

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050118\
 Data File : VU023562.D
 Acq On : 01 May 2018 18:56
 Operator : MD/SY
 Sample : J2621-03MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 02 03:57:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 02 03:12:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	340962	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	319498	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	158099	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	102599	42.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.92%
7) Chloroethane-d5	1.68	69	80707	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.64%
11) 1,1-Dichloroethene-d2	2.27	63	209360	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.88%
21) 2-Butanone-d5	4.18	46	181522	108.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.72%
24) Chloroform-d	4.65	84	190969	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
26) 1,2-Dichloroethane-d4	5.31	65	128471	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.44%
32) Benzene-d6	5.35	84	400262	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
36) 1,2-Dichloropropane-d6	6.34	67	138730	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.64%
41) Toluene-d8	7.57	98	366385	46.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.72%
43) trans-1,3-Dichloropropene-	7.85	79	60599	49.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.06%
47) 2-Hexanone-d5	8.31	63	136286	124.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.99%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	183294	49.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.70%
64) 1,2-Dichlorobenzene-d4	11.86	152	150003	48.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.28%

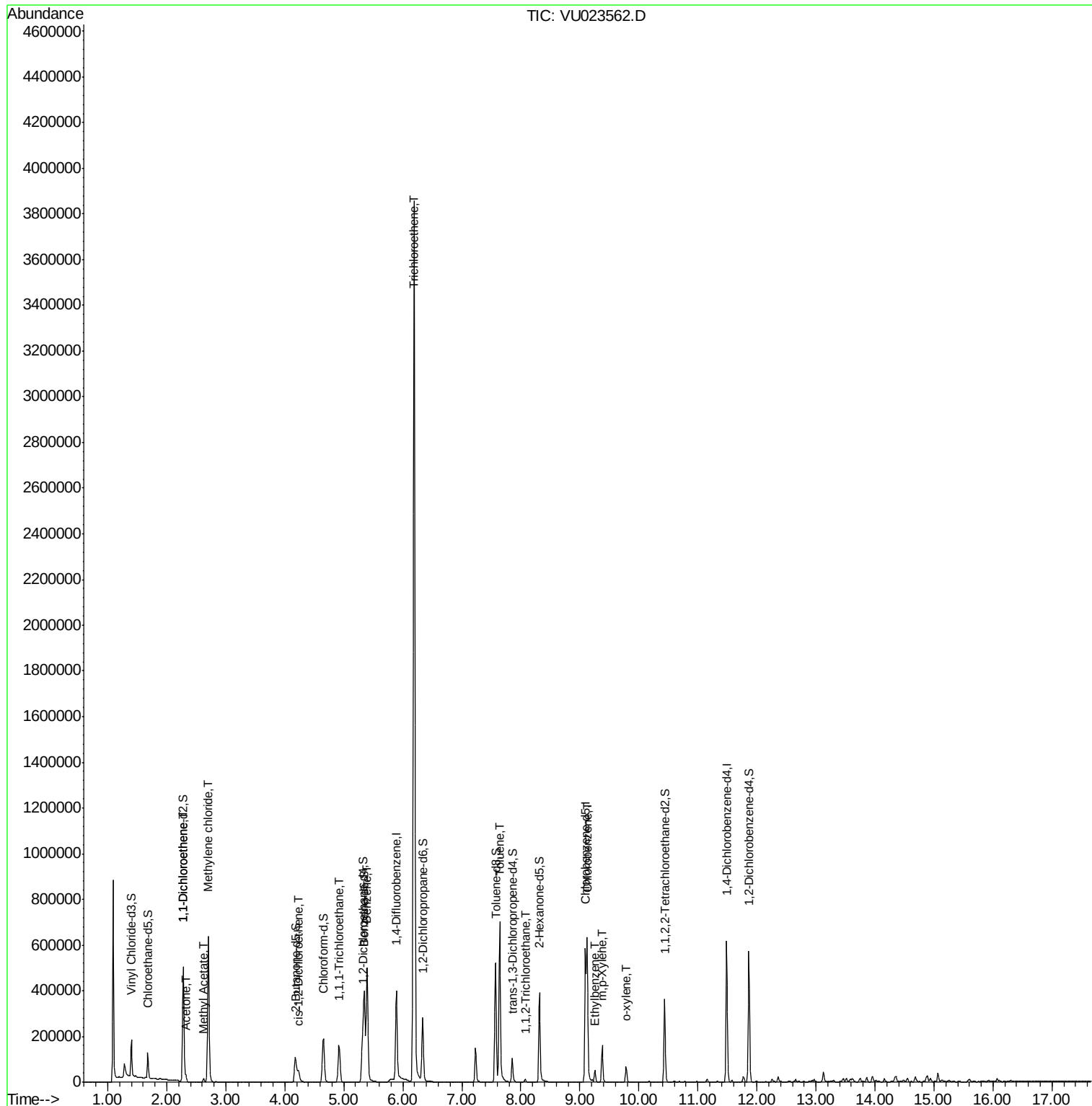
Target Compounds

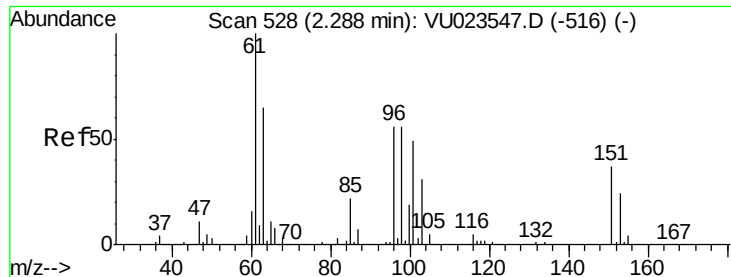
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	107623	43.25	ug/L	99
13) Acetone	2.32	43	27086	10.92	ug/L	97
15) Methyl Acetate	2.62	43	17189	5.23	ug/L	99
16) Methylene chloride	2.70	84	279030	89.84	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	24462	8.09	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	125039	30.90	ug/L	99
33) Benzene	5.39	78	493078	43.80	ug/L	100
34) Trichloroethene	6.19	95	1381948	479.06	ug/L	99
42) Toluene	7.64	91	533694	45.73	ug/L	100
45) 1,1,2-Trichloroethane	8.08	97	4437	1.62	ug/L	92
51) Chlorobenzene	9.12	112	330513	42.51	ug/L	98
52) Ethylbenzene	9.26	91	36603	2.89	ug/L	98
53) m,p-Xylene	9.38	106	45516	9.43	ug/L	98
54) o-xylene	9.78	106	18533	4.05	ug/L	92

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

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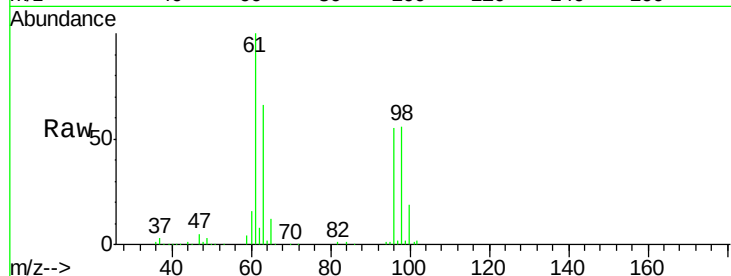
Quant Time: May 02 03:57:40 2018
Quant Method : W:\HPCHEM1\MSV0A_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 02 03:12:05 2018
Response via : Initial Calibration



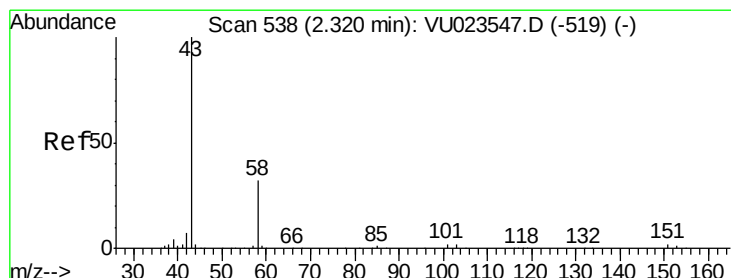
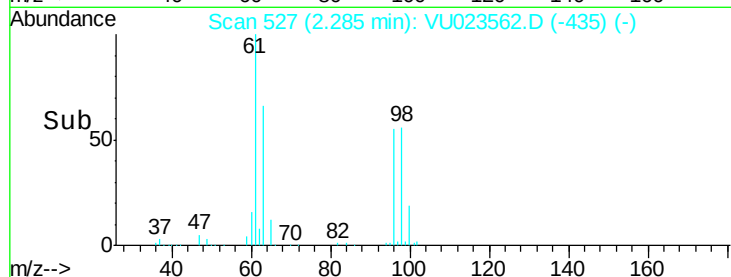
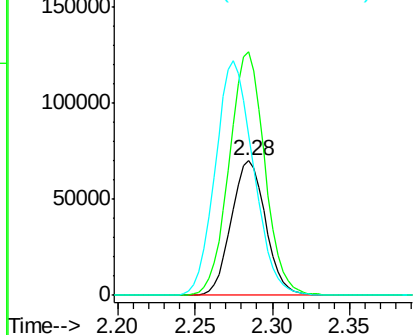


#12
 1,1-Dichloroethene
 Concen: 43.25 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU023562.D
 Acq: 01 May 2018 18:56

Tot Ion	96	Resp	107623
Ion	Ratio	Lower	Upper
96	100		
61	180.8	125.9	233.7
63	119.6	84.8	157.6

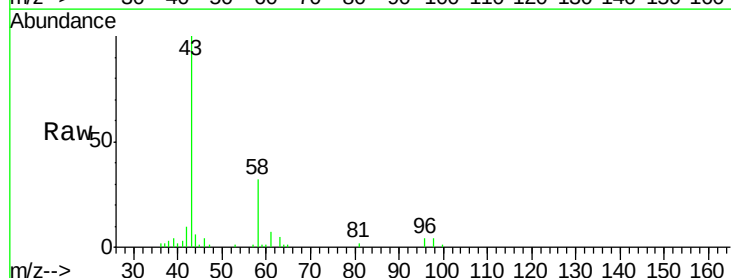


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 63.00 (62.70 to 63.70): VU0

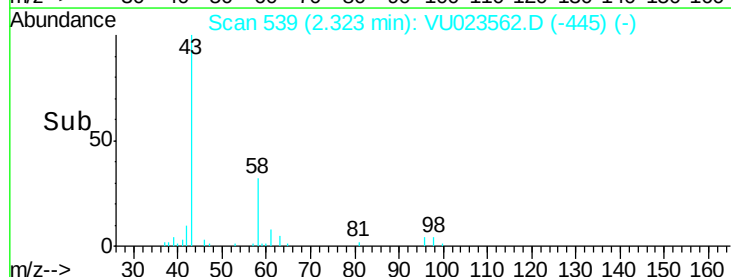
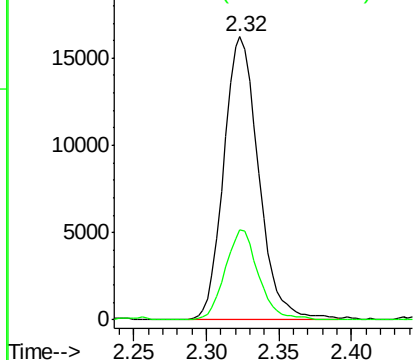


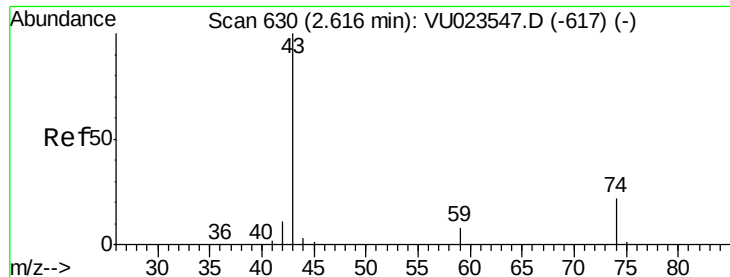
#13
 Acetone
 Concen: 10.92 ug/L
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU023562.D
 Acq: 01 May 2018 18:56

Tgt Ion	43	Resp	27086
Ion	Ratio	Lower	Upper
43	100		
58	30.5	0.0	64.8



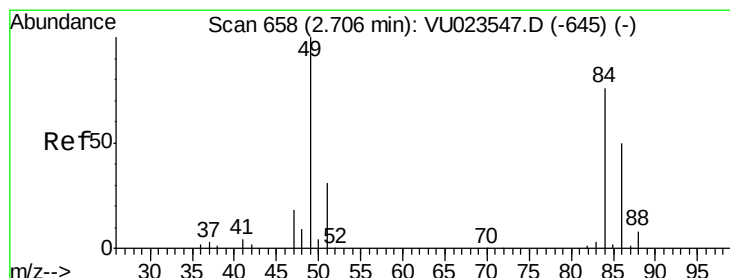
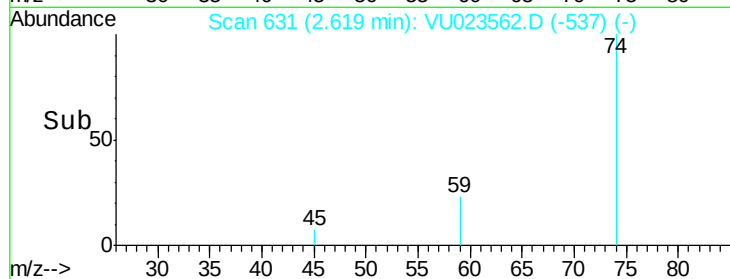
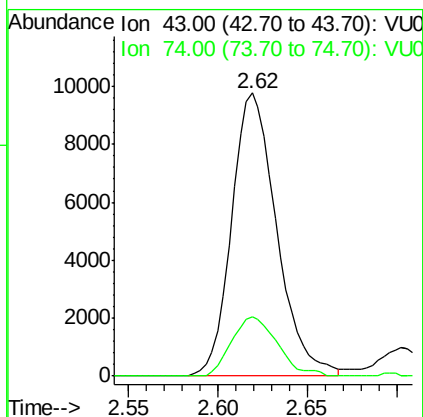
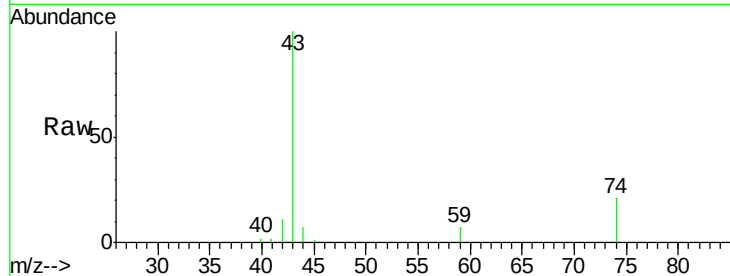
Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0





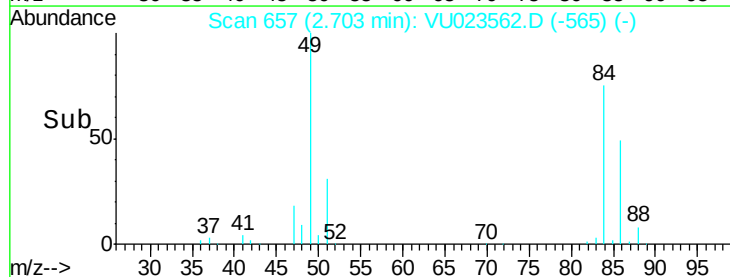
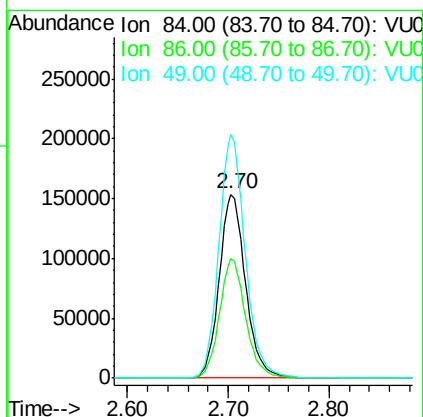
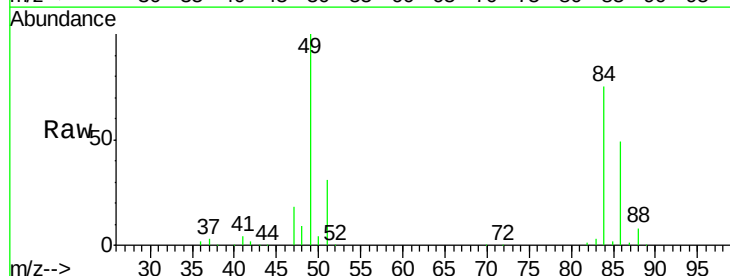
#15
Methvl Acetate
Concen: 5.23 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU023562.D
Acq: 01 May 2018 18:56

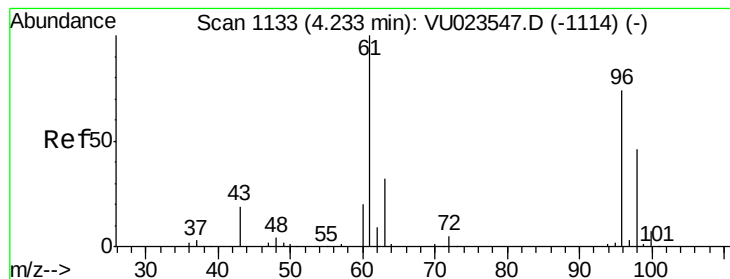
Tot Ion: 43 Resp: 17189
Ion Ratio Lower Upper
43 100
74 21.3 17.5 26.3



#16
Methylene chloride
Concen: 89.84 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023562.D
Acq: 01 May 2018 18:56

Tgt Ion: 84 Resp: 279030
Ion Ratio Lower Upper
84 100
86 64.7 45.6 84.8
49 132.6 91.9 170.7





#20

cis-1,2-Dichloroethene

Concen: 8.09 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU023562.D

Acq: 01 May 2018 18:56

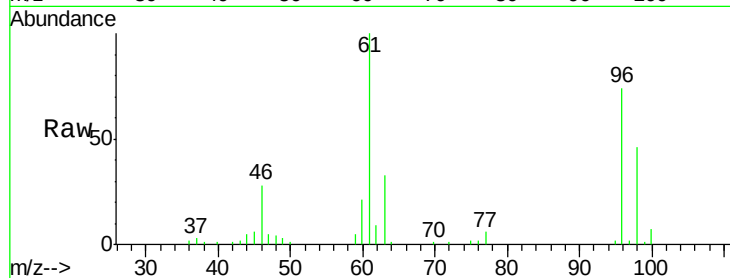
Tot Ion: 96 Resp: 24462

Ion Ratio Lower Upper

96 100

61 135.1 95.3 177.1

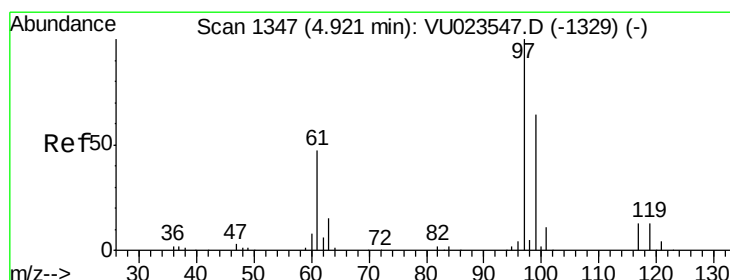
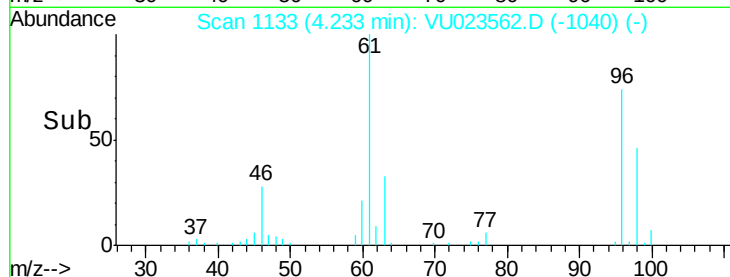
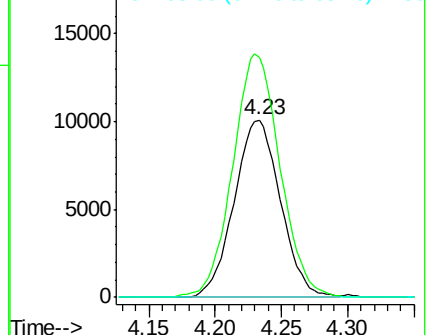
68 0.0 0.0 0.0



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



#30

1,1,1-Trichloroethane

Concen: 30.90 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU023562.D

Acq: 01 May 2018 18:56

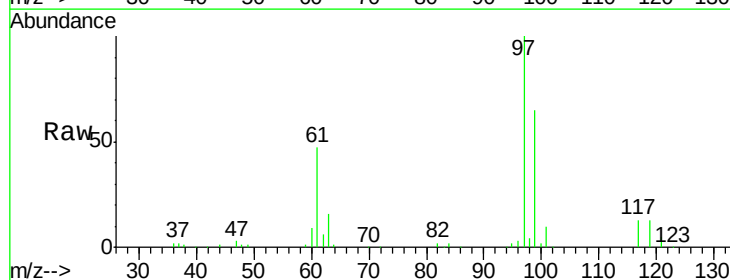
Tgt Ion: 97 Resp: 125039

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

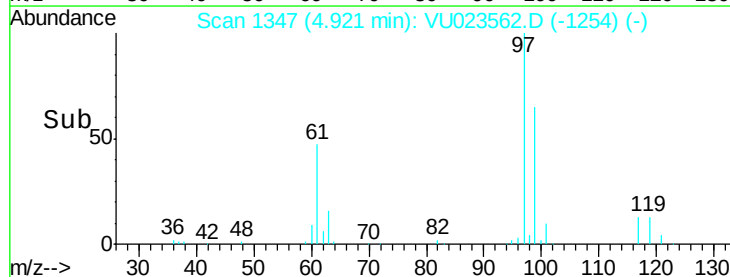
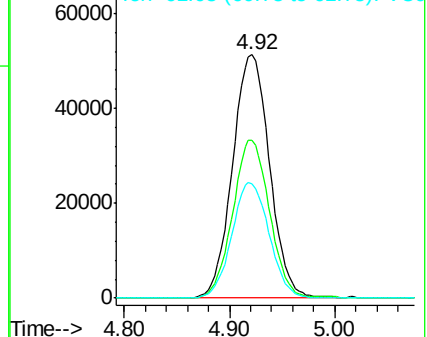
61 47.8 37.7 56.5

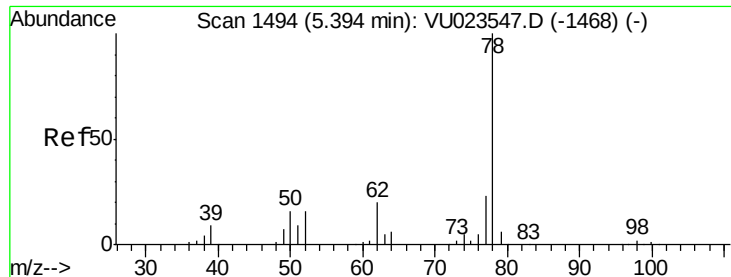


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#33

Benzene

Concen: 43.80 ug/L

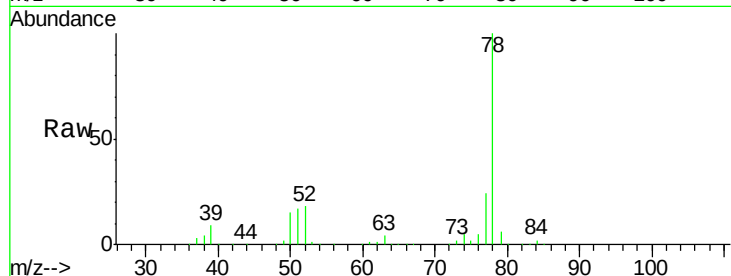
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

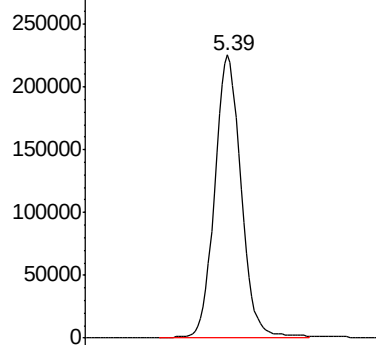
Lab File: VU023562.D

Acq: 01 May 2018 18:56

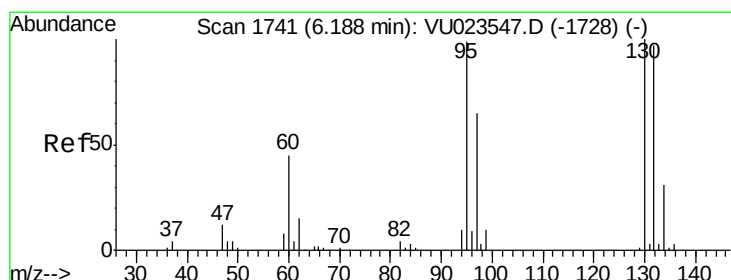
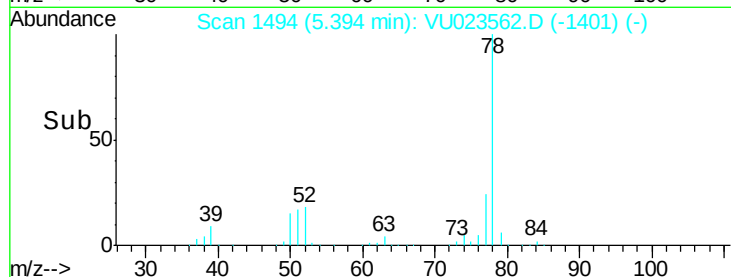
Tgt Ion: 78 Resp: 493078



Abundance Ion 78.00 (77.70 to 78.70): VU0



Time-->



#34

Trichloroethene

Concen: 479.06 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023562.D

Acq: 01 May 2018 18:56

Tgt Ion: 95 Resp: 1381948

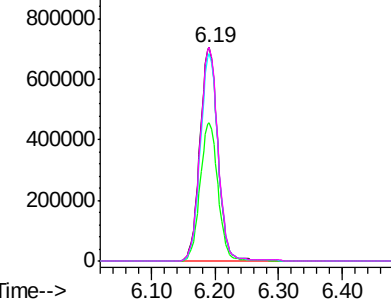
Ion	Ratio	Lower	Upper
95	100		
97	64.8	46.3	85.9
132	97.0	68.5	127.1
130	100.1	70.8	131.4

Abundance Ion 95.00 (94.70 to 95.70): VU0

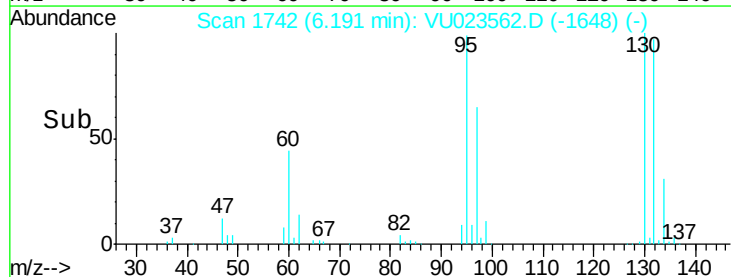
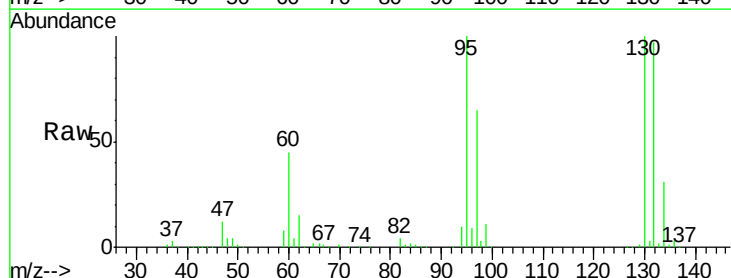
Ion 97.00 (96.70 to 97.70): VU0

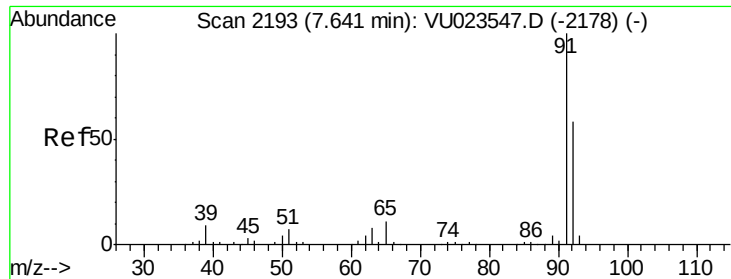
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->





#42

Toluene

Concen: 45.73 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023562.D

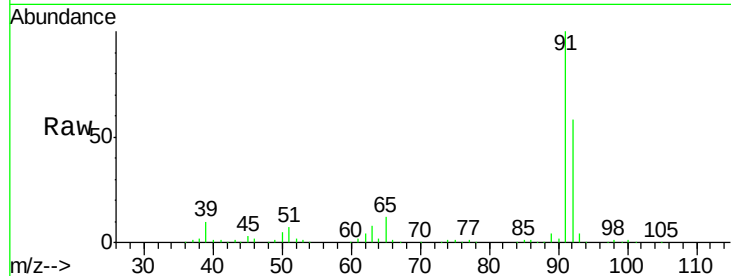
Acq: 01 May 2018 18:56

Tot Ion: 91 Resp: 533694

Ion Ratio Lower Upper

91 100

92 57.8 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

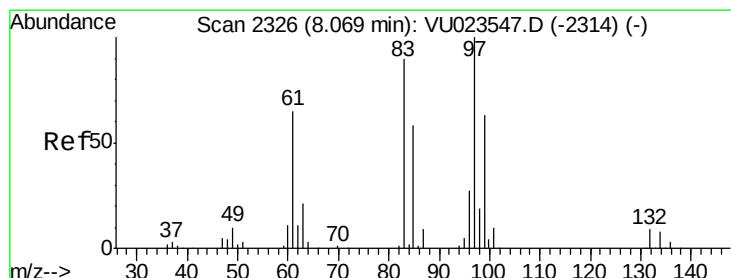
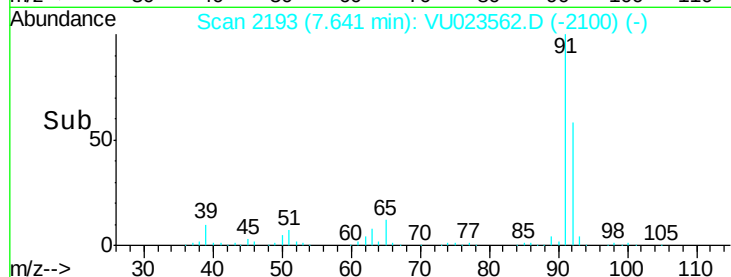
300000

200000

100000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 1.62 ug/L

RT: 8.08 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VU023562.D

Acq: 01 May 2018 18:56

Tgt Ion: 97 Resp: 4437

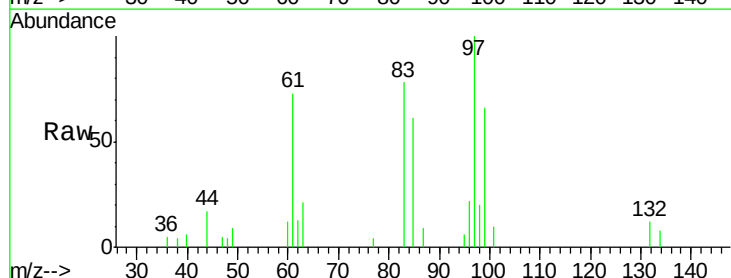
Ion Ratio Lower Upper

97 100

99 66.4 44.2 82.2

83 77.6 63.1 117.1

85 60.9 40.3 74.8



Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

8.08

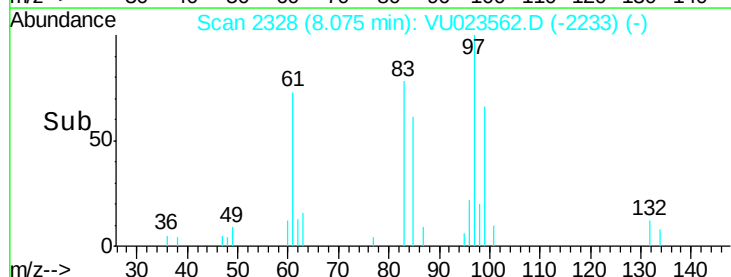
3000

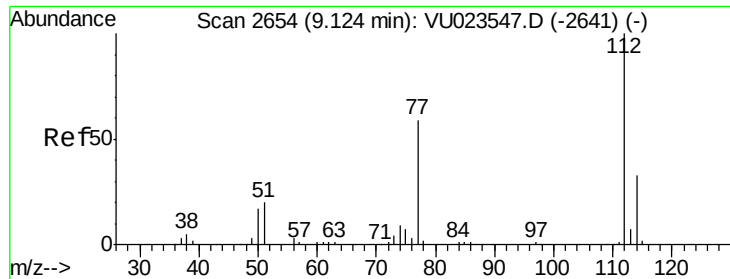
2000

1000

0

Time-->





#51

Chlorobenzene

Concen: 42.51 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023562.D

Acq: 01 May 2018 18:56

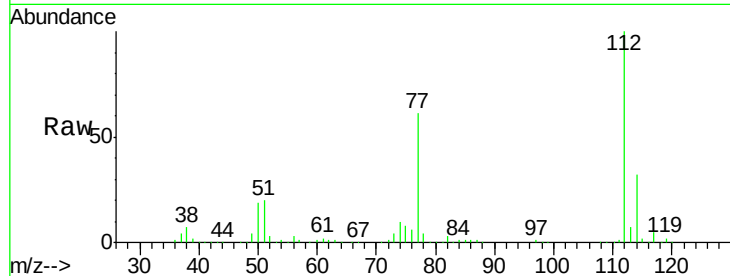
Tot Ion:112 Resp: 330513

Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

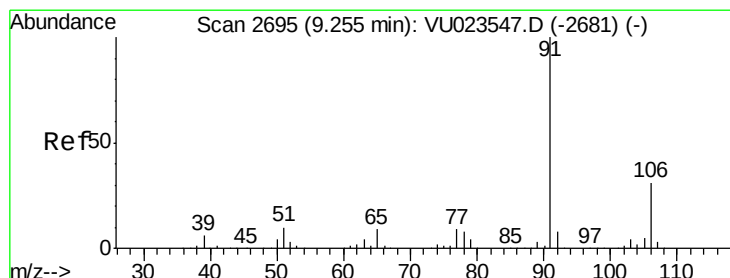
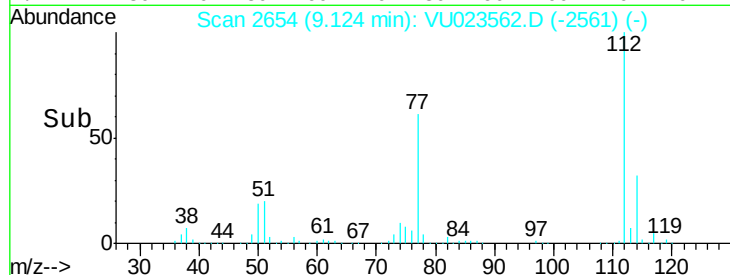
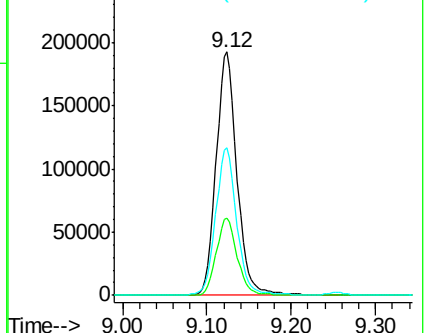
77 60.8 47.5 71.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 2.89 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU023562.D

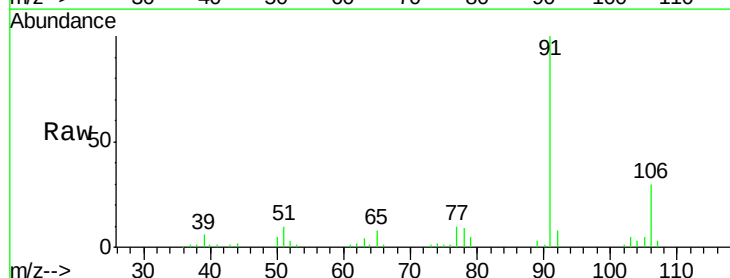
Acq: 01 May 2018 18:56

Tgt Ion: 91 Resp: 36603

Ion Ratio Lower Upper

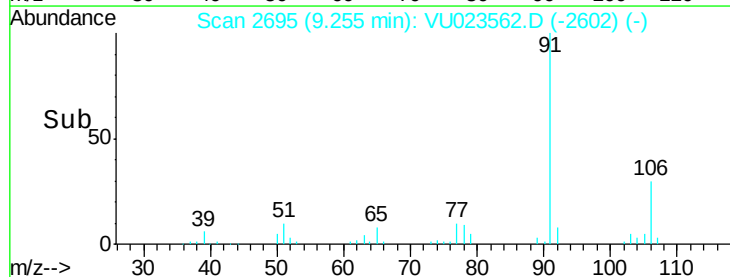
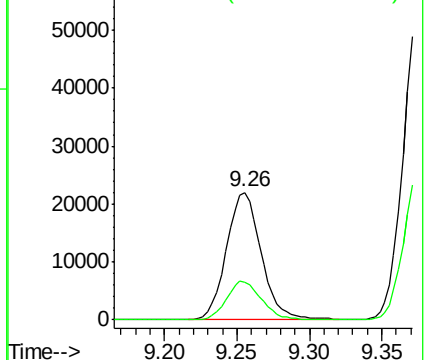
91 100

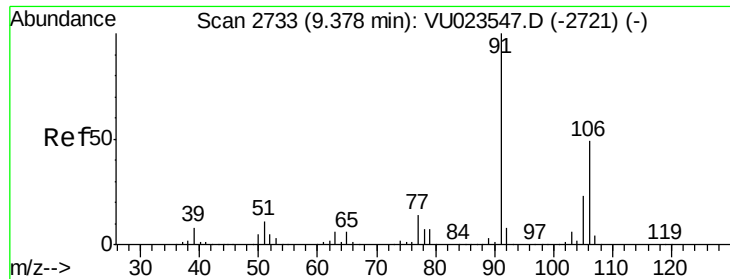
106 29.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 9.43 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU023562.D

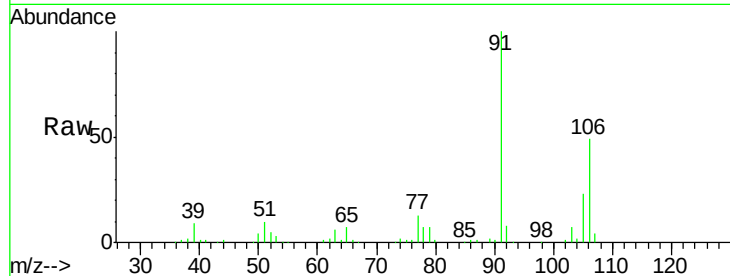
Acq: 01 May 2018 18:56

Tot Ion:106 Resp: 45516

Ion Ratio Lower Upper

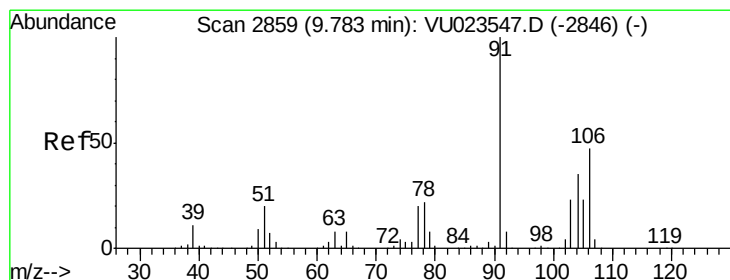
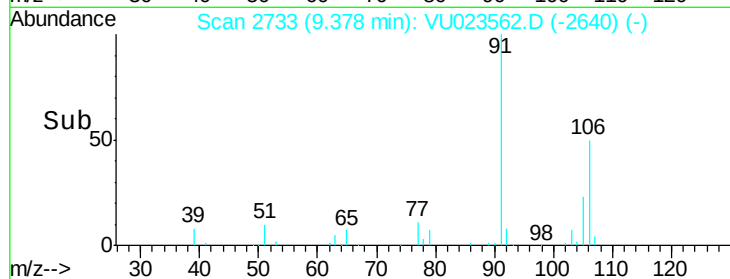
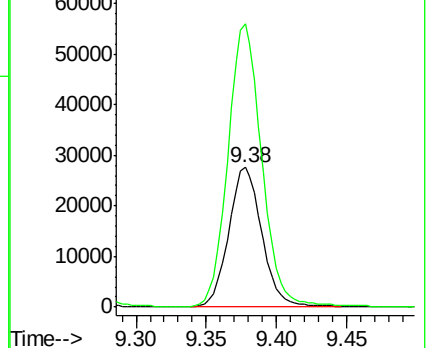
106 100

91 202.5 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.05 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VU023562.D

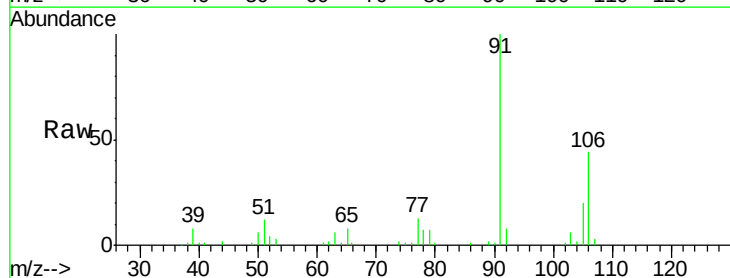
Acq: 01 May 2018 18:56

Tgt Ion:106 Resp: 18533

Ion Ratio Lower Upper

106 100

91 225.6 148.9 276.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

