

Data File : VU023566.D
Acq On : 01 May 2018 20:42
Operator : MD/SY
Sample : J2621-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 02 03:17:22 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	356990	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	332466	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	167269	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	96952	38.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.64%
7) Chloroethane-d5	1.68	69	78478	40.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.38%
11) 1,1-Dichloroethene-d2	2.27	63	147791	29.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.92%#
21) 2-Butanone-d5	4.18	46	198005	113.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.27%
24) Chloroform-d	4.65	84	190742	45.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.18%
26) 1,2-Dichloroethane-d4	5.31	65	130068	44.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.40%
32) Benzene-d6	5.35	84	397868	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.34	67	139782	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.56%
41) Toluene-d8	7.57	98	357563	43.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.96%
43) trans-1,3-Dichloropropene-	7.85	79	59293	46.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.20%
47) 2-Hexanone-d5	8.31	63	143841	126.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.77%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	187944	48.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.26%
64) 1,2-Dichlorobenzene-d4	11.87	152	149030	45.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.34%

Target Compounds

						Qvalue
12) 1,1-Dichloroethene	2.28	96	4464	1.71	ug/L	# 1
13) Acetone	2.32	43	12757	4.91	ug/L	98
15) Methyl Acetate	2.62	43	17654	5.13	ug/L	99
16) Methylene chloride	2.70	84	344498	105.94	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	11260	3.56	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	863780	205.12	ug/L	99
31) Carbon tetrachloride	4.92	117	115643	31.60	ug/L	100
34) Trichloroethene	6.19	95	4098308	1365.28	ug/L	97
37) 1,2-Dichloropropane	6.34	63	14483	4.31	ug/L	# 95
40) 4-Methyl-2-pentanone	7.47	43	7611	1.86	ug/L	99
42) Toluene	7.64	91	49787	4.10	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	20054	7.03	ug/L	97
48) 2-Hexanone	8.31	43	17146	4.80	ug/L	# 70
52) Ethylbenzene	9.26	91	389051	29.56	ug/L	100
53) m,p-Xylene	9.38	106	626040	124.70	ug/L	100
54) o-xylene	9.78	106	319499	67.17	ug/L	98
55) Styrene	9.78	104	16254	1.95	ug/L	# 1

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

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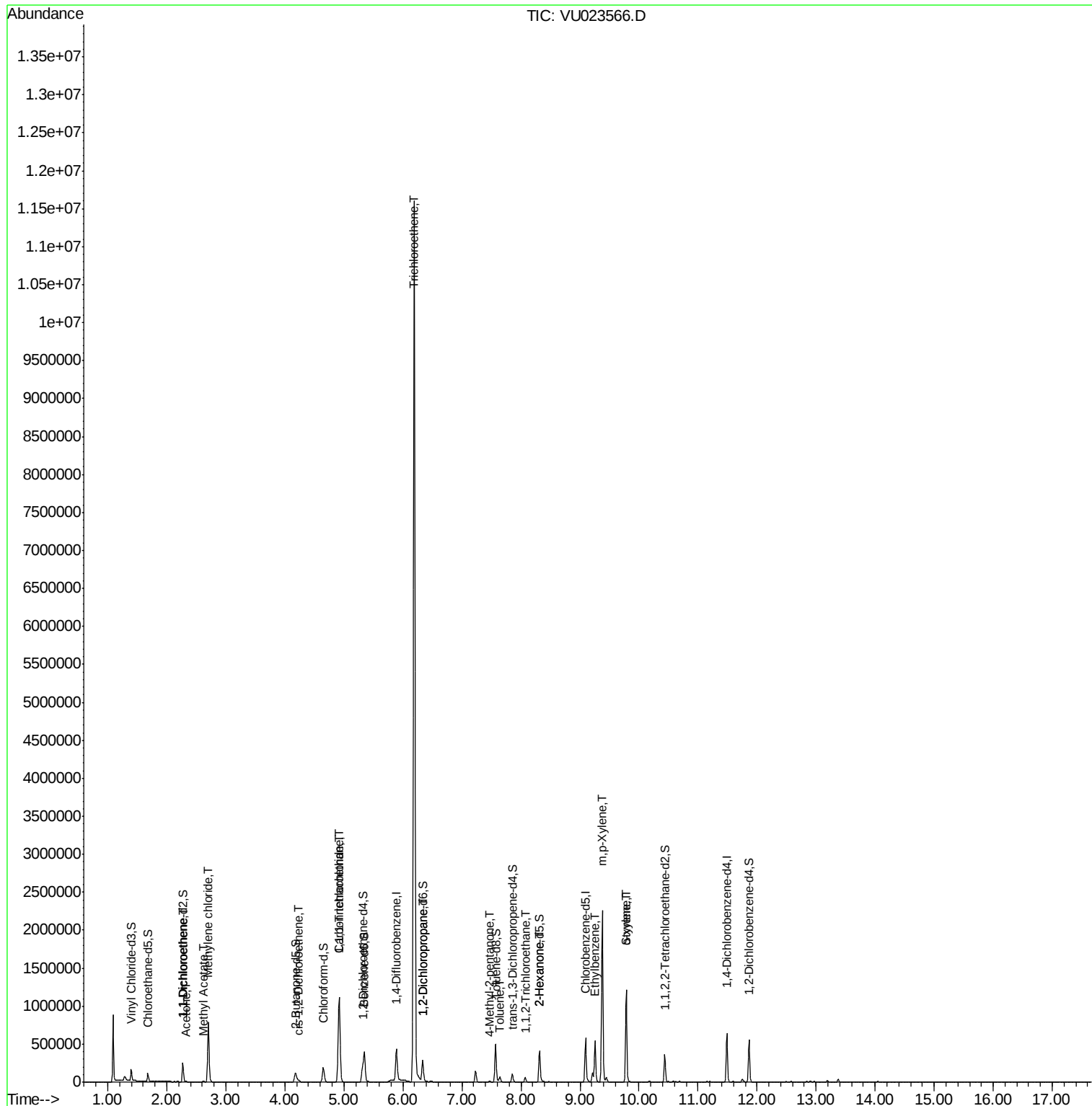
Quant Time: May 02 03:17:22 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 02 03:12:05 2018
Response via : Initial Calibration

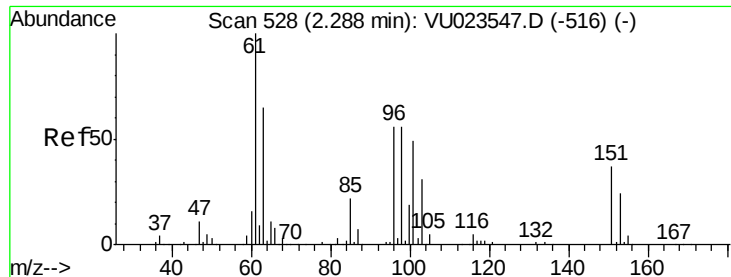
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 1.71 ug/L

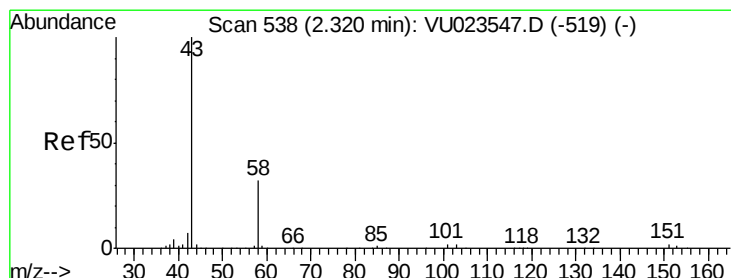
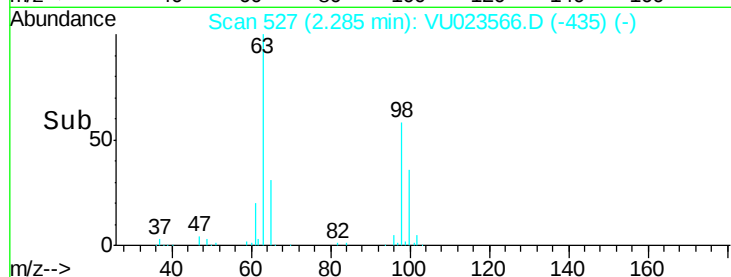
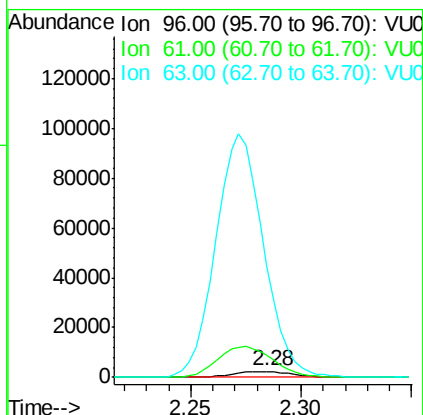
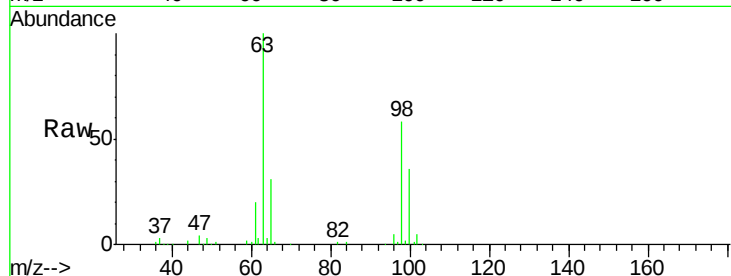
RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU023566.D

Acq: 01 May 2018 20:42

Tgt Ion	Resp	Lower	Upper
96	100		
61	358.0	125.9	233.7#
63	1830.8	84.8	157.6#



#13

Acetone

Concen: 4.91 ug/L

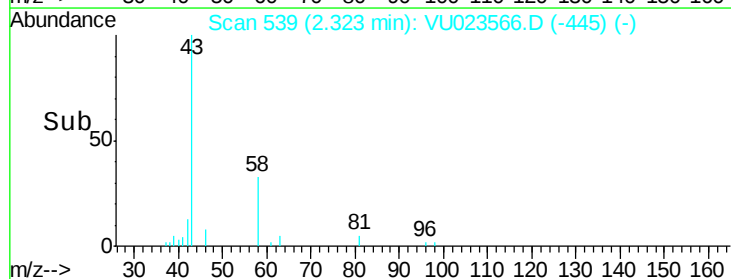
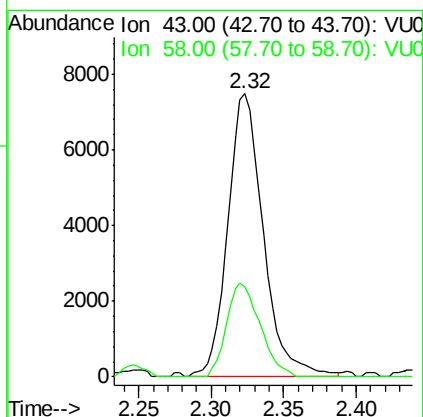
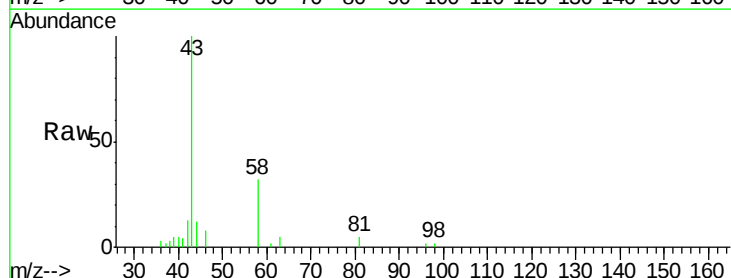
RT: 2.32 min Scan# 539

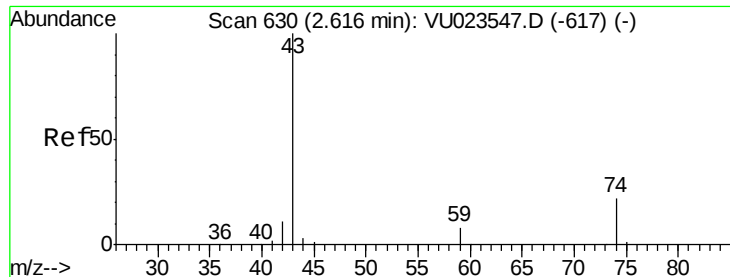
Delta R.T. 0.00 min

Lab File: VU023566.D

Acq: 01 May 2018 20:42

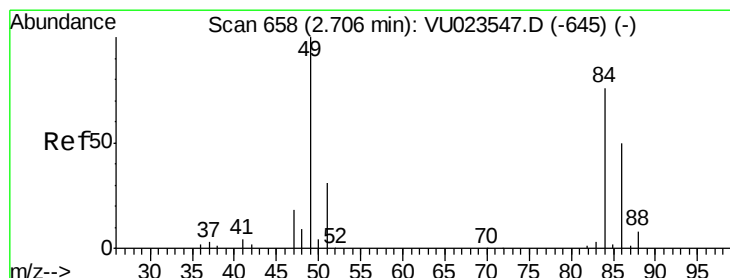
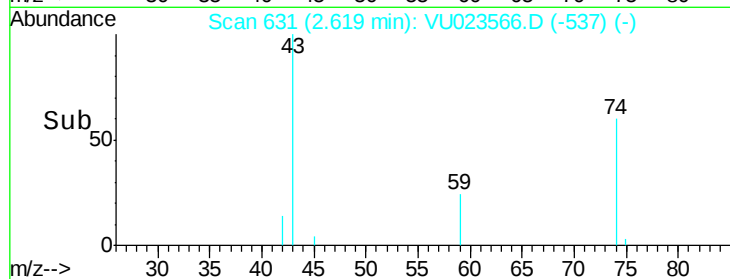
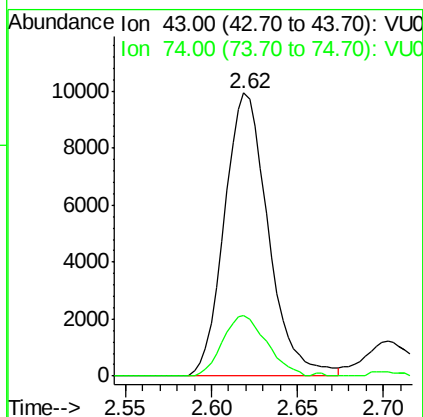
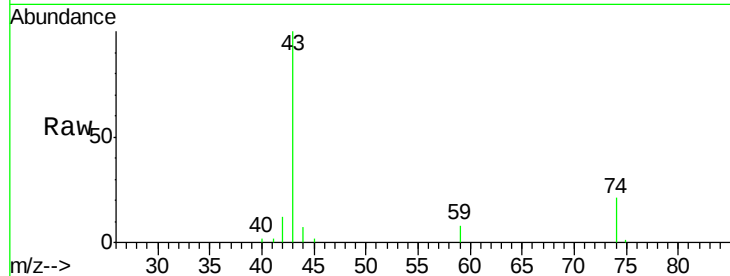
Tgt Ion	Resp	Lower	Upper
43	100		
58	31.1	0.0	64.8





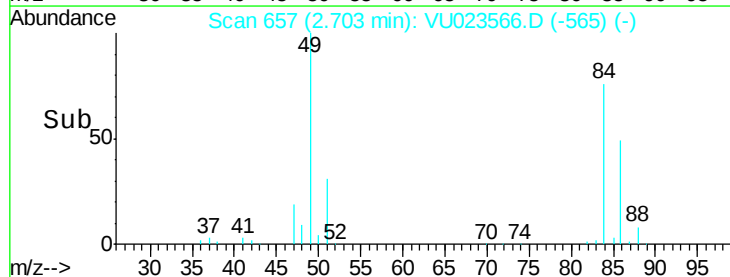
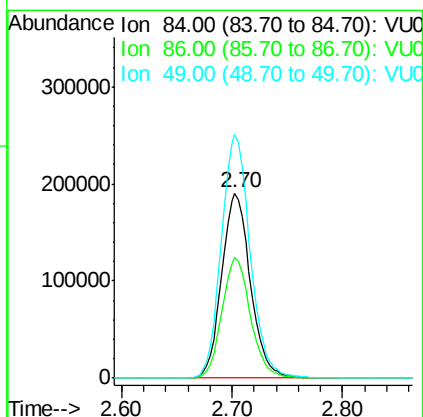
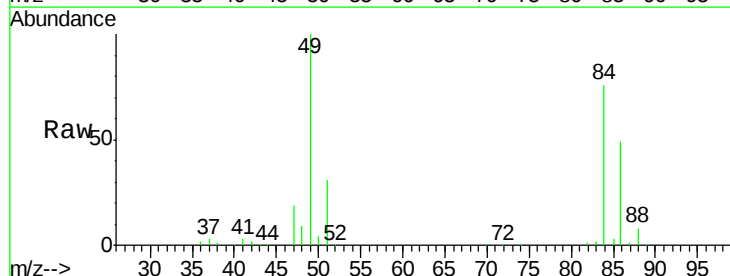
#15
Methyl Acetate
Concen: 5.13 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU023566.D
Acq: 01 May 2018 20:42

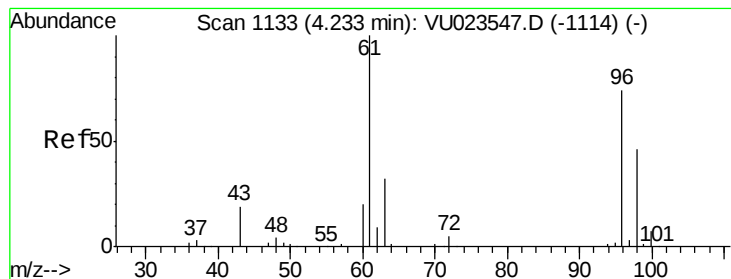
Tgt Ion: 43 Resp: 17654
Ion Ratio Lower Upper
43 100
74 21.4 17.5 26.3



#16
Methylene chloride
Concen: 105.94 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023566.D
Acq: 01 May 2018 20:42

Tgt Ion: 84 Resp: 344498
Ion Ratio Lower Upper
84 100
86 65.1 45.6 84.8
49 131.8 91.9 170.7





#20

cis-1,2-Dichloroethene

Concen: 3.56 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU023566.D

Acq: 01 May 2018 20:42

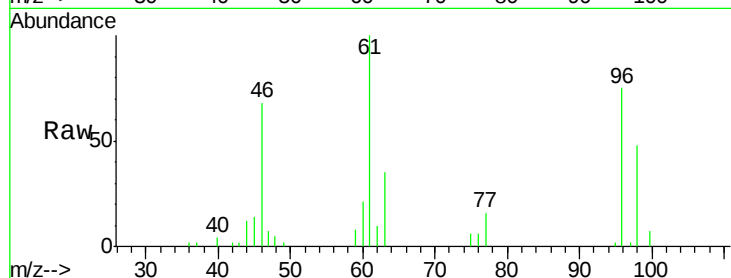
Tgt Ion: 96 Resp: 11260

Ion Ratio Lower Upper

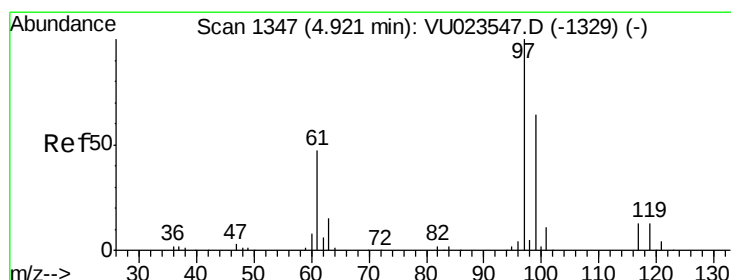
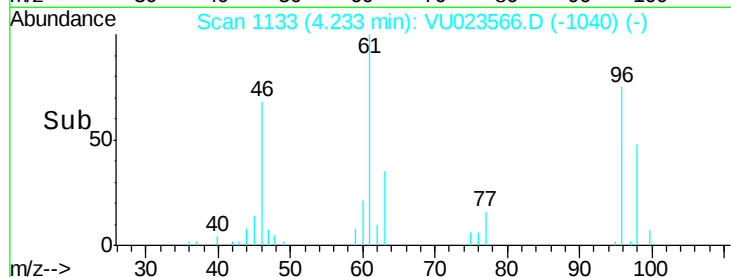
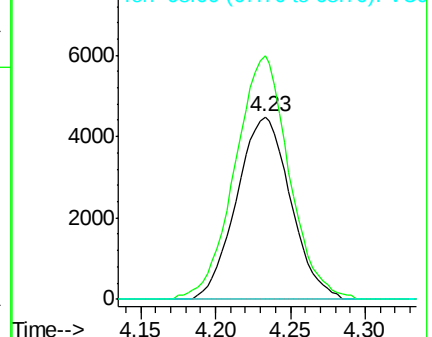
96 100

61 133.3 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: 205.12 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VU023566.D

Acq: 01 May 2018 20:42

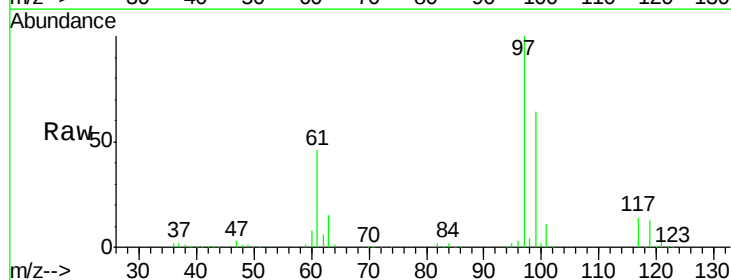
Tgt Ion: 97 Resp: 863780

Ion Ratio Lower Upper

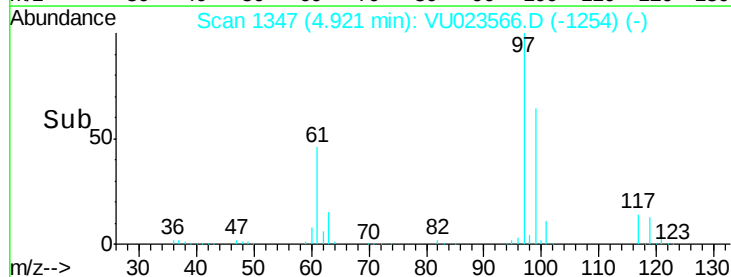
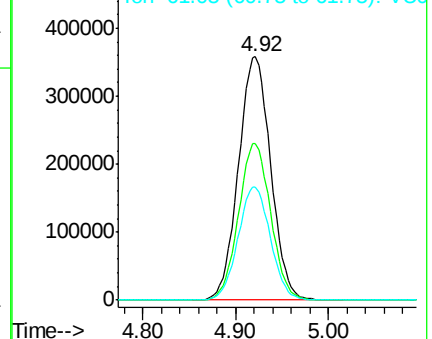
97 100

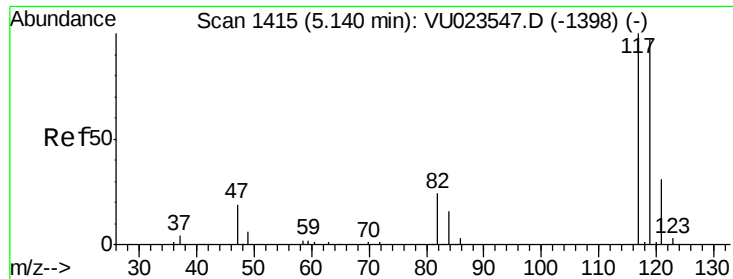
99 64.3 51.8 77.6

61 46.6 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: 31.60 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.22 min

Lab File: VU023566.D

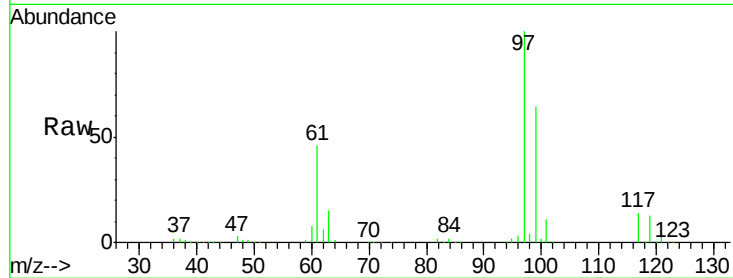
Acq: 01 May 2018 20:42

Tgt Ion: 117 Resp: 115643

Ion Ratio Lower Upper

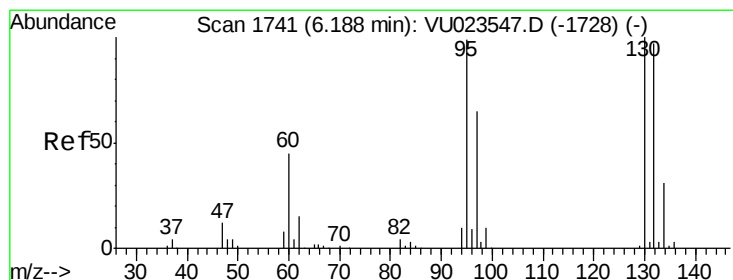
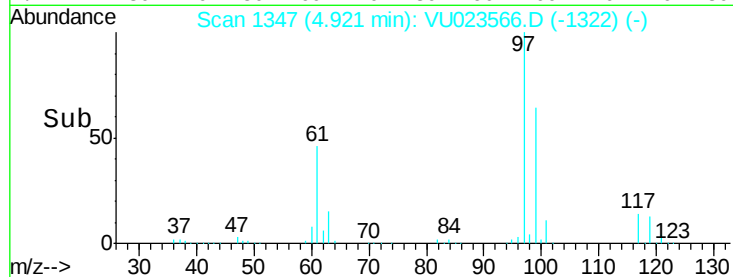
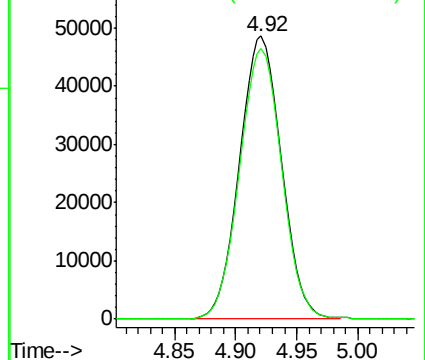
117 100

119 96.3 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: 1365.28 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023566.D

Acq: 01 May 2018 20:42

Tgt Ion: 95 Resp: 4098308

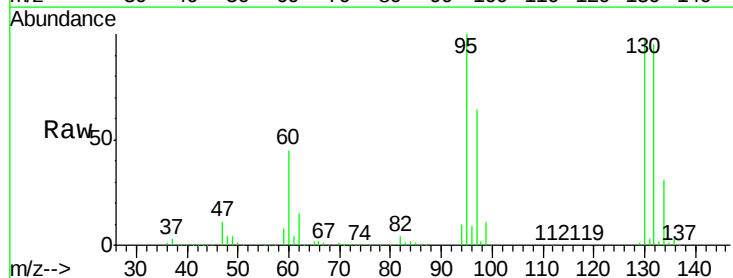
Ion Ratio Lower Upper

95 100

97 64.4 46.3 85.9

132 94.6 68.5 127.1

130 98.2 70.8 131.4

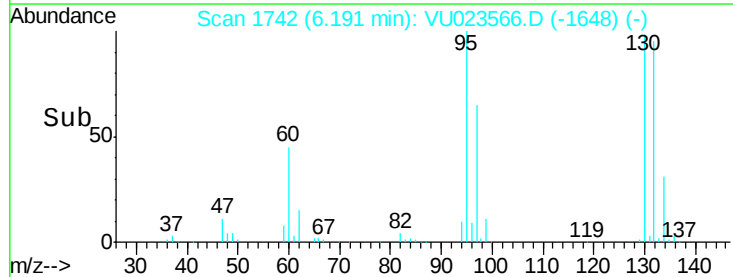
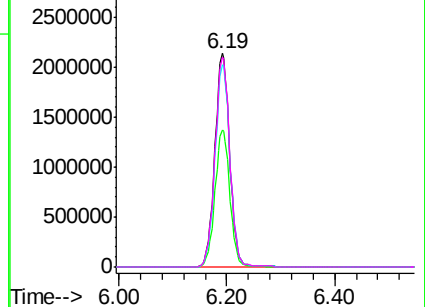


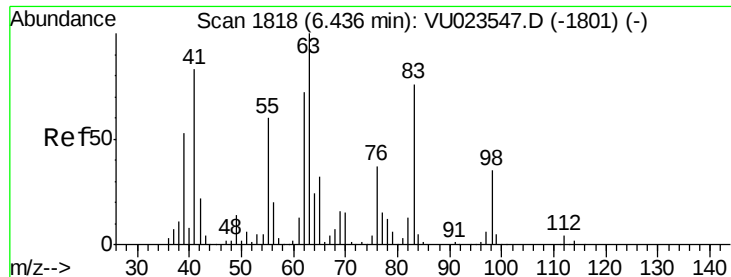
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.31 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU023566.D

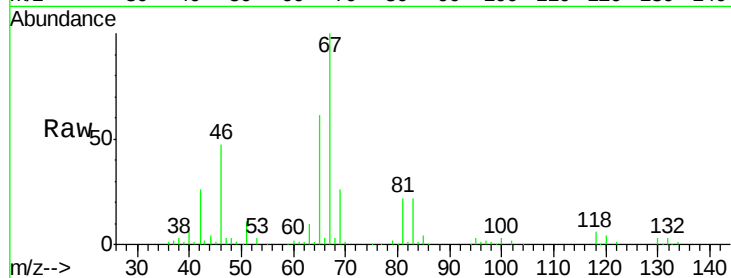
Acq: 01 May 2018 20:42

Tgt Ion: 63 Resp: 14483

Ion Ratio Lower Upper

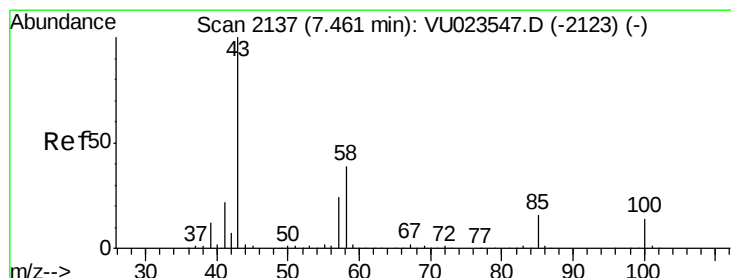
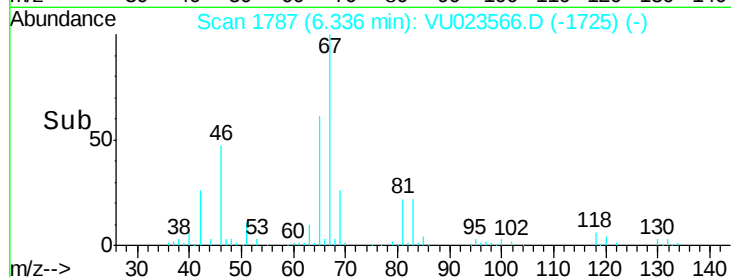
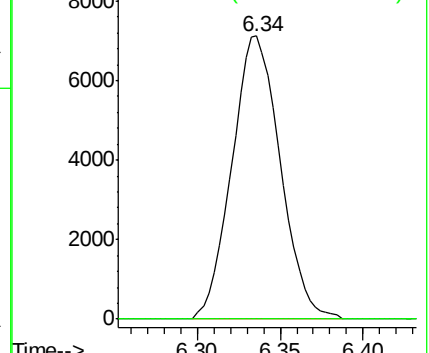
63 100

112 5.6 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#40

4-Methyl-2-pentanone

Concen: 1.86 ug/L

RT: 7.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: VU023566.D

Acq: 01 May 2018 20:42

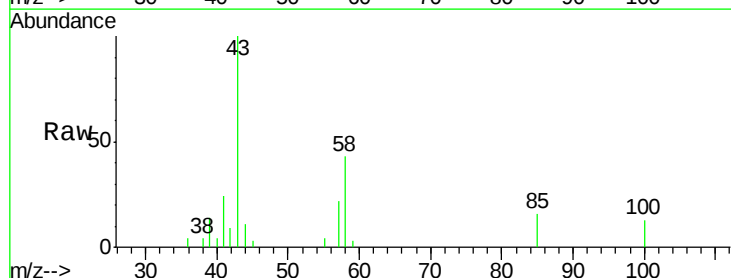
Tgt Ion: 43 Resp: 7611

Ion Ratio Lower Upper

43 100

58 38.4 30.8 46.2

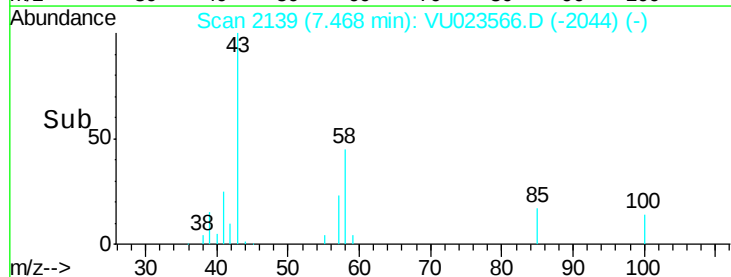
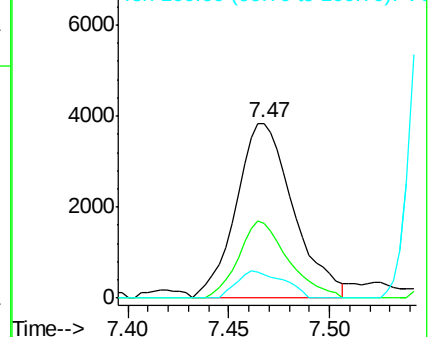
100 12.8 10.7 16.1

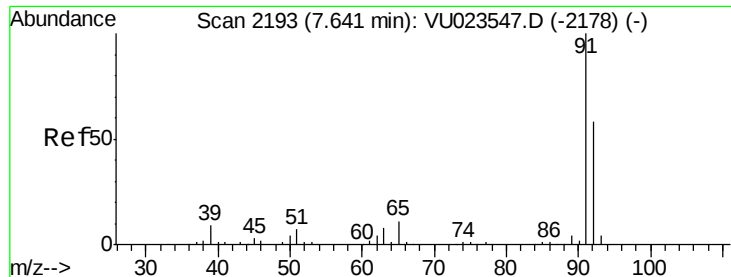


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 4.10 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023566.D

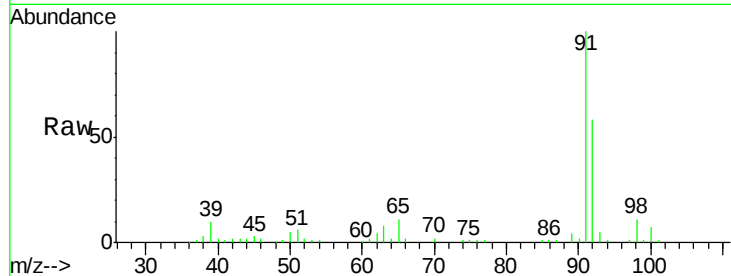
Acq: 01 May 2018 20:42

Tgt Ion: 91 Resp: 49787

Ion Ratio Lower Upper

91 100

92 57.8 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

30000

25000

20000

15000

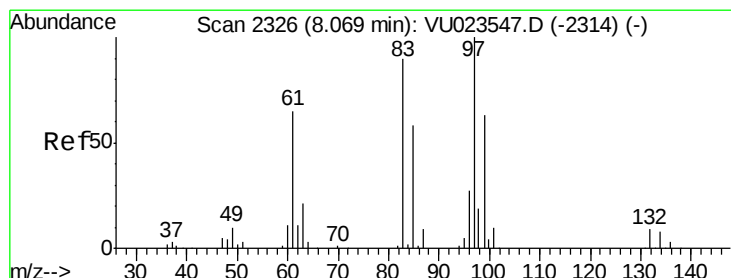
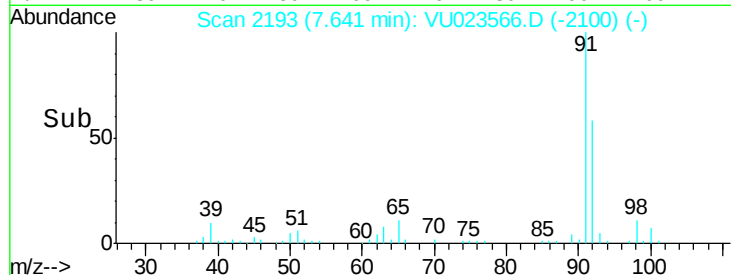
10000

5000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#45

1,1,2-Trichloroethane

Concen: 7.03 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU023566.D

Acq: 01 May 2018 20:42

Tgt Ion: 97 Resp: 20054

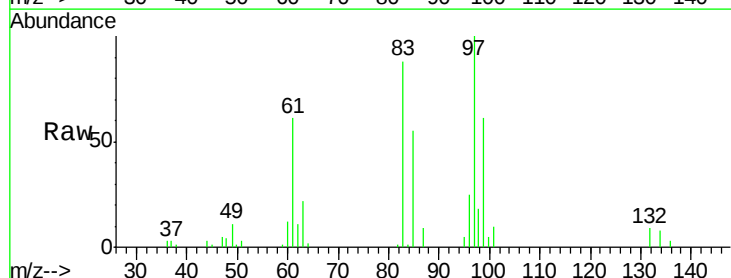
Ion Ratio Lower Upper

97 100

99 61.2 44.2 82.2

83 87.8 63.1 117.1

85 55.3 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) (-)

8.07

15000

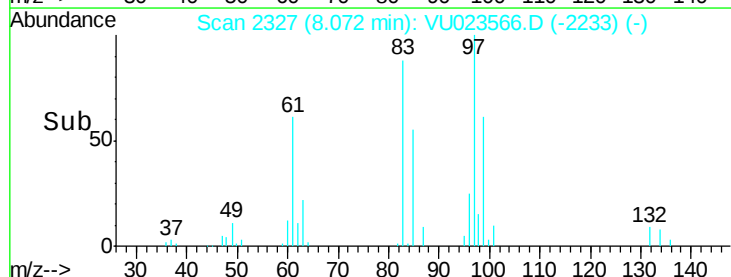
10000

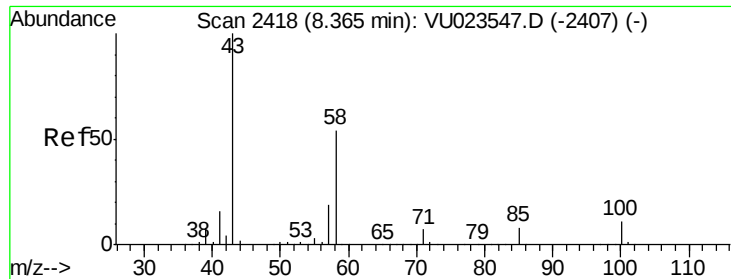
5000

0

Time-->

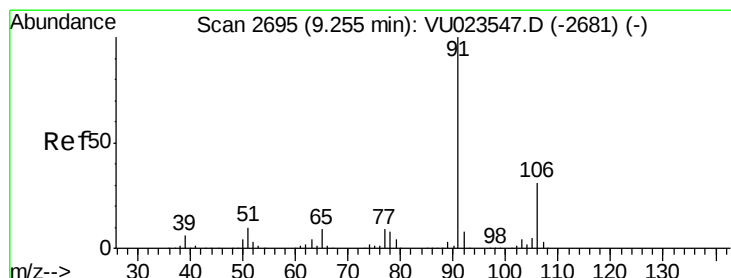
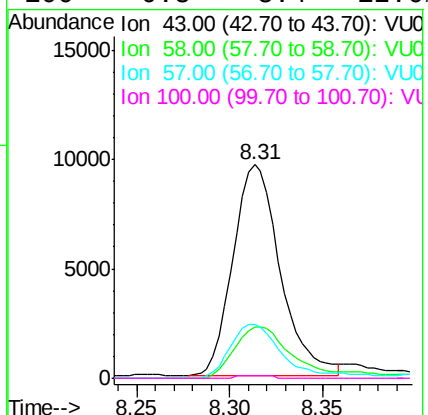
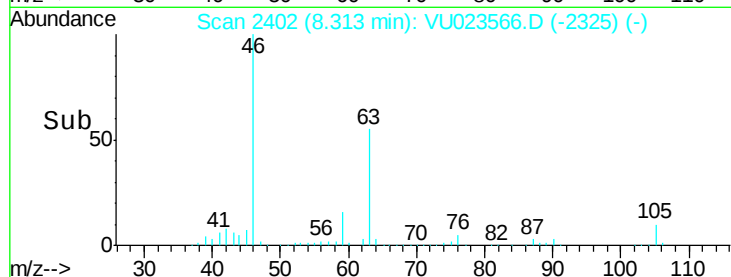
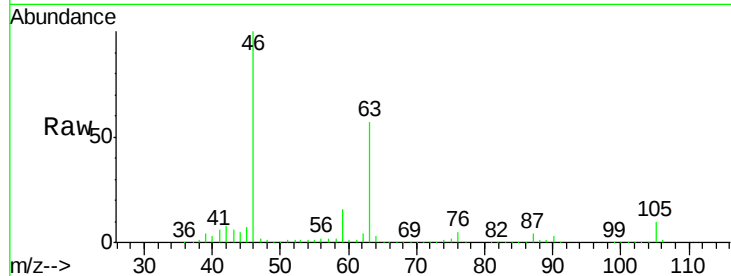
8.00 8.05 8.10





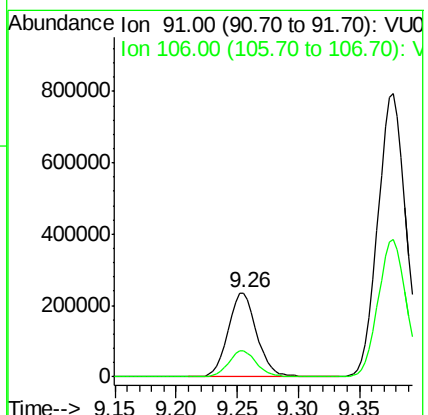
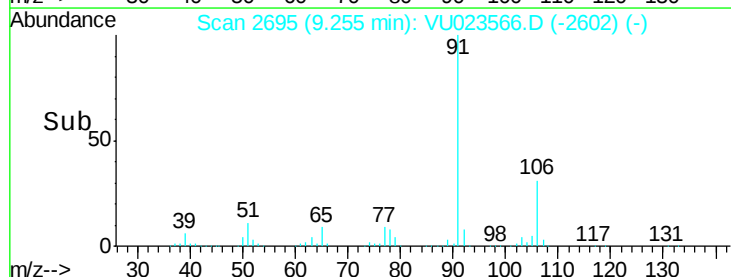
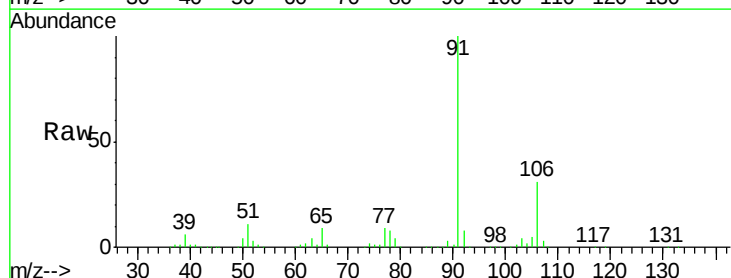
#48
2-Hexanone
Concen: 4.80 ug/L
RT: 8.31 min Scan# 2402
Delta R.T. -0.05 min
Lab File: VU023566.D
Acq: 01 May 2018 20:42

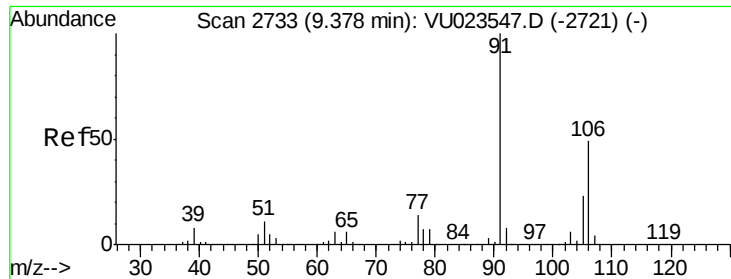
Tgt Ion:	43	Resp:	17146
Ion	Ratio	Lower	Upper
43	100		
58	28.8	43.0	64.6#
57	26.6	14.6	22.0#
100	0.8	8.4	12.6#



#52
Ethylbenzene
Concen: 29.56 ug/L
RT: 9.26 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU023566.D
Acq: 01 May 2018 20:42

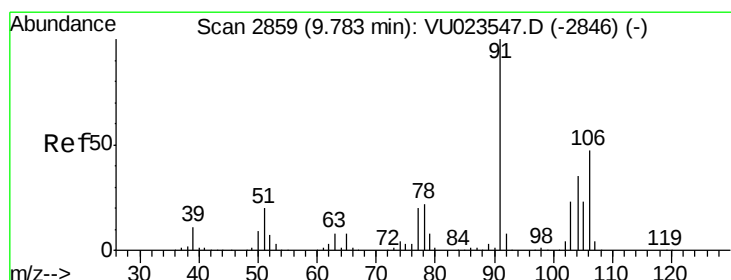
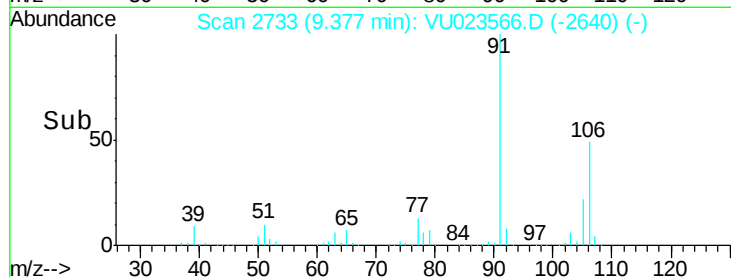
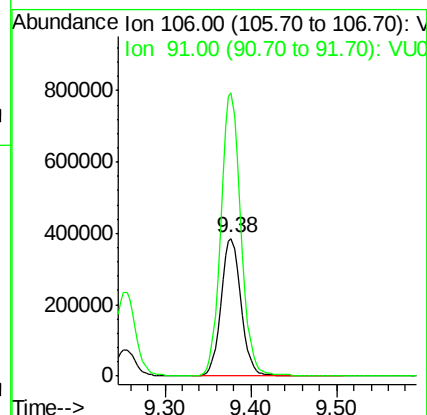
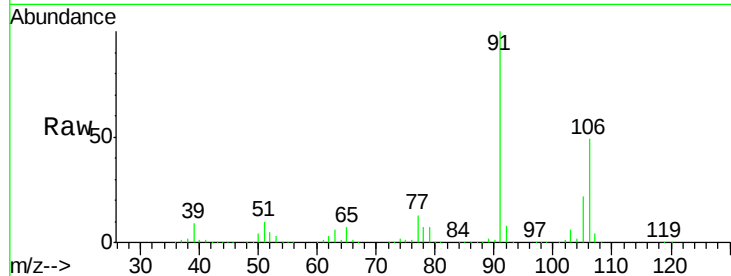
Tgt Ion:	91	Resp:	389051
Ion	Ratio	Lower	Upper
91	100		
106	31.0	21.6	40.0





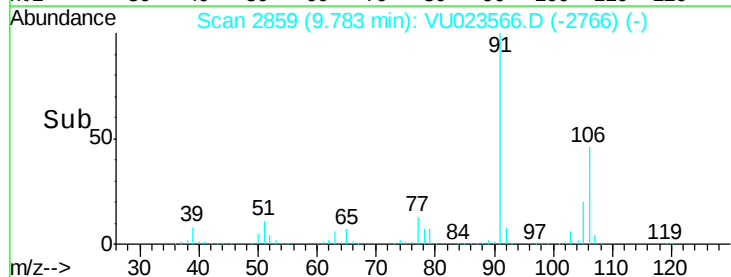
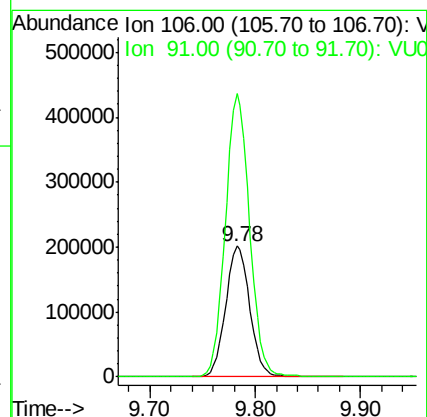
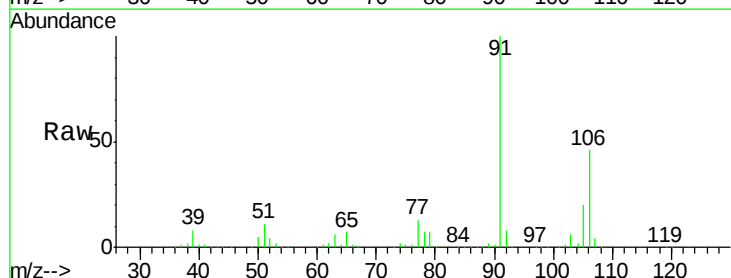
#53
m,p-Xylene
Concen: 124.70 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU023566.D
Acq: 01 May 2018 20:42

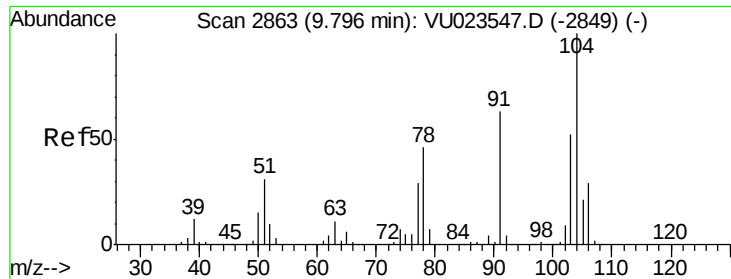
Tgt Ion:106 Resp: 626040
Ion Ratio Lower Upper
106 100
91 205.5 144.1 267.5



#54
o-xylene
Concen: 67.17 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU023566.D
Acq: 01 May 2018 20:42

Tgt Ion:106 Resp: 319499
Ion Ratio Lower Upper
106 100
91 216.3 148.9 276.5





#55

Styrene

Concen: 1.95 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. -0.01 min

Lab File: VU023566.D

Acq: 01 May 2018 20:42

Tgt Ion:104 Resp: 16254

Ion Ratio Lower Upper

104 100

78 292.7 32.1 59.7#

