

Data File : VU023565.D
Acq On : 01 May 2018 20:15
Operator : MD/SY
Sample : J2621-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 02 03:17:06 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	350010	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	321841	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	162216	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	97569	39.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.66%
7) Chloroethane-d5	1.68	69	77296	40.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.76%
11) 1,1-Dichloroethene-d2	2.27	63	144738	29.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.86%#
21) 2-Butanone-d5	4.18	46	191027	111.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.46%
24) Chloroform-d	4.65	84	188282	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
26) 1,2-Dichloroethane-d4	5.31	65	125634	44.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.06%
32) Benzene-d6	5.35	84	391895	45.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.76%
36) 1,2-Dichloropropane-d6	6.34	67	137931	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.38%
41) Toluene-d8	7.57	98	354267	44.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.85	79	57291	46.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.02%
47) 2-Hexanone-d5	8.31	63	139257	126.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.79%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	182526	48.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.58%
64) 1,2-Dichlorobenzene-d4	11.87	152	146753	46.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.74%

Target Compounds

						Qvalue
13) Acetone	2.32	43	37893	14.88	ug/L	99
15) Methyl Acetate	2.62	43	18056	5.35	ug/L	99
16) Methylene chloride	2.70	84	399479	125.29	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	47846	15.42	ug/L	99
22) 2-Butanone	4.27	43	16542	5.84	ug/L	96
30) 1,1,1-Trichloroethane	4.92	97	52750	12.94	ug/L	100
31) Carbon tetrachloride	4.92	117	7348	2.07	ug/L	97
34) Trichloroethene	6.19	95	454160	156.29	ug/L	99
42) Toluene	7.64	91	48210	4.10	ug/L	96
45) 1,1,2-Trichloroethane	8.08	97	7751	2.81	ug/L	95
48) 2-Hexanone	8.31	43	16941	4.90	ug/L #	65
52) Ethylbenzene	9.25	91	331781	26.04	ug/L	100
53) m,p-Xylene	9.38	106	568970	117.07	ug/L	99
54) o-xylene	9.78	106	268035	58.21	ug/L	98
55) Styrene	9.78	104	14539	1.80	ug/L #	1
59) 1,2,3-Trichloropropane	11.49	75	19280	5.37	ug/L	93

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050118\
Quantitation Report (Not Reviewed)

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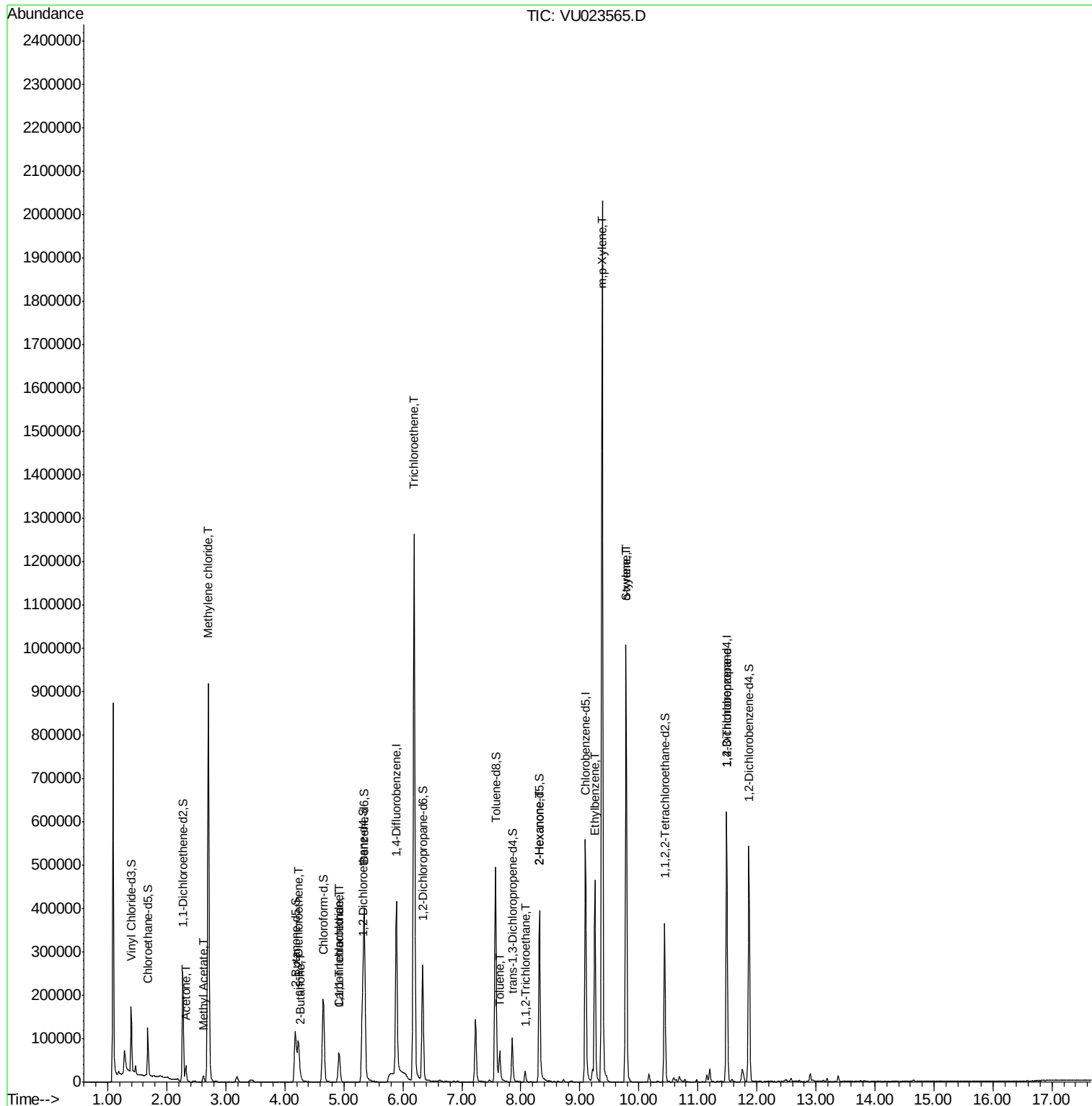
Quant Time: May 02 03:17:06 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 02 03:12:05 2018
Response via : Initial Calibration

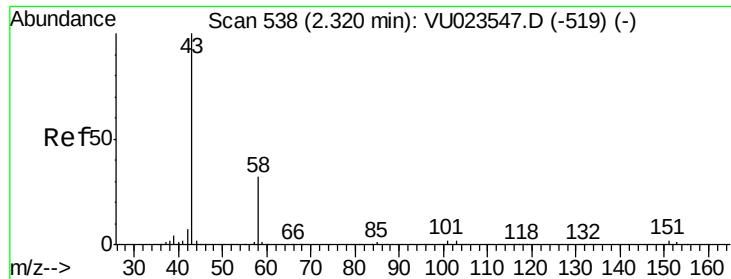
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 14.88 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU023565.D

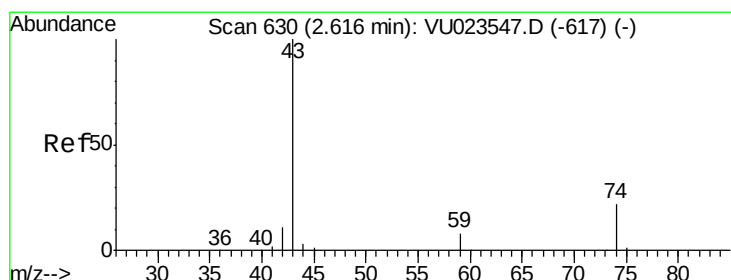
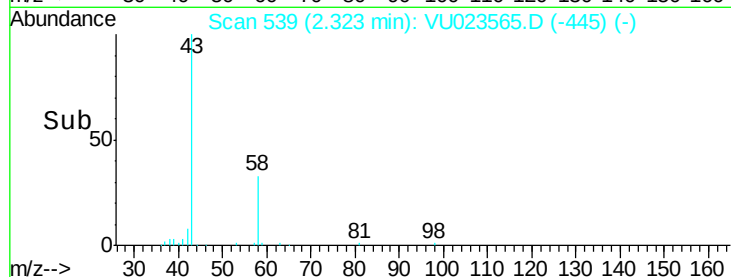
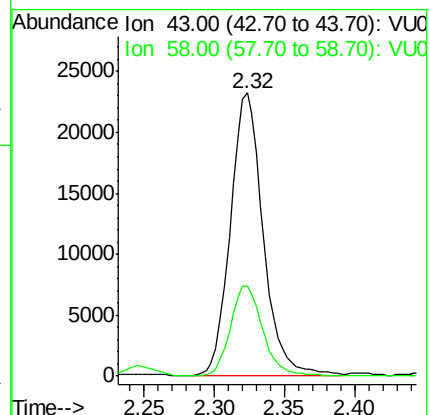
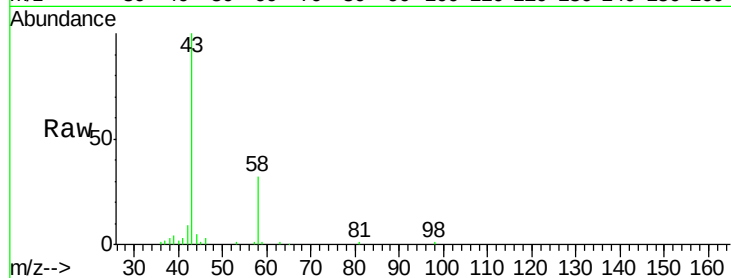
Acq: 01 May 2018 20:15

Tgt Ion: 43 Resp: 37893

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.8



#15

Methyl Acetate

Concen: 5.35 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU023565.D

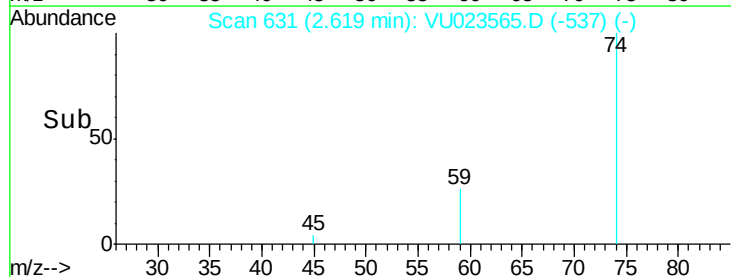
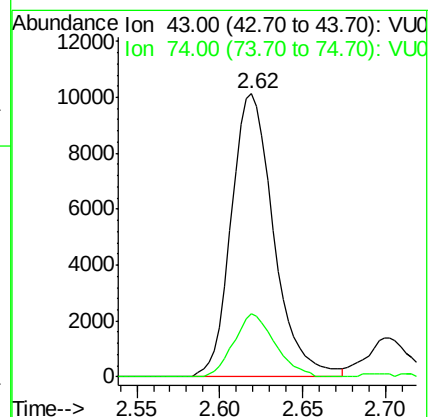
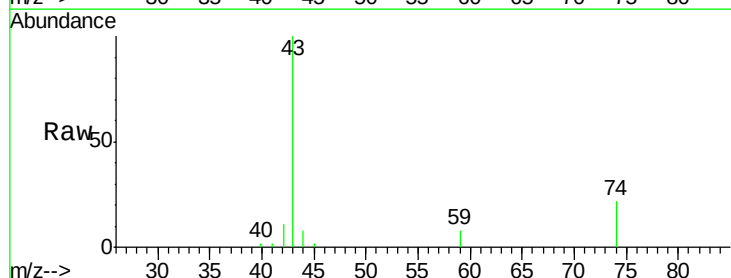
Acq: 01 May 2018 20:15

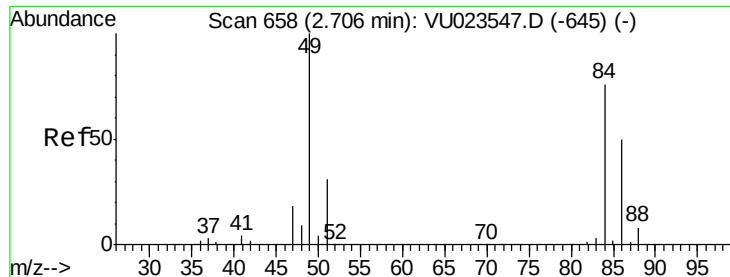
Tgt Ion: 43 Resp: 18056

Ion Ratio Lower Upper

43 100

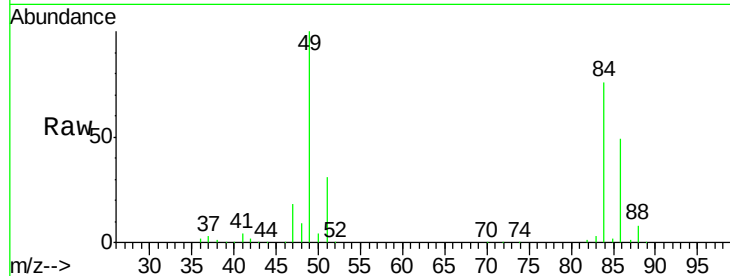
74 21.6 17.5 26.3



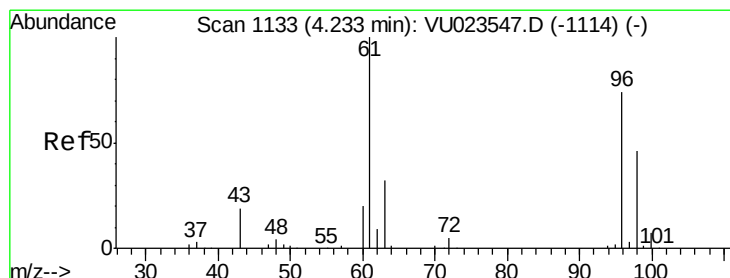
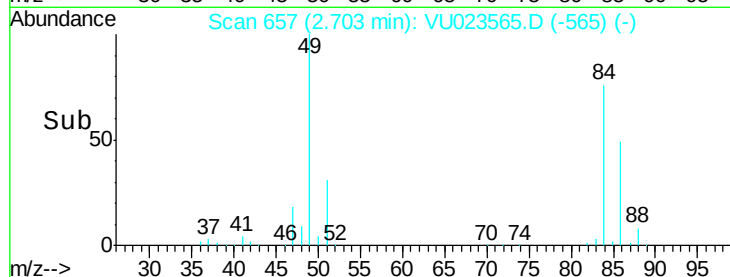
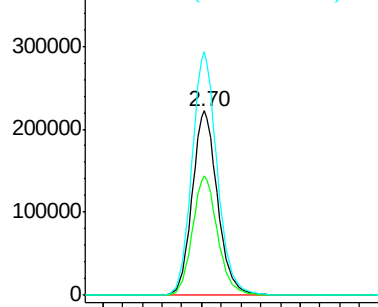


#16
Methylene chloride
Concen: 125.29 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023565.D
Acq: 01 May 2018 20:15

Tgt Ion: 84 Resp: 399479
Ion Ratio Lower Upper
84 100
86 64.7 45.6 84.8
49 132.2 91.9 170.7

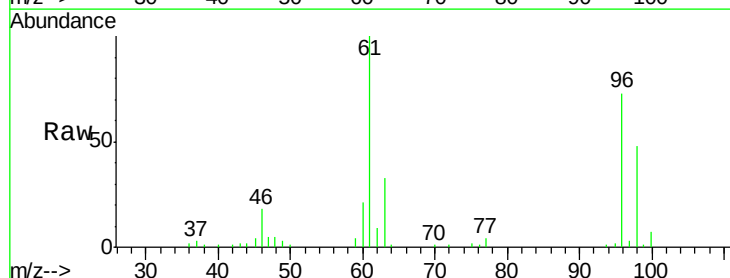


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

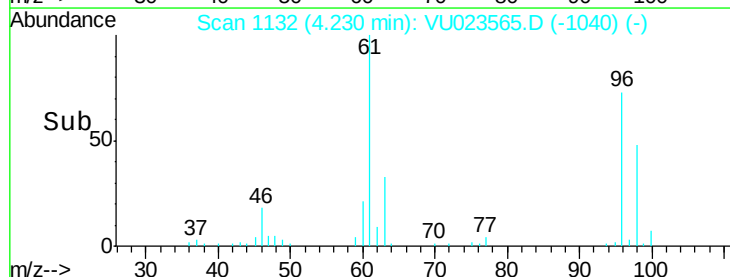
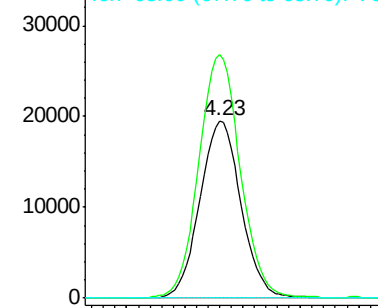


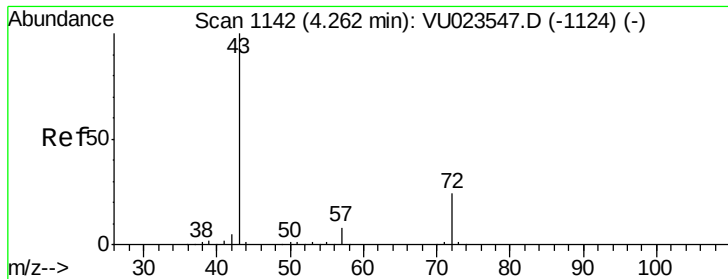
#20
cis-1,2-Dichloroethene
Concen: 15.42 ug/L
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU023565.D
Acq: 01 May 2018 20:15

Tgt Ion: 96 Resp: 47846
Ion Ratio Lower Upper
96 100
61 137.5 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: 5.84 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU023565.D

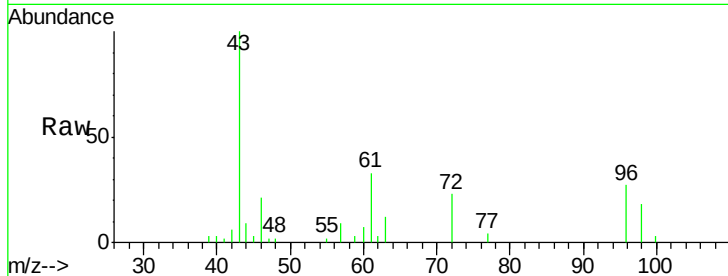
Acq: 01 May 2018 20:15

Tgt Ion: 43 Resp: 16542

Ion Ratio Lower Upper

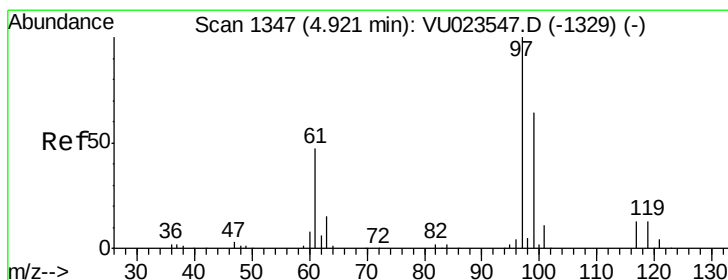
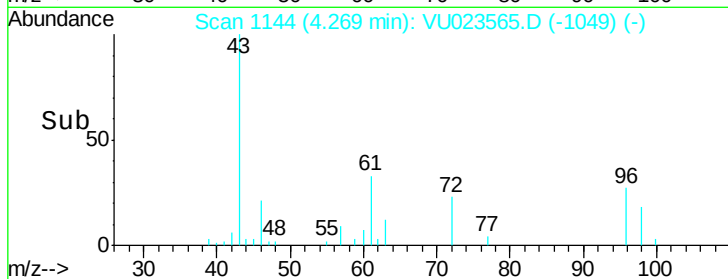
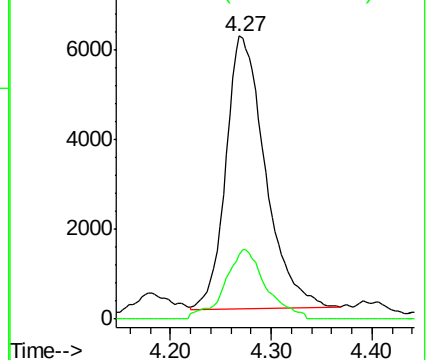
43 100

72 26.7 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: 12.94 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU023565.D

Acq: 01 May 2018 20:15

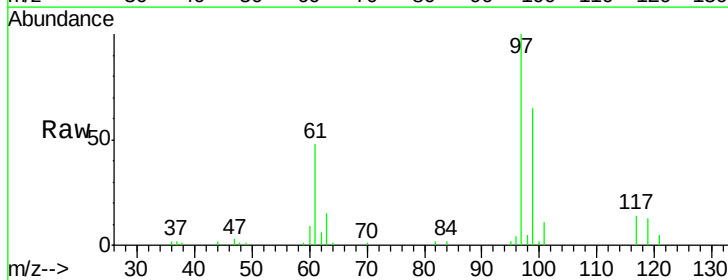
Tgt Ion: 97 Resp: 52750

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

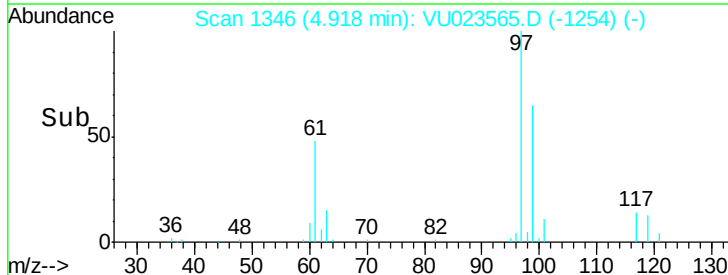
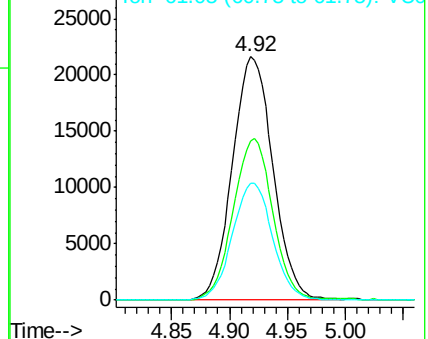
61 47.4 37.7 56.5

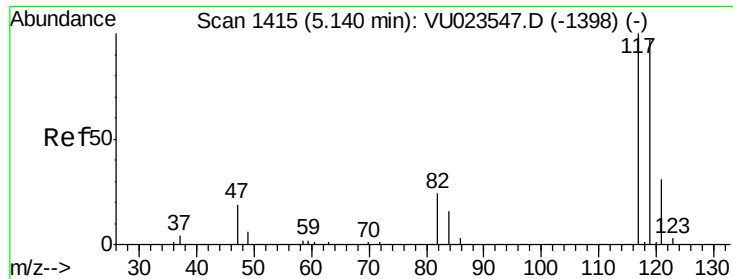


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 2.07 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.22 min

Lab File: VU023565.D

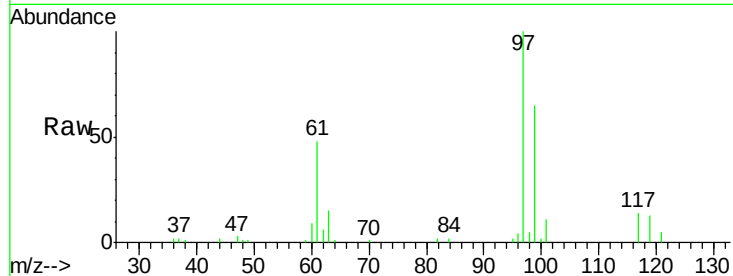
Acq: 01 May 2018 20:15

Tgt Ion: 117 Resp: 7348

Ion Ratio Lower Upper

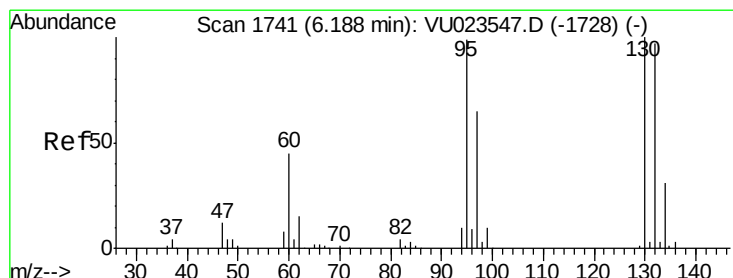
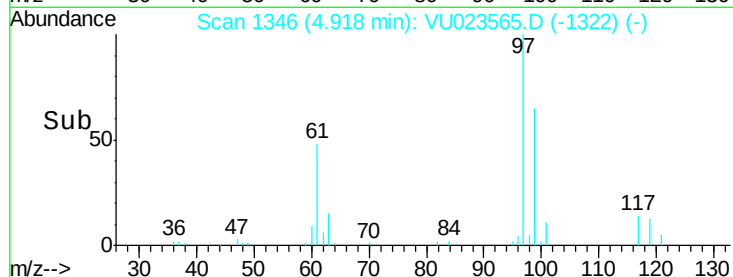
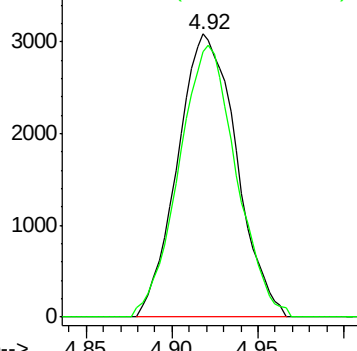
117 100

119 93.7 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: 156.29 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023565.D

Acq: 01 May 2018 20:15

Tgt Ion: 95 Resp: 454160

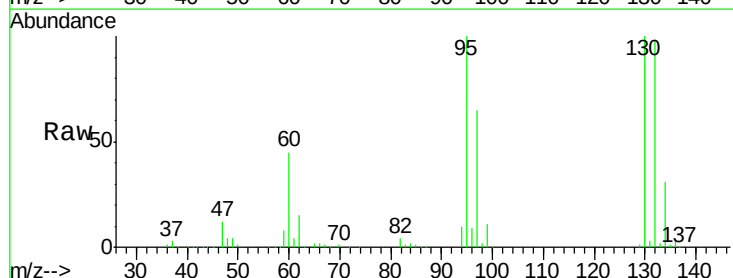
Ion Ratio Lower Upper

95 100

97 65.1 46.3 85.9

132 97.8 68.5 127.1

130 99.6 70.8 131.4

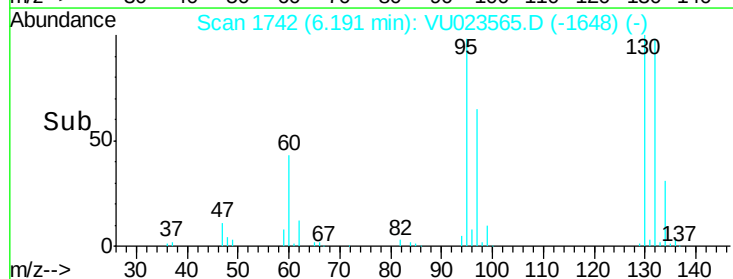
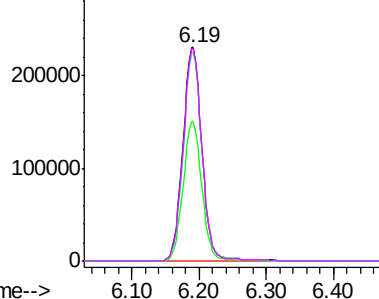


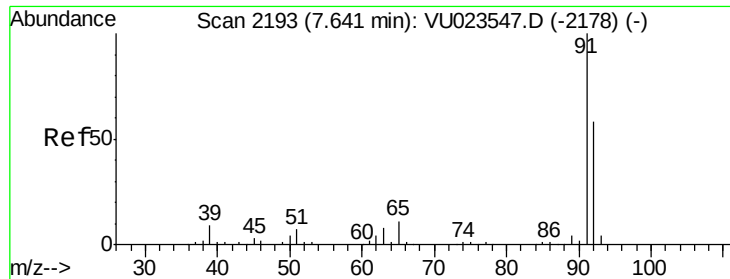
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 4.10 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU023565.D

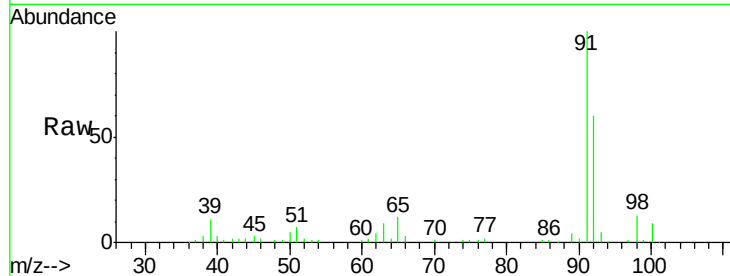
Acq: 01 May 2018 20:15

Tgt Ion: 91 Resp: 48210

Ion Ratio Lower Upper

91 100

92 60.3 40.3 74.9

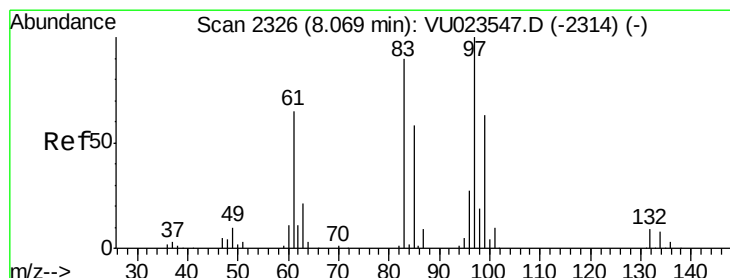
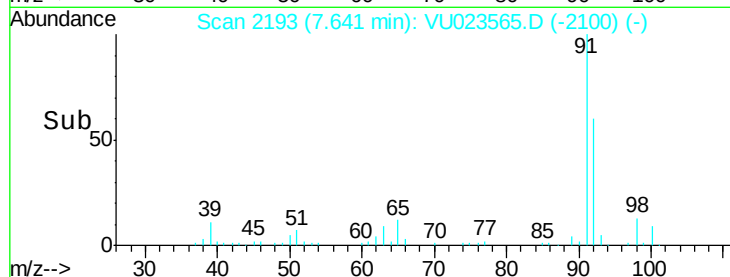


Abundance Ion 91.00 (90.70 to 91.70): VU023547.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU023547.D (-2178) (-)

7.64

Time-->



#45

1,1,2-Trichloroethane

Concen: 2.81 ug/L

RT: 8.08 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VU023565.D

Acq: 01 May 2018 20:15

Tgt Ion: 97 Resp: 7751

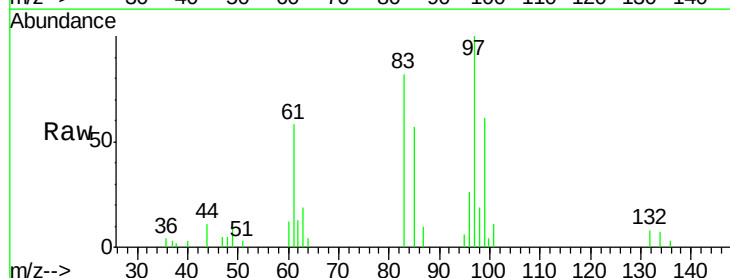
Ion Ratio Lower Upper

97 100

99 60.9 44.2 82.2

83 81.7 63.1 117.1

85 56.5 40.3 74.8



Abundance Ion 97.00 (96.70 to 97.70): VU023547.D (-2314) (-)

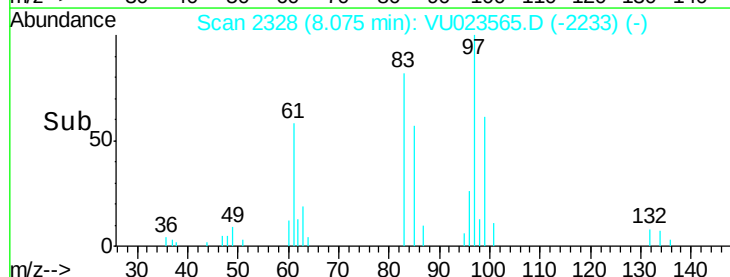
Ion 99.00 (98.70 to 99.70): VU023547.D (-2314) (-)

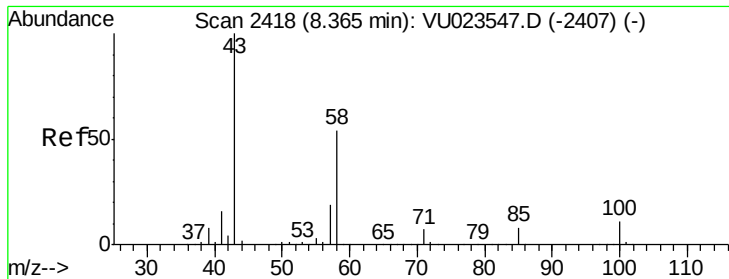
Ion 83.00 (82.70 to 83.70): VU023547.D (-2314) (-)

Ion 85.00 (84.70 to 85.70): VU023547.D (-2314) (-)

8.08

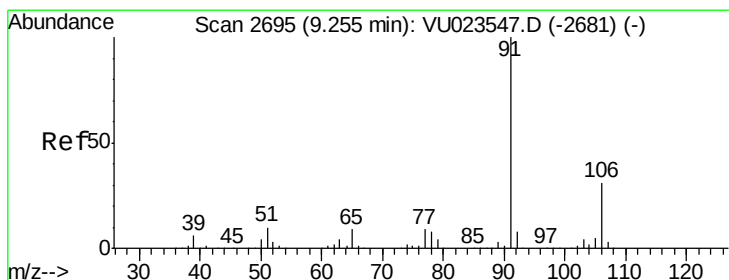
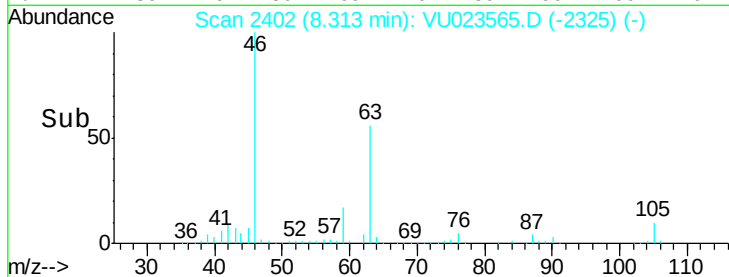
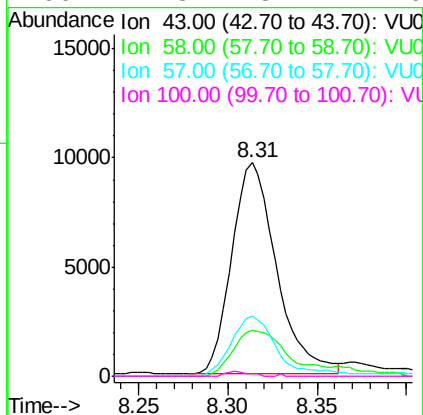
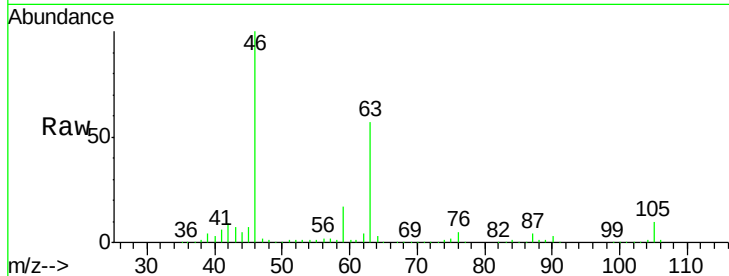
Time-->





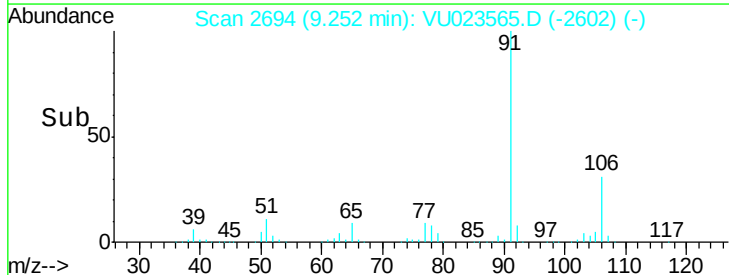
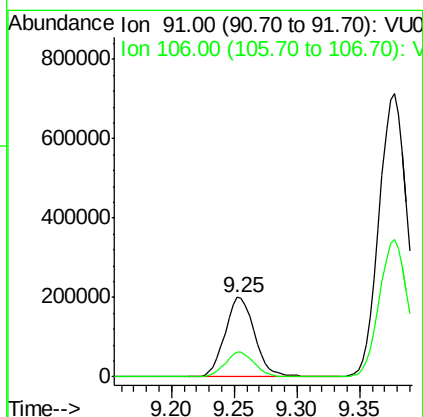
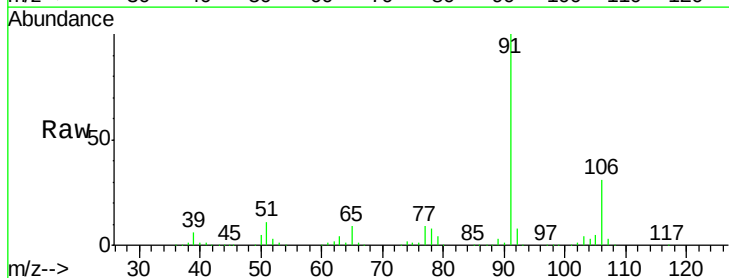
#48
2-Hexanone
Concen: 4.90 ug/L
RT: 8.31 min Scan# 2402
Delta R.T. -0.05 min
Lab File: VU023565.D
Acq: 01 May 2018 20:15

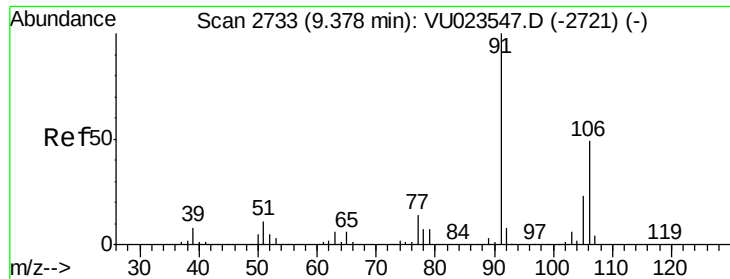
Tgt Ion:	43	Resp:	16941
Ion	Ratio	Lower	Upper
43	100		
58	24.0	43.0	64.6#
57	28.0	14.6	22.0#
100	1.3	8.4	12.6#



#52
Ethylbenzene
Concen: 26.04 ug/L
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU023565.D
Acq: 01 May 2018 20:15

Tgt Ion:	91	Resp:	331781
Ion	Ratio	Lower	Upper
91	100		
106	30.8	21.6	40.0





#53

m,p-Xylene

Concen: 117.07 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU023565.D

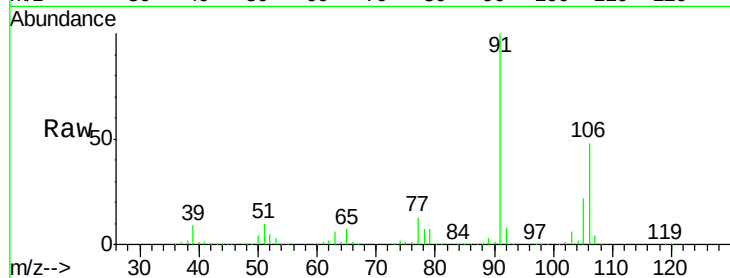
Acq: 01 May 2018 20:15

Tgt Ion:106 Resp: 568970

Ion Ratio Lower Upper

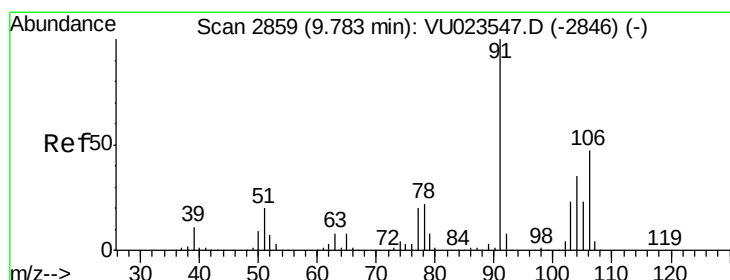
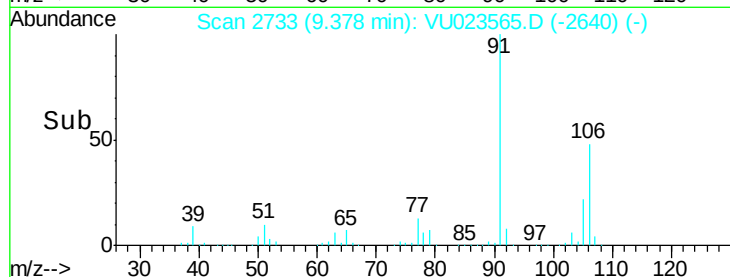
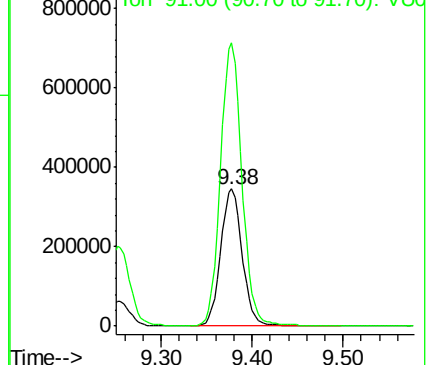
106 100

91 206.6 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 58.21 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU023565.D

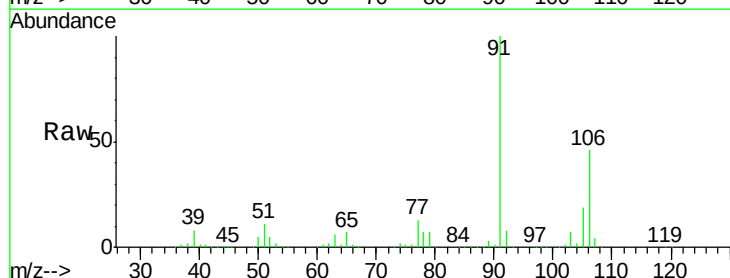
Acq: 01 May 2018 20:15

Tgt Ion:106 Resp: 268035

Ion Ratio Lower Upper

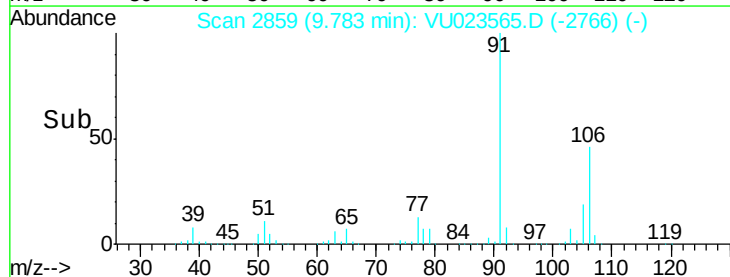
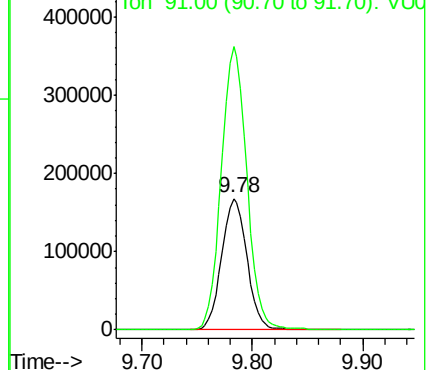
106 100

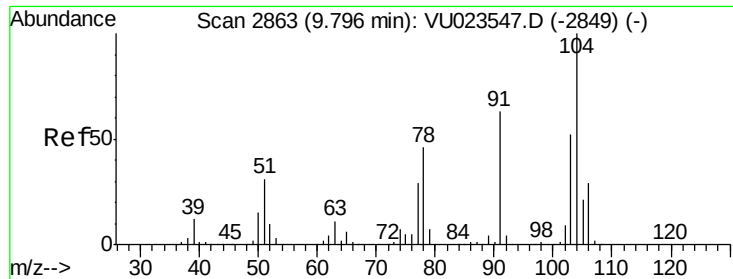
91 215.6 148.9 276.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 1.80 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.01 min

Lab File: VU023565.D

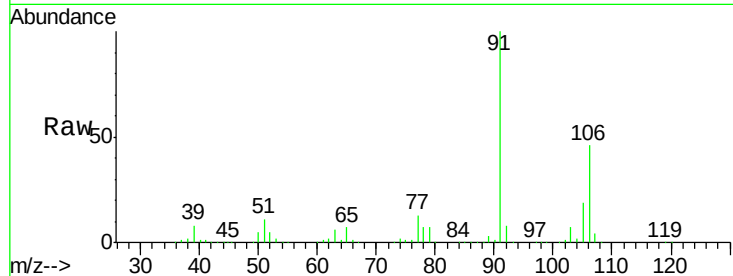
Acq: 01 May 2018 20:15

Tgt Ion: 104 Resp: 14539

Ion Ratio Lower Upper

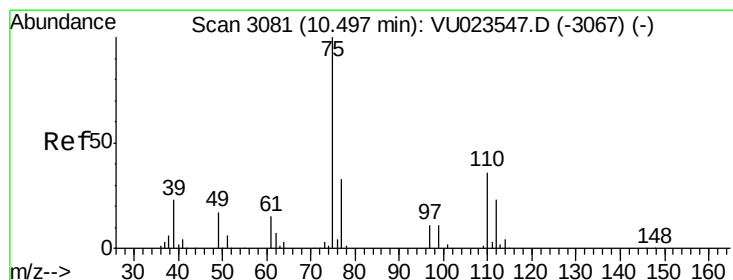
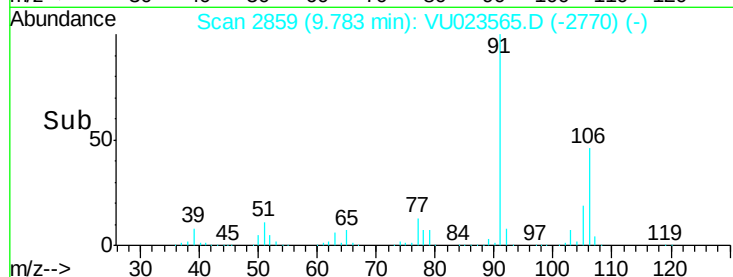
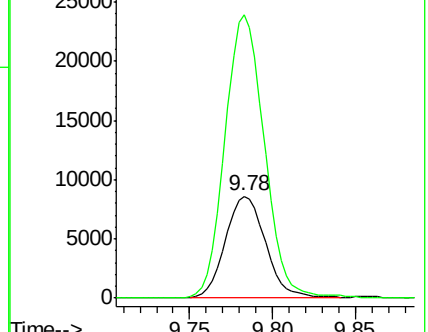
104 100

78 277.3 32.1 59.7#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.37 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU023565.D

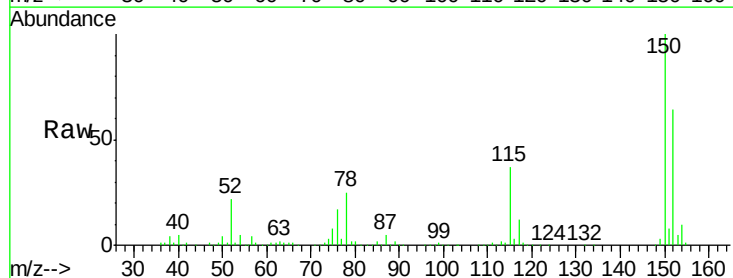
Acq: 01 May 2018 20:15

Tgt Ion: 75 Resp: 19280

Ion Ratio Lower Upper

75 100

77 36.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

