

Data File : VU023555.D
Acq On : 01 May 2018 15:53
Operator : MD/SY
Sample : J2558-07MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 02 03:14:33 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	276812	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	260953	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	123411	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	99564	50.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.50%
7) Chloroethane-d5	1.68	69	77465	51.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.60%
11) 1,1-Dichloroethene-d2	2.27	63	193649	50.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.26%
21) 2-Butanone-d5	4.18	46	151994	112.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.13%
24) Chloroform-d	4.65	84	179565	55.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.68%
26) 1,2-Dichloroethane-d4	5.31	65	121144	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.38%
32) Benzene-d6	5.35	84	378927	54.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.24%
36) 1,2-Dichloropropane-d6	6.34	67	129767	55.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.66%
41) Toluene-d8	7.57	98	350801	54.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.70%
43) trans-1,3-Dichloropropene-	7.85	79	54510	53.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.98%
47) 2-Hexanone-d5	8.31	63	105748	118.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	118.74%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	162552	53.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.18%
64) 1,2-Dichlorobenzene-d4	11.87	152	138049	57.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.68%

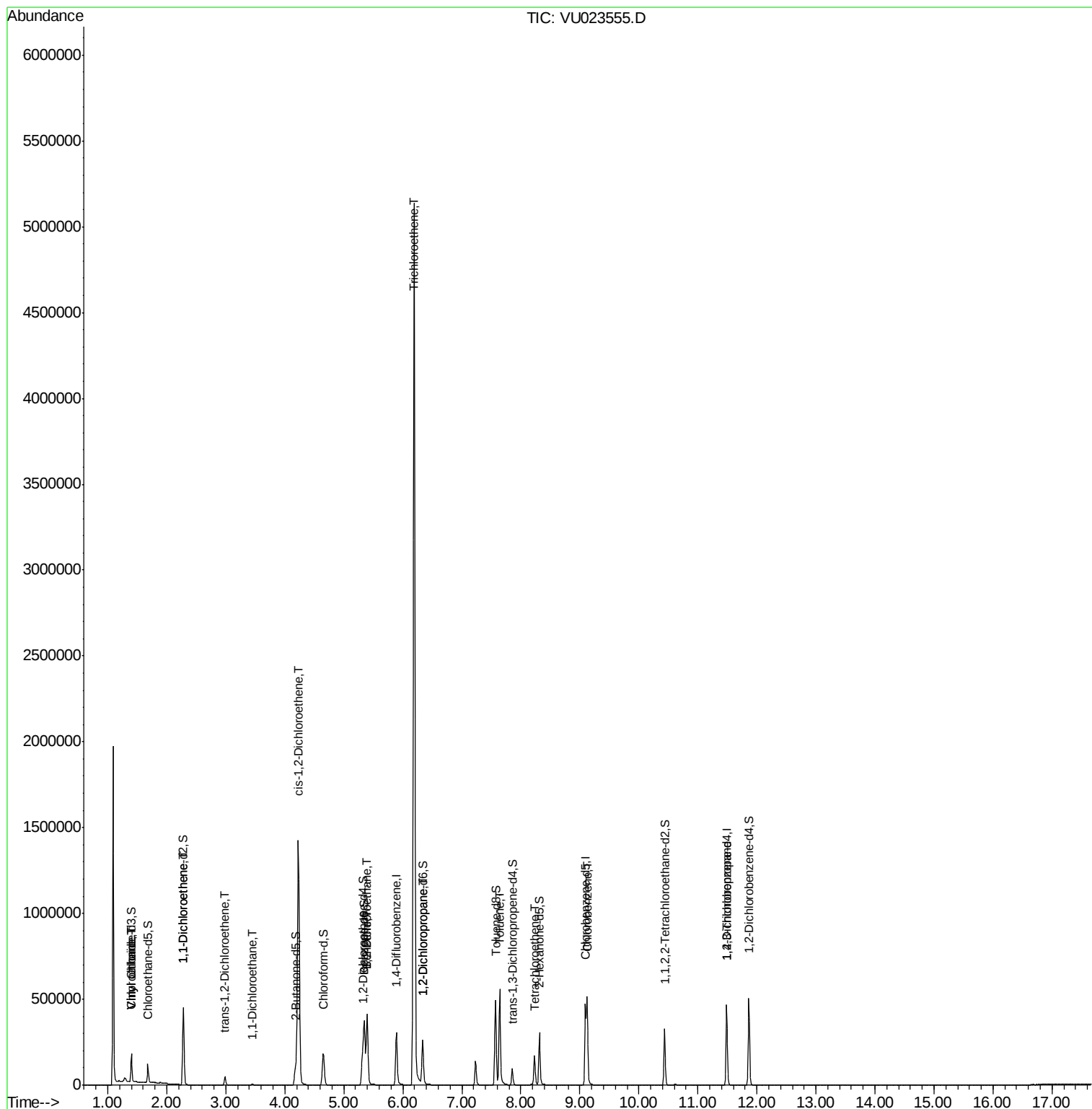
Target Compounds

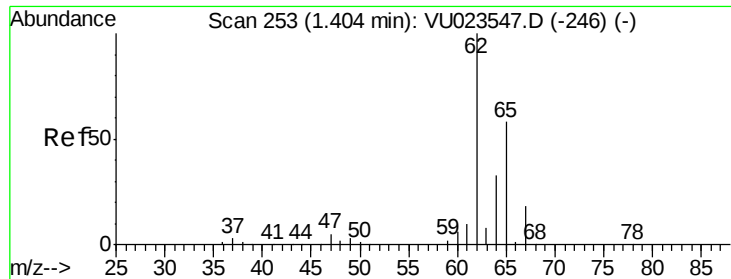
						Qvalue
5) Vinyl chloride	1.40	62	6309	2.08	ug/L	# 1
8) Chloroethane	1.40	64	3125	1.70	ug/L	94
12) 1,1-Dichloroethene	2.28	96	91871	45.47	ug/L	89
17) trans-1,2-Dichloroethene	2.99	96	19251	8.71	ug/L	99
19) 1,1-Dichloroethane	3.45	63	5862	1.34	ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	791222	322.50	ug/L	99
27) 1,2-Dichloroethane	5.39	62	4124	1.24	ug/L	# 75
33) Benzene	5.39	78	413265	44.94	ug/L	100
34) Trichloroethene	6.19	95	1821175	772.96	ug/L	99
37) 1,2-Dichloropropane	6.33	63	13652	5.18	ug/L	# 88
42) Toluene	7.64	91	426716	44.77	ug/L	100
46) Tetrachloroethene	8.23	164	42460	22.11	ug/L	99
51) Chlorobenzene	9.12	112	272955	42.98	ug/L	100
59) 1,2,3-Trichloropropane	11.49	75	14372	4.94	ug/L	93

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

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#5

Vinyl chloride

Concen: 2.08 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023555.D

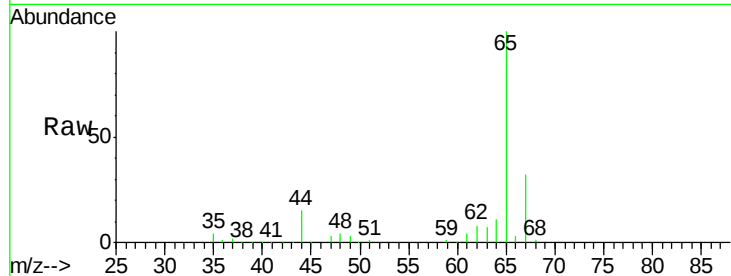
Acq: 01 May 2018 15:53

Tgt Ion: 62 Resp: 6309

Ion Ratio Lower Upper

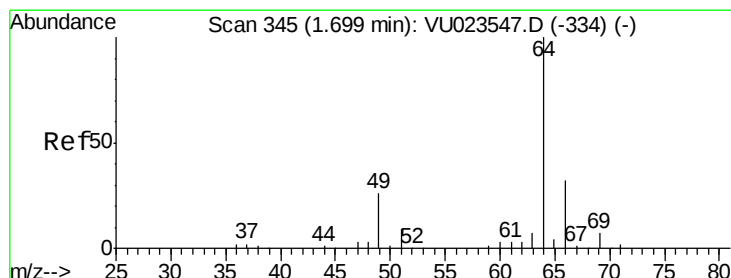
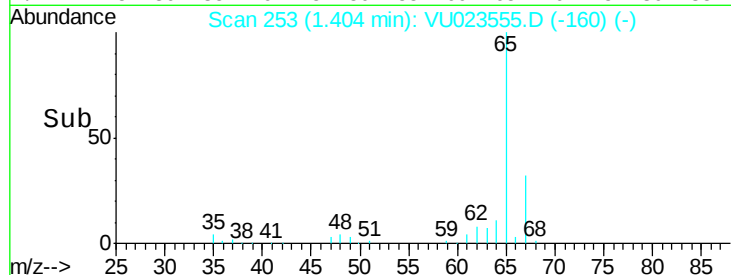
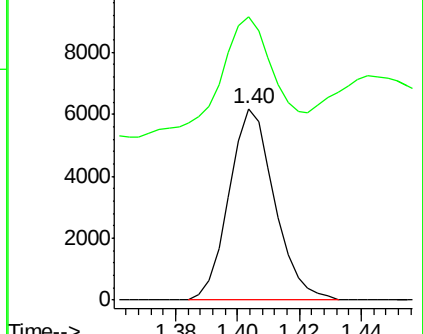
62 100

64 148.0 24.1 44.7#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 1.70 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.30 min

Lab File: VU023555.D

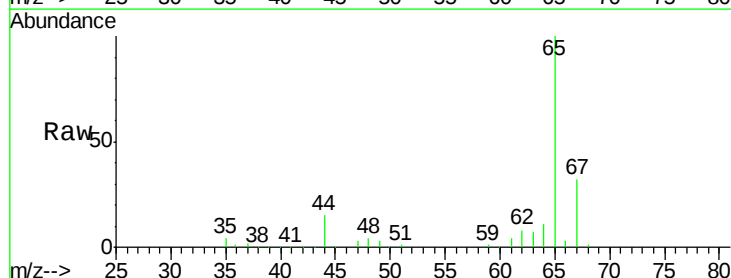
Acq: 01 May 2018 15:53

Tgt Ion: 64 Resp: 3125

Ion Ratio Lower Upper

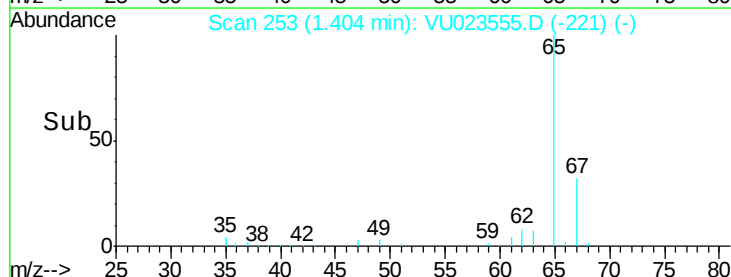
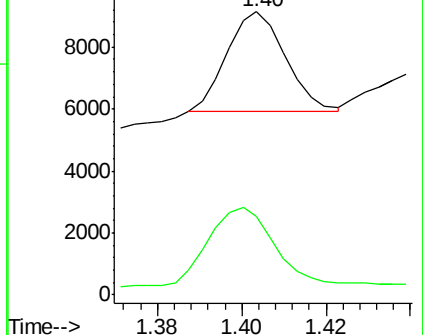
64 100

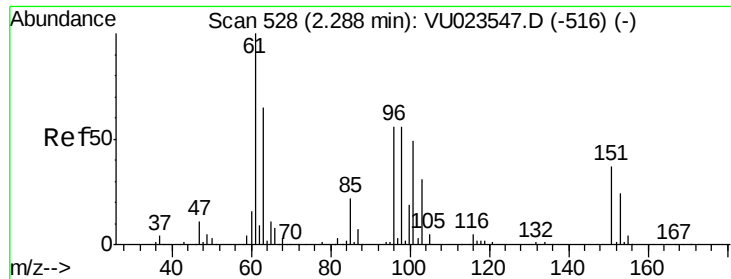
66 27.6 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#12

1,1-Dichloroethene

Concen: 45.47 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU023555.D

Acq: 01 May 2018 15:53

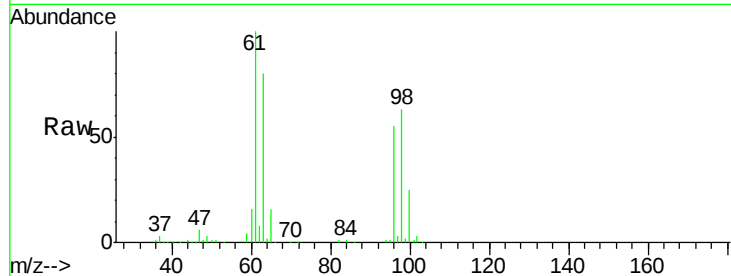
Tgt Ion: 96 Resp: 91871

Ion Ratio Lower Upper

96 100

61 182.9 125.9 233.7

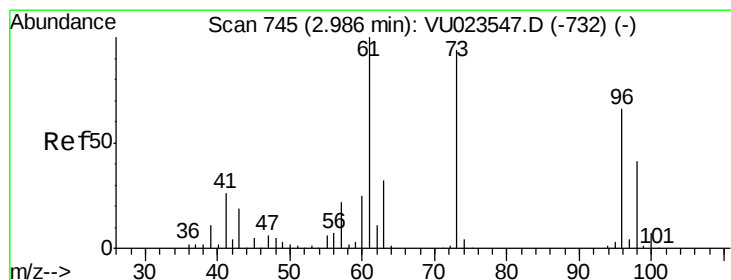
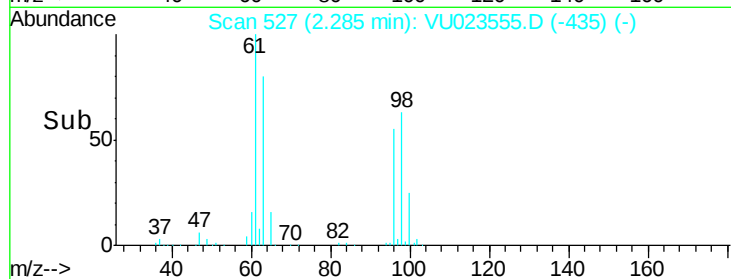
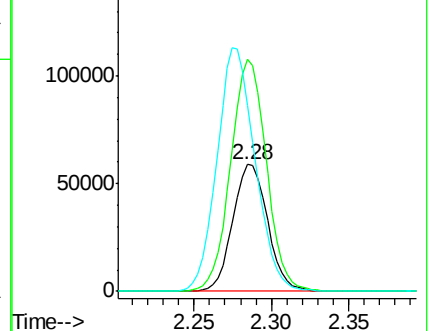
63 147.2 84.8 157.6



Abundance Ion 96.00 (95.70 to 96.70): VU023547.D (-516) (-)

Ion 61.00 (60.70 to 61.70): VU023547.D (-516) (-)

Ion 63.00 (62.70 to 63.70): VU023547.D (-516) (-)



#17

trans-1,2-Dichloroethene

Concen: 8.71 ug/L

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU023555.D

Acq: 01 May 2018 15:53

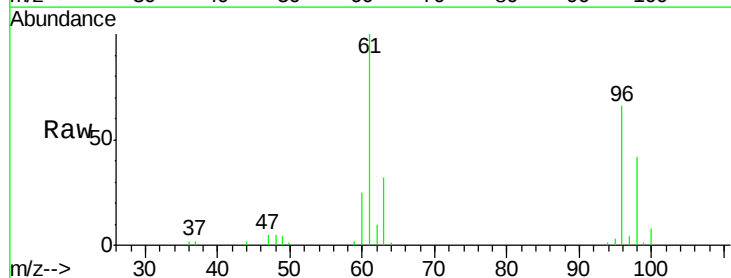
Tgt Ion: 96 Resp: 19251

Ion Ratio Lower Upper

96 100

61 151.2 106.9 198.5

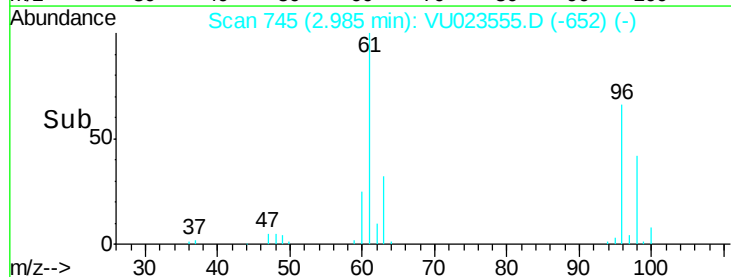
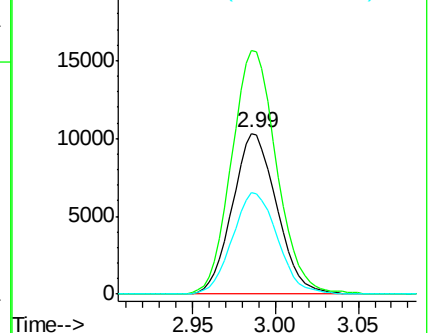
98 62.8 44.2 82.2

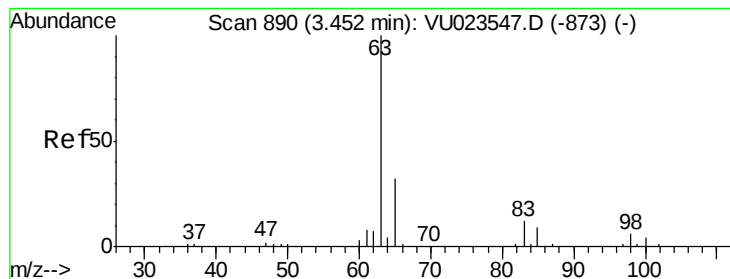


Abundance Ion 96.00 (95.70 to 96.70): VU023547.D (-732) (-)

Ion 61.00 (60.70 to 61.70): VU023547.D (-732) (-)

Ion 98.00 (97.70 to 98.70): VU023547.D (-732) (-)





#19

1,1-Dichloroethane

Concen: 1.34 ug/L

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU023555.D

Acq: 01 May 2018 15:53

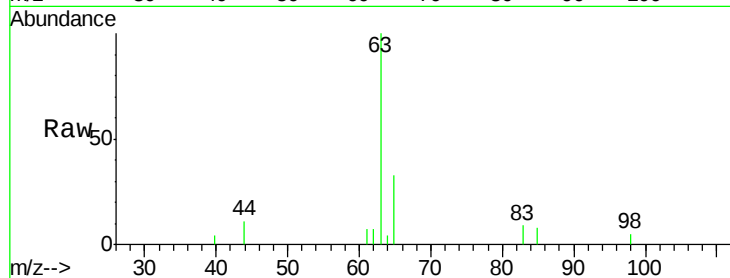
Tgt Ion: 63 Resp: 5862

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.5

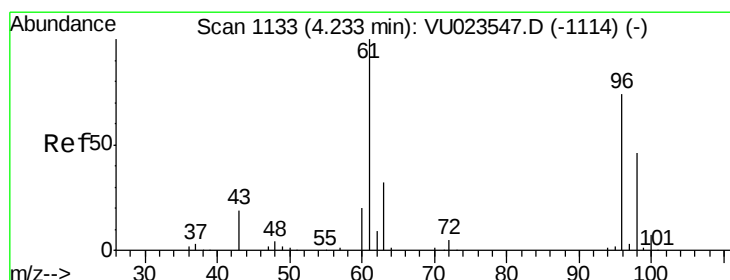
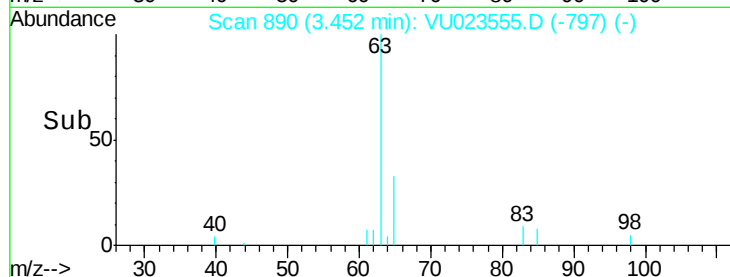
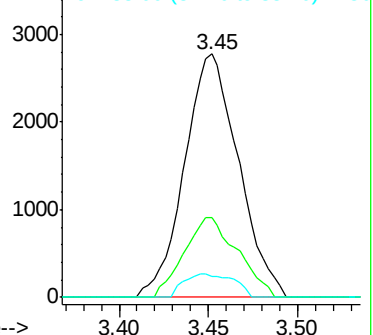
83 8.7 8.7 16.1



Abundance Ion 63.00 (62.70 to 63.70): VU023547.D (-873) (-)

Ion 65.00 (64.70 to 65.70): VU023547.D (-873) (-)

Ion 83.00 (82.70 to 83.70): VU023547.D (-873) (-)



#20

cis-1,2-Dichloroethene

Concen: 322.50 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU023555.D

Acq: 01 May 2018 15:53

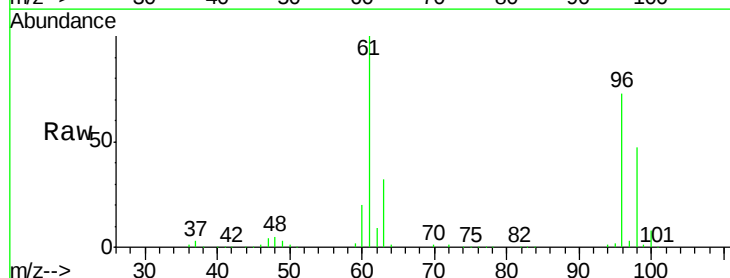
Tgt Ion: 96 Resp: 791222

Ion Ratio Lower Upper

96 100

61 137.5 95.3 177.1

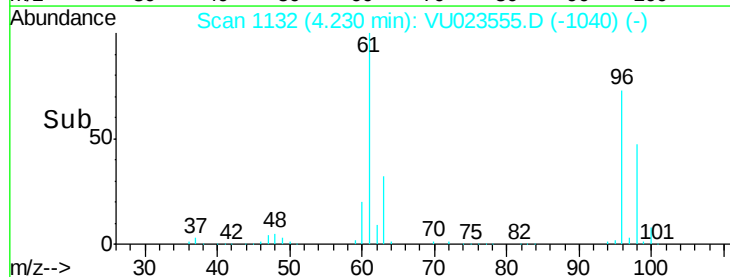
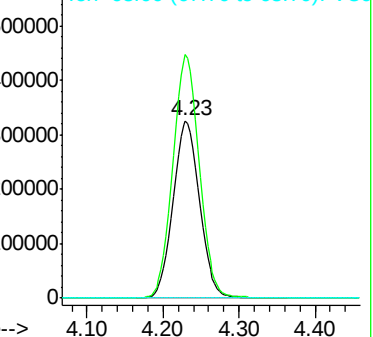
68 0.0 0.0 0.0

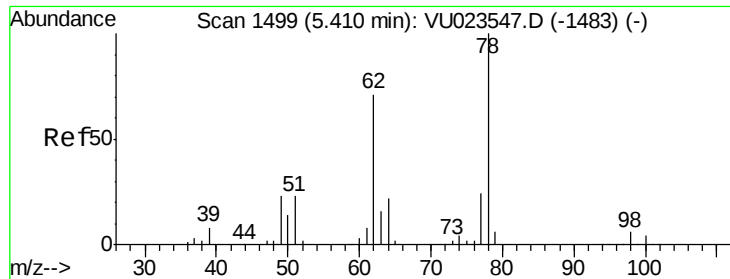


Abundance Ion 96.00 (95.70 to 96.70): VU023547.D (-1114) (-)

Ion 61.00 (60.70 to 61.70): VU023547.D (-1114) (-)

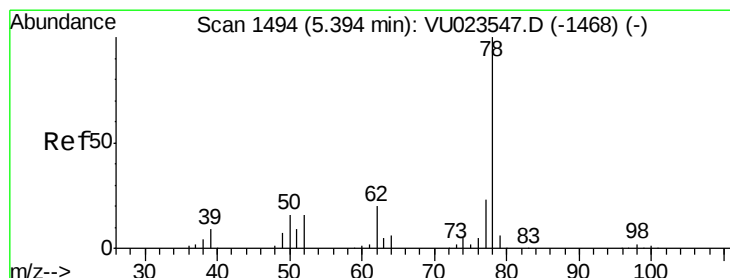
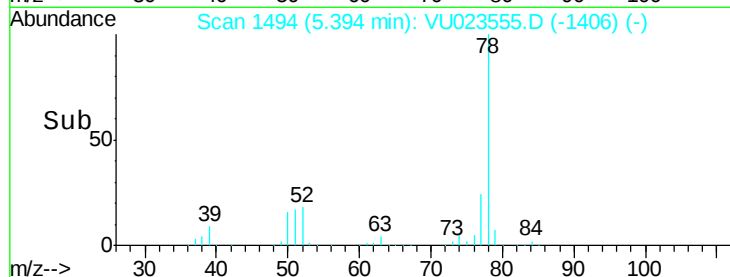
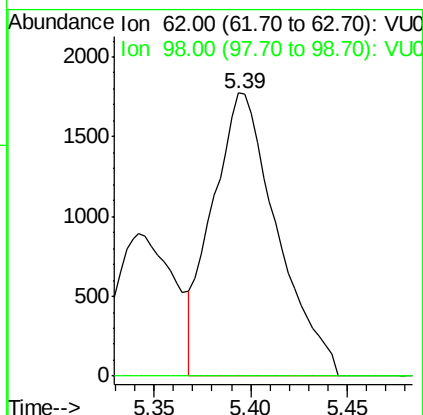
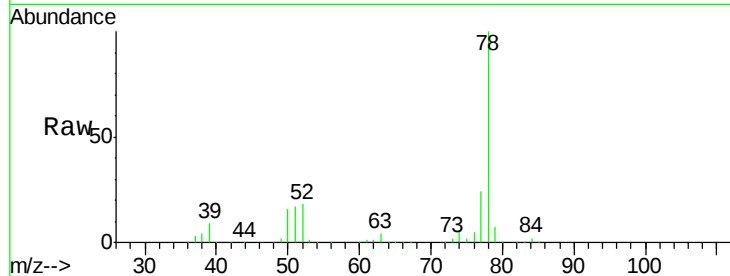
Ion 68.00 (67.70 to 68.70): VU023547.D (-1114) (-)





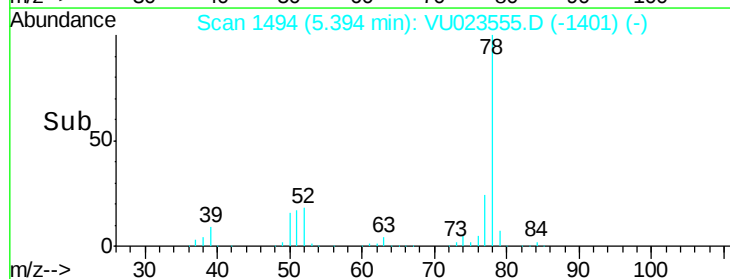
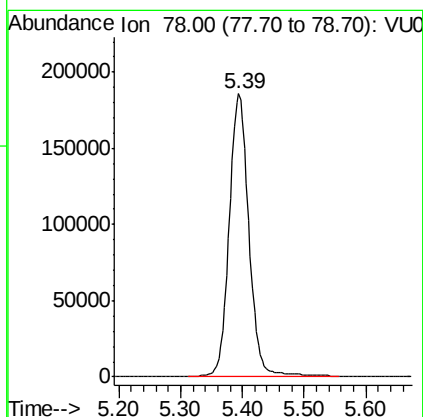
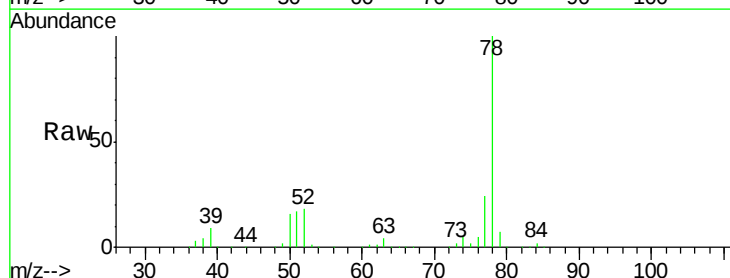
#27
 1,2-Dichloroethane
 Concen: 1.24 ug/L
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.02 min
 Lab File: VU023555.D
 Acq: 01 May 2018 15:53

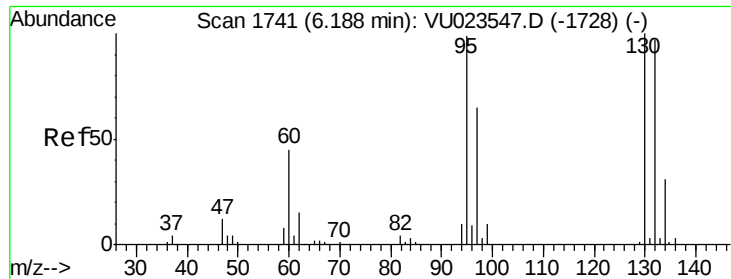
Tgt Ion: 62 Resp: 4124
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.3 10.9#



#33
 Benzene
 Concen: 44.94 ug/L
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU023555.D
 Acq: 01 May 2018 15:53

Tgt Ion: 78 Resp: 413265





#34

Trichloroethene

Concen: 772.96 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023555.D

Acq: 01 May 2018 15:53

Tgt Ion: 95 Resp: 1821175

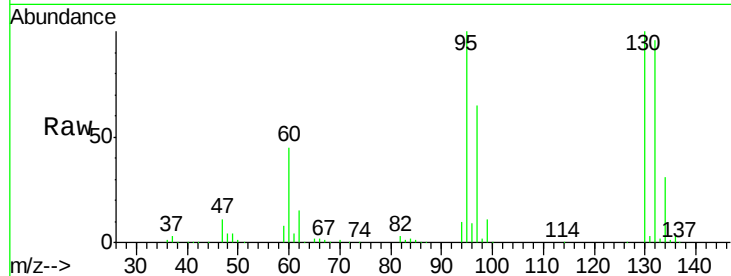
Ion Ratio Lower Upper

95 100

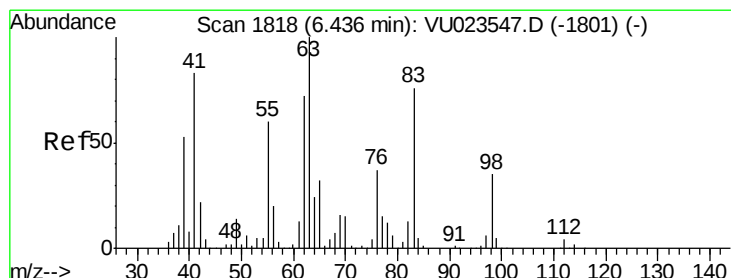
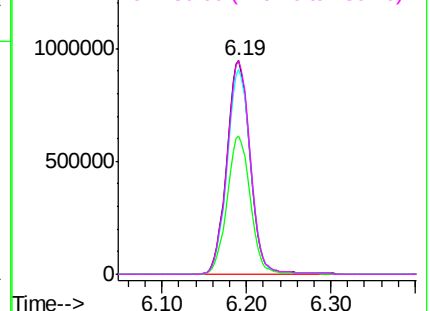
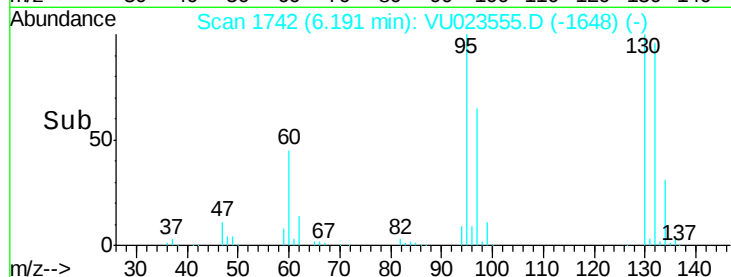
97 65.0 46.3 85.9

132 95.9 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



#37

1,2-Dichloropropane

Concen: 5.18 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU023555.D

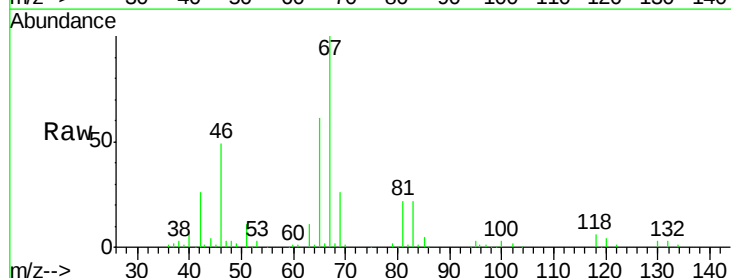
Acq: 01 May 2018 15:53

Tgt Ion: 63 Resp: 13652

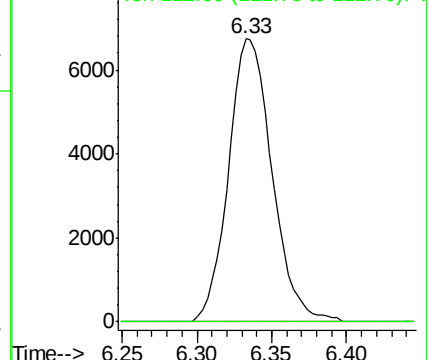
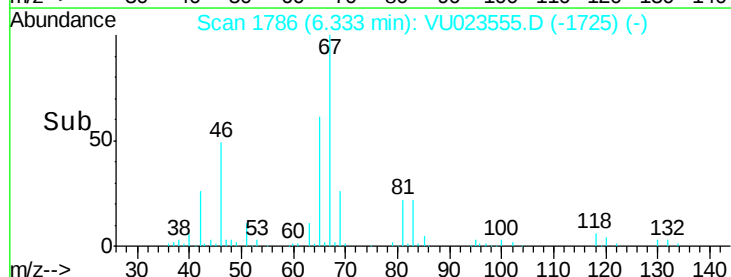
Ion Ratio Lower Upper

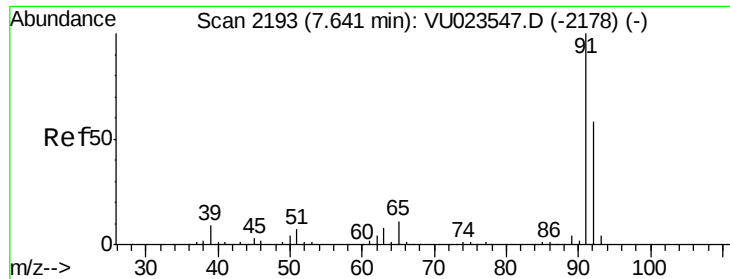
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#42

Toluene

Concen: 44.77 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023555.D

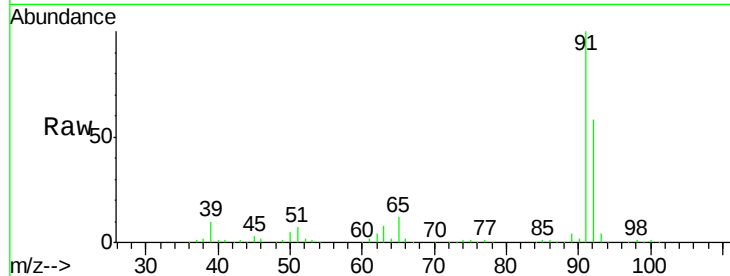
Acq: 01 May 2018 15:53

Tgt Ion: 91 Resp: 426716

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

250000

200000

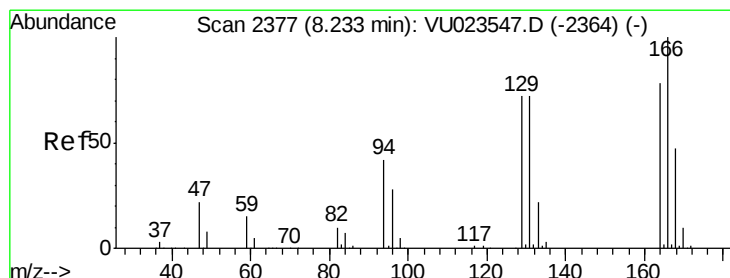
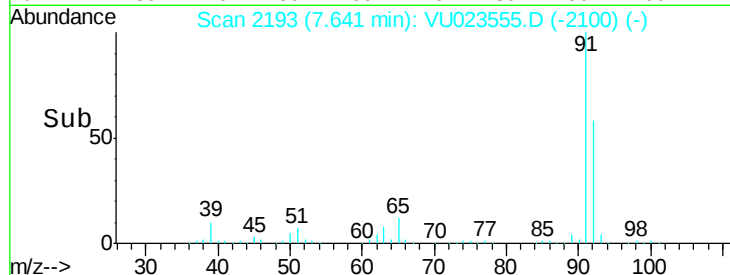
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#46

Tetrachloroethene

Concen: 22.11 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU023555.D

Acq: 01 May 2018 15:53

Tgt Ion: 164 Resp: 42460

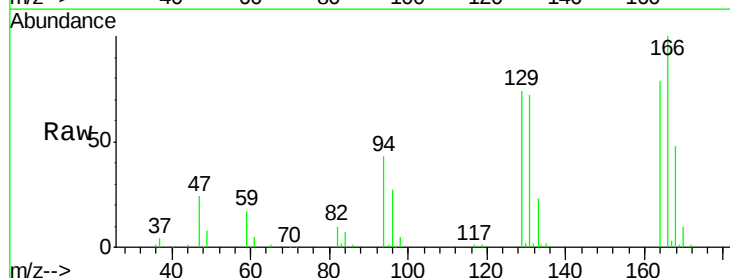
Ion Ratio Lower Upper

164 100

129 94.4 64.2 119.2

131 91.0 64.1 119.1

166 126.9 89.4 166.0



Abundance Ion 164.00 (163.70 to 164.70): VU023547.D (-2364) (-)

Ion 129.00 (128.70 to 129.70): VU023547.D (-2364) (-)

Ion 131.00 (130.70 to 131.70): VU023547.D (-2364) (-)

Ion 166.00 (165.70 to 166.70): VU023547.D (-2364) (-)

8.23

40000

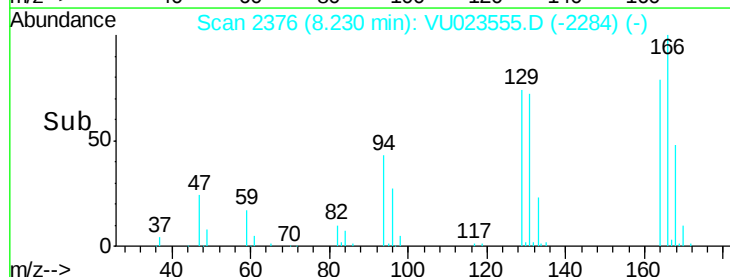
30000

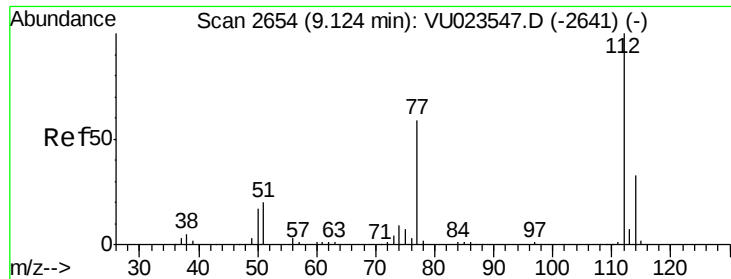
20000

10000

0

Time--> 8.15 8.20 8.25 8.30 8.35





#51

Chlorobenzene

Concen: 42.98 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023555.D

Acq: 01 May 2018 15:53

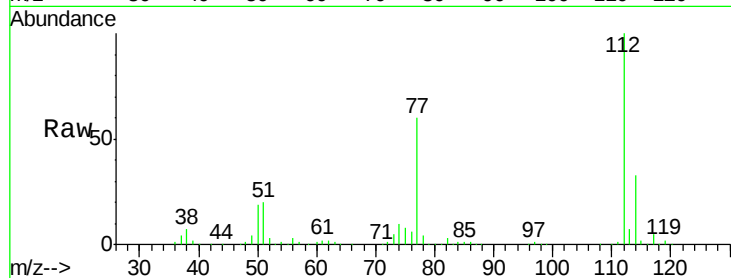
Tgt Ion: 112 Resp: 272955

Ion Ratio Lower Upper

112 100

114 32.6 22.7 42.3

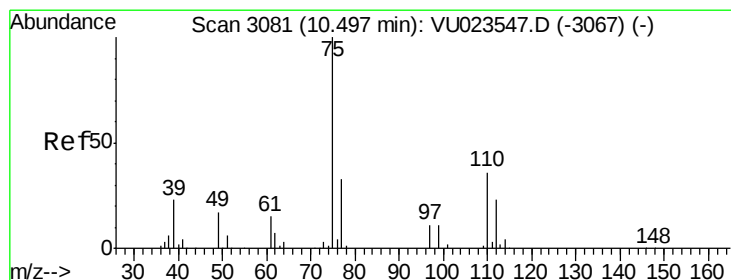
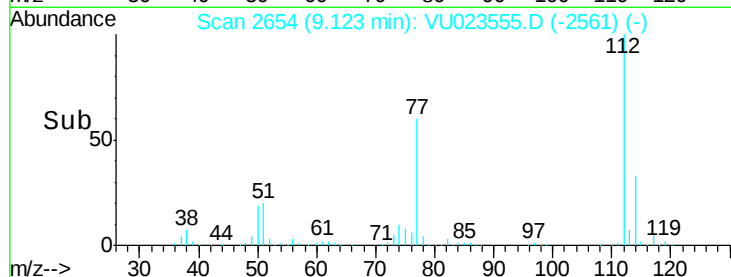
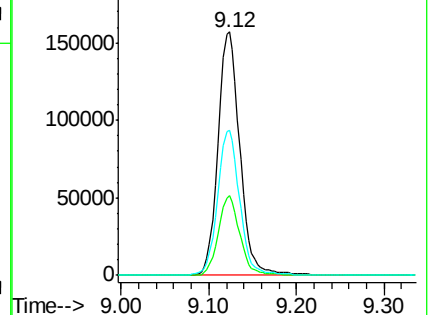
77 59.5 47.5 71.3



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



#59

1,2,3-Trichloropropane

Concen: 4.94 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU023555.D

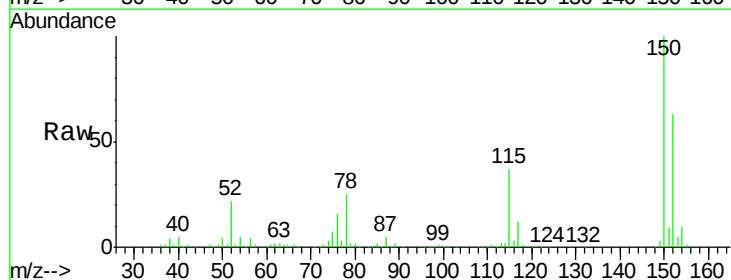
Acq: 01 May 2018 15:53

Tgt Ion: 75 Resp: 14372

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

