

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050218\
 Data File : VU023582.D
 Acq On : 02 May 2018 16:33
 Operator : MD/SY
 Sample : J2621-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 03 05:28:23 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 03 05:16:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	337641	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	306157	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	147714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	94028	39.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.58%
7) Chloroethane-d5	1.68	69	77871	42.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.38%
11) 1,1-Dichloroethene-d2	2.27	63	133963	28.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	57.42%#
21) 2-Butanone-d5	4.18	46	215317	130.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	130.23%#
24) Chloroform-d	4.65	84	191979	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
26) 1,2-Dichloroethane-d4	5.31	65	134501	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
32) Benzene-d6	5.35	84	390390	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
36) 1,2-Dichloropropane-d6	6.34	67	140310	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.00%
41) Toluene-d8	7.57	98	329417	43.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	7.85	79	55097	46.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.04%
47) 2-Hexanone-d5	8.31	63	155421	148.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	148.75%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	198379	55.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.48%
64) 1,2-Dichlorobenzene-d4	11.87	152	136761	47.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.92%

Target Compounds

						Qvalue
13) Acetone	2.32	43	26050	10.60	ug/L	100
15) Methyl Acetate	2.62	43	21939	6.74	ug/L	97
16) Methylene chloride	2.70	84	181521	59.02	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	8106	2.71	ug/L	97
22) 2-Butanone	4.27	43	34441	12.61	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	808865	208.59	ug/L	100
31) Carbon tetrachloride	4.92	117	108850	32.30	ug/L	100
34) Trichloroethene	6.19	95	3126848	1131.17	ug/L	98
37) 1,2-Dichloropropane	6.34	63	14513	4.69	ug/L #	88
40) 4-Methyl-2-pentanone	7.46	43	19927	5.28	ug/L	94
42) Toluene	7.64	91	188163	16.83	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	28565	10.87	ug/L	99
52) Ethylbenzene	9.26	91	521630	43.03	ug/L	100
53) m,p-Xylene	9.38	106	855904	185.13	ug/L	99
54) o-xylene	9.78	106	441665	100.83	ug/L	98
55) Styrene	9.78	104	22846	2.98	ug/L #	1

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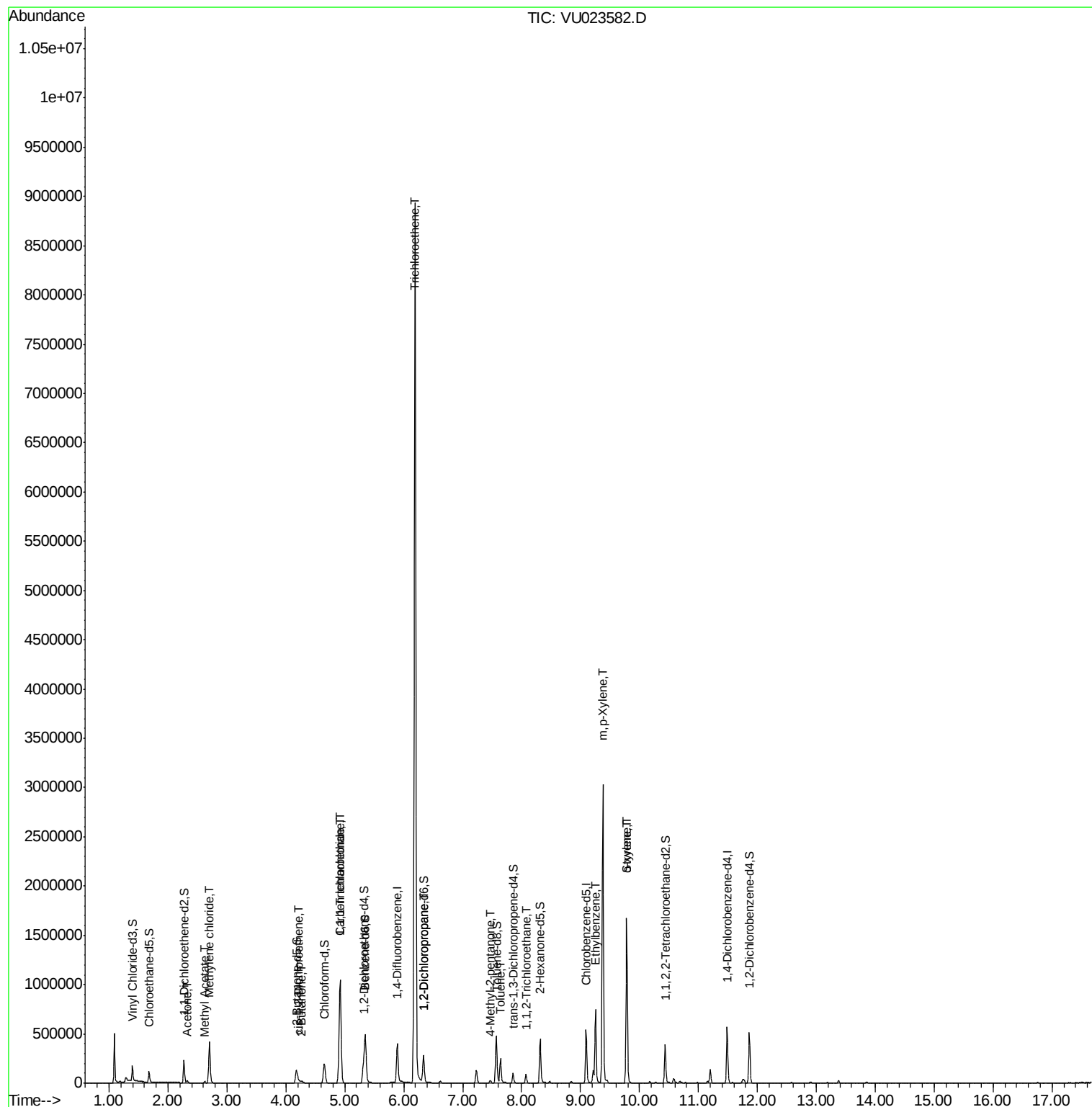
Quant Time: May 03 05:28:23 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 03 05:16:38 2018
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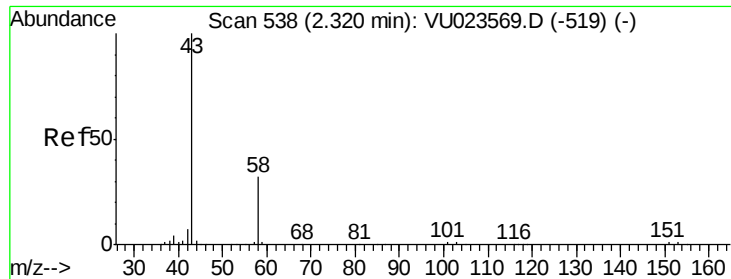
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 10.60 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU023582.D

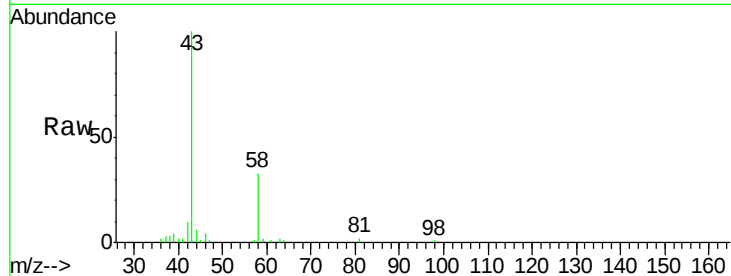
Acq: 02 May 2018 16:33

Tgt Ion: 43 Resp: 26050

Ion Ratio Lower Upper

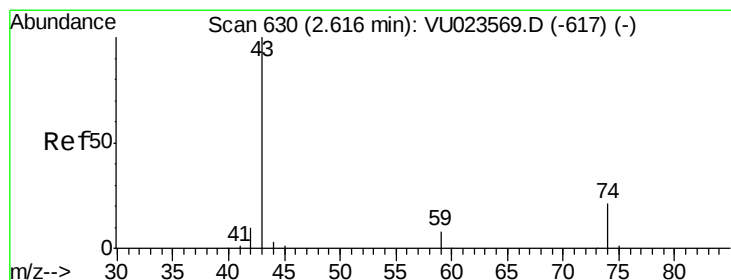
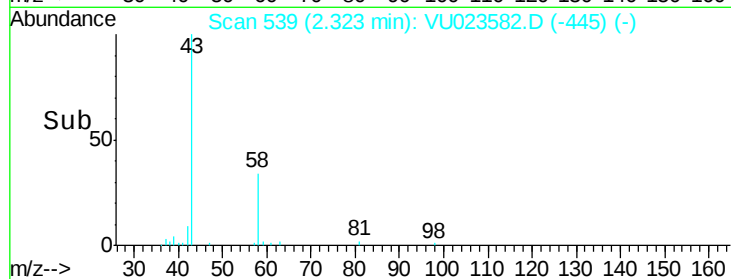
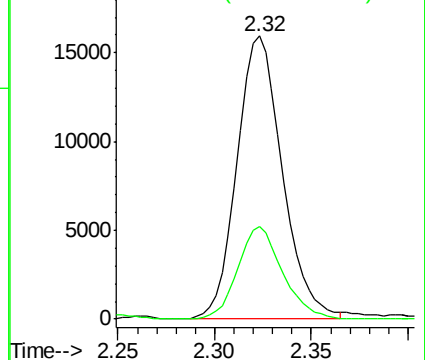
43 100

58 32.1 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#15

Methyl Acetate

Concen: 6.74 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU023582.D

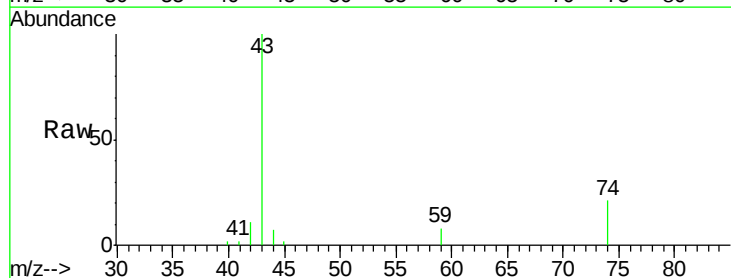
Acq: 02 May 2018 16:33

Tgt Ion: 43 Resp: 21939

Ion Ratio Lower Upper

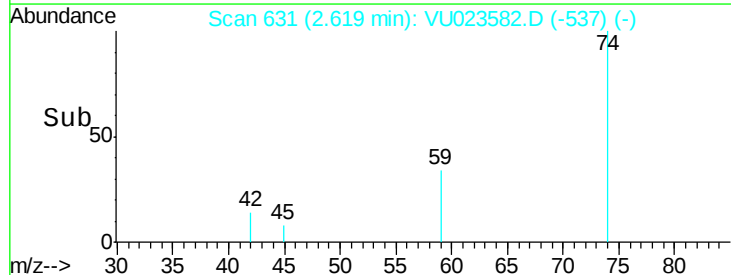
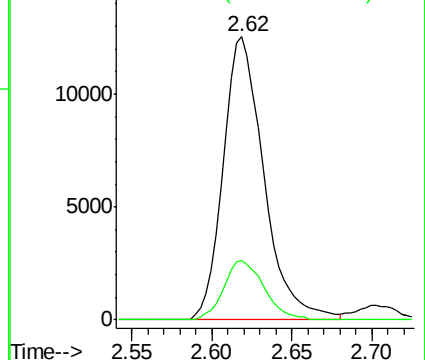
43 100

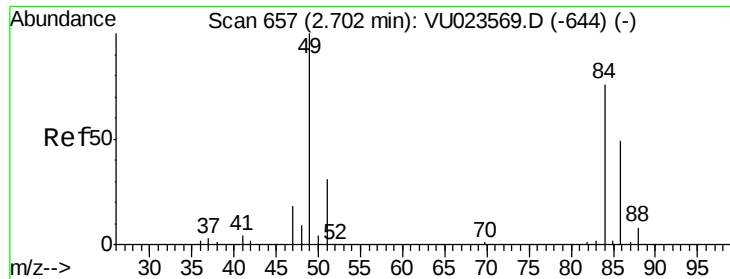
74 20.5 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

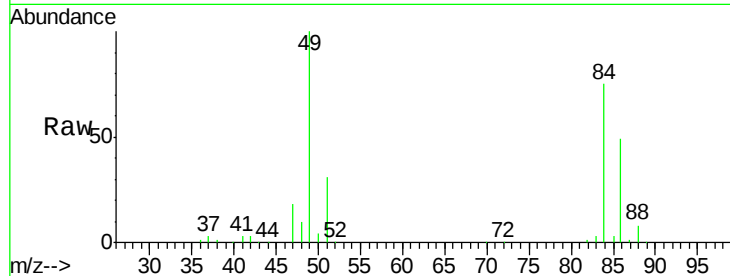
Ion 74.00 (73.70 to 74.70): VU0



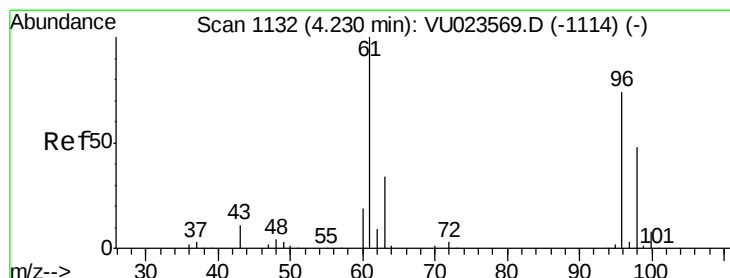
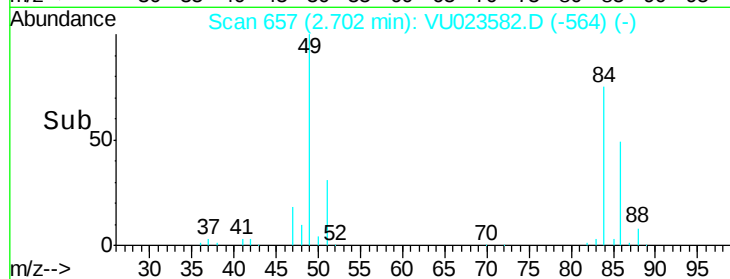
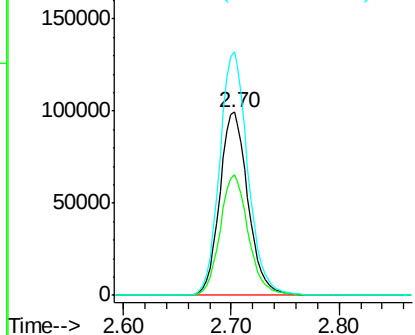


#16
Methylene chloride
Concen: 59.02 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU023582.D
Acq: 02 May 2018 16:33

Tgt Ion: 84 Resp: 181521
Ion Ratio Lower Upper
84 100
86 65.8 45.6 84.8
49 133.0 91.9 170.7

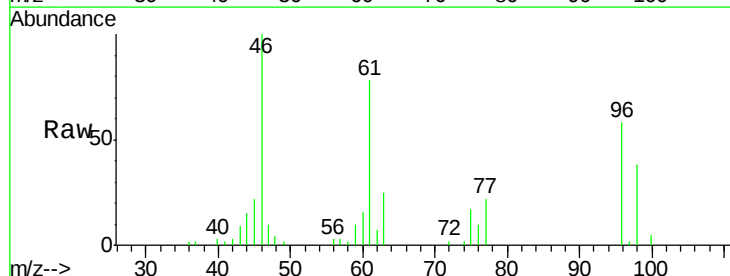


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

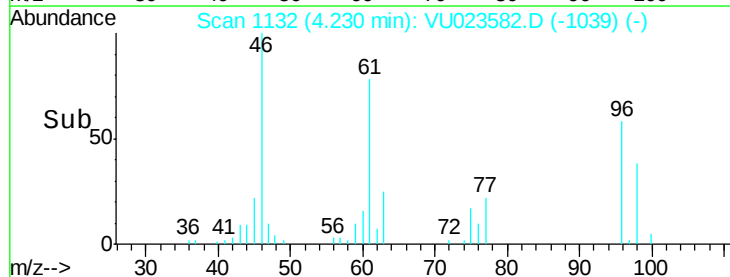
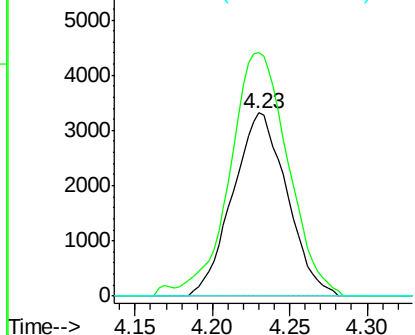


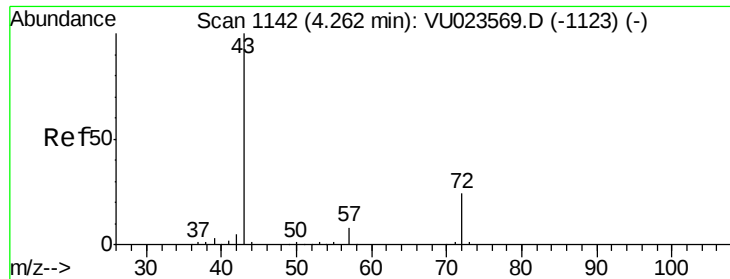
#20
cis-1,2-Dichloroethene
Concen: 2.71 ug/L
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU023582.D
Acq: 02 May 2018 16:33

Tgt Ion: 96 Resp: 8106
Ion Ratio Lower Upper
96 100
61 133.0 95.3 177.1
68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 12.61 ug/L

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU023582.D

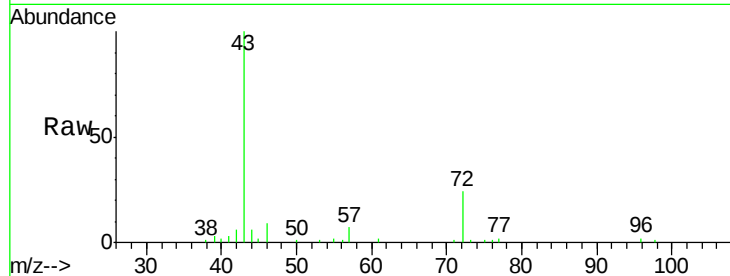
Acq: 02 May 2018 16:33

Tgt Ion: 43 Resp: 34441

Ion Ratio Lower Upper

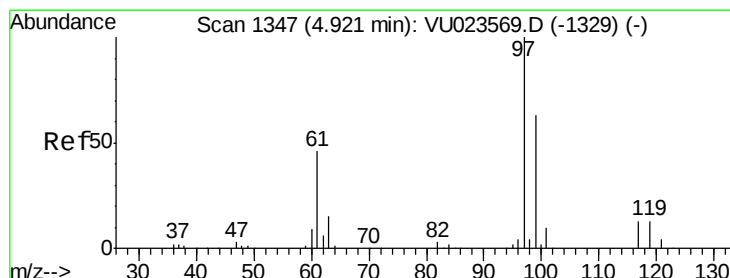
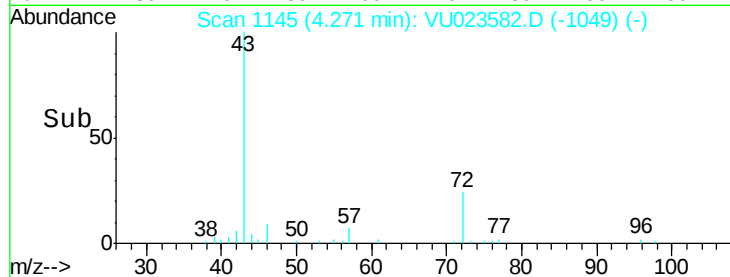
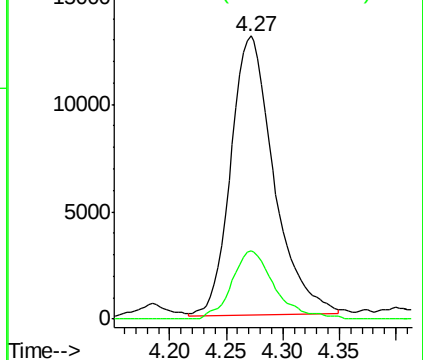
43 100

72 23.8 12.3 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#30

1,1,1-Trichloroethane

Concen: 208.59 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU023582.D

Acq: 02 May 2018 16:33

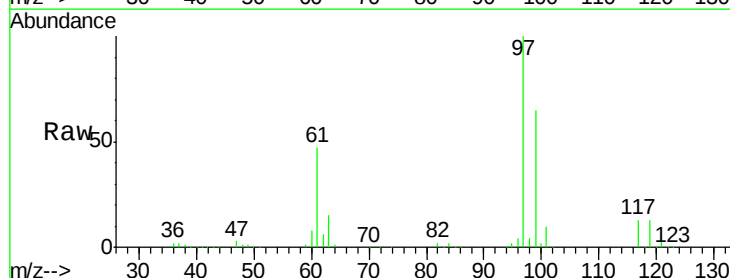
Tgt Ion: 97 Resp: 808865

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

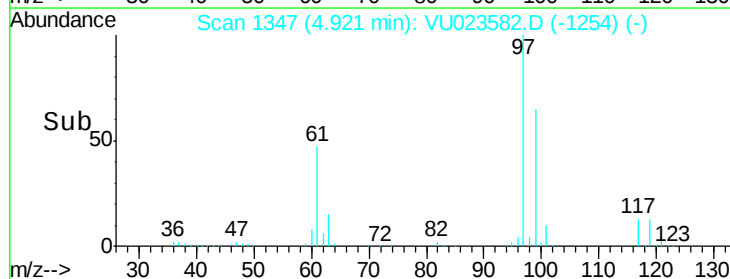
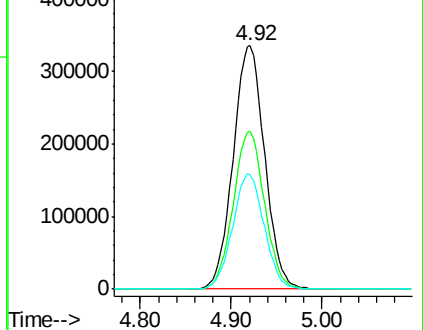
61 47.2 37.7 56.5

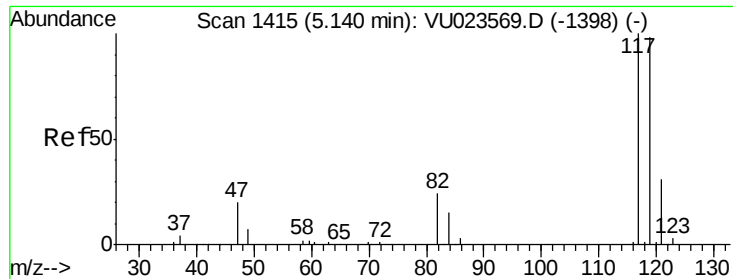


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 32.30 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.22 min

Lab File: VU023582.D

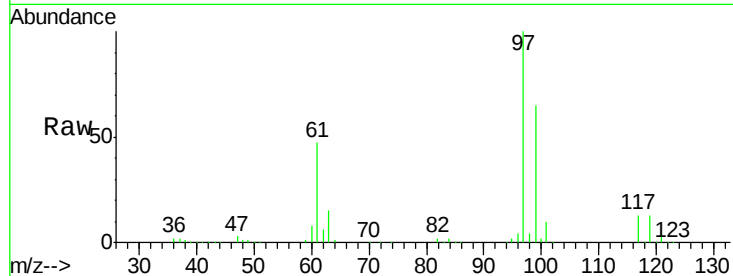
Acq: 02 May 2018 16:33

Tgt Ion: 117 Resp: 108850

Ion Ratio Lower Upper

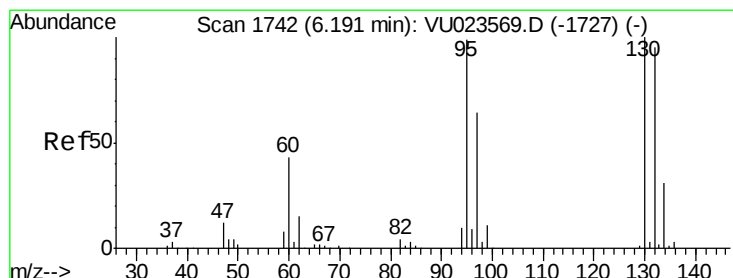
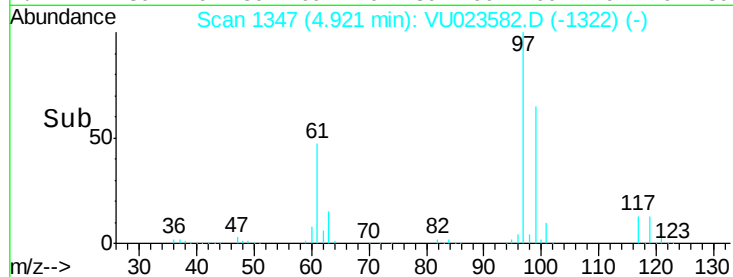
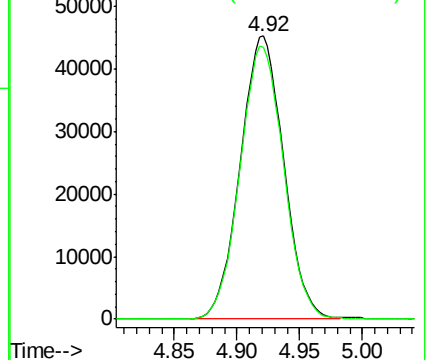
117 100

119 97.0 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 1131.17 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023582.D

Acq: 02 May 2018 16:33

Tgt Ion: 95 Resp: 3126848

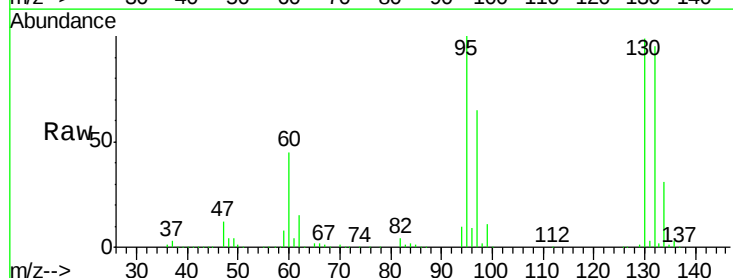
Ion Ratio Lower Upper

95 100

97 64.7 46.3 85.9

132 95.2 68.5 127.1

130 98.9 70.8 131.4

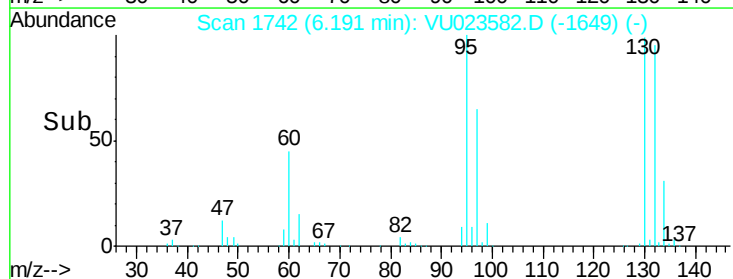
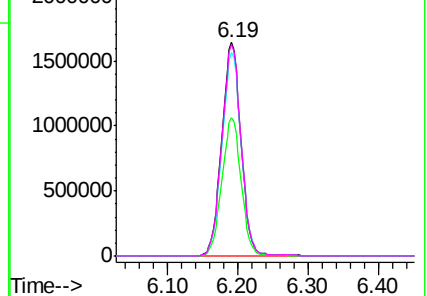


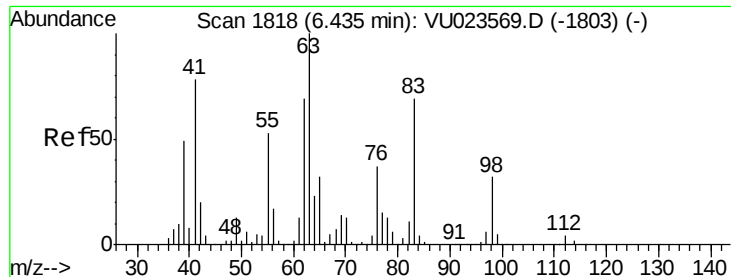
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#37

1,2-Dichloropropane

Concen: 4.69 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU023582.D

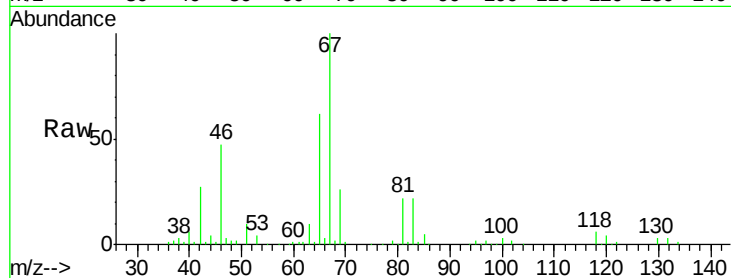
Acq: 02 May 2018 16:33

Tgt Ion: 63 Resp: 14513

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU023569.D (-1803) (-)

Ion 112.00 (111.70 to 112.70): VU023569.D (-1803) (-)

6.34

8000

6000

4000

2000

0

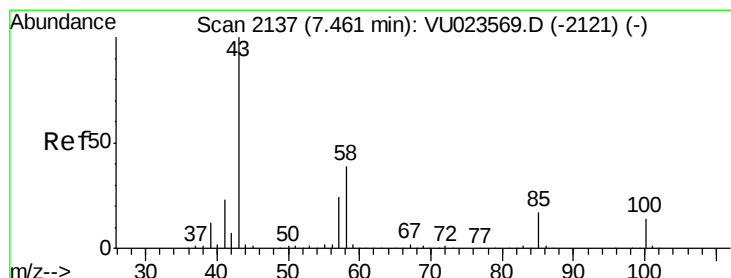
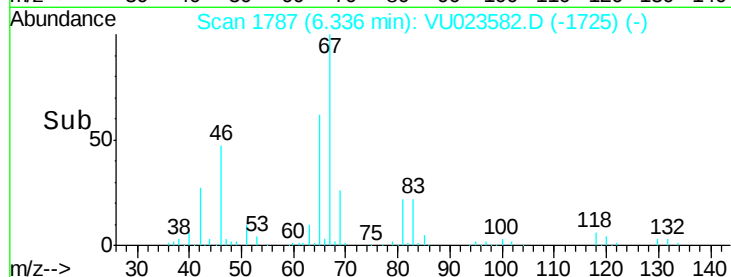
Time-->

6.25

6.30

6.35

6.40



#40

4-Methyl-2-pentanone

Concen: 5.28 ug/L

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU023582.D

Acq: 02 May 2018 16:33

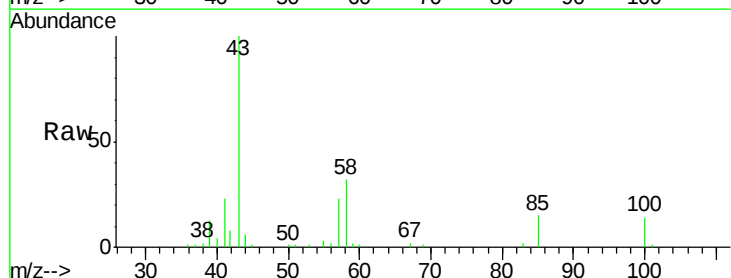
Tgt Ion: 43 Resp: 19927

Ion Ratio Lower Upper

43 100

58 34.1 30.8 46.2

100 13.0 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VU023569.D (-2121) (-)

Ion 58.00 (57.70 to 58.70): VU023569.D (-2121) (-)

Ion 100.00 (99.70 to 100.70): VU023569.D (-2121) (-)

150000

100000

50000

0

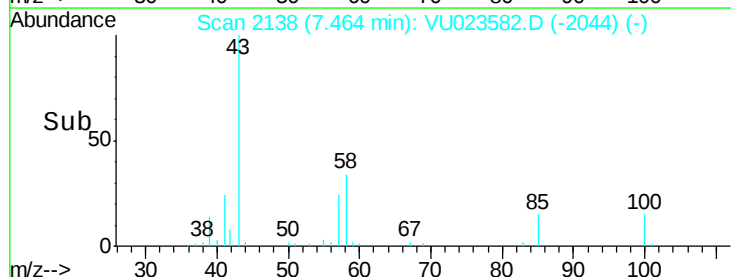
Time-->

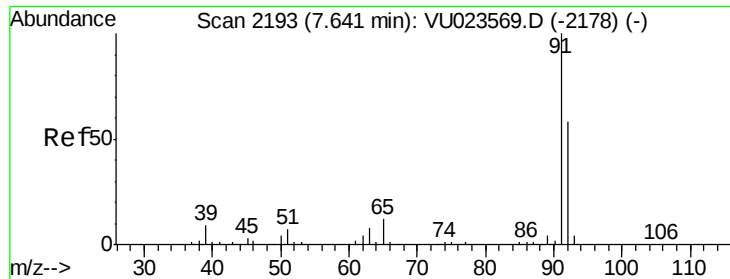
7.40

7.45

7.50

7.55





#42

Toluene

Concen: 16.83 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU023582.D

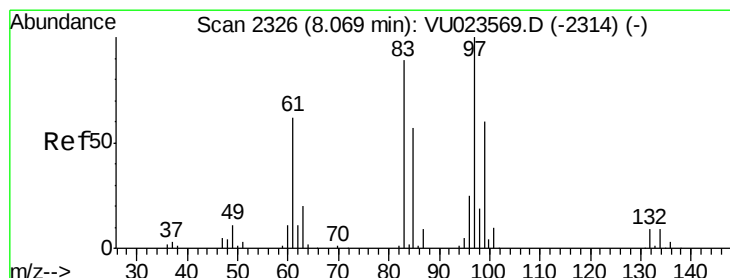
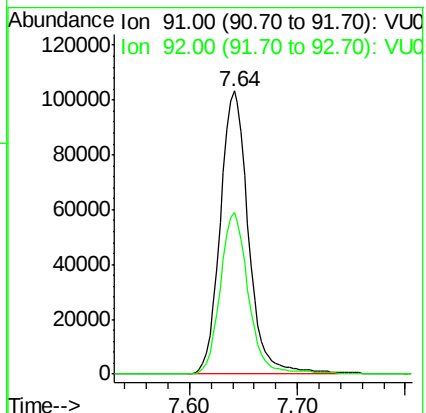
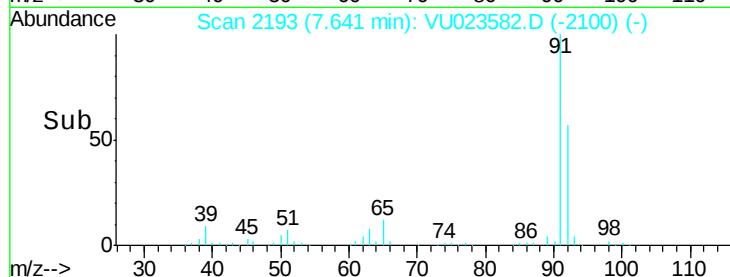
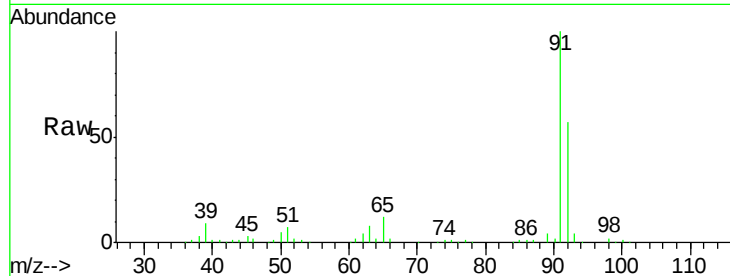
Acq: 02 May 2018 16:33

Tgt Ion: 91 Resp: 188163

Ion Ratio Lower Upper

91 100

92 57.0 40.3 74.9



#45

1,1,2-Trichloroethane

Concen: 10.87 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU023582.D

Acq: 02 May 2018 16:33

Tgt Ion: 97 Resp: 28565

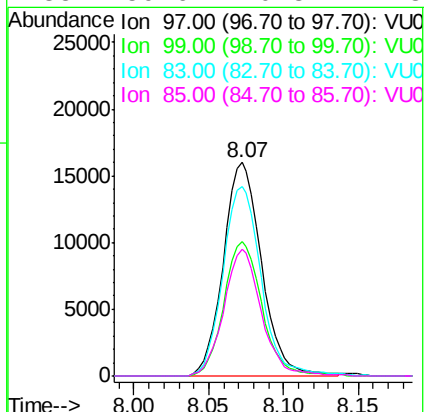
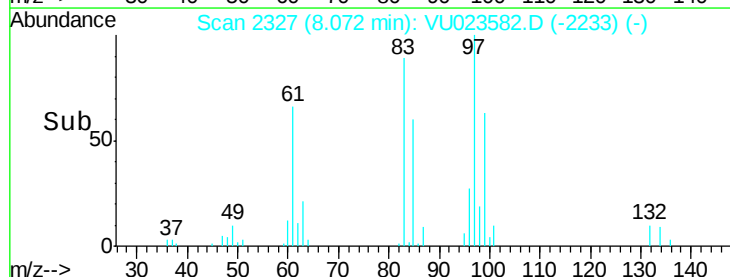
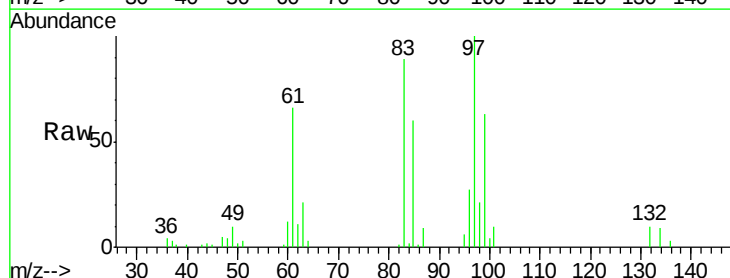
Ion Ratio Lower Upper

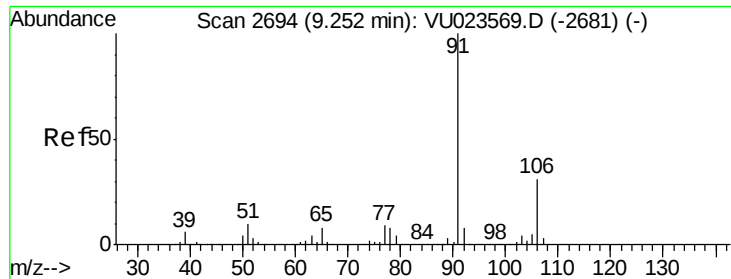
97 100

99 63.1 44.2 82.2

83 88.9 63.1 117.1

85 59.6 40.3 74.8





#52

Ethylbenzene

Concen: 43.03 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU023582.D

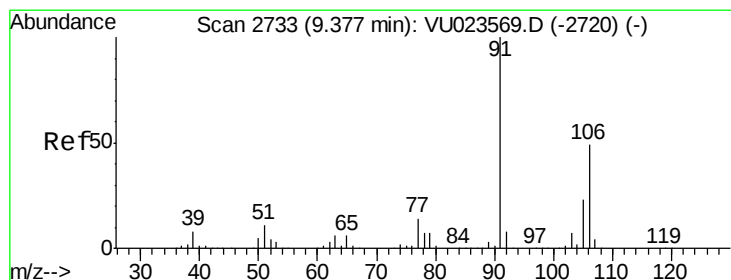
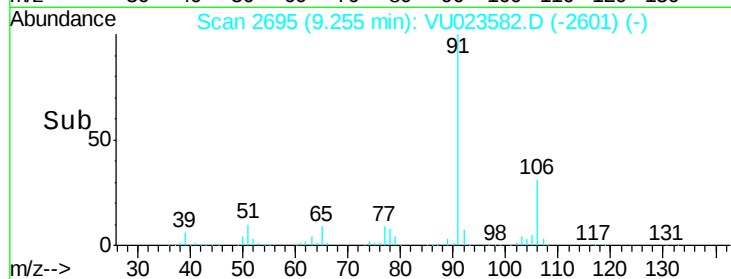
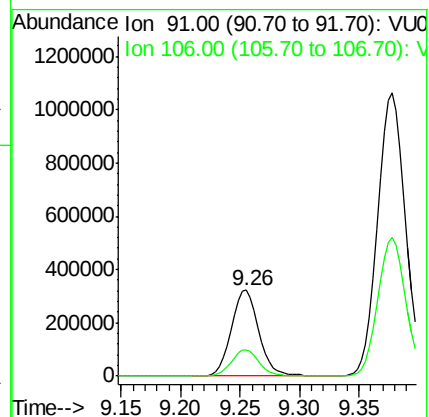
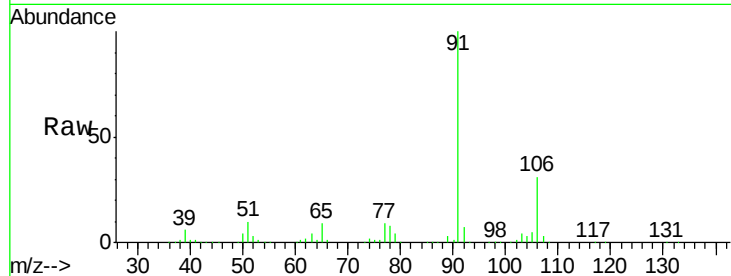
Acq: 02 May 2018 16:33

Tgt Ion: 91 Resp: 521630

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-Xylene

Concen: 185.13 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU023582.D

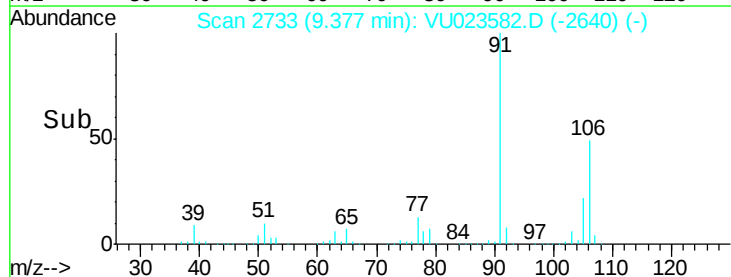
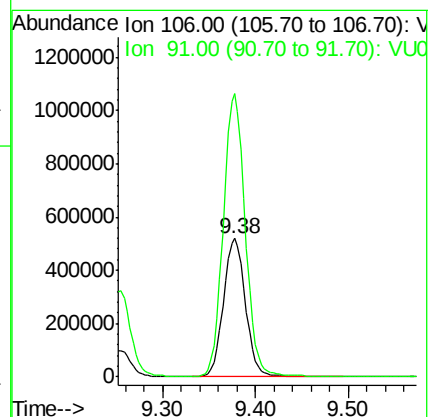
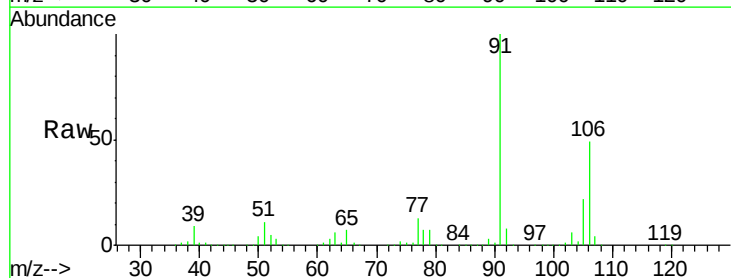
Acq: 02 May 2018 16:33

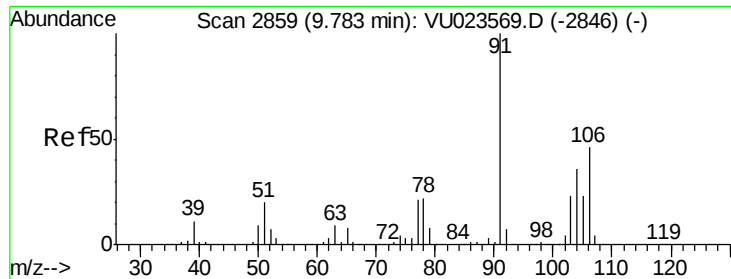
Tgt Ion: 106 Resp: 855904

Ion Ratio Lower Upper

106 100

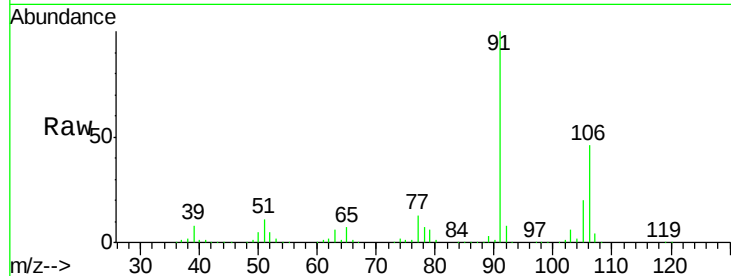
91 204.8 144.1 267.5



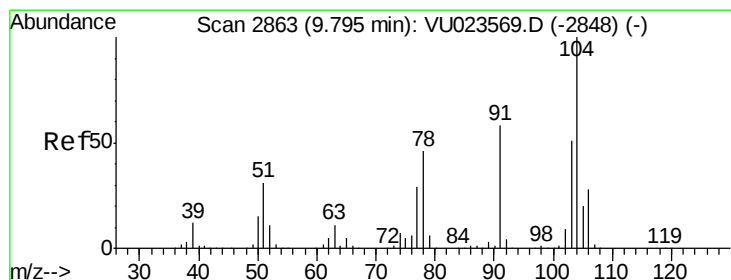
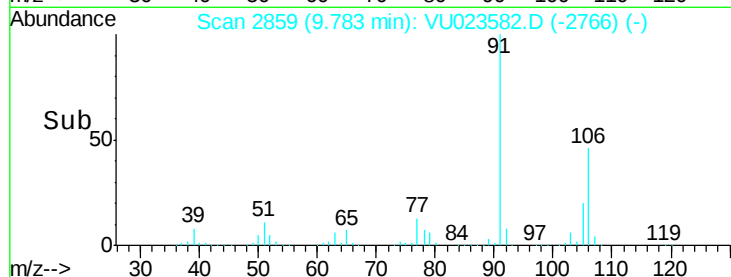
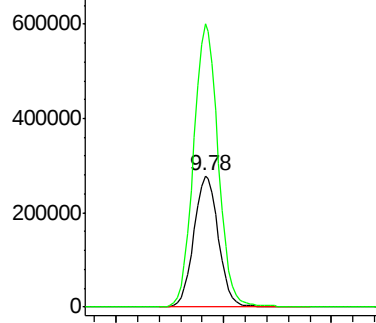


#54
o-xylene
Concen: 100.83 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023582.D
Acq: 02 May 2018 16:33

Tgt Ion:106 Resp: 441665
Ion Ratio Lower Upper
106 100
91 215.6 148.9 276.5

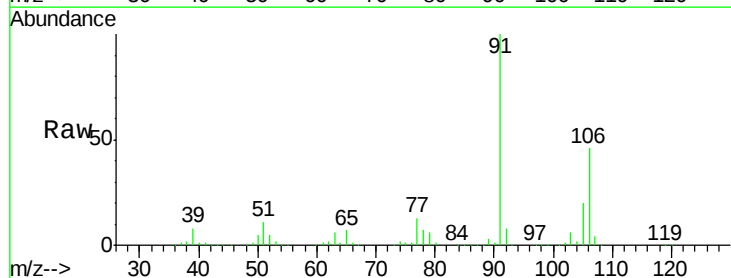


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



#55
Styrene
Concen: 2.98 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.01 min
Lab File: VU023582.D
Acq: 02 May 2018 16:33

Tgt Ion:104 Resp: 22846
Ion Ratio Lower Upper
104 100
78 290.3 32.1 59.7#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0

