

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050418\
 Data File : VU023615.D
 Acq On : 03 May 2018 21:44
 Operator : MD/SY
 Sample : J2630-08
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 04 04:54:18 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	105668	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	96939	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	39094	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	104468	13.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	272.60%#
7) Chloroethane-d5	1.68	69	32925	5.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.60%
11) 1,1-Dichloroethene-d2	2.28	63	61721	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.20%
20) 2-Butanone-d5	4.24	46	165735	74.74	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	149.48%#
24) Chloroform-d	4.65	84	75148	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.32	65	47406	6.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	128.80%
32) Benzene-d6	5.34	84	137925	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.34	67	54379	6.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	128.40%
41) Toluene-d8	7.57	98	92346	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	7.86	79	12050	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.32	63	109928	68.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.50%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	46685	6.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	138.40%#
64) 1,2-Dichlorobenzene-d4	11.87	152	39681	5.46	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.20%

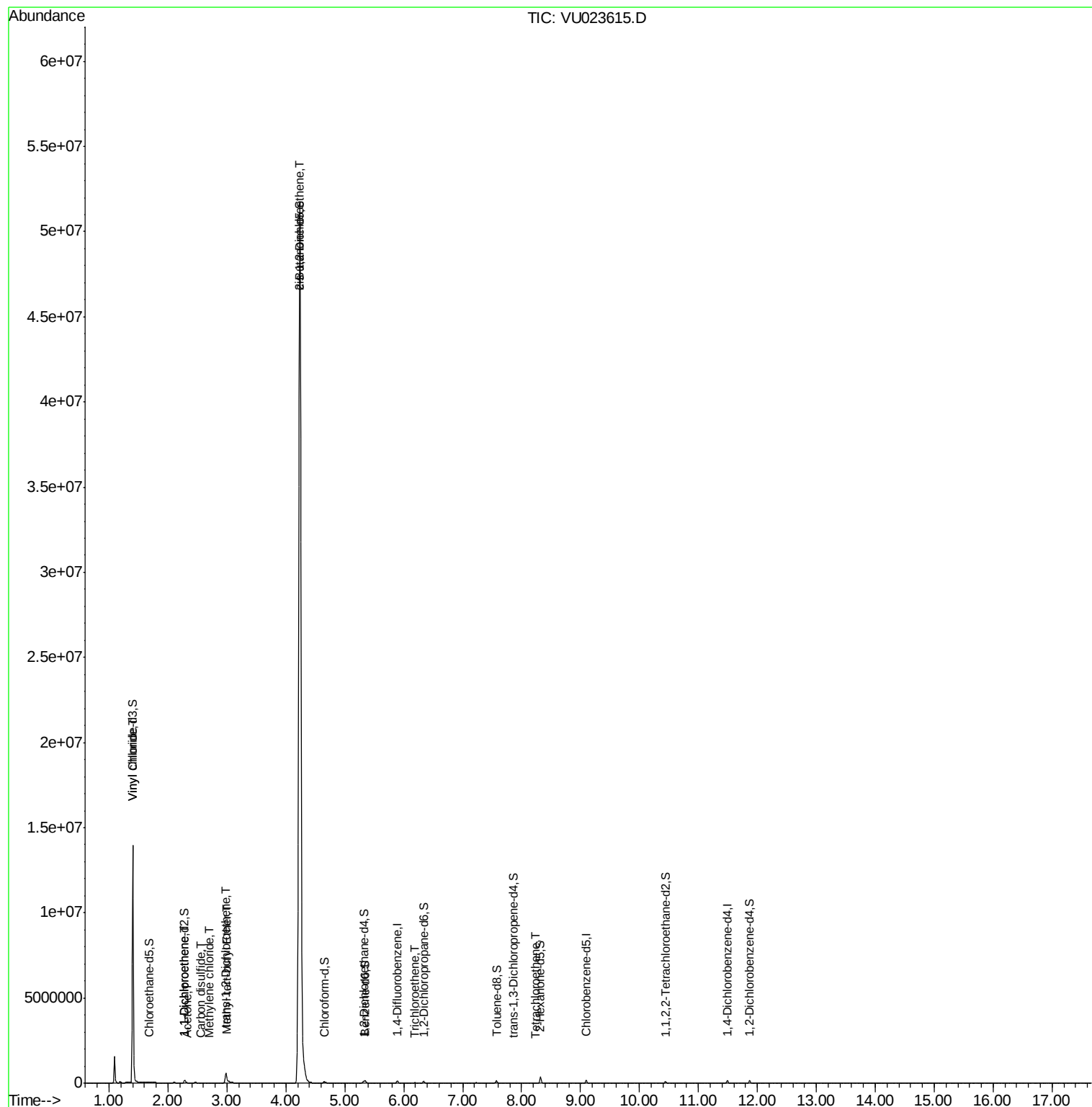
Target Compounds

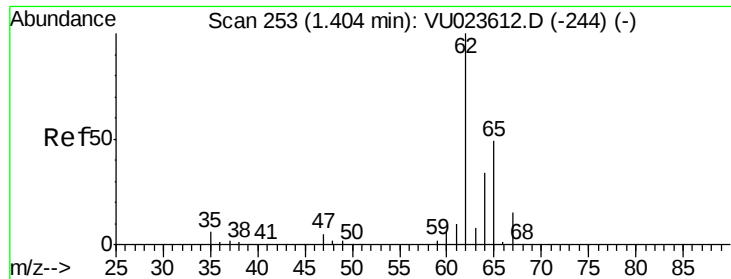
						Ovalue
5) Vinyl chloride	1.40	62	9079824	919.11	ug/L	93
12) 1,1-Dichloroethene	2.29	96	37930	6.09	ug/L	92
13) Acetone	2.33	43	8456	6.67	ug/L	97
14) Carbon disulfide	2.54	76	95887m	4.27	ug/L	
16) Methylene chloride	2.70	84	2308	0.32	ug/L	96
17) Methyl tert-butyl Ether	3.01	73	7771	0.48	ug/L #	90
18) trans-1,2-Dichloroethene	2.98	96	321577	46.75	ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	29144025m	3566.74	ug/L	
34) Trichloroethene	6.19	95	10530	1.38	ug/L	95
47) Tetrachloroethene	8.23	164	2315	0.38	ug/L	95

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

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#5

Vinyl chloride

Concen: 919.11 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU023615.D

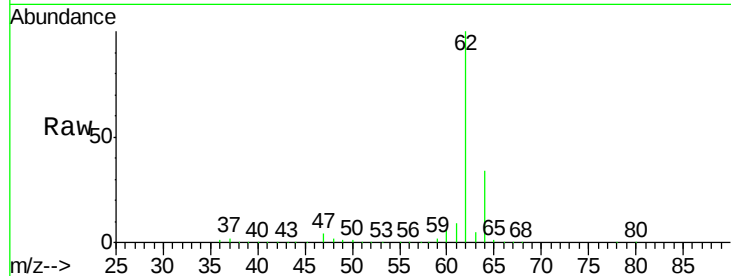
Acq: 03 May 2018 21:44

Tot Ion: 62 Resp: 9079824

Ion Ratio Lower Upper

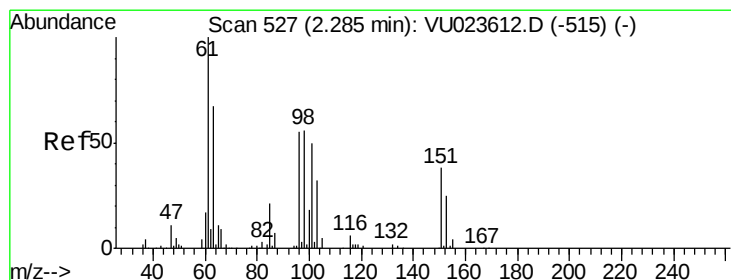
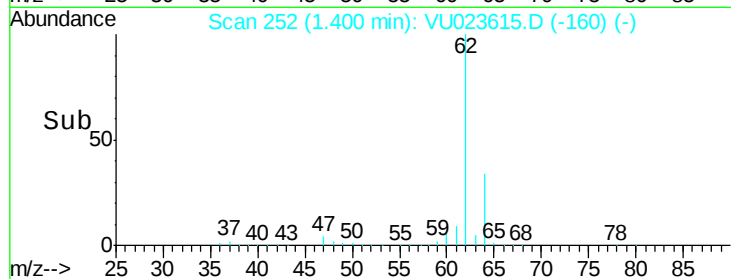
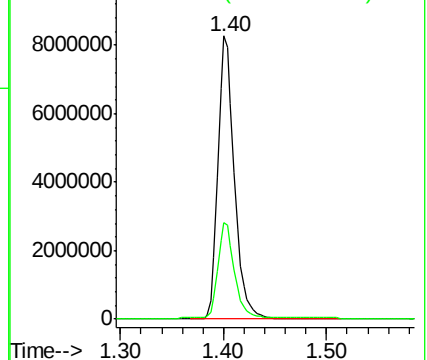
62 100

64 34.2 26.9 49.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 6.09 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023615.D

Acq: 03 May 2018 21:44

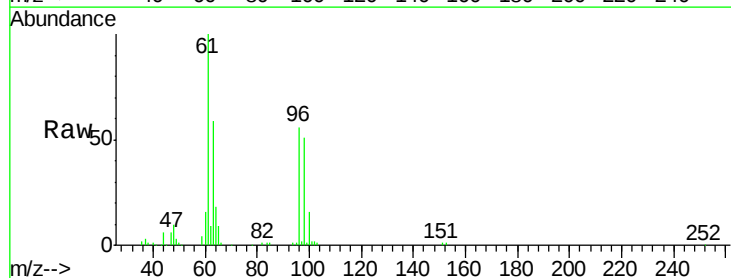
Tgt Ion: 96 Resp: 37930

Ion Ratio Lower Upper

96 100

61 177.9 127.4 236.6

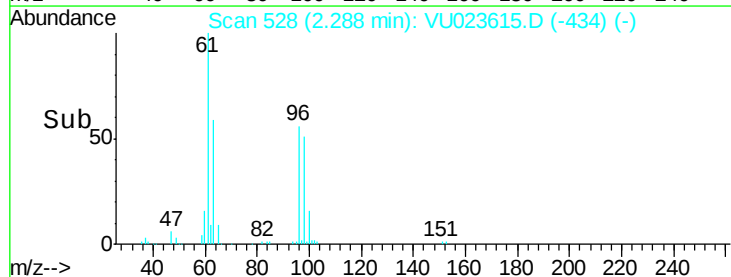
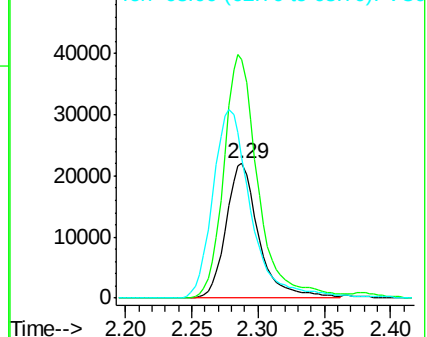
63 104.5 84.8 157.4

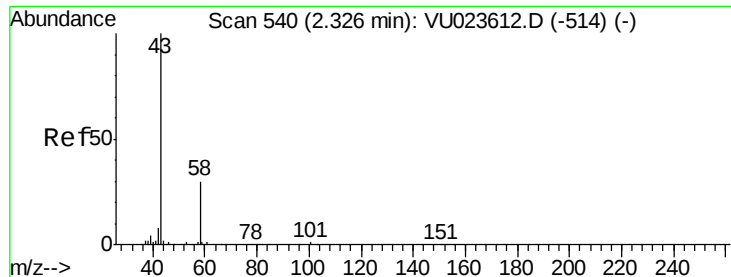


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 6.67 ug/L

RT: 2.33 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU023615.D

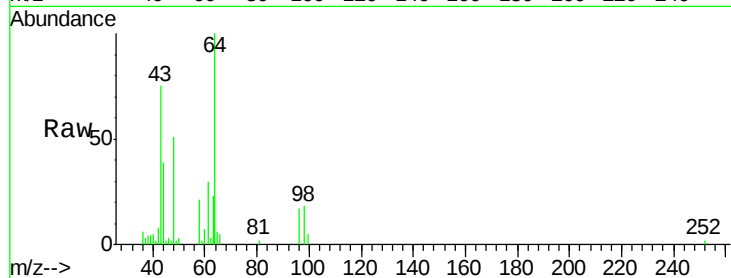
Acq: 03 May 2018 21:44

Tot Ion: 43 Resp: 8456

Ion Ratio Lower Upper

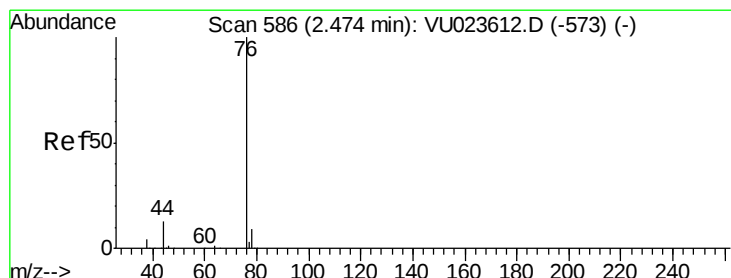
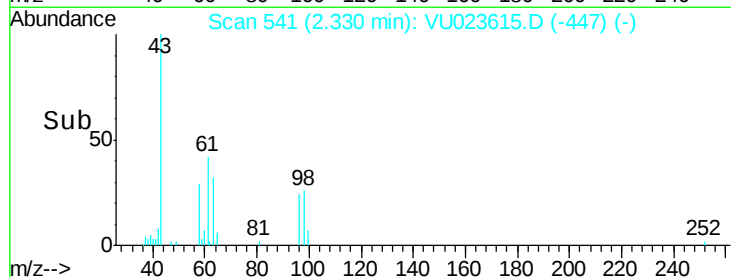
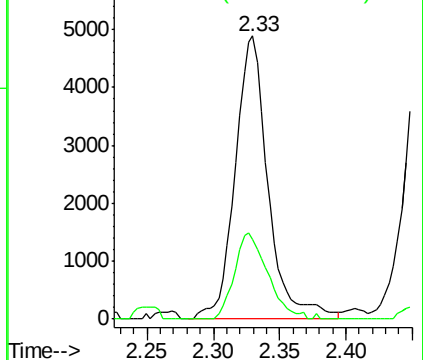
43 100

58 30.4 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: 4.27 ug/L m

RT: 2.54 min Scan# 607

Delta R.T. 0.07 min

Lab File: VU023615.D

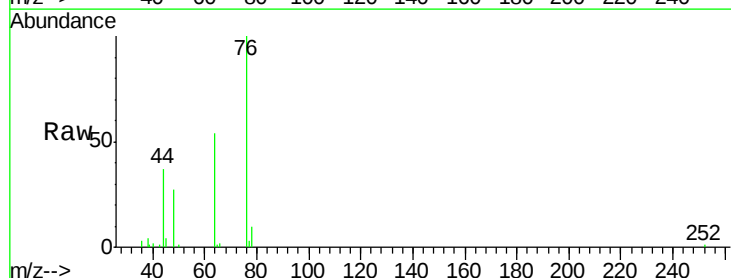
Acq: 03 May 2018 21:44

Tgt Ion: 76 Resp: 95887

Ion Ratio Lower Upper

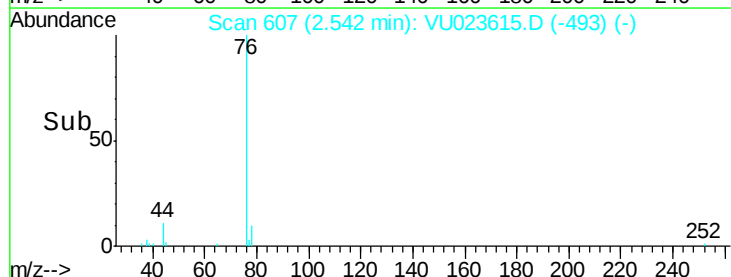
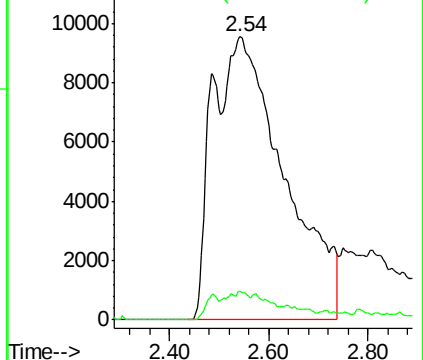
76 100

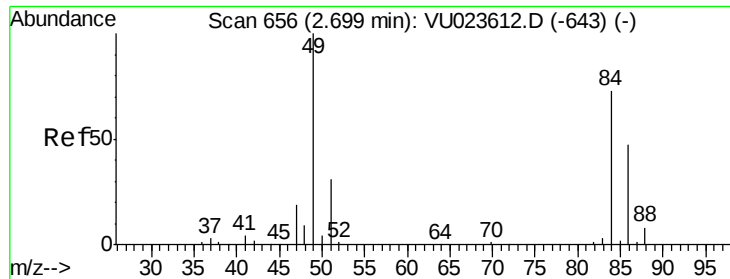
78 10.0 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

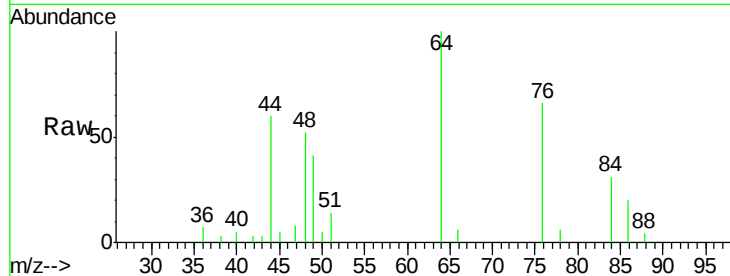
Ion 78.00 (77.70 to 78.70): VU0



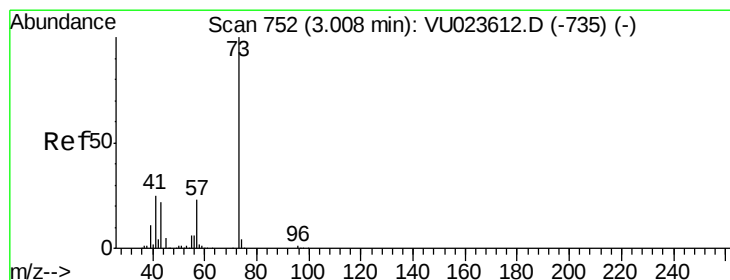
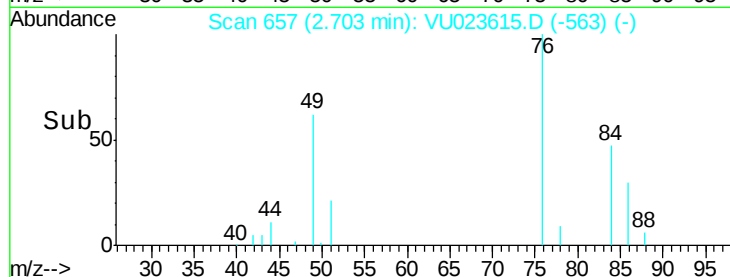
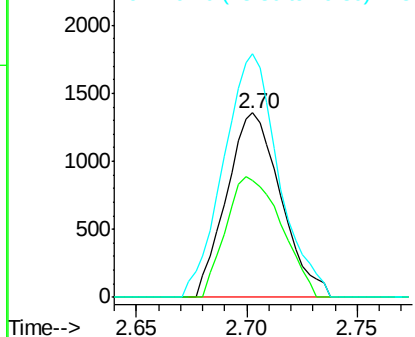


#16
Methylene chloride
Concen: 0.32 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU023615.D
Acq: 03 May 2018 21:44

Tot Ion: 84 Resp: 2308
Ion Ratio Lower Upper
84 100
86 63.6 46.0 85.4
49 132.0 96.0 178.4

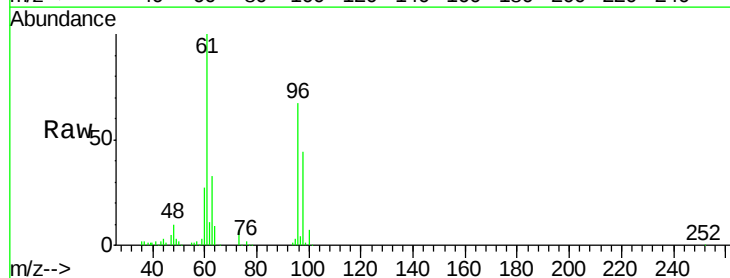


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

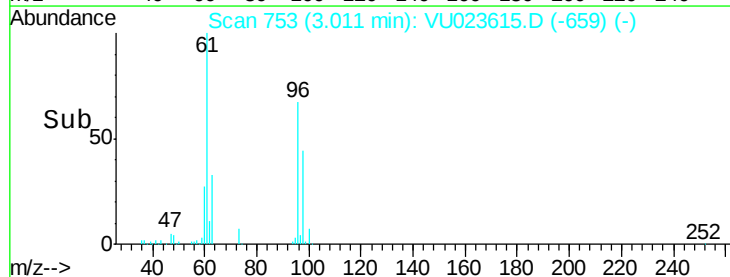
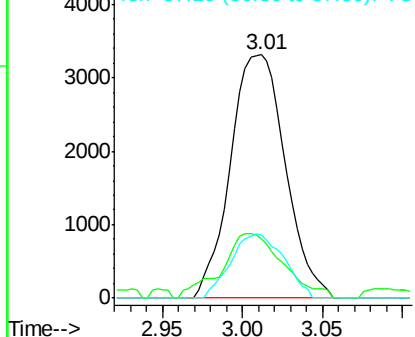


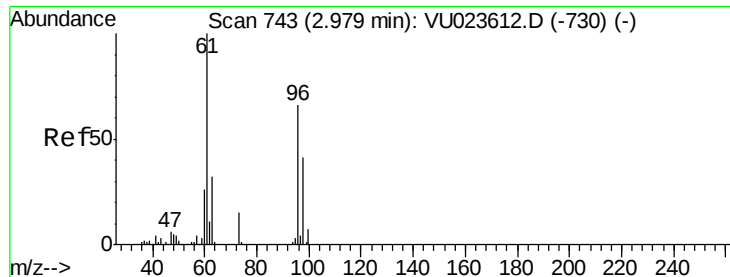
#17
Methyl tert-butyl Ether
Concen: 0.48 ug/L
RT: 3.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VU023615.D
Acq: 03 May 2018 21:44

Tgt Ion: 73 Resp: 7771
Ion Ratio Lower Upper
73 100
43 29.9 16.6 25.0#
57 25.3 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: 46.75 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU023615.D

Acq: 03 May 2018 21:44

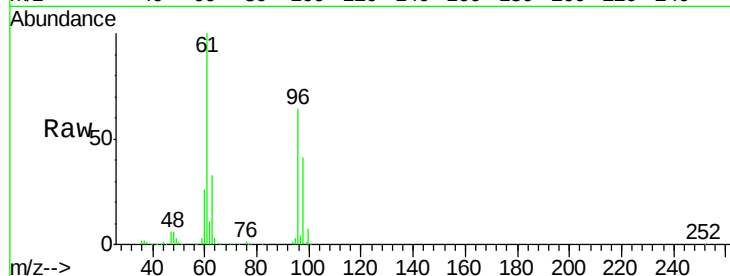
Tot Ion: 96 Resp: 321577

Ion	Ratio	Lower	Upper
96	100		
61	156.3	109.0	202.4
98	64.6	44.7	83.1

96 100

61 156.3 109.0 202.4

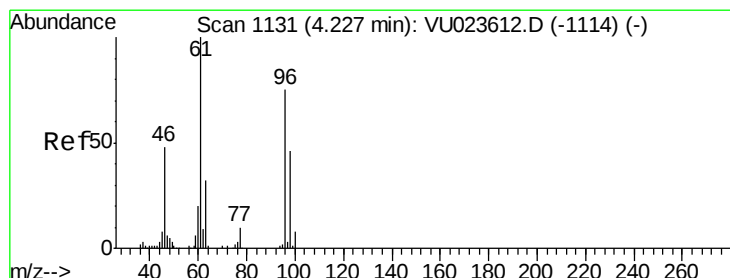
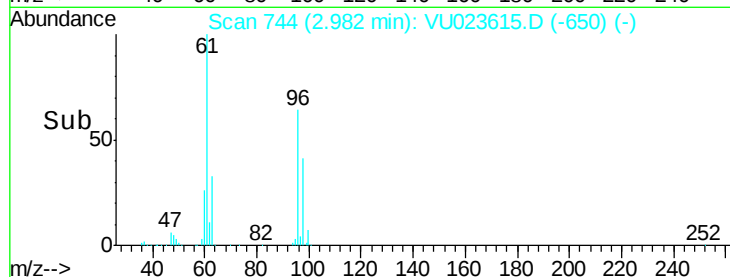
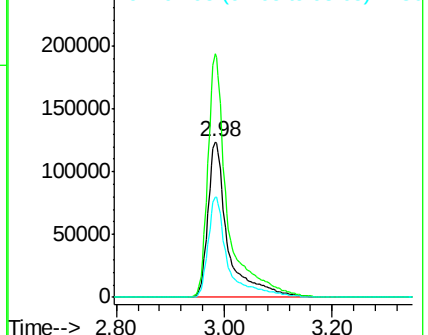
98 64.6 44.7 83.1



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: 3566.74 ug/L m

RT: 4.22 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VU023615.D

Acq: 03 May 2018 21:44

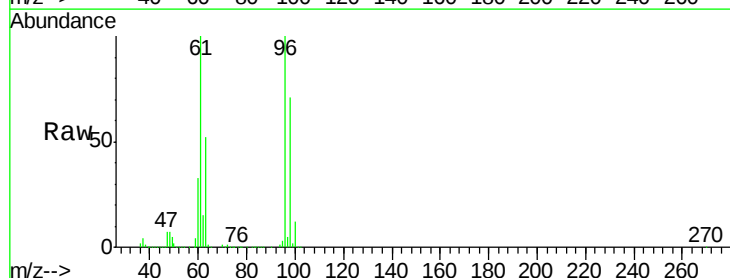
Tgt Ion: 96 Resp: 29144025

Ion	Ratio	Lower	Upper
96	100		
61	100.0	94.6	175.6
68	0.0	0.0	0.0

96 100

61 100.0 94.6 175.6

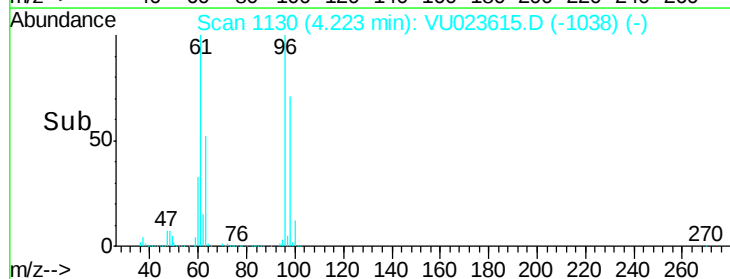
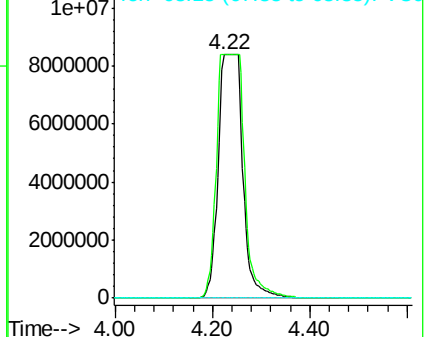
68 0.0 0.0 0.0

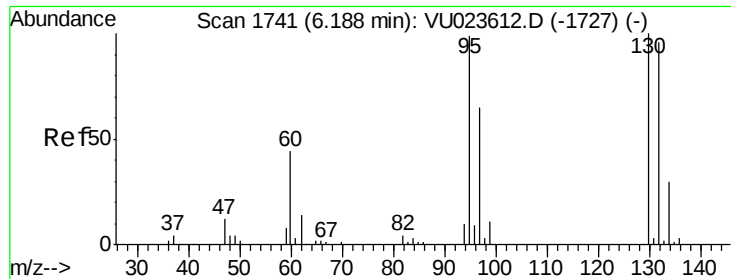


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

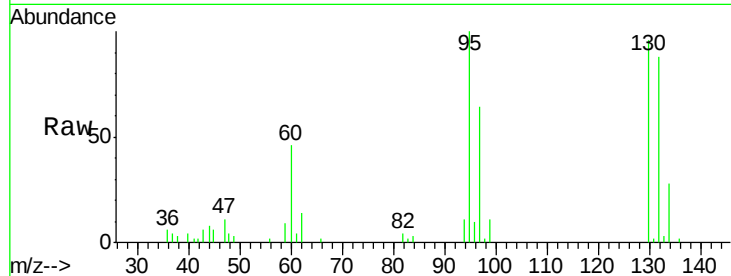
Ion 68.15 (67.85 to 68.85): VU0



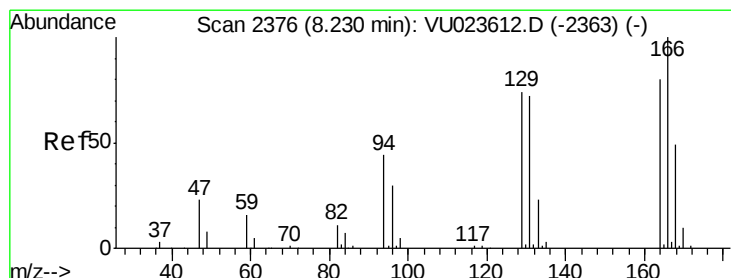
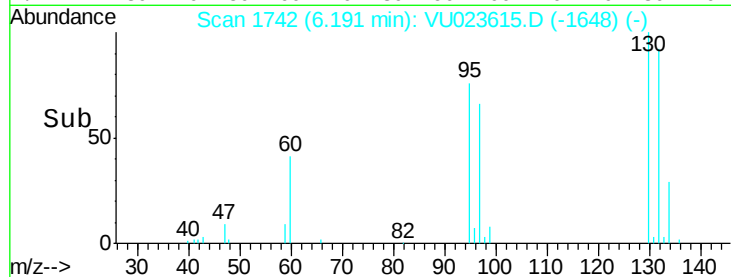
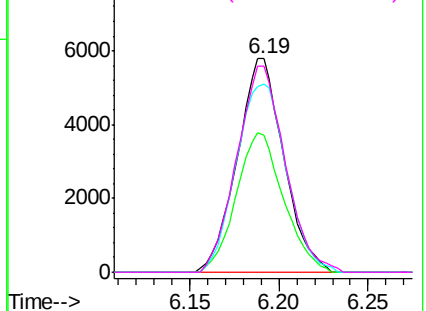


#34
 Trichloroethene
 Concen: 1.38 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU023615.D
 Acq: 03 May 2018 21:44

Tot Ion: 95 Resp: 10530
 Ion Ratio Lower Upper
 95 100
 97 64.0 46.0 85.4
 132 88.4 68.1 126.5
 130 96.5 70.1 130.1

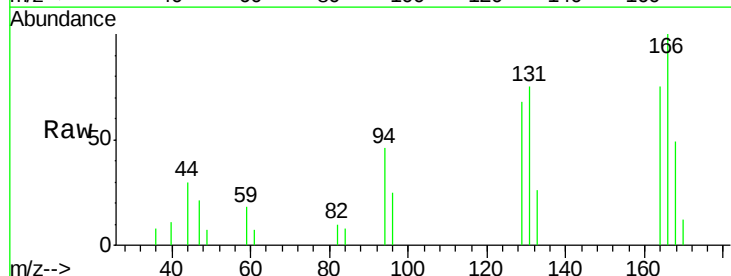


Abundance Ion 95.00 (94.70 to 95.70): VU023615.D (-1648) (-)
 Ion 96.95 (96.65 to 97.65): VU023615.D (-1648) (-)
 Ion 131.95 (131.65 to 132.65): VU023615.D (-1648) (-)
 Ion 129.95 (129.65 to 130.65): VU023615.D (-1648) (-)



#47
 Tetrachloroethene
 Concen: 0.38 ug/L
 RT: 8.23 min Scan# 2377
 Delta R.T. 0.00 min
 Lab File: VU023615.D
 Acq: 03 May 2018 21:44

Tgt Ion: 164 Resp: 2315
 Ion Ratio Lower Upper
 164 100
 129 90.4 64.4 119.6
 131 100.8 63.9 118.7
 166 133.6 90.0 167.2



Abundance Ion 163.90 (163.60 to 164.60): VU023615.D (-2283) (-)
 Ion 128.95 (128.65 to 129.65): VU023615.D (-2283) (-)
 Ion 130.95 (130.65 to 131.65): VU023615.D (-2283) (-)
 Ion 165.90 (165.60 to 166.60): VU023615.D (-2283) (-)

