

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050418\
 Data File : VU023630.D
 Acq On : 04 May 2018 04:30
 Operator : MD/SY
 Sample : J2630-23
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 04 05:40:18 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	107128	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	101377	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	40525	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	91919	11.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	236.60%#
7) Chloroethane-d5	1.68	69	34337	5.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.00%
11) 1,1-Dichloroethene-d2	2.28	63	59991	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.60%
20) 2-Butanone-d5	4.23	46	174535	77.64	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	155.28%#
24) Chloroform-d	4.65	84	80421	5.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.40%
26) 1,2-Dichloroethane-d4	5.32	65	48444	6.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.80%
32) Benzene-d6	5.34	84	144093	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.34	67	54440	6.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	123.00%
41) Toluene-d8	7.57	98	101732	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	7.86	79	13192	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.32	63	114663	68.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.14%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	47648	6.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	135.20%#
64) 1,2-Dichlorobenzene-d4	11.87	152	42772	5.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.60%

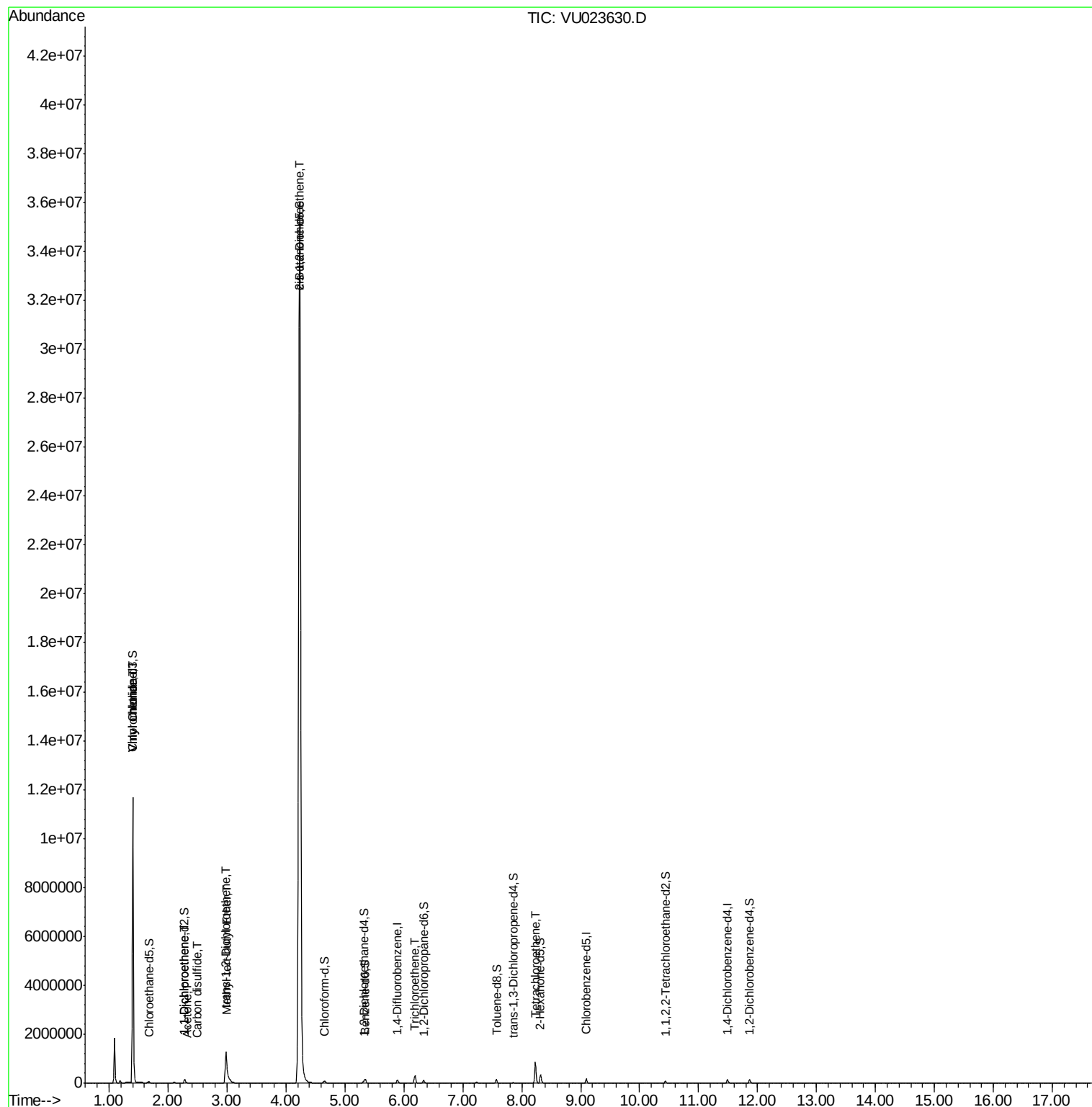
Target Compounds

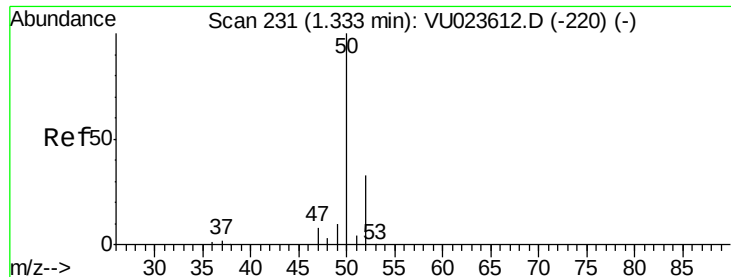
					Ovalue
3) Chloromethane	1.40	50	45599	4.15	ug/L # 43
5) Vinyl chloride	1.40	62	7700502	768.86	ug/L 92
12) 1,1-Dichloroethene	2.29	96	29559	4.68	ug/L 95
13) Acetone	2.33	43	7238	5.64	ug/L 91
14) Carbon disulfide	2.49	76	65815m	2.89	ug/L
17) Methyl tert-butyl Ether	3.00	73	7615	0.47	ug/L # 91
18) trans-1,2-Dichloroethene	2.99	96	695002	99.67	ug/L 99
22) cis-1,2-Dichloroethene	4.23	96	20902784	2523.28	ug/L # 74
34) Trichloroethene	6.19	95	110074	13.84	ug/L 98
47) Tetrachloroethene	8.23	164	200038	31.75	ug/L 99

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

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#3

Chloromethane

Concen: 4.15 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.07 min

Lab File: VU023630.D

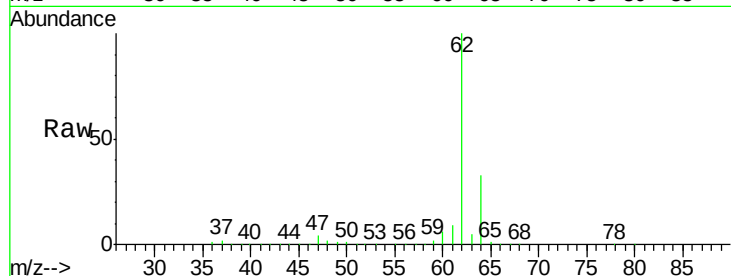
Acq: 04 May 2018 04:30

Tot Ion: 50 Resp: 45599

Ion Ratio Lower Upper

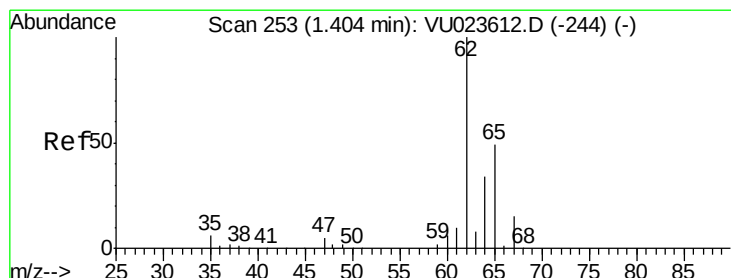
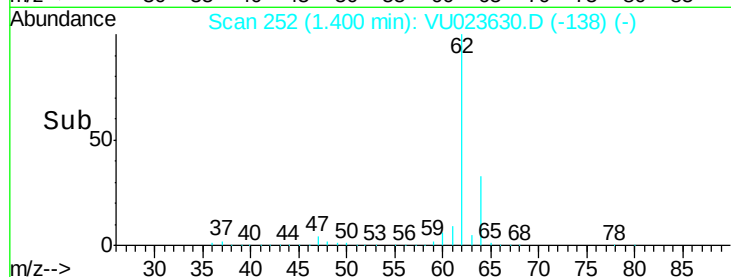
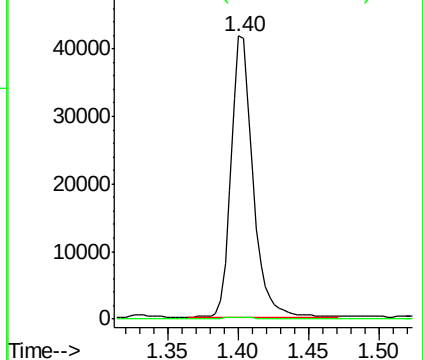
50 100

52 0.8 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 768.86 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023630.D

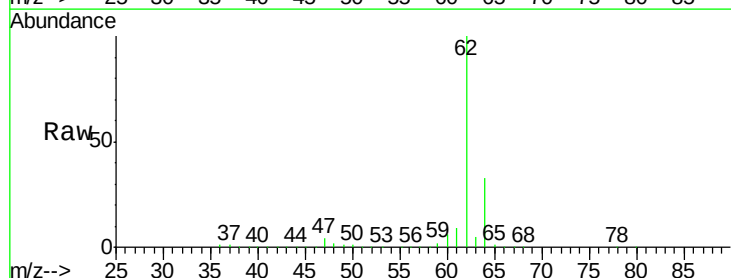
Acq: 04 May 2018 04:30

Tgt Ion: 62 Resp: 7700502

Ion Ratio Lower Upper

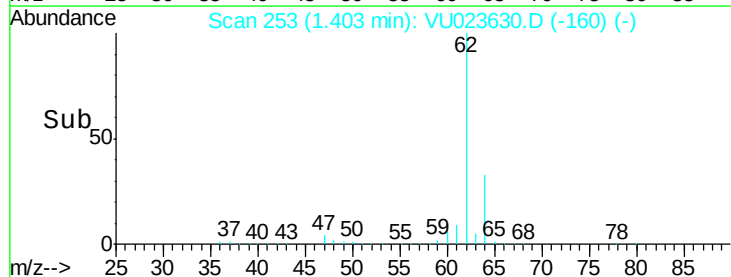
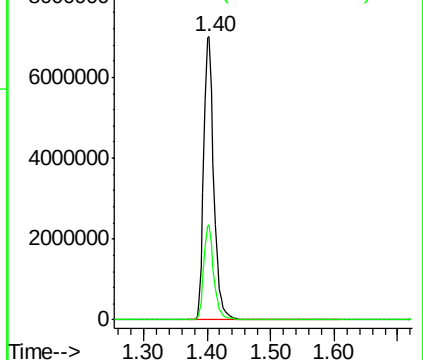
62 100

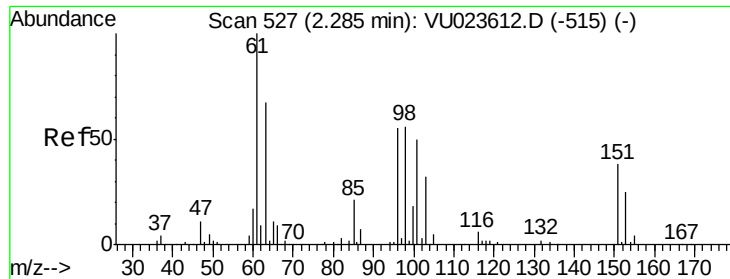
64 33.4 26.9 49.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#12

1,1-Dichloroethene

Concen: 4.68 ug/L

RT: 2.29 min Scan# 528

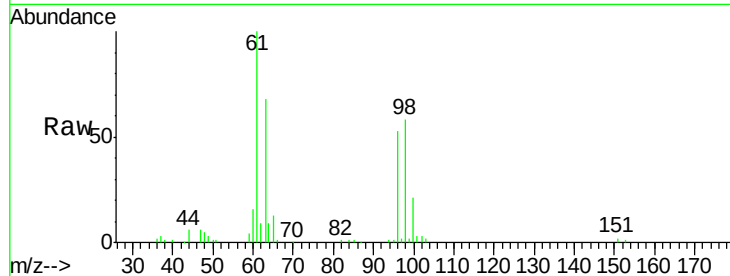
Delta R.T. 0.00 min

Lab File: VU023630.D

Acq: 04 May 2018 04:30

Tot Ion: 96 Resp: 29559

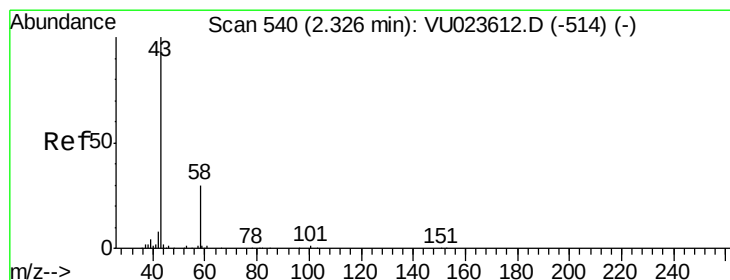
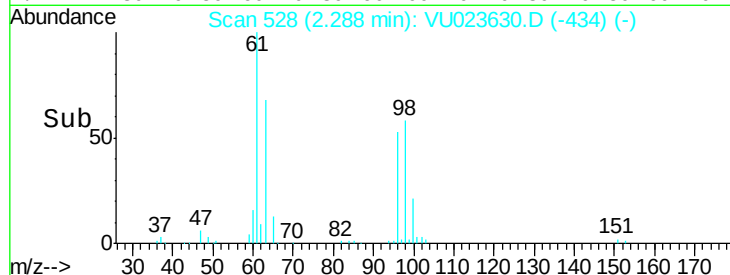
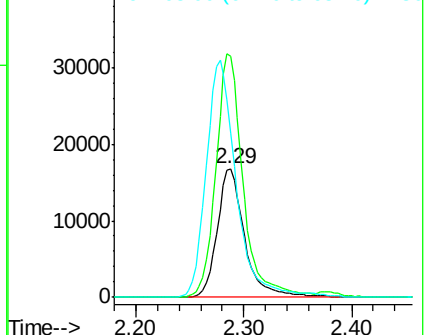
Ion	Ratio	Lower	Upper
96	100		
61	187.5	127.4	236.6
63	127.6	84.8	157.4



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: 5.64 ug/L

RT: 2.33 min Scan# 540

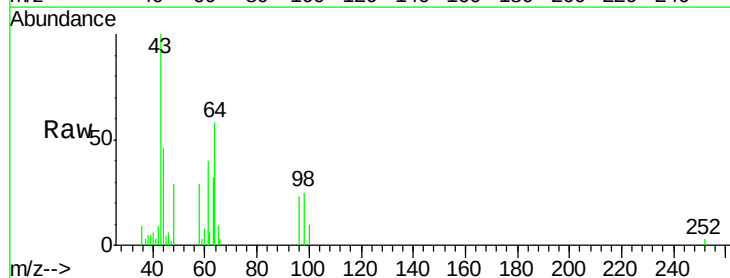
Delta R.T. -0.00 min

Lab File: VU023630.D

Acq: 04 May 2018 04:30

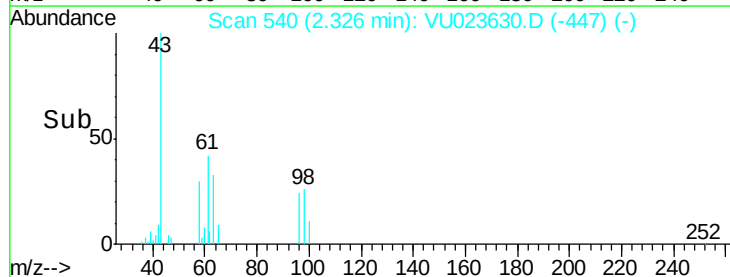
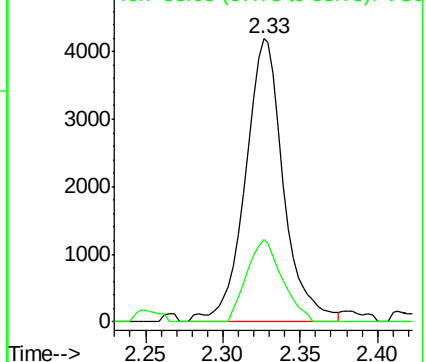
Tgt Ion: 43 Resp: 7238

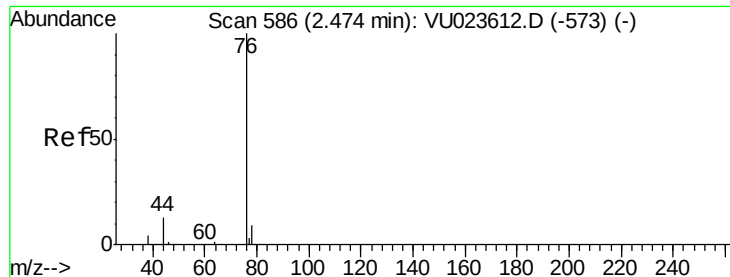
Ion	Ratio	Lower	Upper
43	100		
58	26.9	0.0	63.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#14

Carbon disulfide

Concen: 2.89 ug/L m

RT: 2.49 min Scan# 590

Delta R.T. 0.01 min

Lab File: VU023630.D

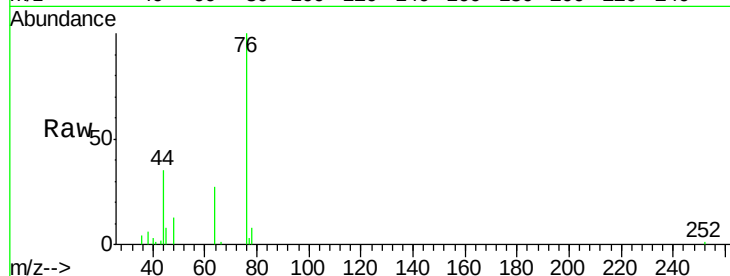
Acq: 04 May 2018 04:30

Tot Ion: 76 Resp: 65815

Ion Ratio Lower Upper

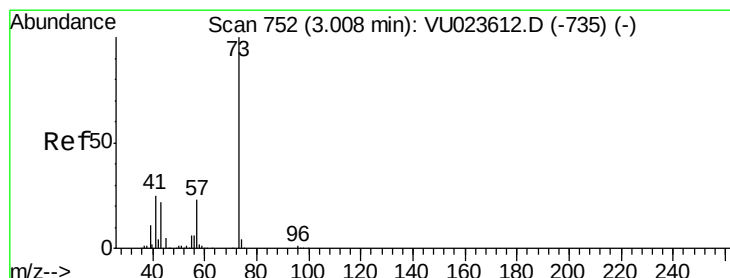
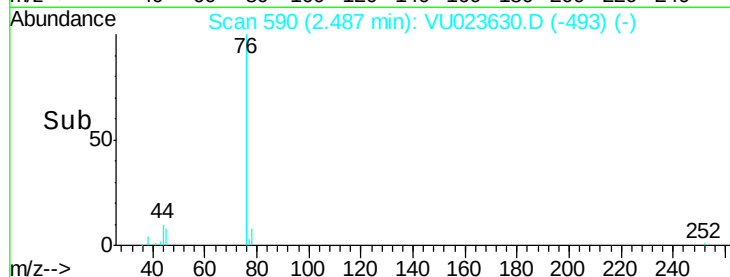
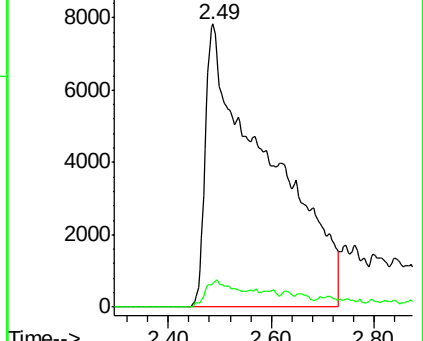
76 100

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



#17

Methyl tert-butyl Ether

Concen: 0.47 ug/L

RT: 3.00 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU023630.D

Acq: 04 May 2018 04:30

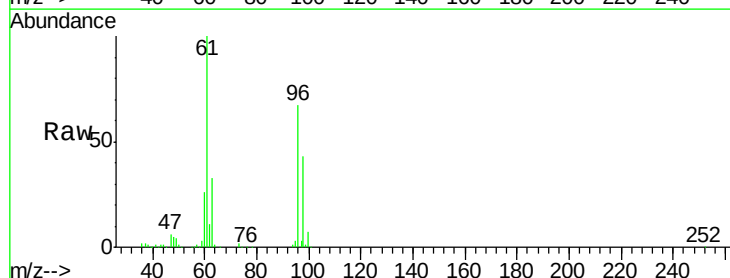
Tgt Ion: 73 Resp: 7615

Ion Ratio Lower Upper

73 100

43 29.3 16.6 25.0#

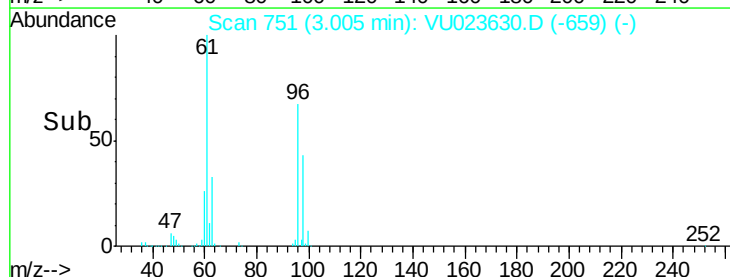
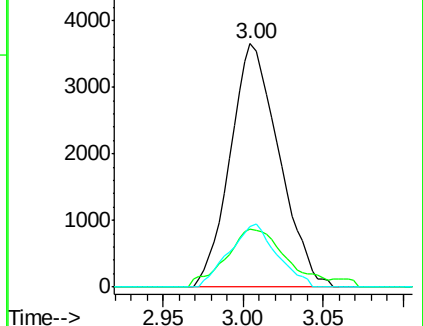
57 25.2 19.4 29.0

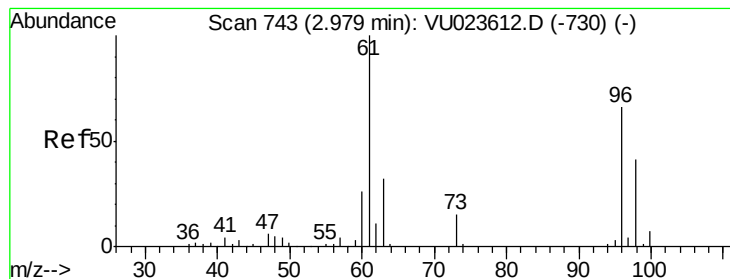


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 99.67 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.01 min

Lab File: VU023630.D

Acq: 04 May 2018 04:30

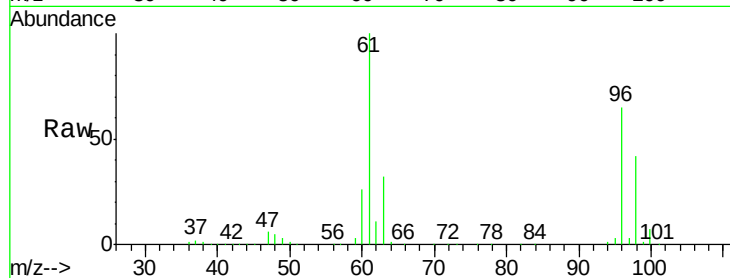
Tot Ion: 96 Resp: 695002

Ion Ratio Lower Upper

96 100

61 154.0 109.0 202.4

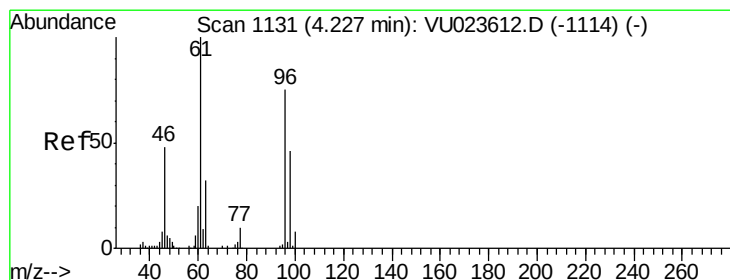
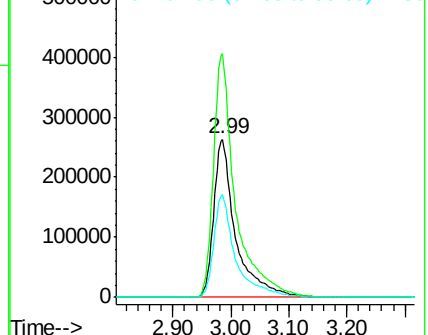
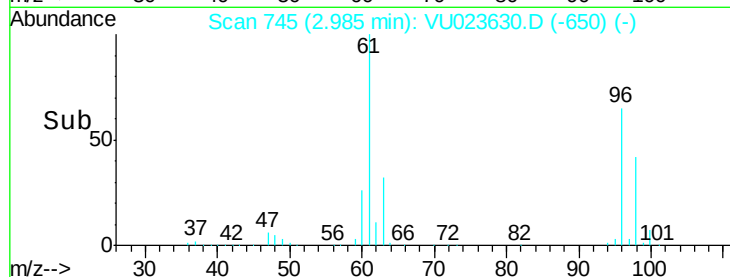
98 65.0 44.7 83.1



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: 2523.28 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VU023630.D

Acq: 04 May 2018 04:30

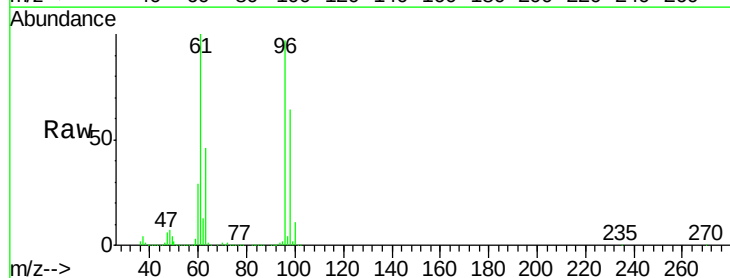
Tgt Ion: 96 Resp: 20902784

Ion Ratio Lower Upper

96 100

61 103.6 94.6 175.6

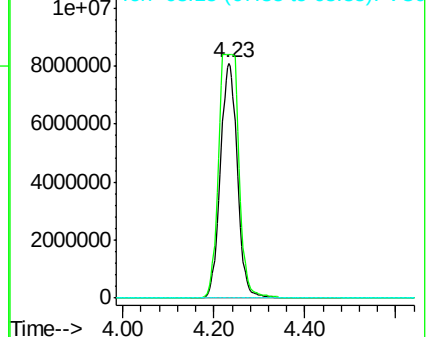
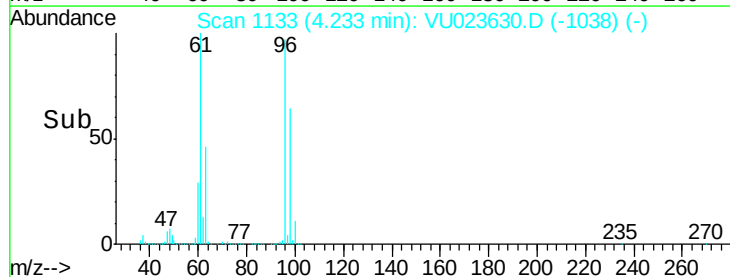
68 0.0 0.0 0.0#

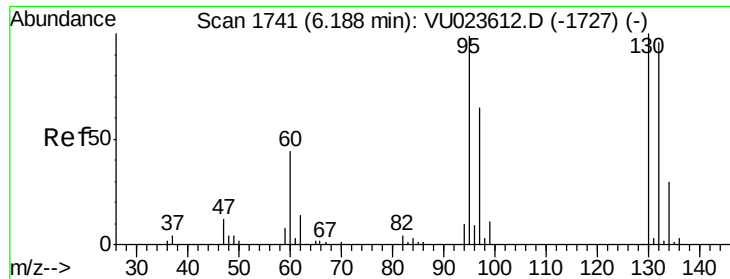


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 13.84 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU023630.D

Acq: 04 May 2018 04:30

Tot Ion: 95 Resp: 110074

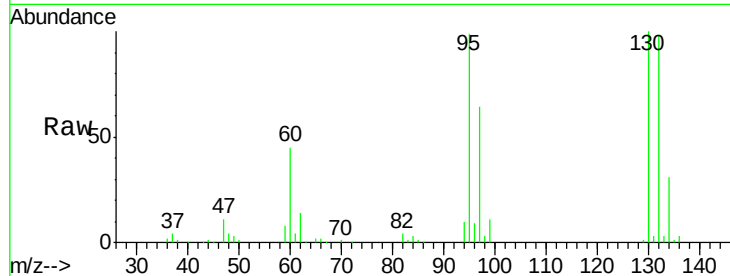
Ion Ratio Lower Upper

95 100

97 64.7 46.0 85.4

132 99.5 68.1 126.5

130 101.1 70.1 130.1

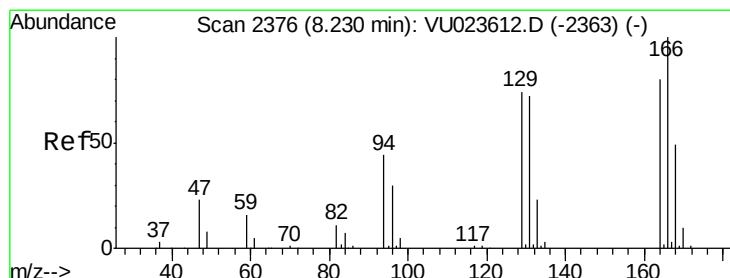
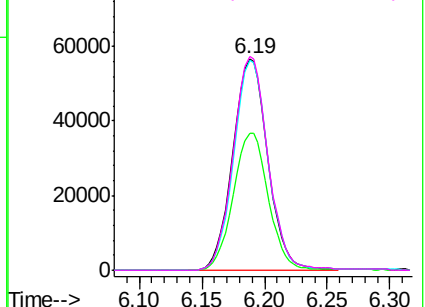
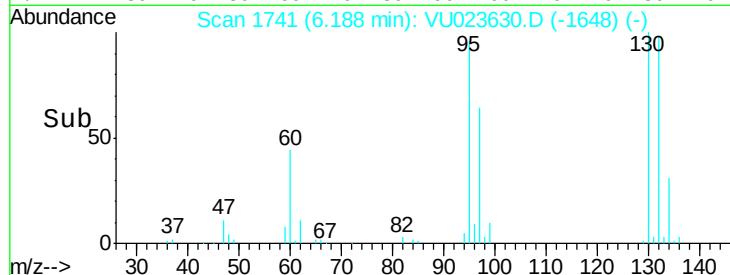


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 31.75 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU023630.D

Acq: 04 May 2018 04:30

Tgt Ion: 164 Resp: 200038

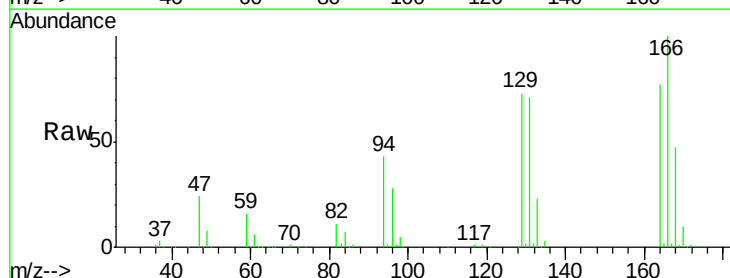
Ion Ratio Lower Upper

164 100

129 94.2 64.4 119.6

131 92.2 63.9 118.7

166 129.2 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

