

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050418\
 Data File : VU023617.D
 Acq On : 03 May 2018 22:38
 Operator : MD/SY
 Sample : J2630-10
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 04 04:59:39 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	93864	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	82886	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	29457	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92572	13.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	271.80%#
7) Chloroethane-d5	1.68	69	30930	6.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.20%
11) 1,1-Dichloroethene-d2	2.28	63	49693	4.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.80%
20) 2-Butanone-d5	4.24	46	168920	85.76	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	171.52%#
24) Chloroform-d	4.65	84	71617	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.40%
26) 1,2-Dichloroethane-d4	5.32	65	46234	7.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	141.40%#
32) Benzene-d6	5.34	84	124065	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.00%
36) 1,2-Dichloropropane-d6	6.34	67	50987	7.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	140.80%#
41) Toluene-d8	7.57	98	72981	3.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.40%
43) trans-1,3-Dichloropropene-	7.86	79	11851	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.32	63	108414	79.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	158.60%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	46344	8.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	160.80%#
64) 1,2-Dichlorobenzene-d4	11.87	152	30890	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

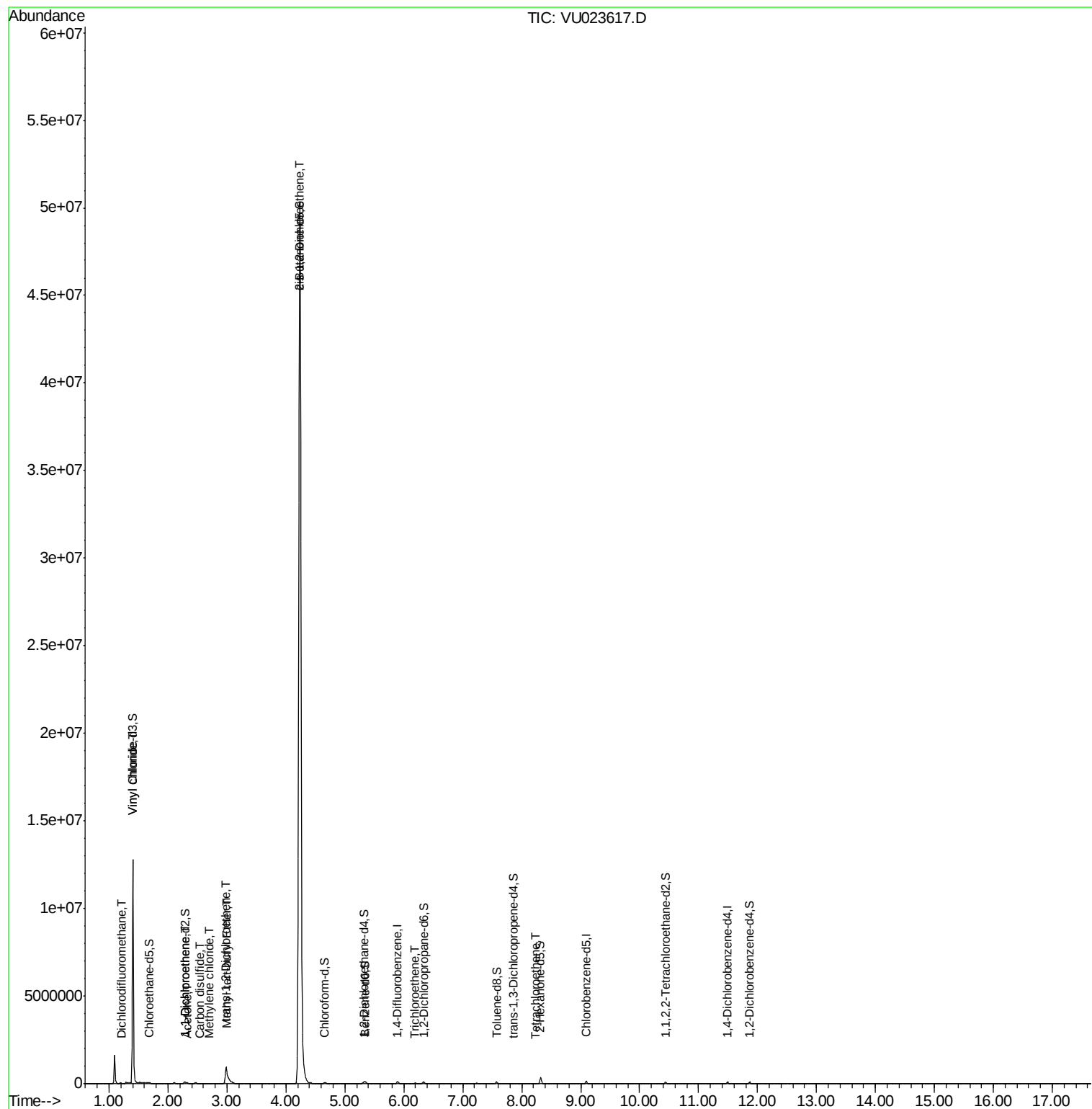
Target Compounds

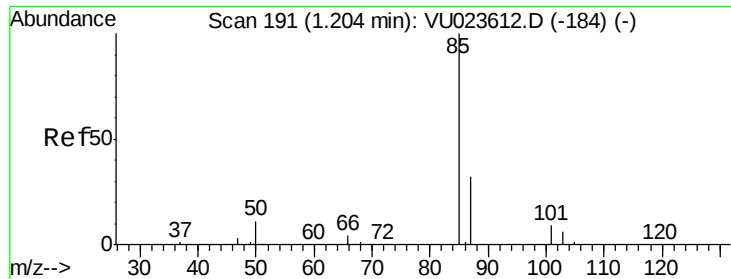
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	2753	0.31	ug/L	98
5) Vinyl chloride	1.40	62	8294863	945.24	ug/L	93
12) 1,1-Dichloroethene	2.29	96	31883	5.77	ug/L	94
13) Acetone	2.33	43	15024	13.35	ug/L	100
14) Carbon disulfide	2.54	76	158550m	7.95	ug/L	
16) Methylene chloride	2.70	84	2218	0.35	ug/L	89
17) Methyl tert-butyl Ether	3.01	73	7775	0.55	ug/L	99
18) trans-1,2-Dichloroethene	2.99	96	610175	99.87	ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	28171660m	3881.31	ug/L	
34) Trichloroethene	6.19	95	12427	1.91	ug/L	96
47) Tetrachloroethene	8.23	164	2489	0.48	ug/L	94

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

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#2

Dichlorodifluoromethane

Concen: 0.31 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU023617.D

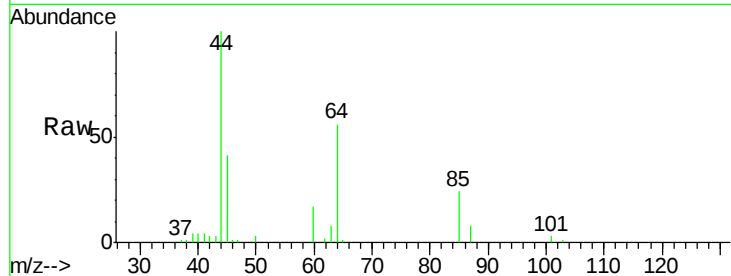
Acq: 03 May 2018 22:38

Tot Ion: 85 Resp: 2753

Ion Ratio Lower Upper

85 100

87 31.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

2500

2000

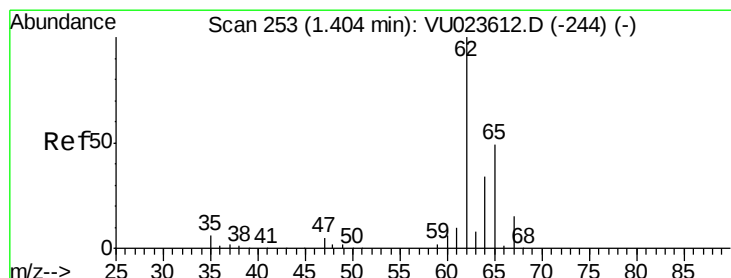
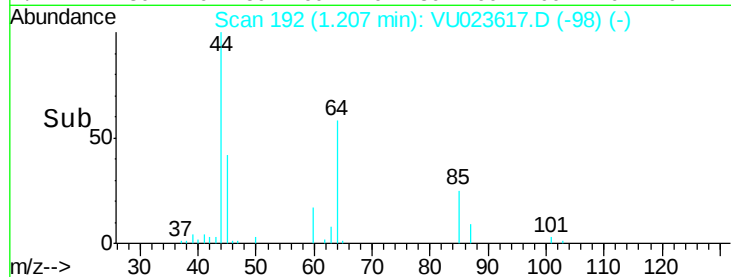
1500

1000

500

0

Time--> 1.16 1.18 1.20 1.22 1.24



#5

Vinyl chloride

Concen: 945.24 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023617.D

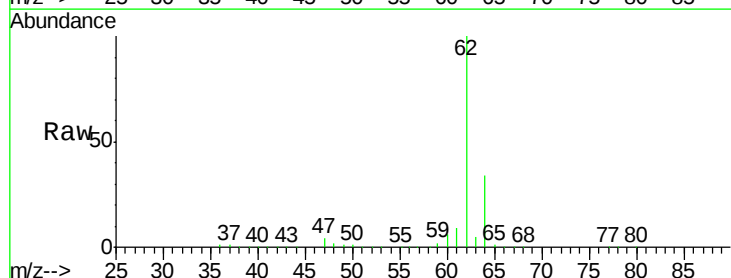
Acq: 03 May 2018 22:38

Tgt Ion: 62 Resp: 8294863

Ion Ratio Lower Upper

62 100

64 34.0 26.9 49.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

8000000

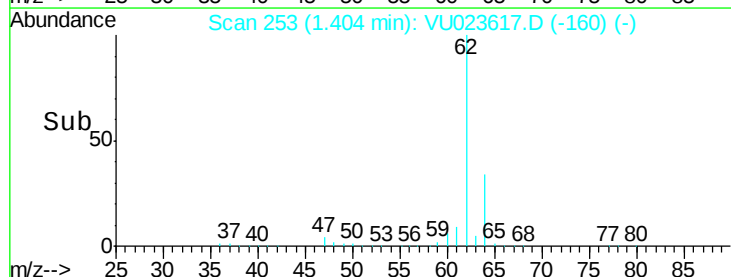
6000000

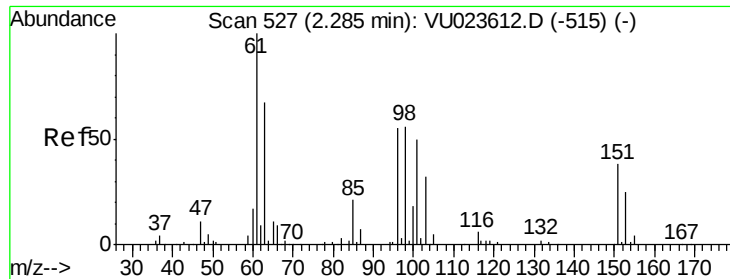
4000000

2000000

0

Time--> 1.30 1.40 1.50





#12

1,1-Dichloroethene

Concen: 5.77 ug/L

RT: 2.29 min Scan# 528

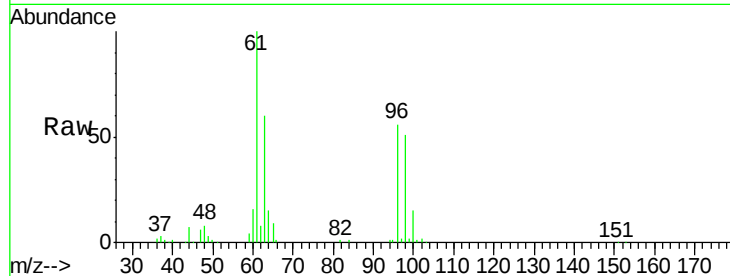
Delta R.T. 0.00 min

Lab File: VU023617.D

Acq: 03 May 2018 22:38

Tot Ion: 96 Resp: 31883

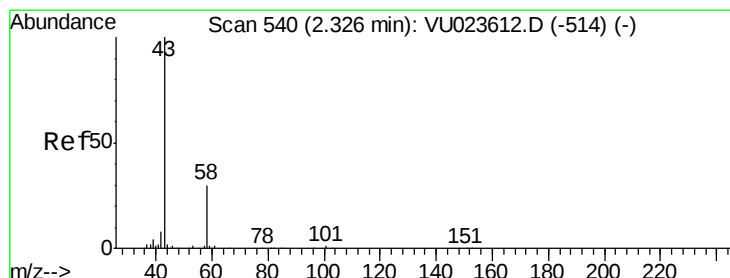
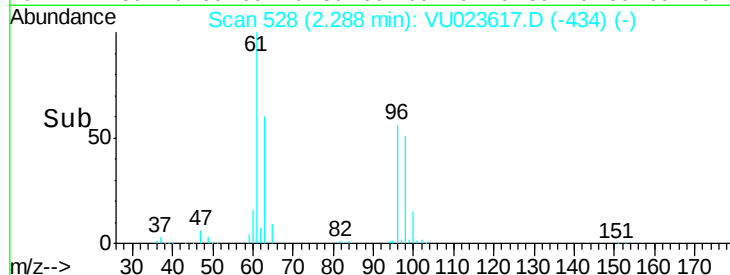
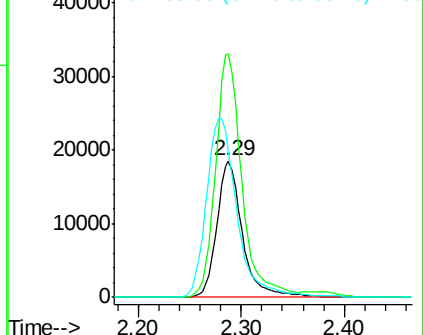
Ion	Ratio	Lower	Upper
96	100		
61	178.8	127.4	236.6
63	107.8	84.8	157.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 13.35 ug/L

RT: 2.33 min Scan# 541

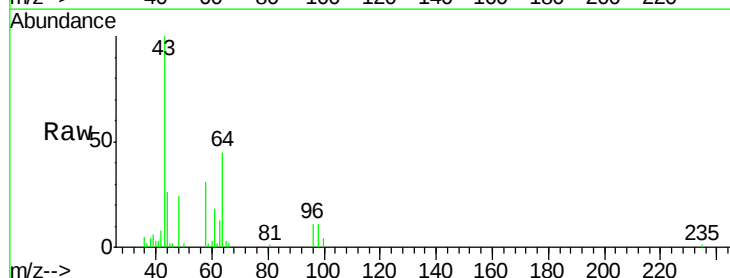
Delta R.T. 0.00 min

Lab File: VU023617.D

Acq: 03 May 2018 22:38

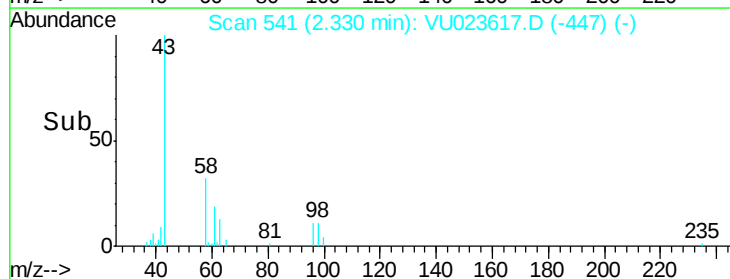
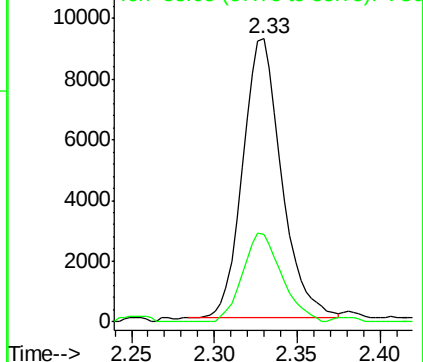
Tgt Ion: 43 Resp: 15024

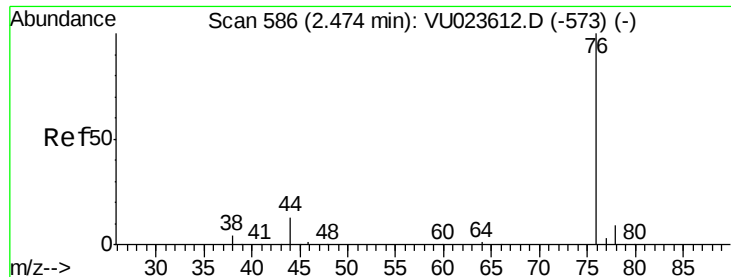
Ion	Ratio	Lower	Upper
43	100		
58	31.7	0.0	63.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 7.95 ug/L m

RT: 2.54 min Scan# 606

Delta R.T. 0.06 min

Lab File: VU023617.D

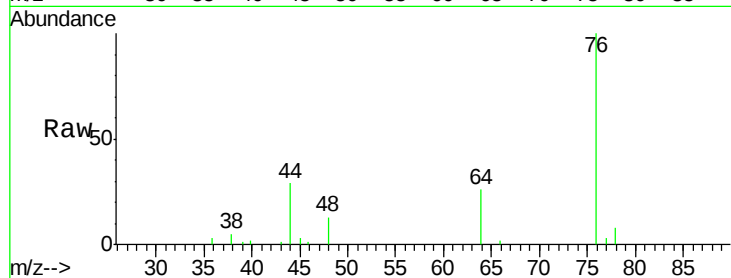
Acq: 03 May 2018 22:38

Tot Ion: 76 Resp: 158550

Ion Ratio Lower Upper

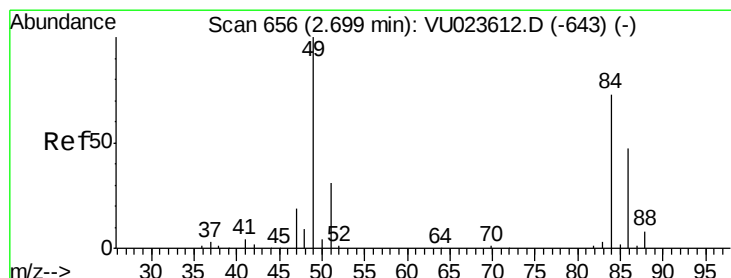
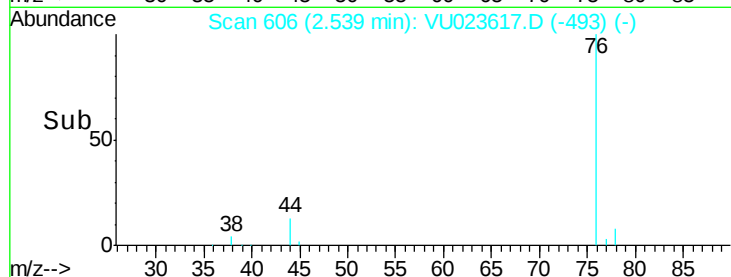
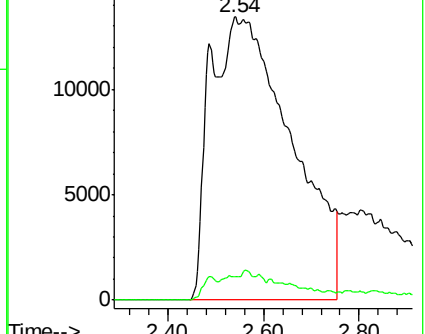
76 100

78 8.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#16

Methylene chloride

Concen: 0.35 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU023617.D

Acq: 03 May 2018 22:38

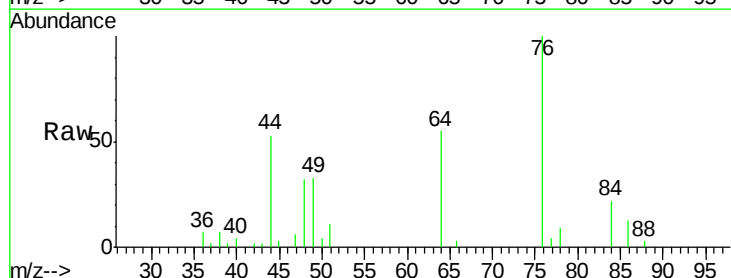
Tgt Ion: 84 Resp: 2218

Ion Ratio Lower Upper

84 100

86 58.6 46.0 85.4

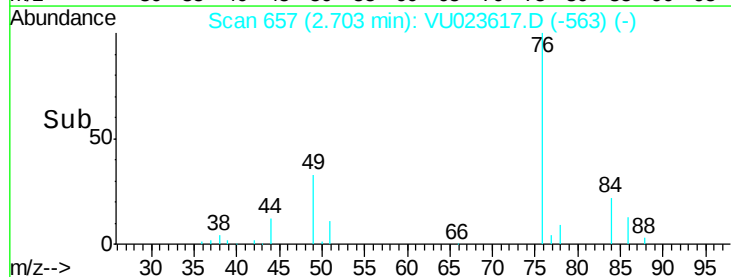
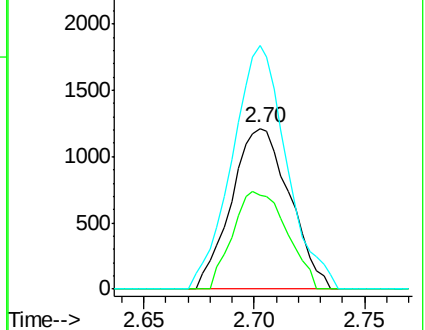
49 151.5 96.0 178.4

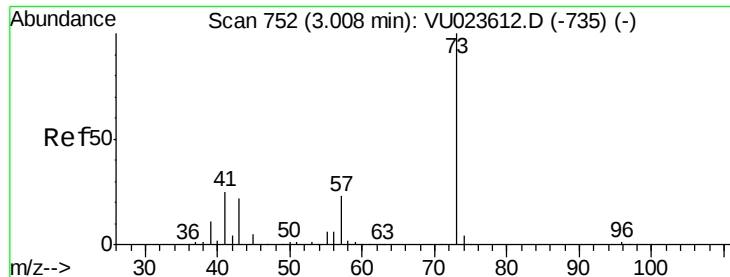


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

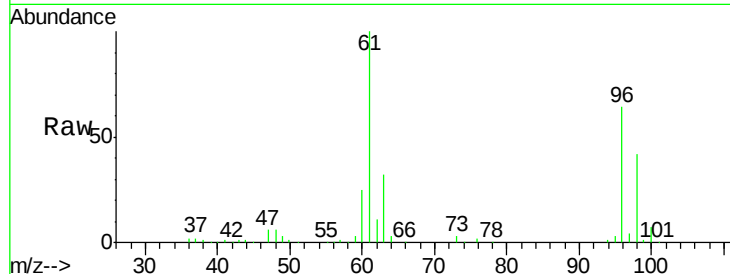
Ion 49.10 (48.80 to 49.80): VU0



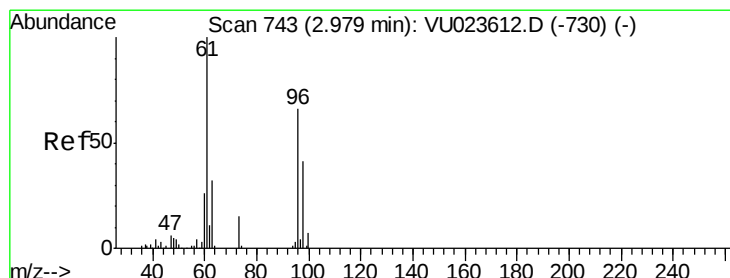
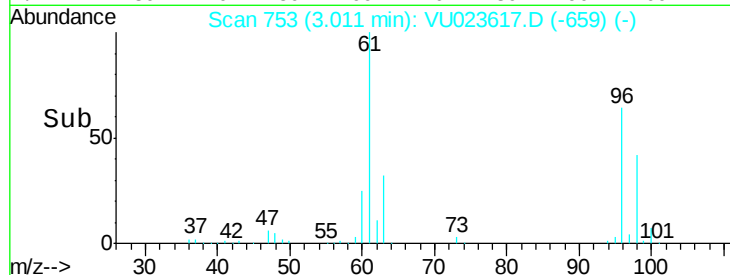
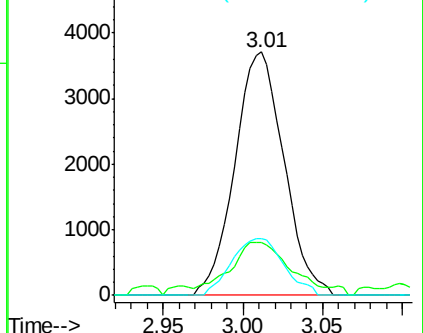


#17
Methvl tert-butvl Ether
Concen: 0.55 ug/L
RT: 3.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VU023617.D
Acq: 03 May 2018 22:38

Tot Ion: 73 Resp: 7775
Ion Ratio Lower Upper
73 100
43 20.9 16.6 25.0
57 24.7 19.4 29.0

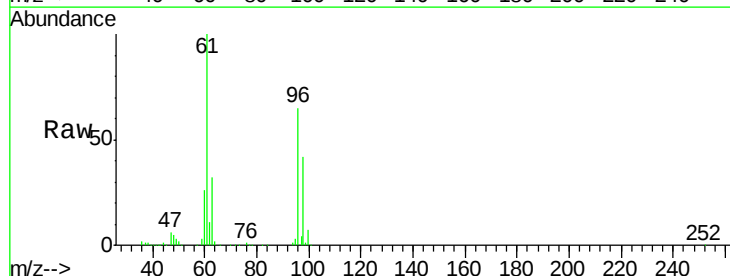


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

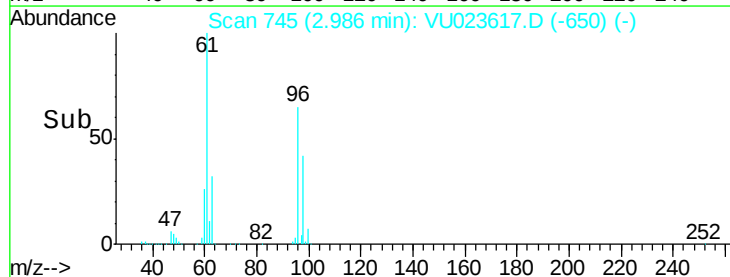
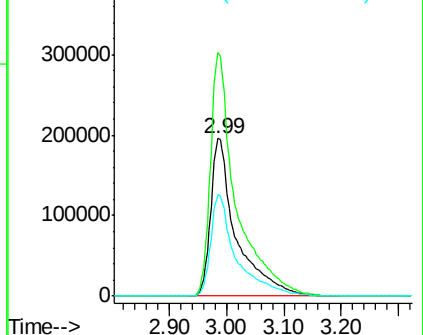


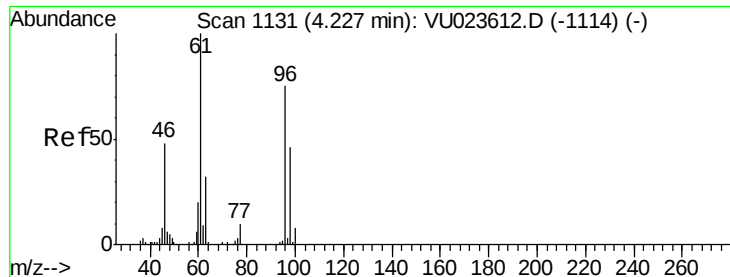
#18
trans-1,2-Dichloroethene
Concen: 99.87 ug/L
RT: 2.99 min Scan# 745
Delta R.T. 0.01 min
Lab File: VU023617.D
Acq: 03 May 2018 22:38

Tgt Ion: 96 Resp: 610175
Ion Ratio Lower Upper
96 100
61 154.8 109.0 202.4
98 64.5 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: 3881.31 ug/L m

RT: 4.22 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VU023617.D

Acq: 03 May 2018 22:38

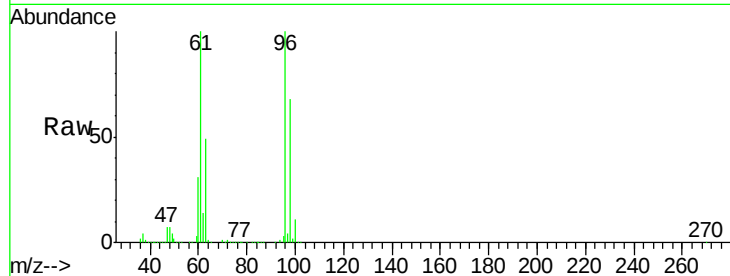
Tot Ion: 96 Resp: 28171660

Ion Ratio Lower Upper

96 100

61 100.0 94.6 175.6

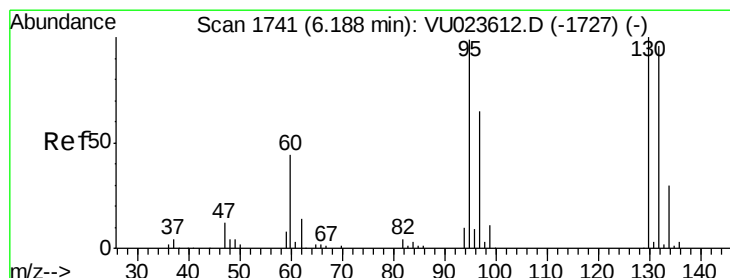
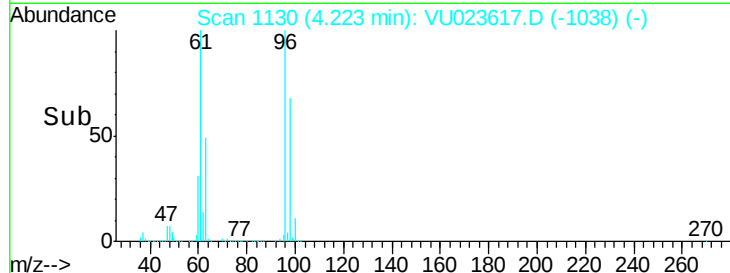
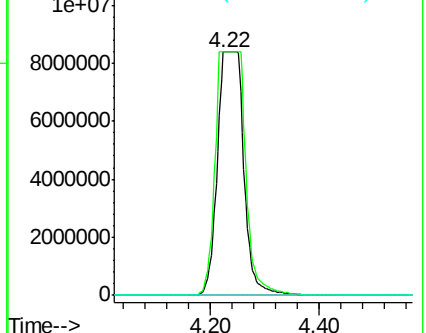
68 0.0 0.0 0.0



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: 1.91 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU023617.D

Acq: 03 May 2018 22:38

Tgt Ion: 95 Resp: 12427

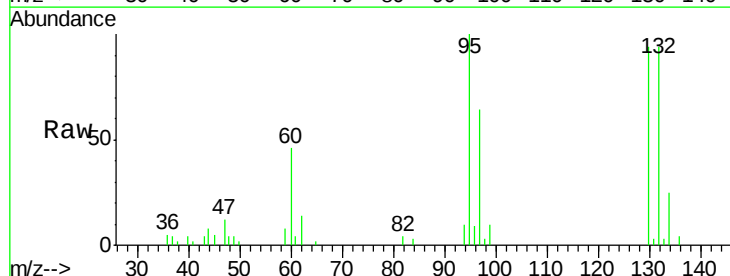
Ion Ratio Lower Upper

95 100

97 63.8 46.0 85.4

132 93.7 68.1 126.5

130 94.0 70.1 130.1

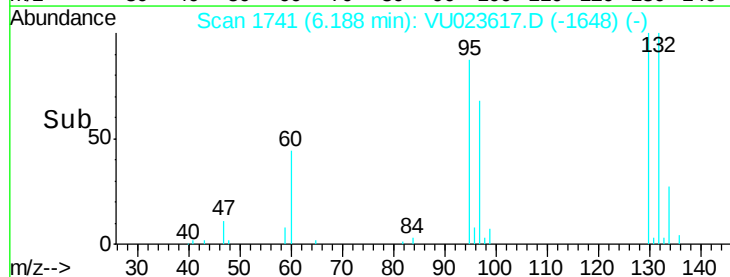
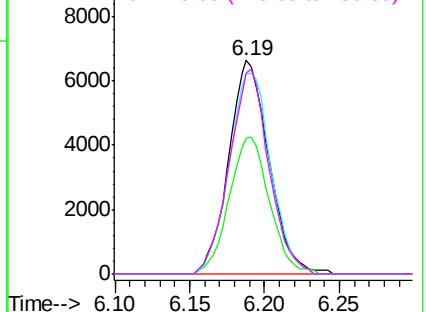


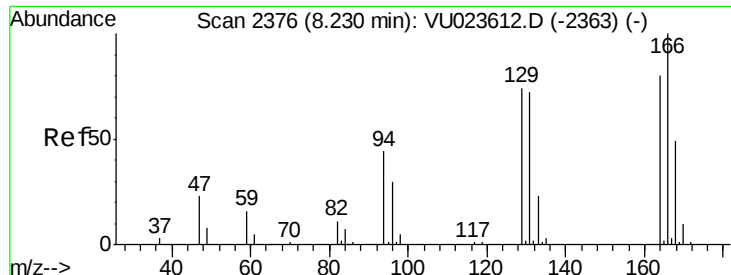
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#47

Tetrachloroethene

Concen: 0.48 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU023617.D

Acq: 03 May 2018 22:38

Tot Ion:164 Resp: 2489

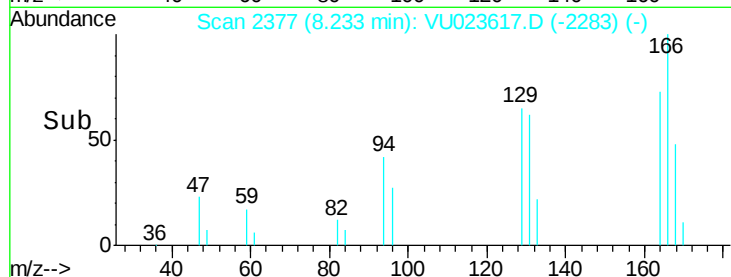
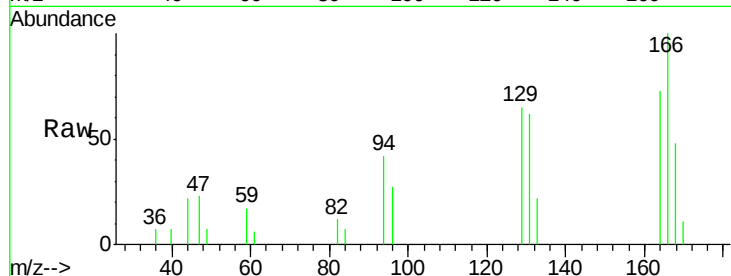
Ion Ratio Lower Upper

164 100

129 89.0 64.4 119.6

131 85.8 63.9 118.7

166 137.8 90.0 167.2



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

