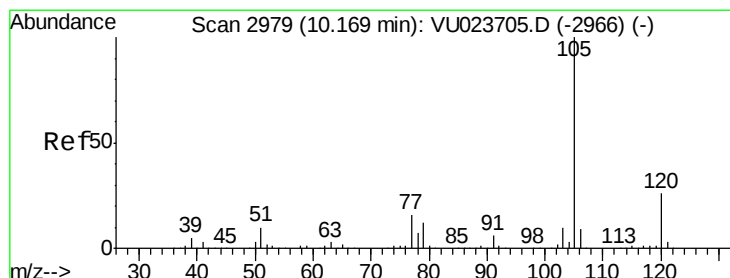
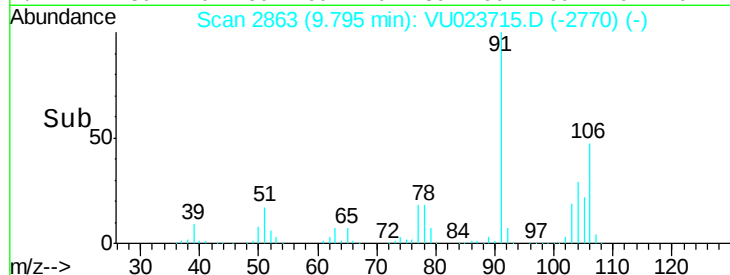
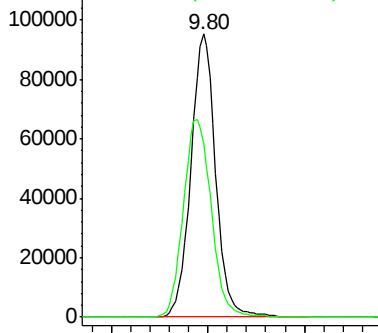
104 100

78 61.2 32.1 59.7#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 2.61 ug/L

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU023715.D

Acq: 07 May 2018 15:02

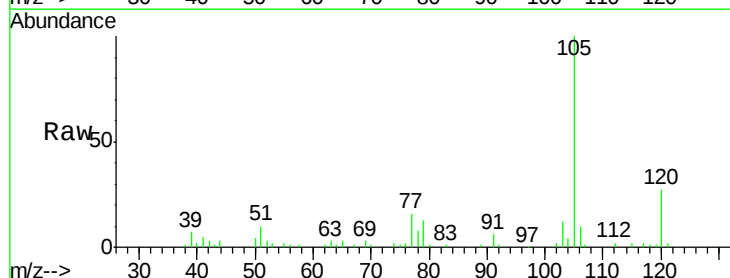
Tgt Ion:105 Resp: 33187

Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

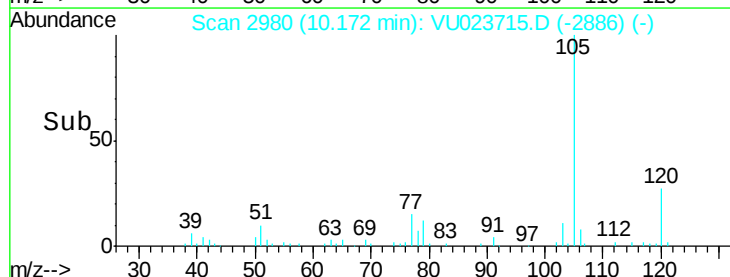
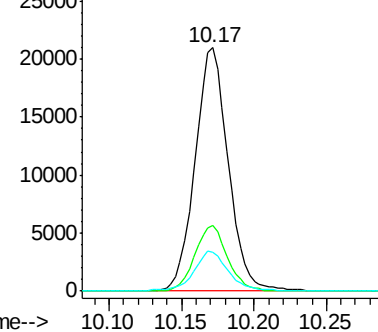
77 15.2 12.6 18.8

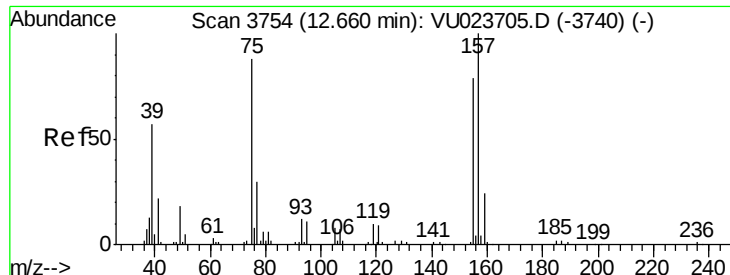


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.23 ug/L
 RT: 12.70 min Scan# 3766
 Delta R.T. 0.04 min
 Lab File: VU023715.D
 Acq: 07 May 2018 15:02

Tgt Ion: 75 Resp: 28122
 Ion Ratio Lower Upper
 75 100
 155 0.0 68.9 103.3#
 157 0.0 89.9 134.9#

