

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121418\
 Data File : VU028671.D
 Acq On : 13 Dec 2018 11:46
 Operator : MD/SY
 Sample : J6377-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-B-181211-01

Quant Time: Dec 14 05:36:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

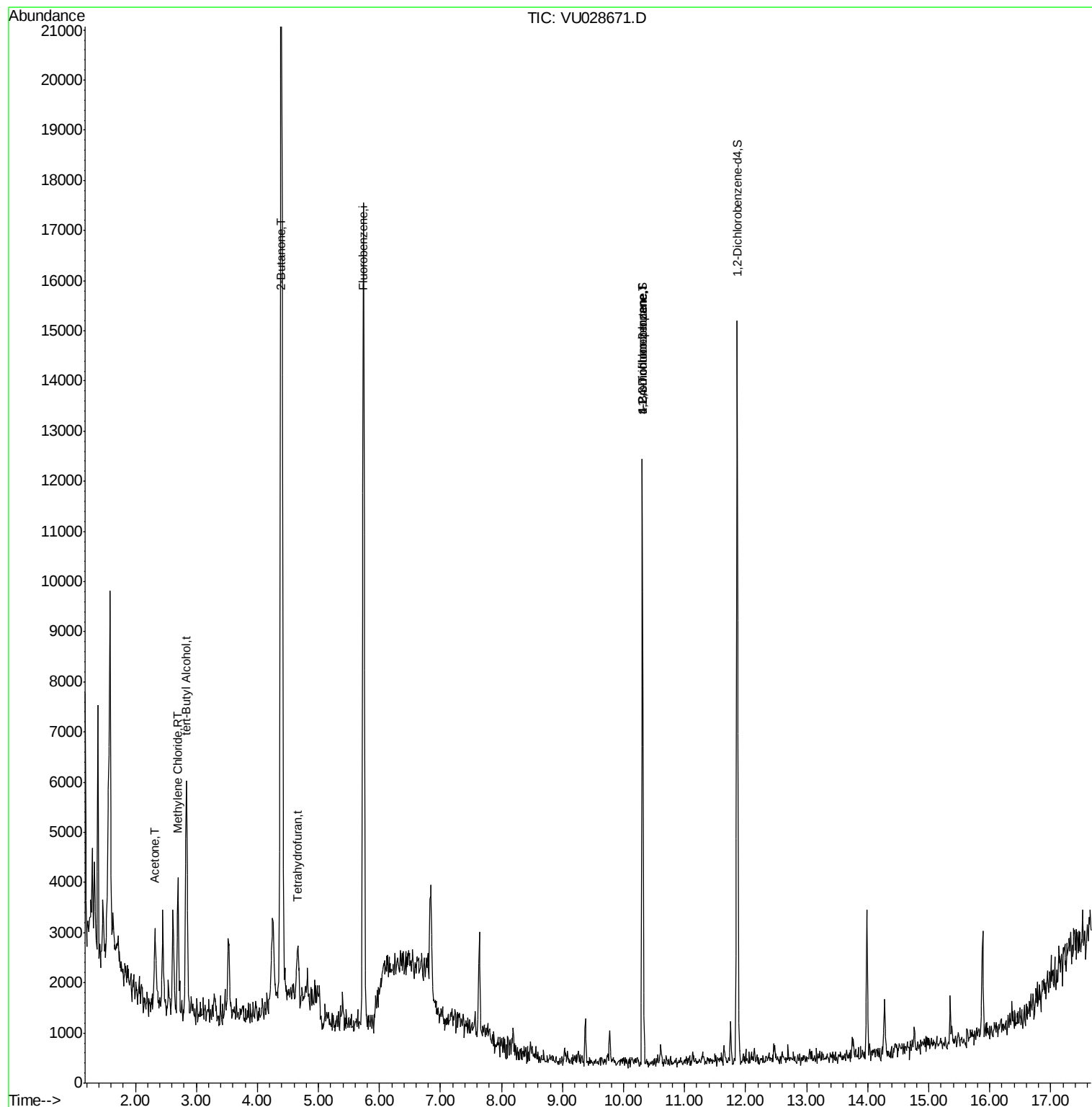
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	15035	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	4054	0.73	ug/l	0.00
Spiked Amount 1.000			Recovery	=	73.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	3878	0.76	ug/l	0.00
Spiked Amount 1.000			Recovery	=	76.00%	
Target Compounds						
					Ovalue	
13) Acetone	2.32	43	2100	1.943	ug/l	99
15) Methylene Chloride	2.70	84	949	0.213	ug/l	92
18) 2-Butanone	4.39	43	35070	21.720	ug/l	78
24) tert-Butyl Alcohol	2.83	59	5106	13.863	ug/l #	91
41) Tetrahydrofuran	4.66	42	825	0.755	ug/l #	50
46) t-1,4-Dichloro-2-butene	10.31	75	2172	1.568	ug/l #	21
71) 1,2,3-Trichloropropane	10.31	75	2172	0.702	ug/l #	47

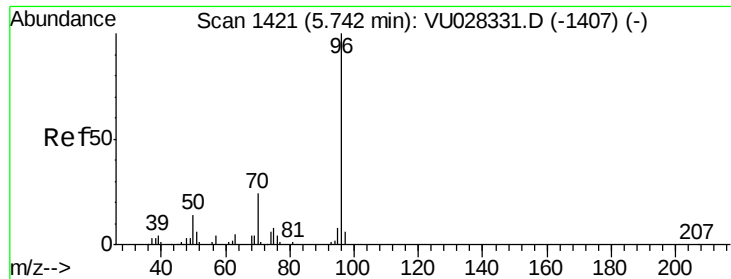
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028671.D

Acq: 13 Dec 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

TB-B-181211-01

Tot Ion: 96 Resp: 15035

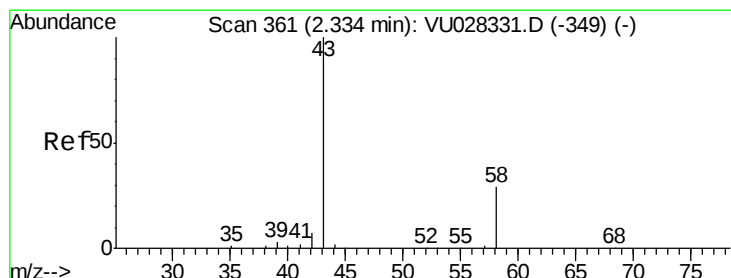
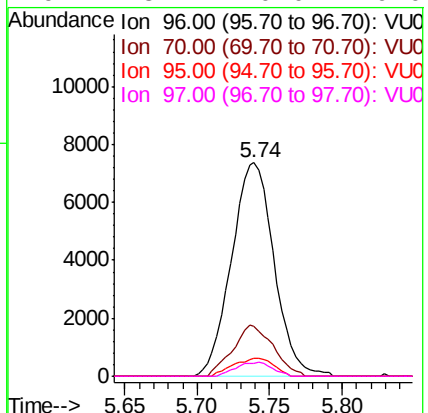
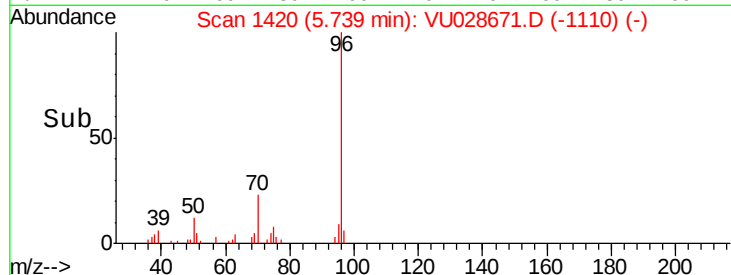
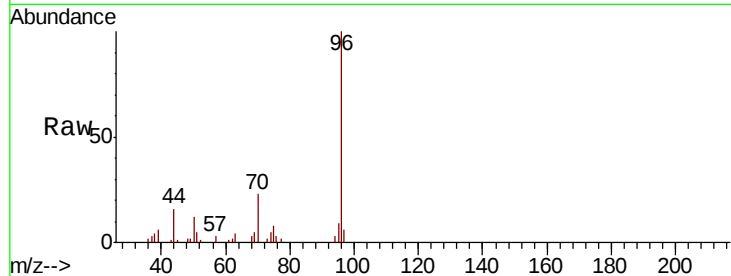
Ion Ratio Lower Upper

96 100

70 22.6 17.8 26.8

95 8.0 7.6 11.4

97 5.7 0.0 0.0#



#13

Acetone

Concen: 1.943 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.02 min

Lab File: VU028671.D

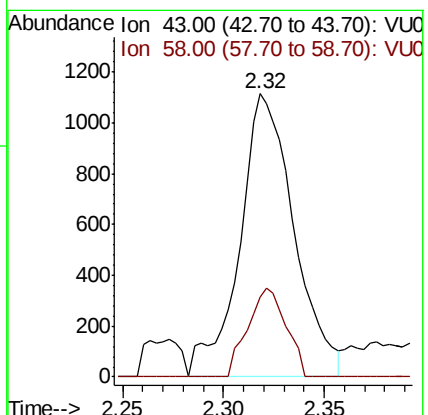
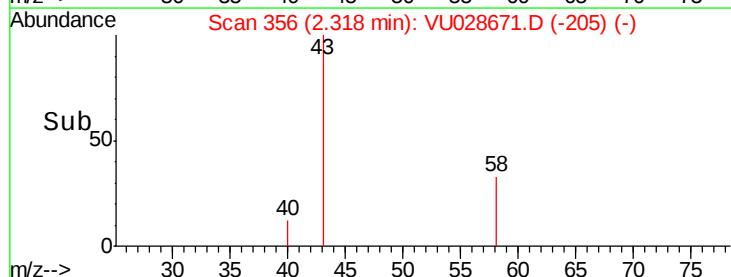
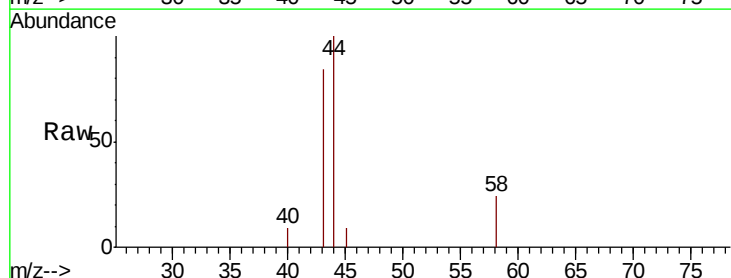
Acq: 13 Dec 2018 11:46

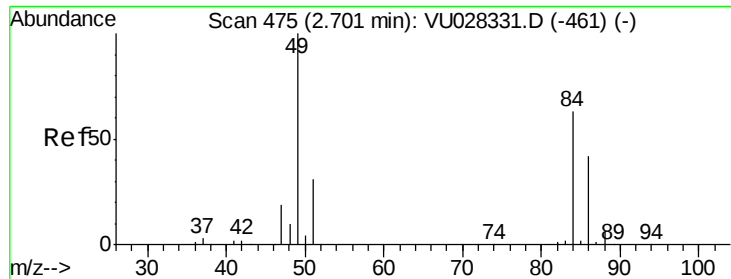
Tgt Ion: 43 Resp: 2100

Ion Ratio Lower Upper

43 100

58 28.2 23.1 34.7

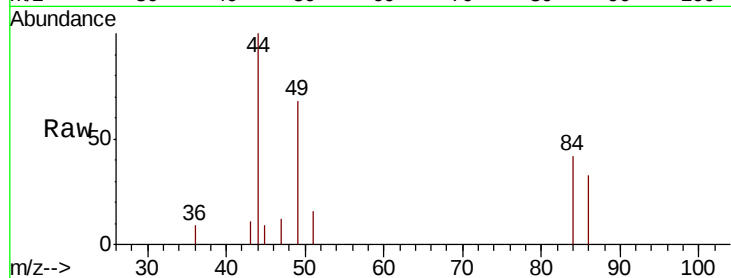




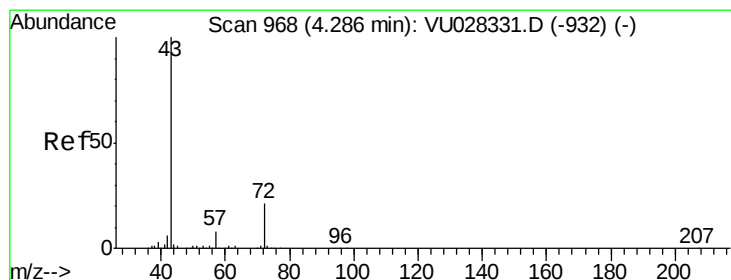
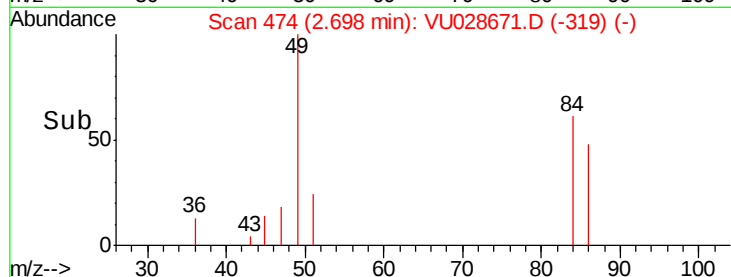
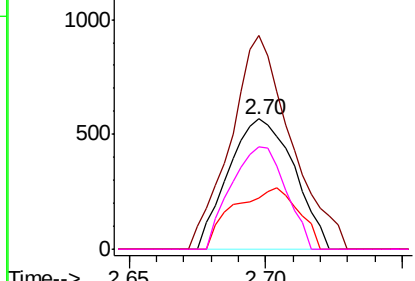
#15
Methvlene Chloride
Concen: 0.213 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028671.D
Acq: 13 Dec 2018 11:46

Instrument :
MSVOA_U
ClientSampleId :
TB-B-181211-01

Tot Ion: 84 Resp: 949
Ion Ratio Lower Upper
84 100
49 164.3 127.7 191.5
51 39.6 0.0 98.2
86 79.2 53.1 79.7

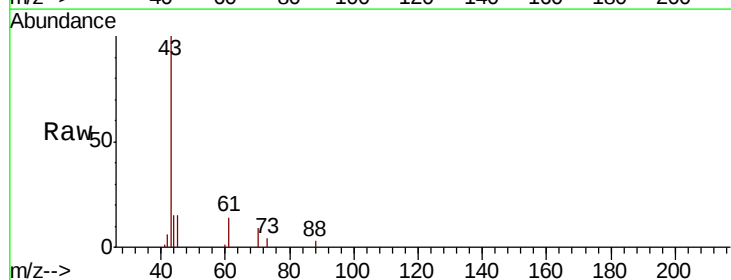


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

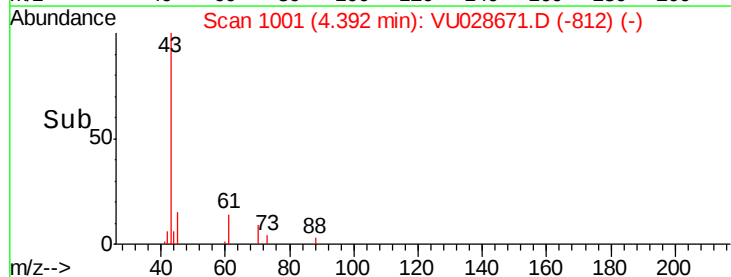
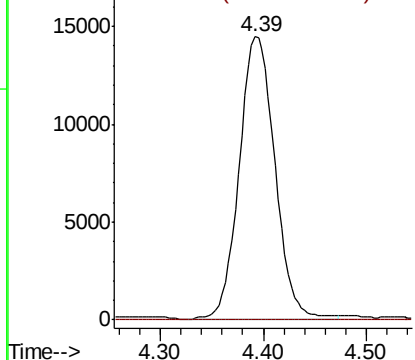


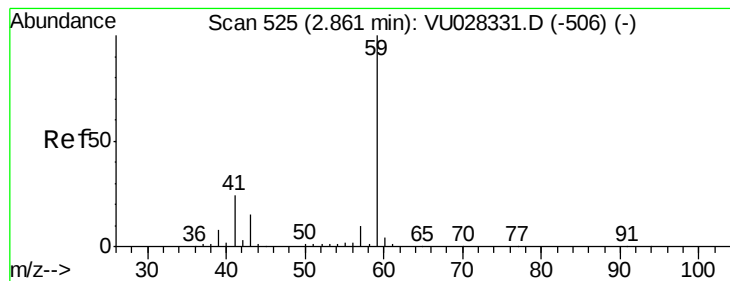
#18
2-Butanone
Concen: 21.720 ug/l
RT: 4.39 min Scan# 1001
Delta R.T. 0.11 min
Lab File: VU028671.D
Acq: 13 Dec 2018 11:46

Tgt Ion: 43 Resp: 35070
Ion Ratio Lower Upper
43 100
57 0.0 0.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#24

tert-Butyl Alcohol

Concen: 13.863 ug/l

RT: 2.83 min Scan# 516

Delta R.T. -0.03 min

Lab File: VU028671.D

Acq: 13 Dec 2018 11:46

Instrument :

MSVOA_U

ClientSampleId :

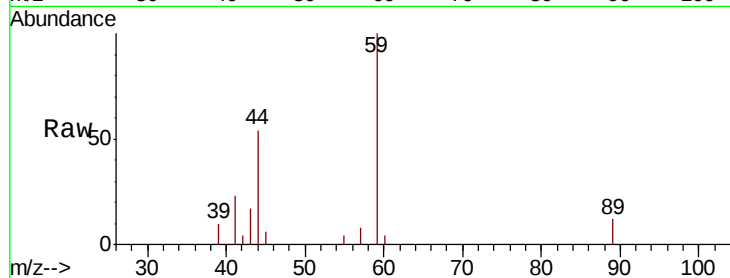
TB-B-181211-01

Tot Ion: 59 Resp: 5106

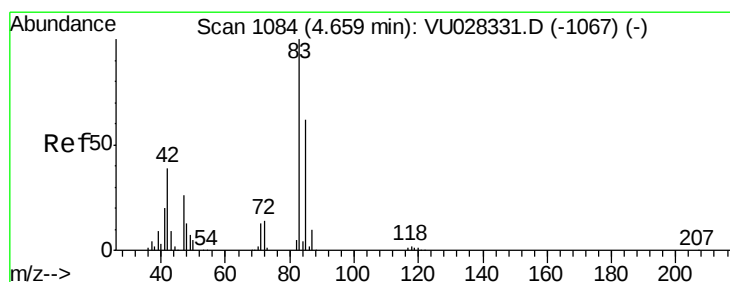
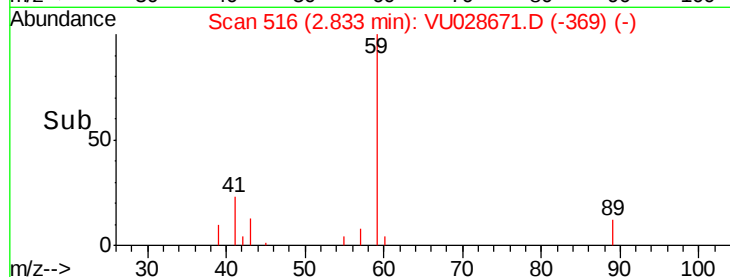
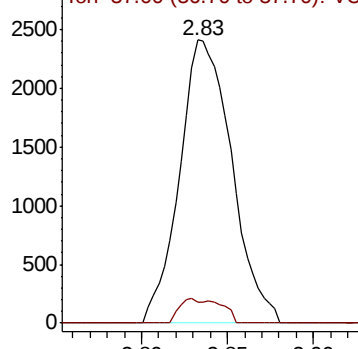
Ion Ratio Lower Upper

59 100

57 6.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VU028671.D (-369) (-)



#41

Tetrahydrofuran

Concen: 0.755 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VU028671.D

Acq: 13 Dec 2018 11:46

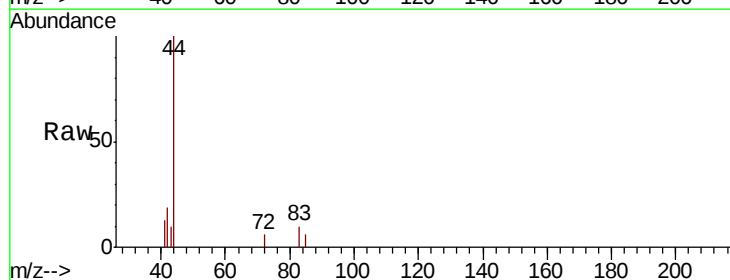
Tgt Ion: 42 Resp: 825

Ion Ratio Lower Upper

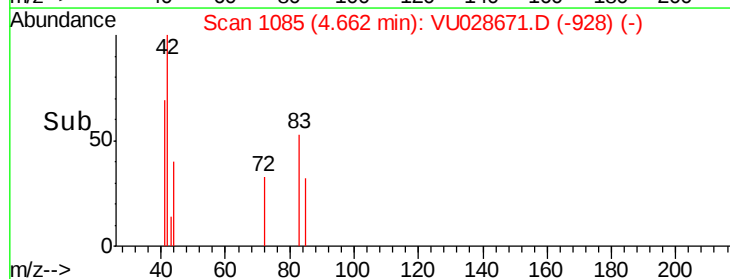
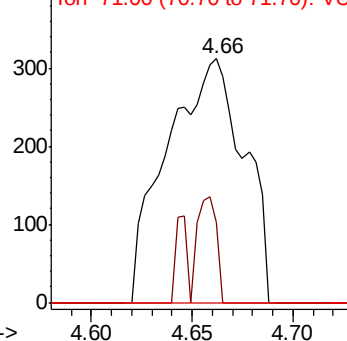
42 100

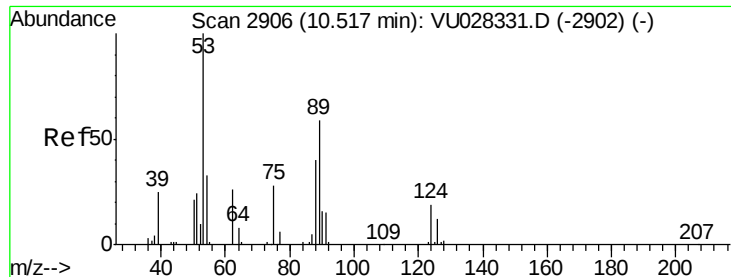
72 11.0 29.8 44.6#

71 0.0 25.9 38.9#



Abundance Ion 42.00 (41.70 to 42.70): VU028671.D (-928) (-)

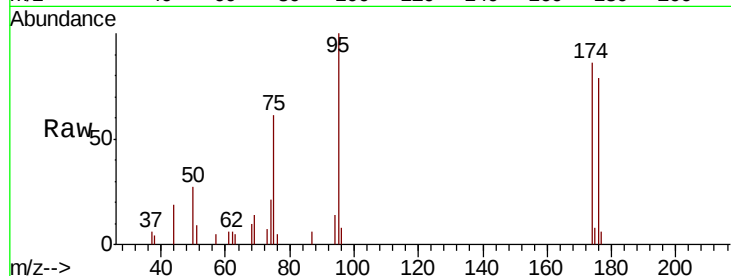




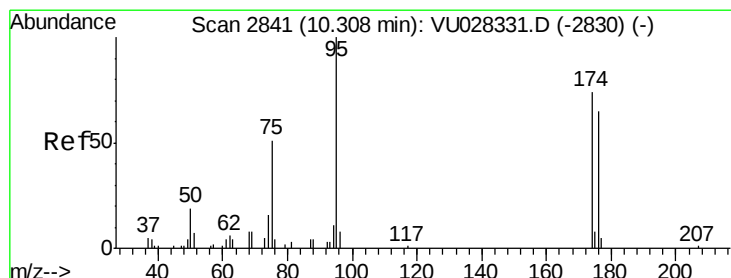
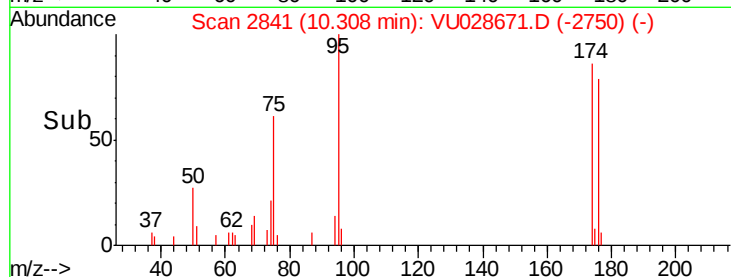
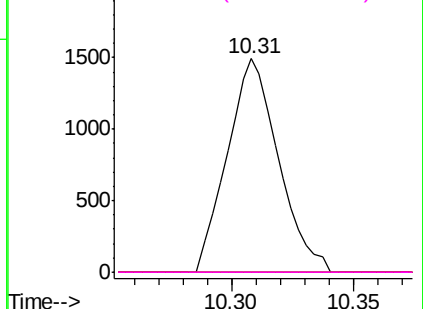
#46
t-1,4-Dichloro-2-butene
Concen: 1.568 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU028671.D
Acq: 13 Dec 2018 11:46

Instrument :
MSVOA_U
ClientSampleId :
TB-B-181211-01

Tot Ion: 75 Resp: 2172
Ion Ratio Lower Upper
75 100
53 0.0 65.0 97.6#
89 0.0 38.6 58.0#
88 0.0 27.3 40.9#

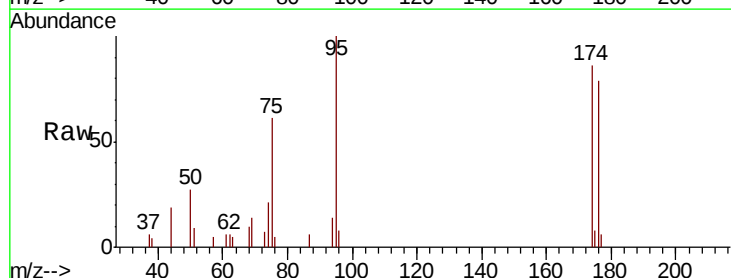


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0

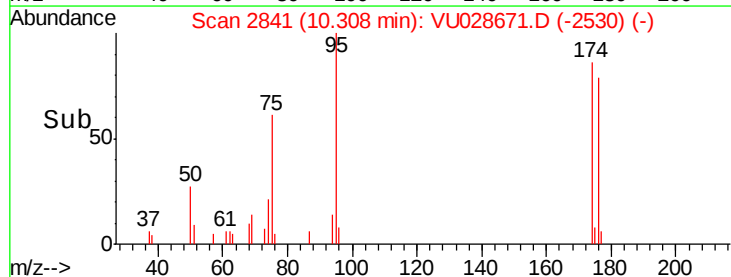
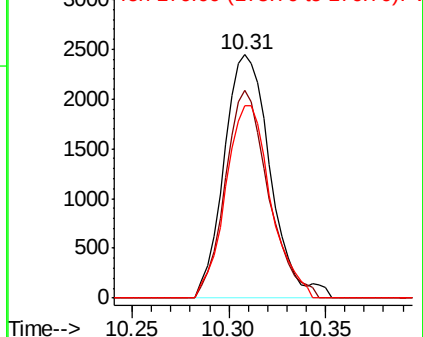


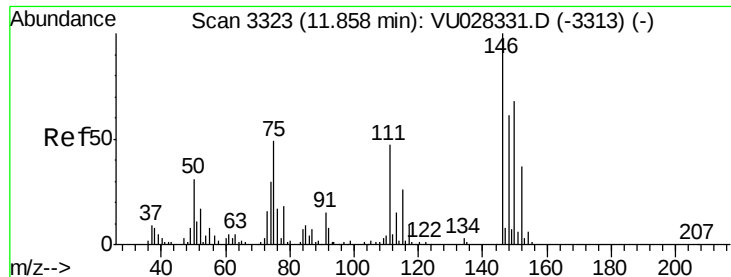
#57
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028671.D
Acq: 13 Dec 2018 11:46

Tgt Ion: 95 Resp: 4054
Ion Ratio Lower Upper
95 100
174 79.8 59.3 88.9
176 77.3 54.3 81.5



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

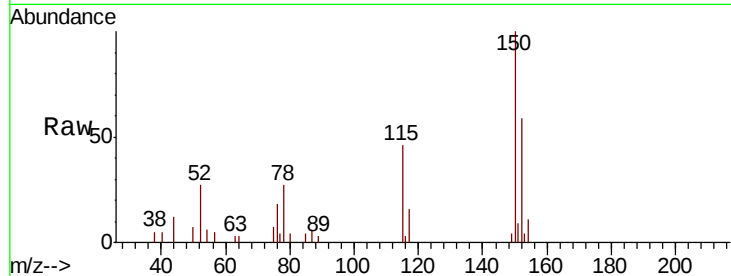




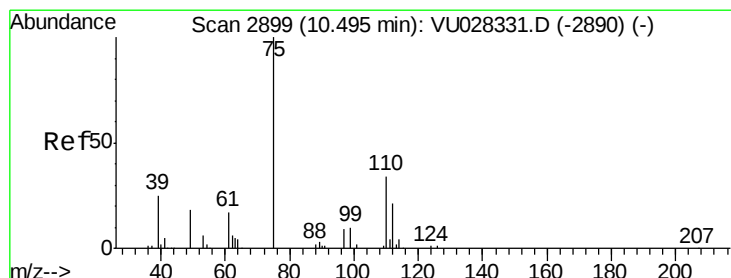
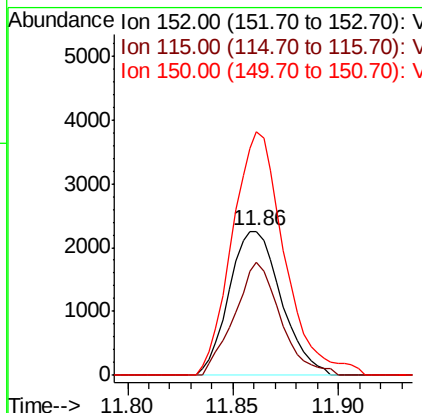
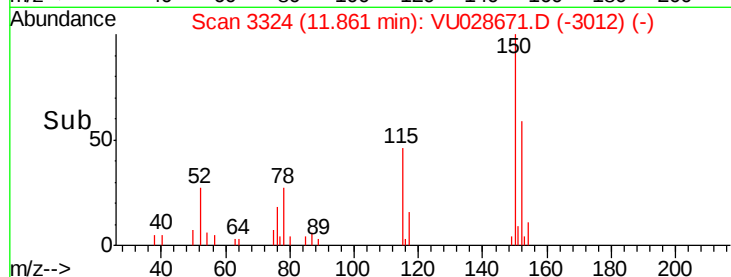
#68
 1,2-Dichlorobenzene-d4
 Concen: N.D. ug/l
 RT: 11.86 min Scan# 3324
 Delta R.T. 0.00 min
 Lab File: VU028671.D
 Acq: 13 Dec 2018 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-B-181211-01

Tot Ion:152 Resp: 3878
 Ion Ratio Lower Upper
 152 100
 115 69.6 0.0 146.8
 150 169.1 0.0 653.2

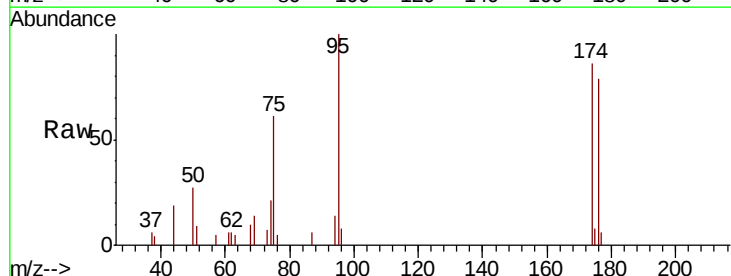


Abundance Ion 152.00 (151.70 to 152.70): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 150.00 (149.70 to 150.70): V



#71
 1,2,3-Trichloropropane
 Concen: 0.702 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU028671.D
 Acq: 13 Dec 2018 11:46

Tgt Ion: 75 Resp: 2172
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0
 110 0.0 0.0 67.6
 97 0.0 0.0 35.8



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

