

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050418\
 Data File : VU023622.D
 Acq On : 04 May 2018 00:54
 Operator : MD/SY
 Sample : J2630-15
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 05:10:47 2018
 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\SOMUTR050418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 04 04:44:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	74824	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	64269	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	22482	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28923	5.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.60%
7) Chloroethane-d5	1.68	69	28418	7.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	141.00%#
11) 1,1-Dichloroethene-d2	2.27	63	27387	2.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.60%#
20) 2-Butanone-d5	4.20	46	147656	94.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	188.08%#
24) Chloroform-d	4.65	84	66747	6.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	137.20%#
26) 1,2-Dichloroethane-d4	5.32	65	43504	8.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	166.80%#
32) Benzene-d6	5.34	84	105477	6.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.80%
36) 1,2-Dichloropropane-d6	6.34	67	45553	8.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	162.20%#
41) Toluene-d8	7.57	98	57048	3.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.00%
43) trans-1,3-Dichloropropene-	7.86	79	9101	4.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.00%
46) 2-Hexanone-d5	8.32	63	99612	93.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	187.94%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	43272	9.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	193.60%#
64) 1,2-Dichlorobenzene-d4	11.87	152	24771	5.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.40%

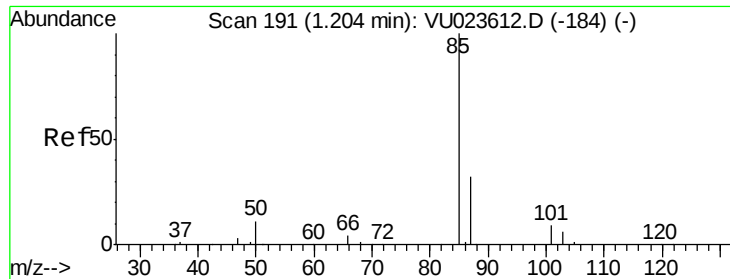
Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	2847	0.40	ug/L	99
5) Vinyl chloride	1.40	62	83805	11.98	ug/L #	76
13) Acetone	2.33	43	6190	6.90	ug/L	98
16) Methylene chloride	2.70	84	2285	0.45	ug/L	98
17) Methyl tert-butyl Ether	3.01	73	7341	0.65	ug/L #	93
18) trans-1,2-Dichloroethene	2.98	96	1504	0.31	ug/L	93
22) cis-1,2-Dichloroethene	4.23	96	91087	15.74	ug/L	99
34) Trichloroethene	6.19	95	2149	0.43	ug/L	94

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

The chromatogram displays the abundance of various chemical compounds over time. The y-axis represents Abundance, ranging from 0 to 1,500,000. The x-axis represents Time in minutes, ranging from 1.00 to 17.00. The following table lists the labeled compounds and their approximate retention times:

Compound	Retention Time (min)
Dichlorodifluoroethane, T	1.00
Vinyl Chloride, T	1.00
Chloroethane-d5, S	1.50
Acetone, T	2.50
1,1,2,2-Tetrachloroethane-d2, S	2.50
Methylene chloride, T	3.00
1,1,1,2-Tetrachloroethane, T	3.00
2-Butanol-d5, S	4.50
Chloroform-d, S	4.50
1,2-Dichloroethane-d4, S	5.50
1,4-Difluorobenzene, I	6.00
Trichloroethene, T	6.00
1,2-Dichloropropane-d6, S	6.50
Toluene-d8, S	7.50
trans-1,3-Dichloropropene-d4, S	8.00
2-Hexanone-d5, S	8.50
Chlorobenzene-d5, I	9.00
1,1,1,2,2-Tetrachloroethane-d2, S	10.50
1,4-Dichlorobenzene-d4, I	11.50
1,2-Dichlorobenzene-d4, S	12.00



#2

Dichlorodifluoromethane

Concen: 0.40 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU023622.D

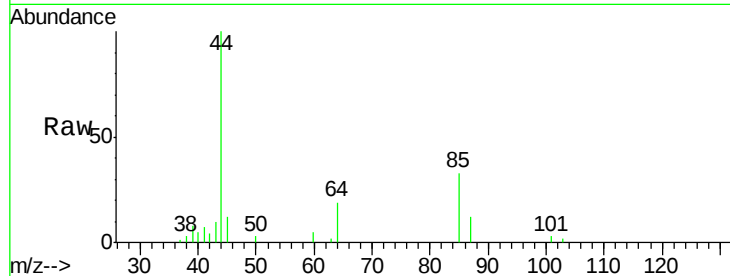
Acq: 04 May 2018 00:54

Tot Ion: 85 Resp: 2847

Ion Ratio Lower Upper

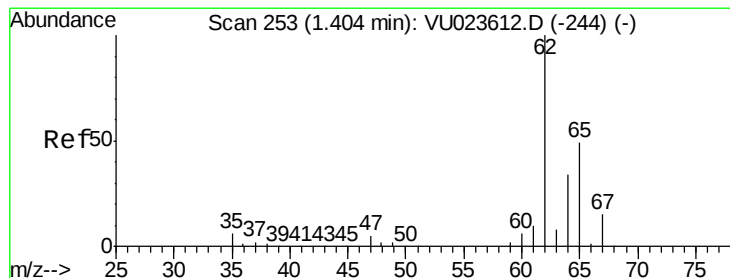
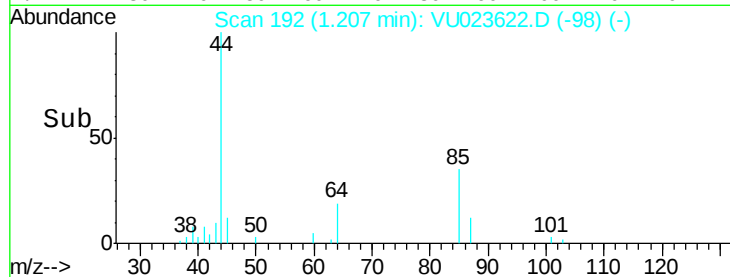
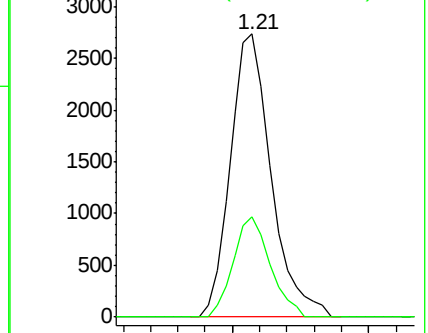
85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#5

Vinyl chloride

Concen: 11.98 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023622.D

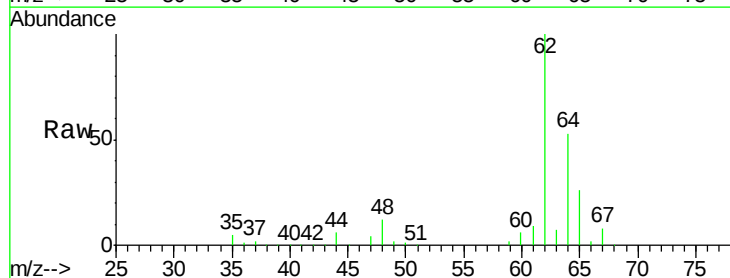
Acq: 04 May 2018 00:54

Tgt Ion: 62 Resp: 83805

Ion Ratio Lower Upper

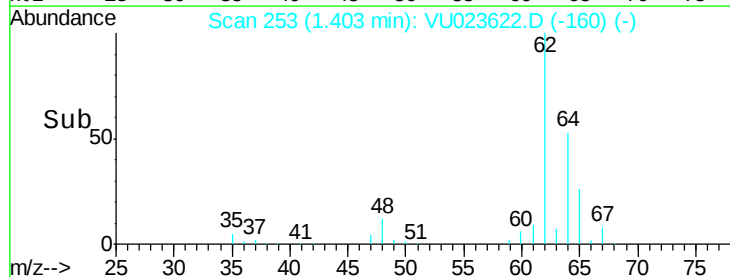
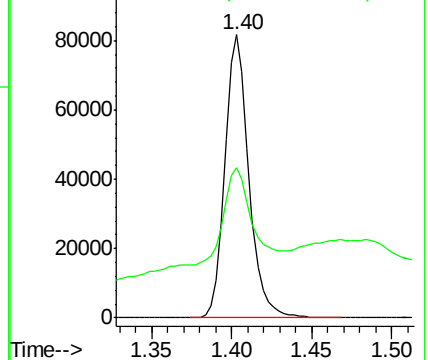
62 100

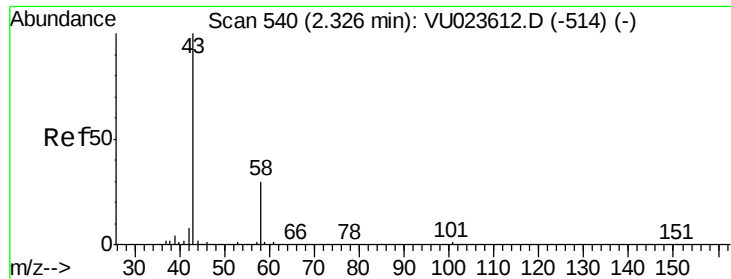
64 53.0 26.9 49.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#13

Acetone

Concen: 6.90 ug/L

RT: 2.33 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU023622.D

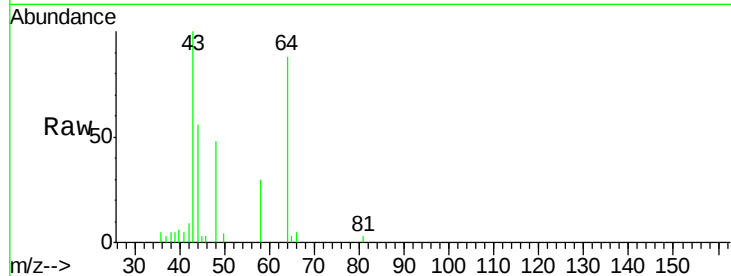
Acq: 04 May 2018 00:54

Tot Ion: 43 Resp: 6190

Ion Ratio Lower Upper

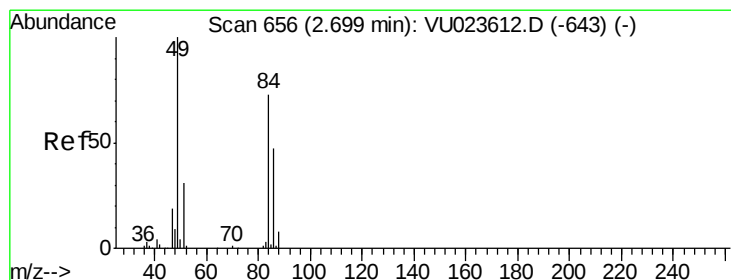
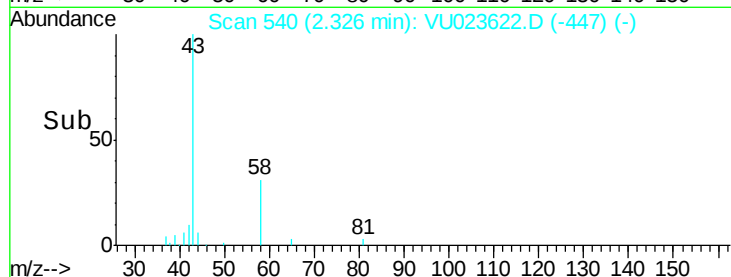
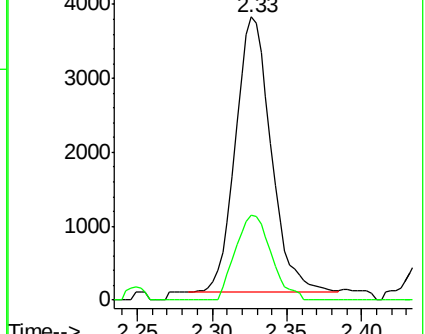
43 100

58 31.0 0.0 63.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.45 ug/L

RT: 2.70 min Scan# 656

Delta R.T. -0.00 min

Lab File: VU023622.D

Acq: 04 May 2018 00:54

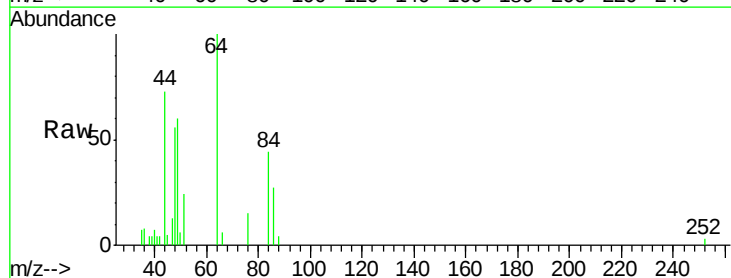
Tgt Ion: 84 Resp: 2285

Ion Ratio Lower Upper

84 100

86 61.0 46.0 85.4

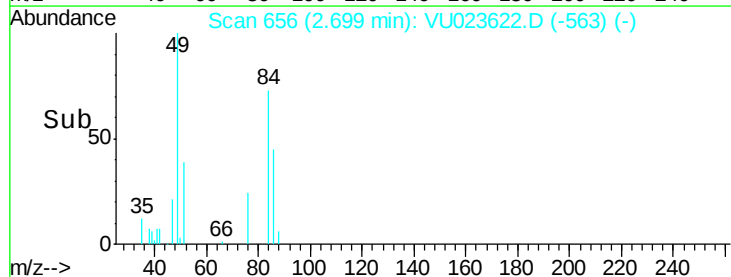
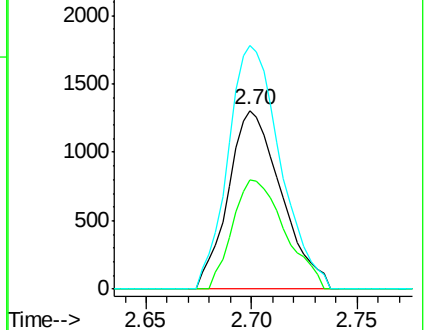
49 136.5 96.0 178.4

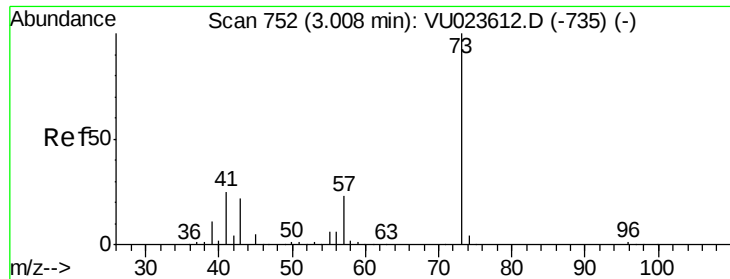


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

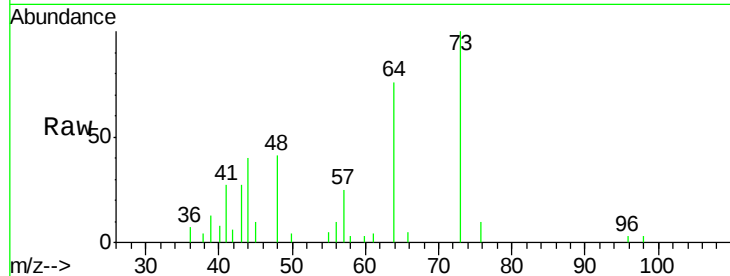
Ion 49.10 (48.80 to 49.80): VU0



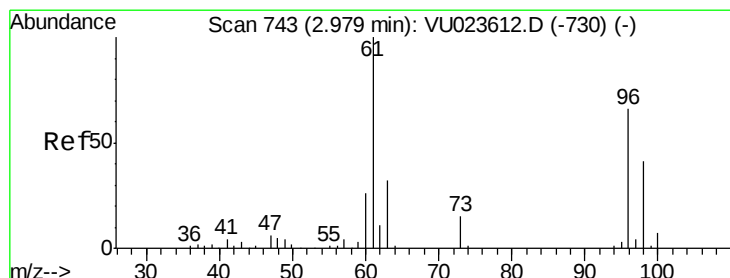
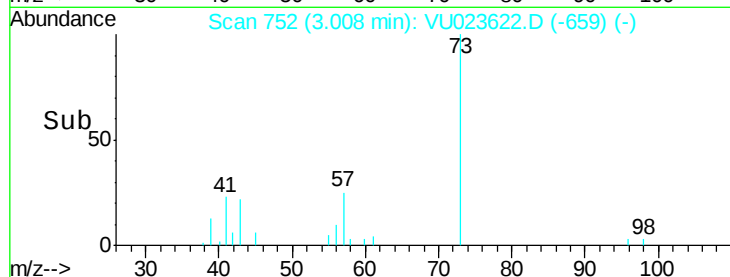
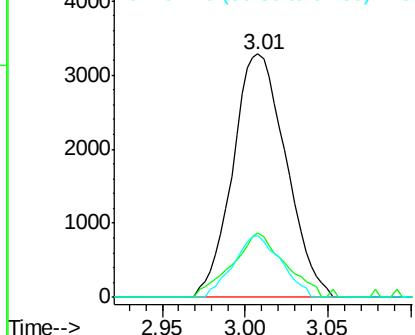


#17
Methvl tert-butvl Ether
Concen: 0.65 ug/L
RT: 3.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VU023622.D
Acq: 04 May 2018 00:54

Tot Ion: 73 Resp: 7341
Ion Ratio Lower Upper
73 100
43 26.1 16.6 25.0#
57 22.6 19.4 29.0

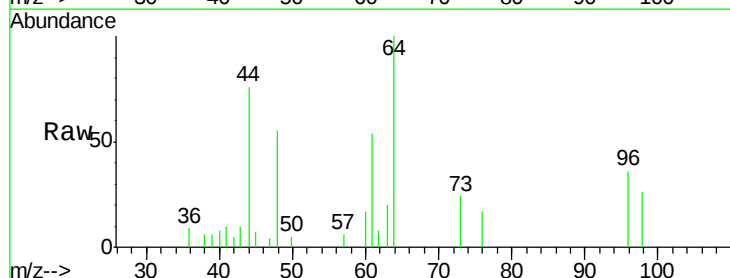


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

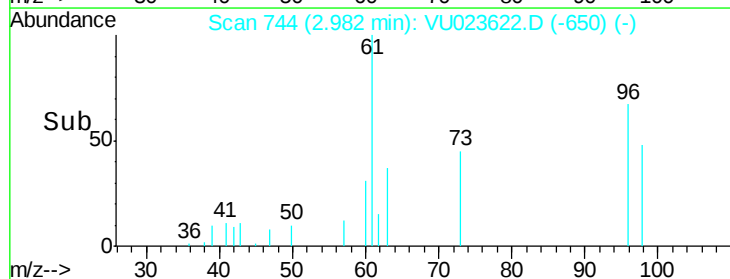
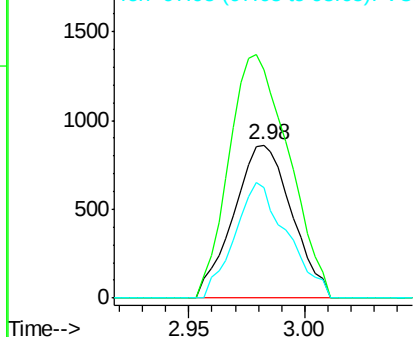


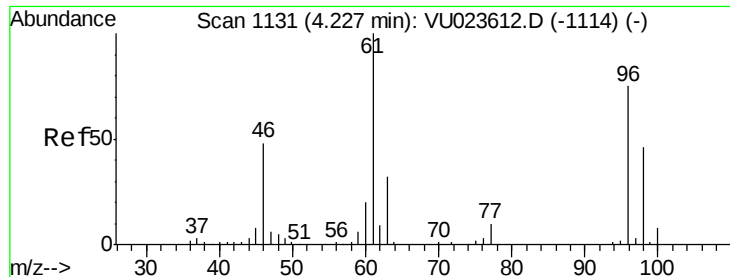
#18
trans-1,2-Dichloroethene
Concen: 0.31 ug/L
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU023622.D
Acq: 04 May 2018 00:54

Tgt Ion: 96 Resp: 1504
Ion Ratio Lower Upper
96 100
61 149.4 109.0 202.4
98 72.3 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 15.74 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023622.D

Acq: 04 May 2018 00:54

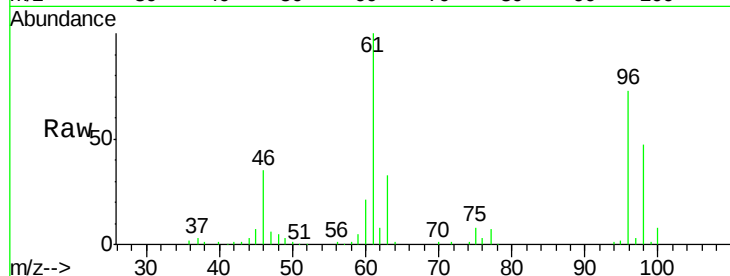
Tot Ion: 96 Resp: 91087

Ion Ratio Lower Upper

96 100

61 136.6 94.6 175.6

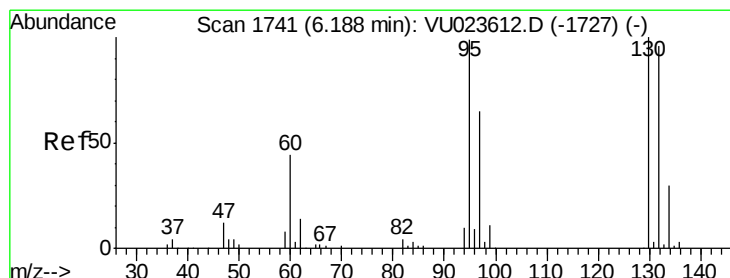
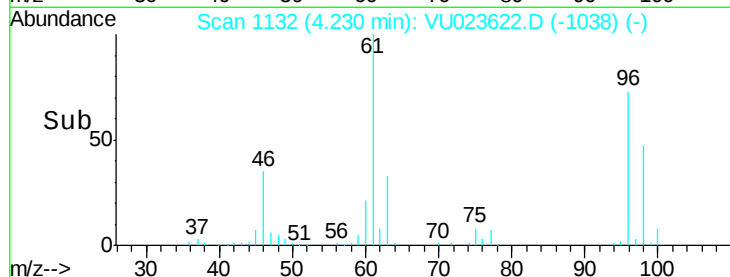
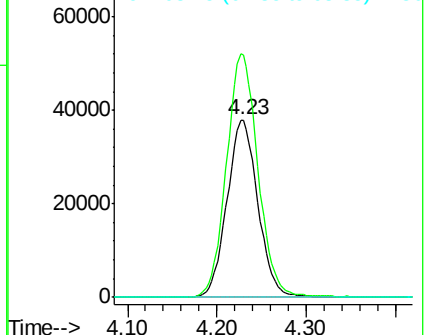
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#34

Trichloroethene

Concen: 0.43 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023622.D

Acq: 04 May 2018 00:54

Tgt Ion: 95 Resp: 2149

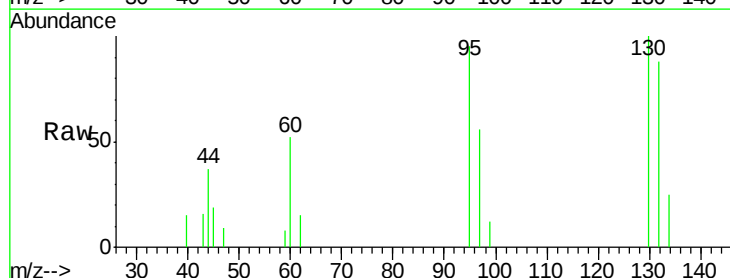
Ion Ratio Lower Upper

95 100

97 58.7 46.0 85.4

132 92.1 68.1 126.5

130 104.9 70.1 130.1



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

