

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U100418\
 Data File : VU027376.D
 Acq On : 03 Oct 2018 23:25
 Operator : MD/SY
 Sample : J5163-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Quant Time: Oct 04 00:01:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	92784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159715	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	150557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71542	50.00	ug/l	0.00

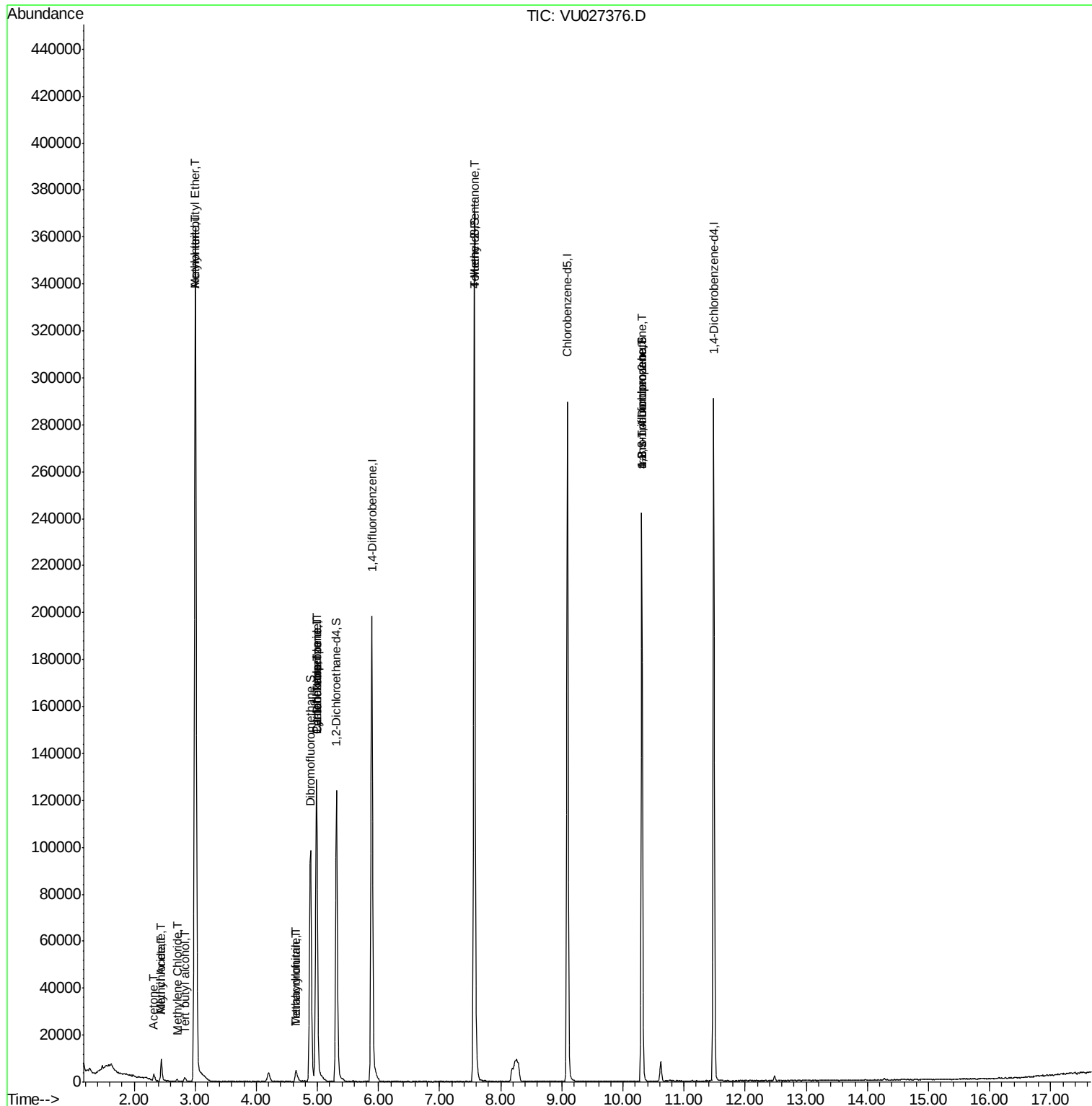
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	96343	62.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.36%	
35) Dibromofluoromethane	4.88	113	69092	63.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.24%	
50) Toluene-d8	7.57	98	245521	59.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.86%	
62) 4-Bromofluorobenzene	10.31	95	79322	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	1619	4.962	ug/l #	72
14) Allyl chloride	2.44	41	866	0.372	ug/l #	60
15) Acrylonitrile	3.00	53	4325	5.093	ug/l #	25
16) Acetone	2.32	43	3361	3.672	ug/l	98
18) Methyl Acetate	2.45	43	2383	1.141	ug/l #	56
19) Methyl tert-butyl Ether	3.00	73	361905	92.158	ug/l	99
20) Methylene Chloride	2.70	84	259	0.203	ug/l #	75
29) Tetrahydrofuran	4.65	42	4131	5.252	ug/l	97
31) Cyclohexane	4.98	56	2366	0.718	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8520	4.913	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9370	5.982	ug/l #	18
41) Methacrylonitrile	4.65	41	2280	1.800	ug/l #	53
51) 4-Methyl-2-Pentanone	7.57	43	1252	0.554	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	43003	23.188	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	43003	60.686	ug/l #	100

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

Instrument :

MSVOA_U

ClientSampleId :

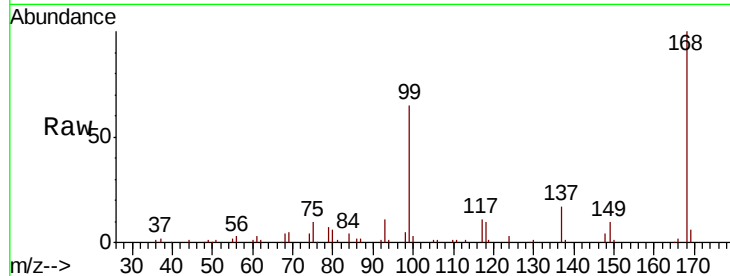
MW-4

Tgt Ion:168 Resp: 92784

Ion Ratio Lower Upper

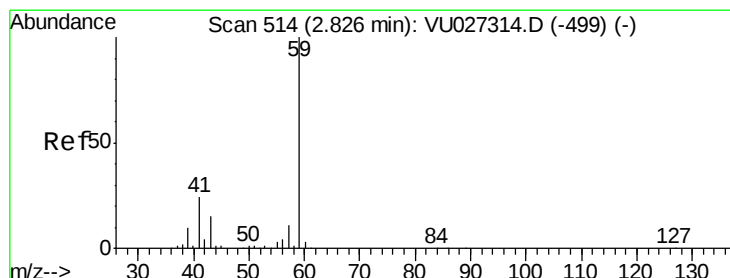
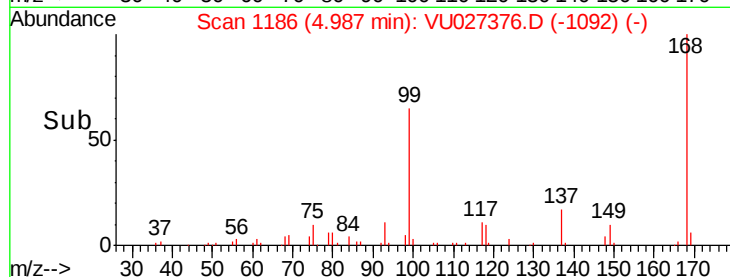
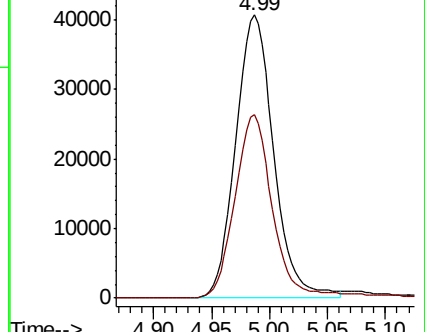
168 100

99 64.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#11

Tert butyl alcohol

Concen: 4.962 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU027376.D

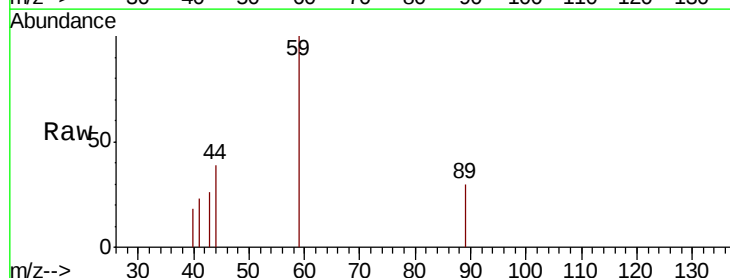
Acq: 03 Oct 2018 23:25

Tgt Ion: 59 Resp: 1619

Ion Ratio Lower Upper

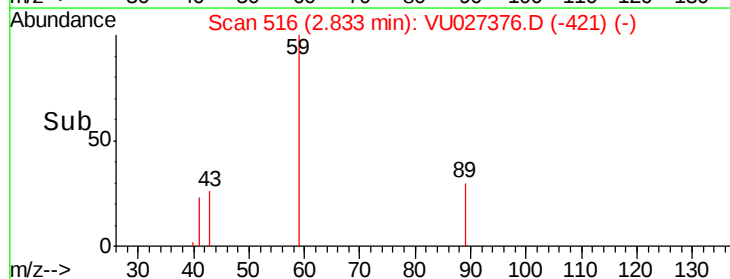
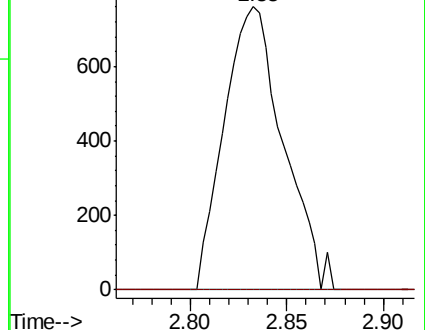
59 100

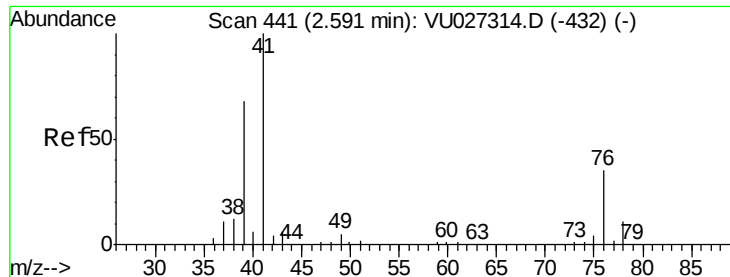
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

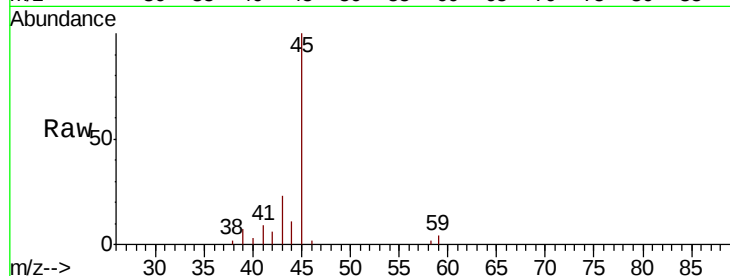




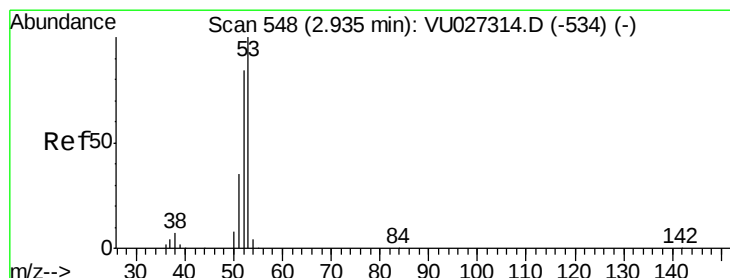
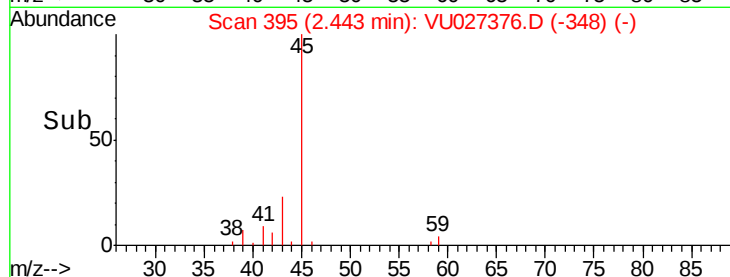
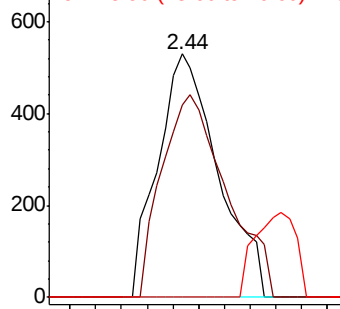
#14
 Allyl chloride
 Concen: 0.372 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027376.D
 Acq: 03 Oct 2018 23:25

Instrument :
 MSVOA_U
 ClientSampled :
 MW-4

Tgt Ion: 41 Resp: 866
 Ion Ratio Lower Upper
 41 100
 39 89.0 51.8 77.8#
 76 0.0 25.9 38.9#

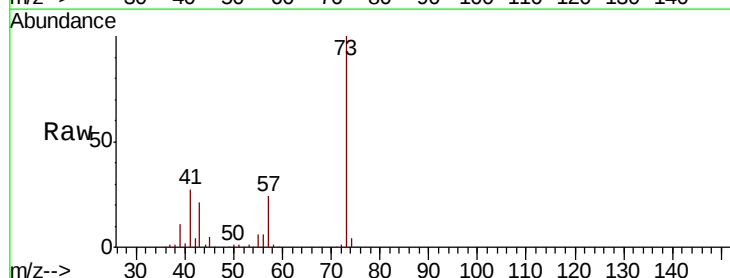


Abundance Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0
 Ion 75.90 (75.60 to 76.60): VU0

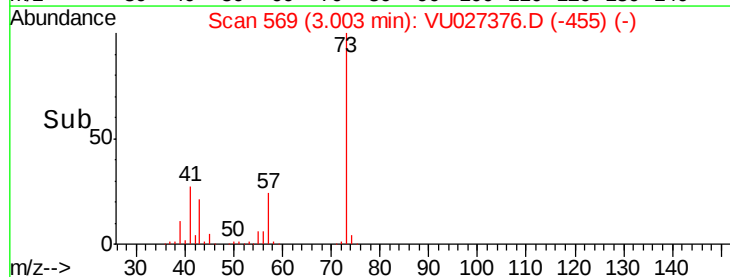
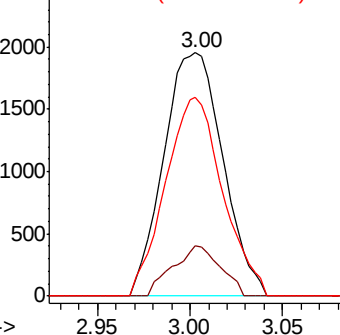


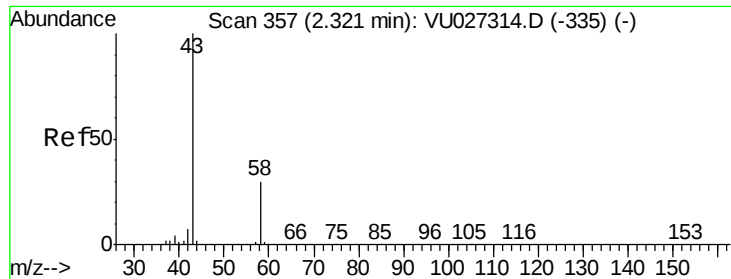
#15
 Acrylonitrile
 Concen: 5.093 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. 0.07 min
 Lab File: VU027376.D
 Acq: 03 Oct 2018 23:25

Tgt Ion: 53 Resp: 4325
 Ion Ratio Lower Upper
 53 100
 52 16.5 66.5 99.7#
 51 78.8 27.6 41.4#



Abundance Ion 53.00 (52.70 to 53.70): VU0
 Ion 52.00 (51.70 to 52.70): VU0
 Ion 51.00 (50.70 to 51.70): VU0





#16

Acetone

Concen: 3.672 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

Instrument :

MSVOA_U

ClientSampled :

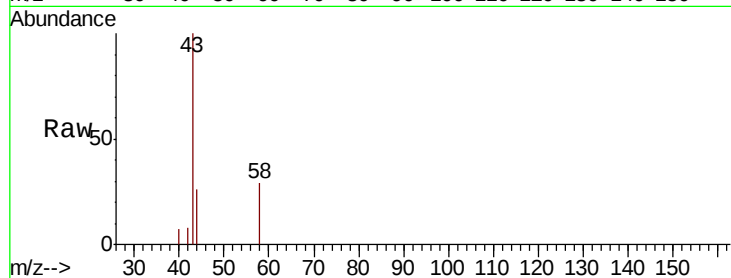
MW-4

Tgt Ion: 43 Resp: 3361

Ion Ratio Lower Upper

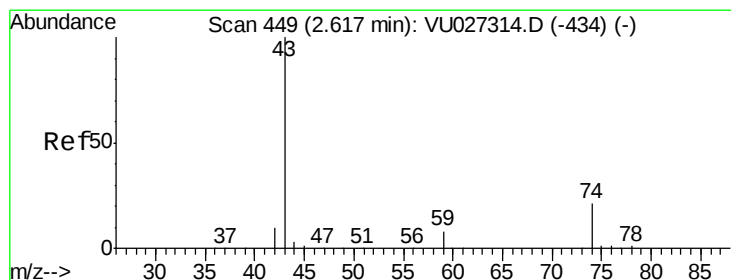
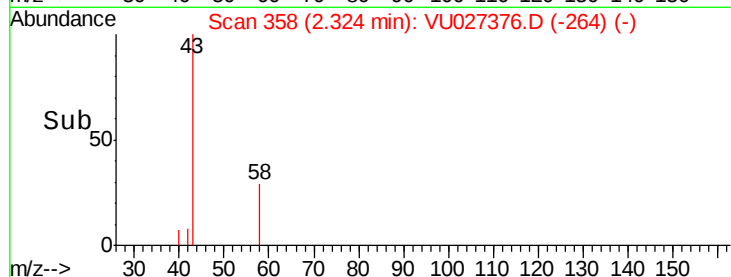
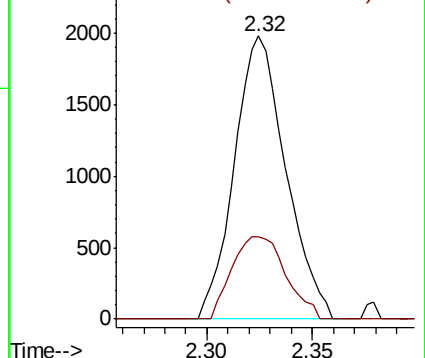
43 100

58 29.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 1.141 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU027376.D

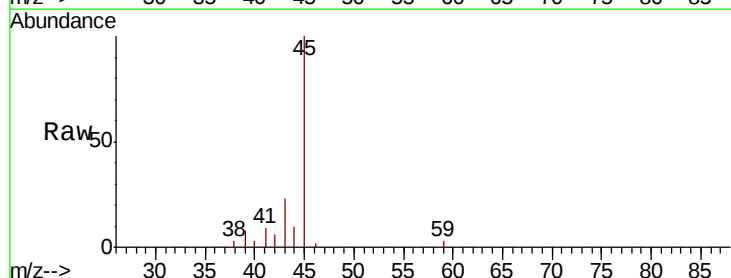
Acq: 03 Oct 2018 23:25

Tgt Ion: 43 Resp: 2383

Ion Ratio Lower Upper

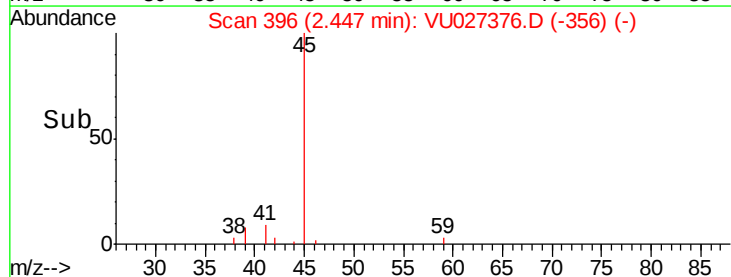
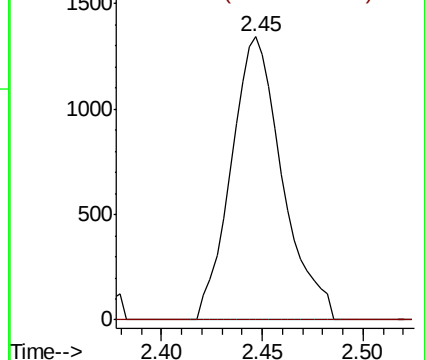
43 100

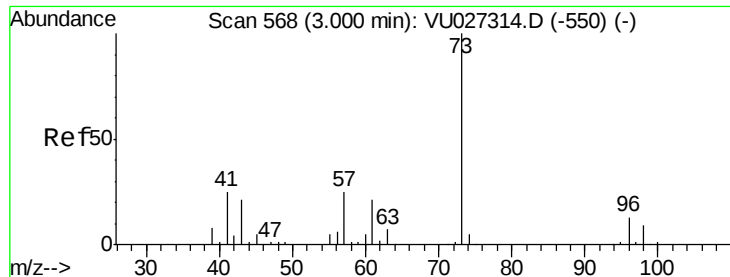
74 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

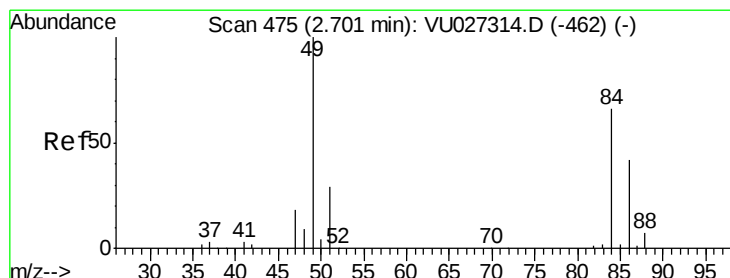
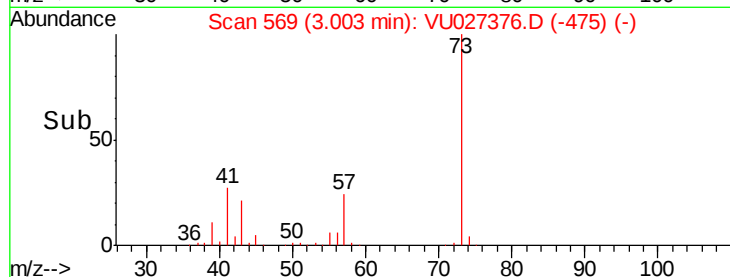
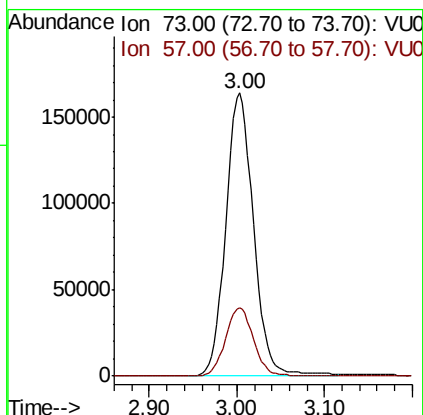
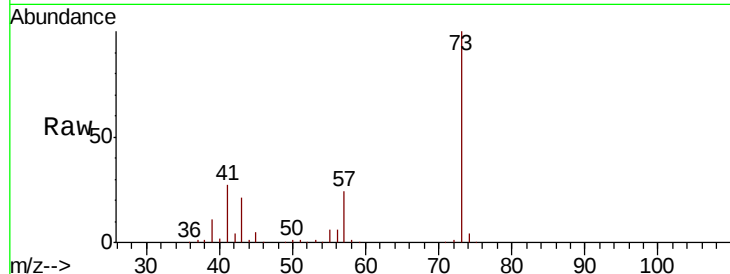




#19
Methyl tert-butyl Ether
Concen: 92.158 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027376.D
Acq: 03 Oct 2018 23:25

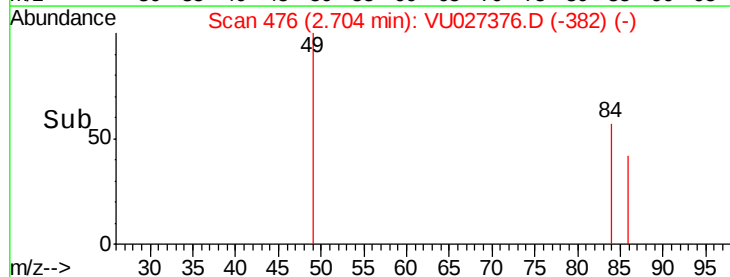
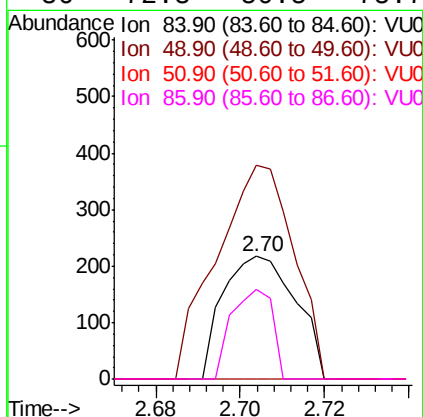
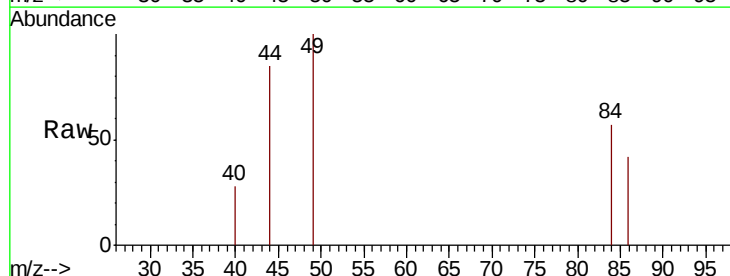
Instrument :
MSVOA_U
ClientSampled :
MW-4

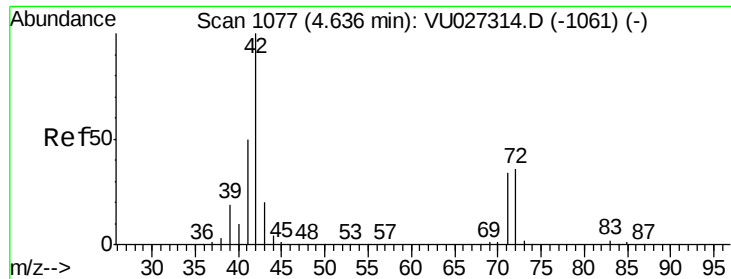
Tgt Ion: 73 Resp: 361905
Ion Ratio Lower Upper
73 100
57 24.3 20.0 30.0



#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027376.D
Acq: 03 Oct 2018 23:25

Tgt Ion: 84 Resp: 259
Ion Ratio Lower Upper
84 100
49 174.2 120.5 180.7
51 0.0 35.1 52.7#
86 72.8 50.5 75.7





#29

Tetrahydrofuran

Concen: 5.252 ug/l

RT: 4.65 min Scan# 1080

Delta R.T. 0.01 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

Instrument :

MSVOA_U

ClientSampleId :

MW-4

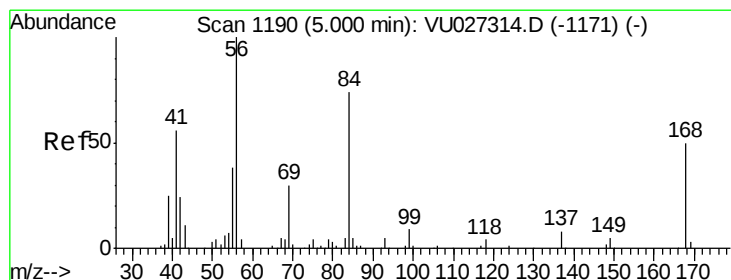
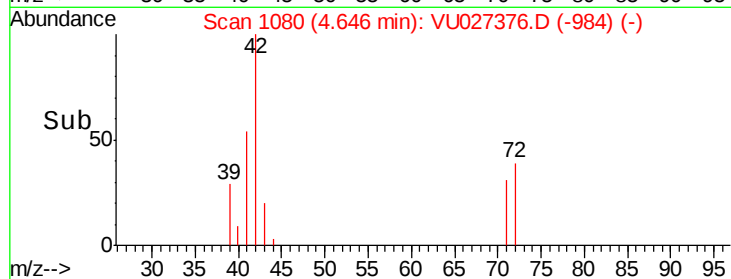
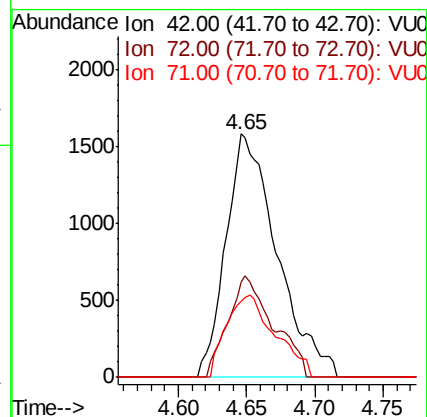
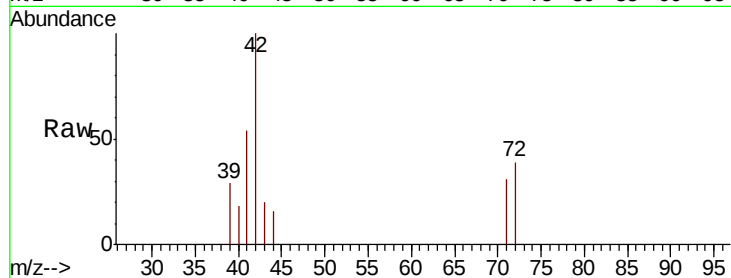
Tgt Ion: 42 Resp: 4131

Ion Ratio Lower Upper

42 100

72 36.7 30.1 45.1

71 32.2 27.7 41.5



#31

Cyclohexane

Concen: 0.718 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

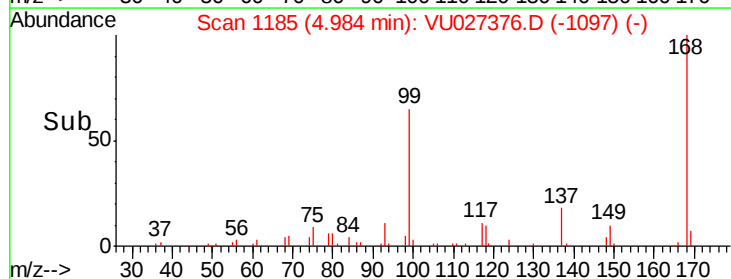
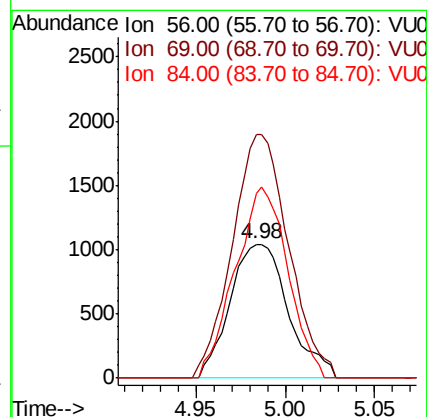
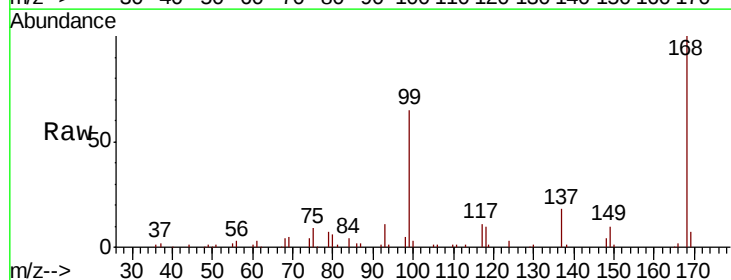
Tgt Ion: 56 Resp: 2366

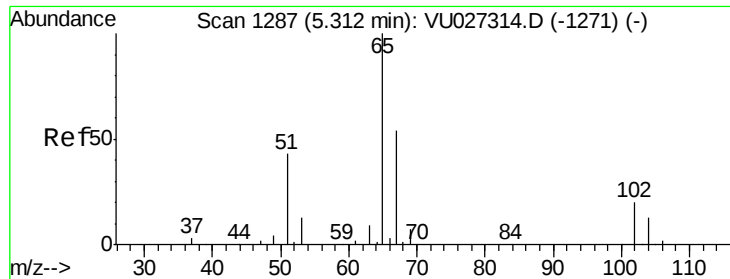
Ion Ratio Lower Upper

56 100

69 181.8 24.1 36.1#

84 138.1 59.1 88.7#

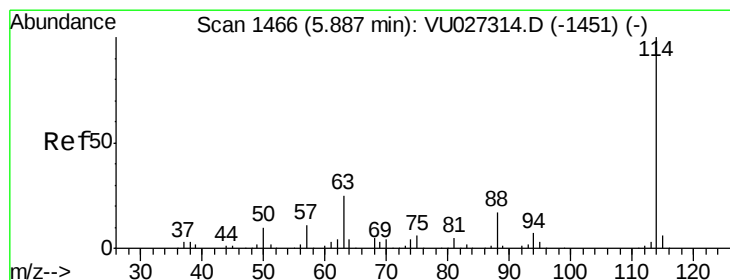
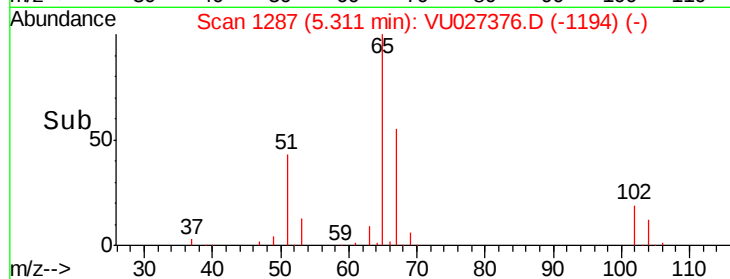
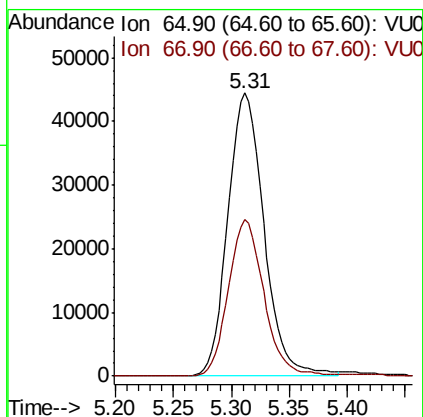
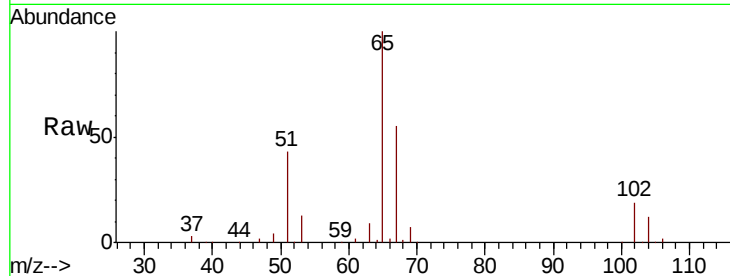




#33
 1,2-Dichloroethane-d4
 Concen: 62.184 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027376.D
 Acq: 03 Oct 2018 23:25

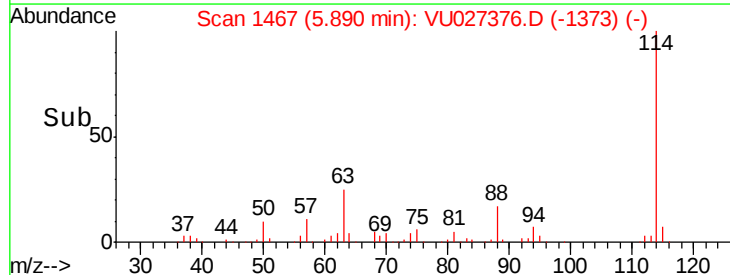
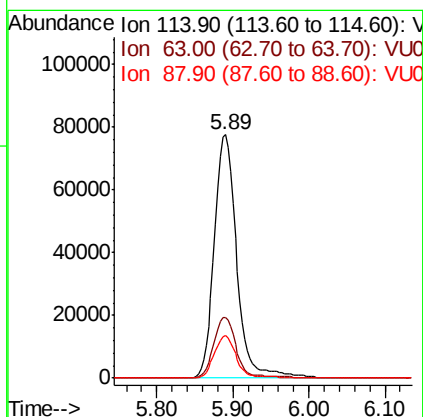
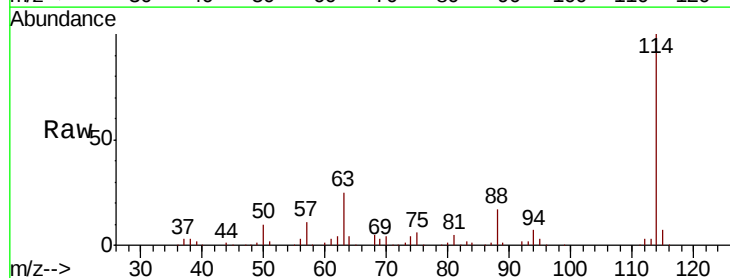
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

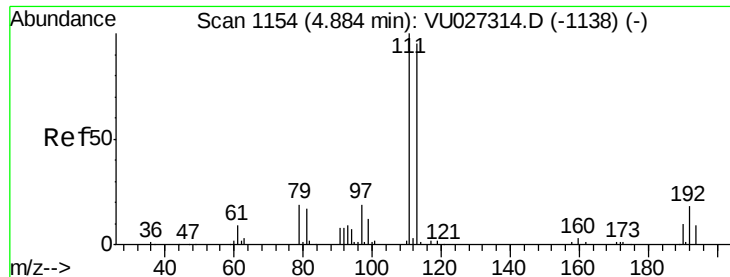
Tgt Ion: 65 Resp: 96343
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027376.D
 Acq: 03 Oct 2018 23:25

Tgt Ion: 114 Resp: 159715
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.2
 88 17.5 0.0 33.8

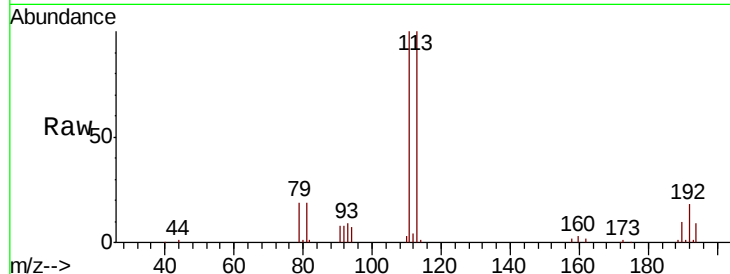




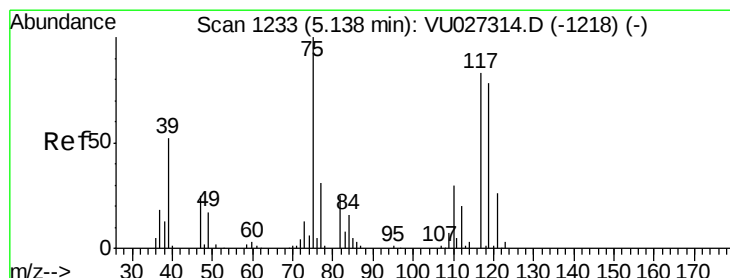
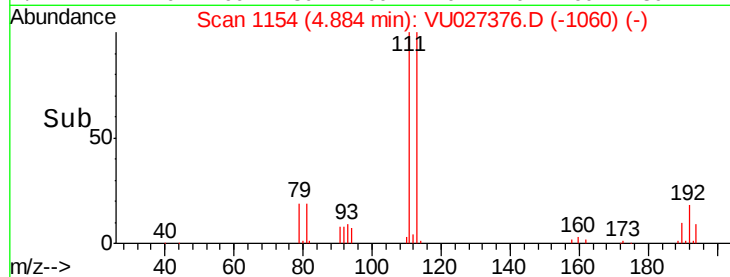
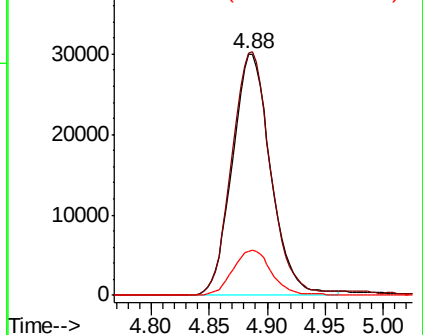
#35
 Dibromofluoromethane
 Concen: 63.122 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027376.D
 Acq: 03 Oct 2018 23:25

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Tgt Ion:113 Resp: 69092
 Ion Ratio Lower Upper
 113 100
 111 100.9 83.1 124.7
 192 18.6 15.4 23.0

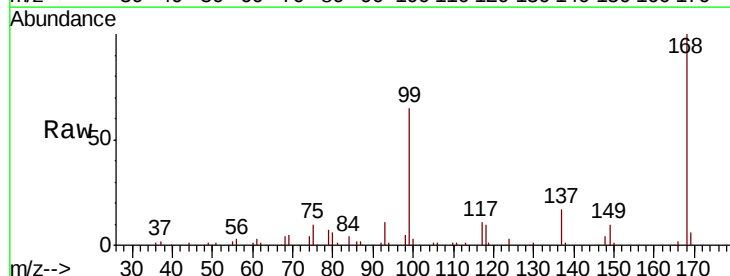


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

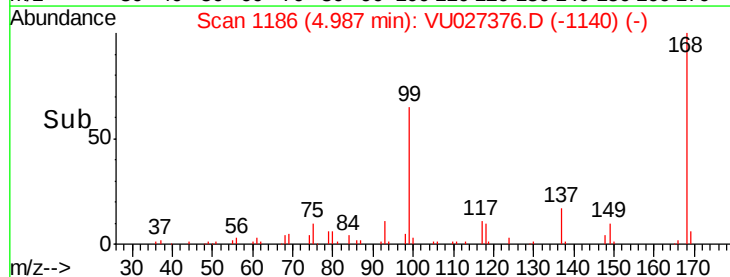
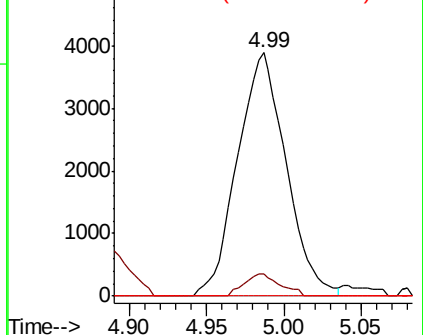


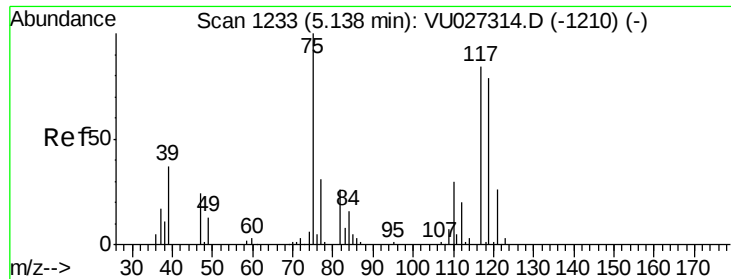
#36
 1,1-Dichloropropene
 Concen: 4.913 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027376.D
 Acq: 03 Oct 2018 23:25

Tgt Ion: 75 Resp: 8520
 Ion Ratio Lower Upper
 75 100
 110 6.7 15.5 46.5#
 77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.982 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

Instrument :

MSVOA_U

ClientSampleId :

MW-4

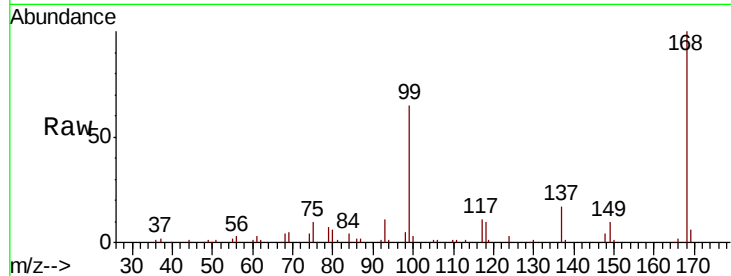
Tgt Ion:117 Resp: 9370

Ion Ratio Lower Upper

117 100

119 6.1 74.5 111.7#

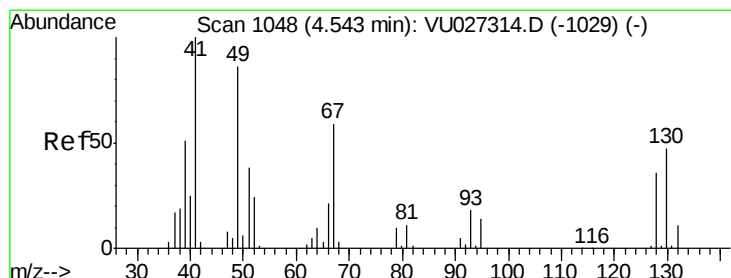
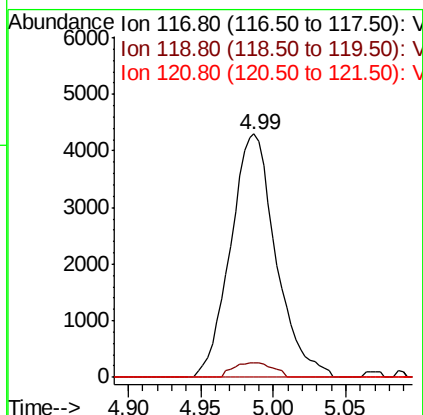
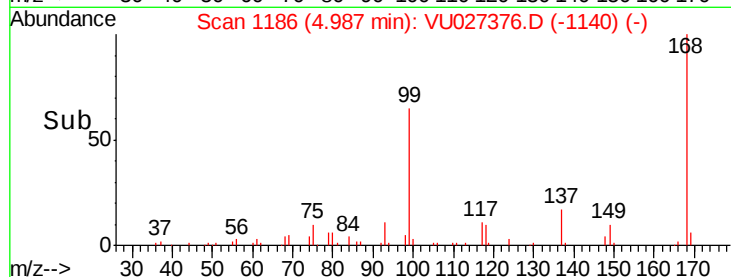
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 1.800 ug/l

RT: 4.65 min Scan# 1081

Delta R.T. 0.11 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

Tgt Ion: 41 Resp: 2280

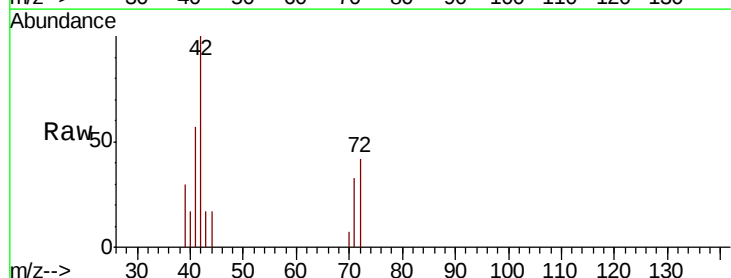
Ion Ratio Lower Upper

41 100

39 54.4 41.1 61.7

67 0.0 50.4 75.6#

52 0.0 20.3 30.5#

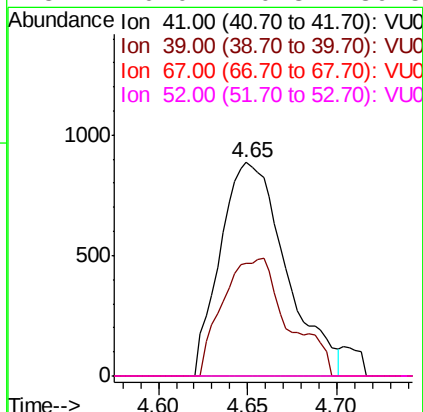
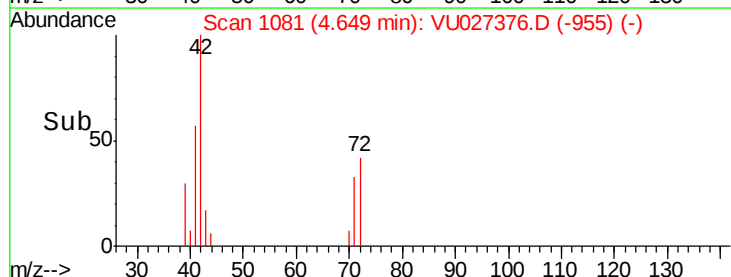


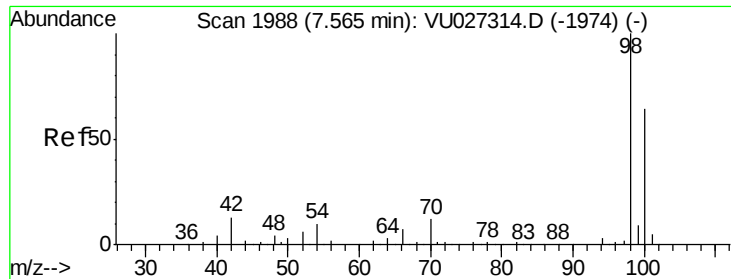
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#50

Toluene-d8

Concen: 59.932 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

Instrument :

MSVOA_U

ClientSampleId :

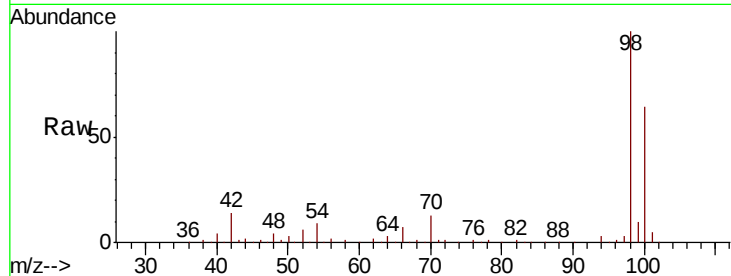
MW-4

Tgt Ion: 98 Resp: 245521

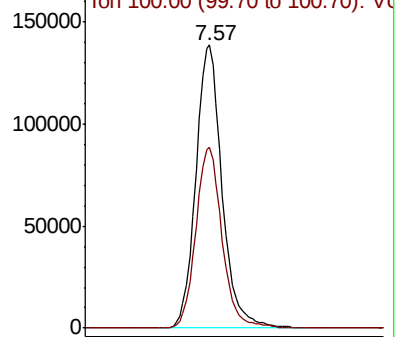
Ion Ratio Lower Upper

98 100

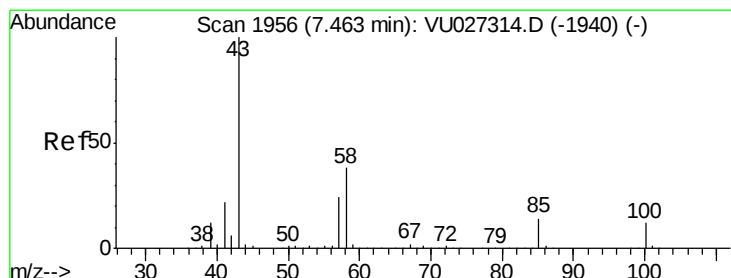
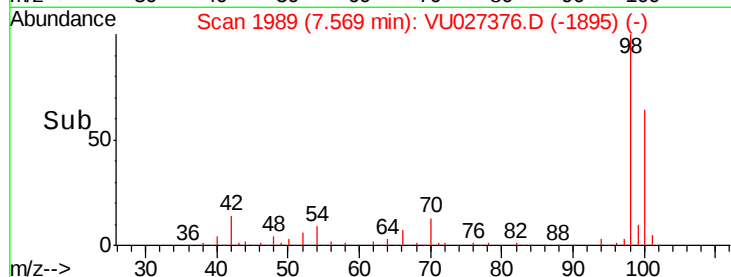
100 64.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027314.D (-1974) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.554 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.11 min

Lab File: VU027376.D

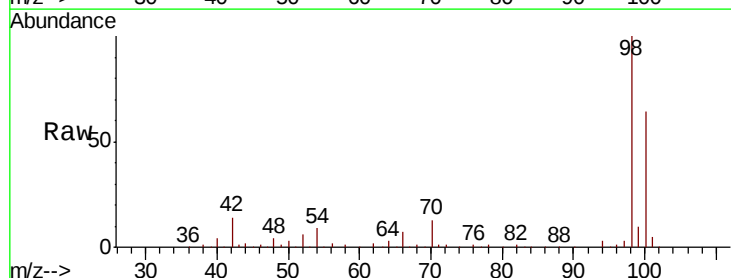
Acq: 03 Oct 2018 23:25

Tgt Ion: 43 Resp: 1252

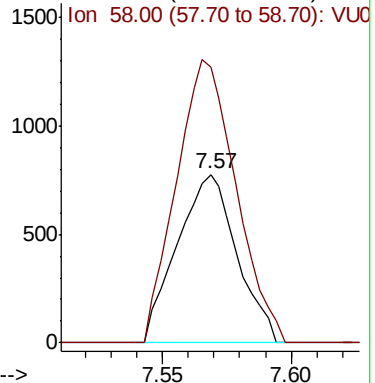
Ion Ratio Lower Upper

43 100

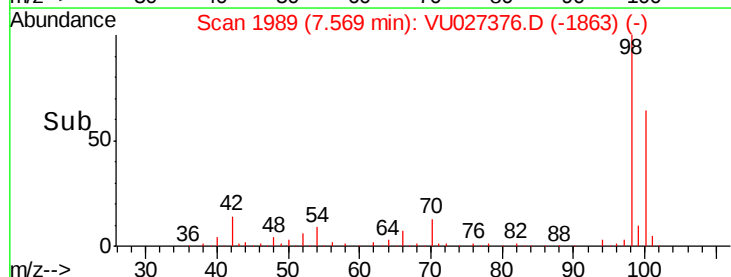
58 168.0 29.8 44.8#

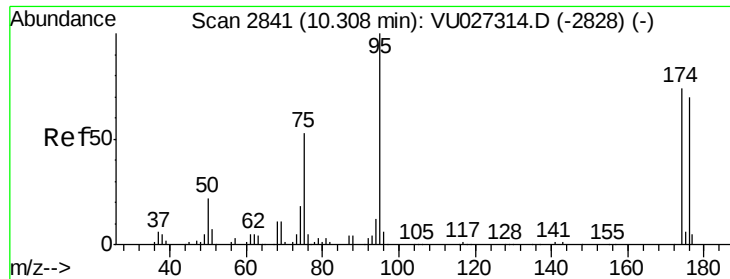


Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-1940) (-)



Time-->





#62

4-Bromofluorobenzene

Concen: 52.101 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

Instrument :

MSVOA_U

ClientSampled :

MW-4

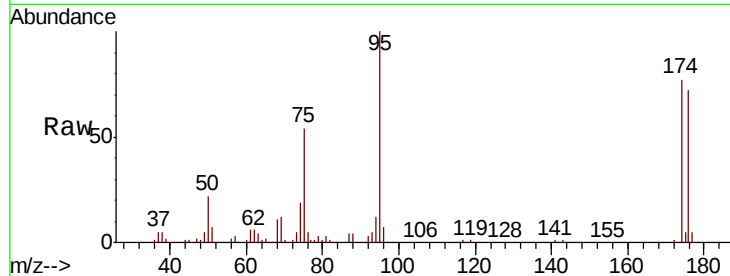
Tgt Ion: 95 Resp: 79322

Ion Ratio Lower Upper

95 100

174 76.2 0.0 147.8

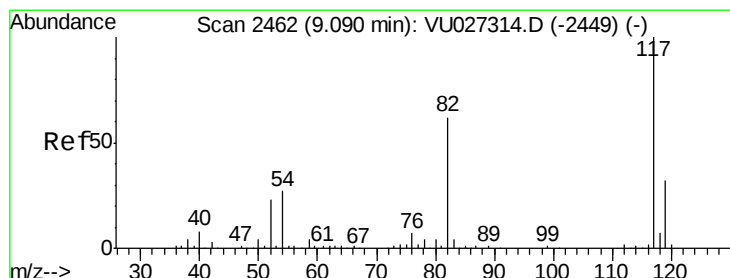
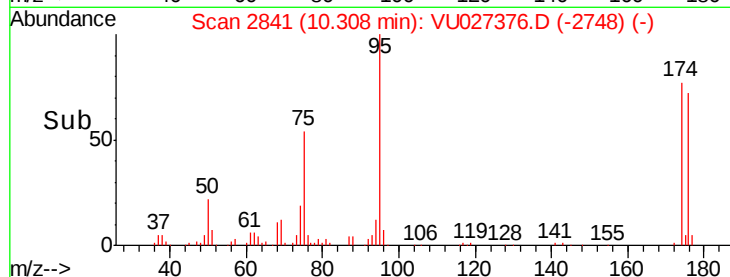
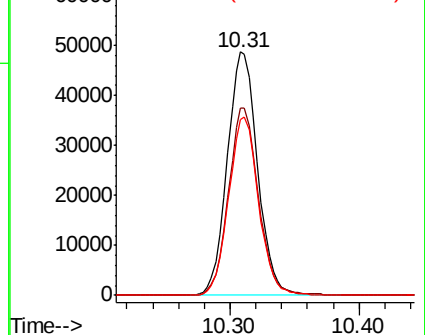
176 72.5 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

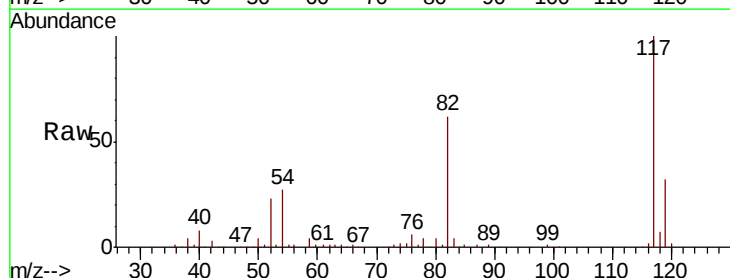
Tgt Ion: 117 Resp: 150557

Ion Ratio Lower Upper

117 100

82 62.4 49.2 73.8

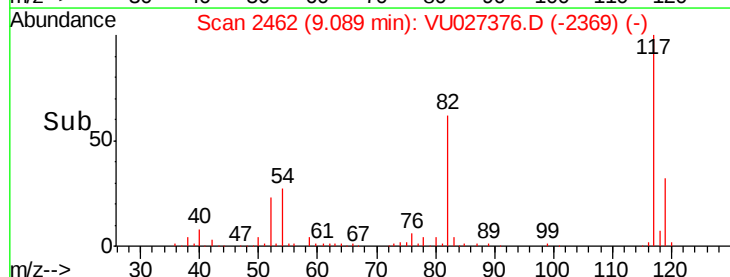
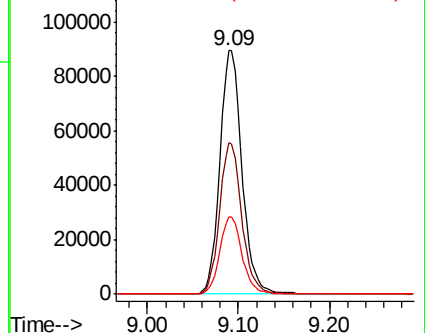
119 31.8 25.7 38.5

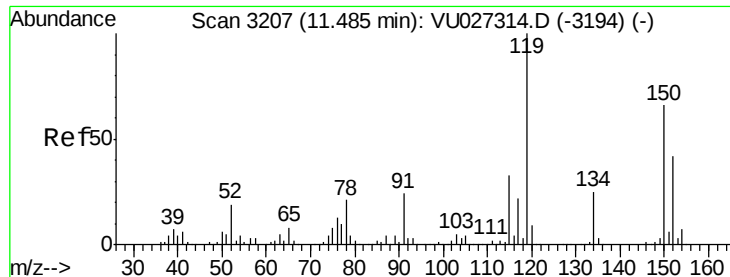


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

Instrument :

MSVOA_U

ClientSampleId :

MW-4

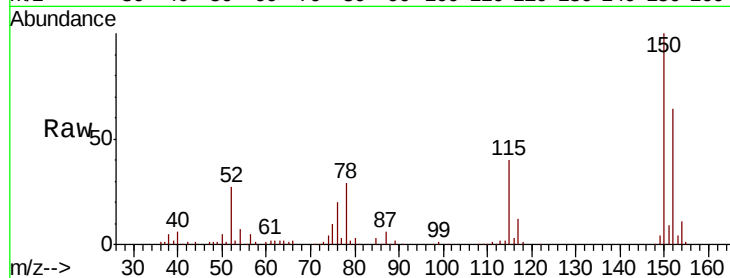
Tgt Ion:152 Resp: 71542

Ion Ratio Lower Upper

152 100

115 60.6 43.4 130.2

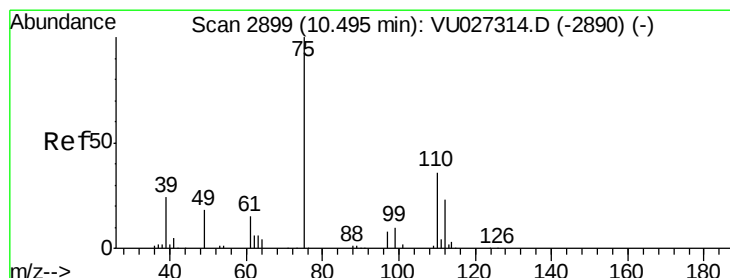
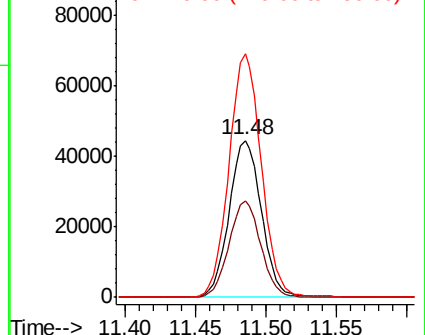
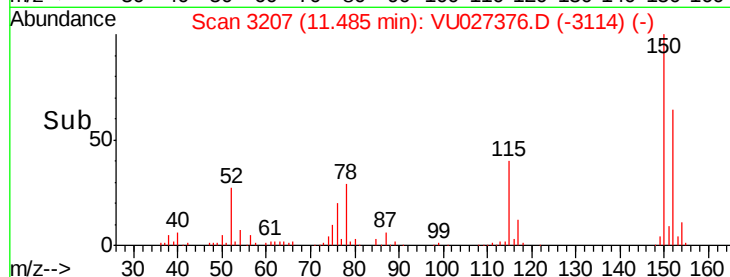
150 155.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.188 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027376.D

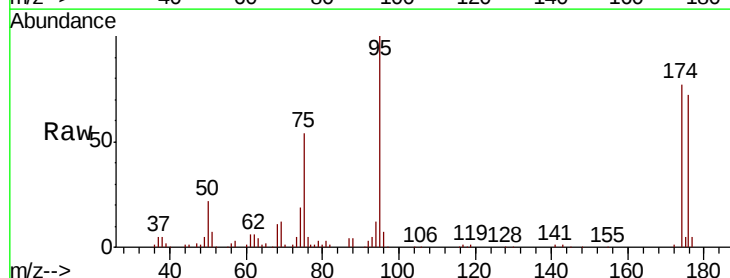
Acq: 03 Oct 2018 23:25

Tgt Ion: 75 Resp: 43003

Ion Ratio Lower Upper

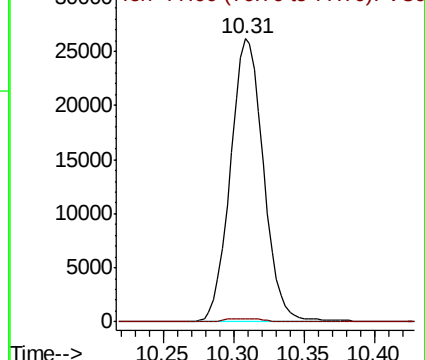
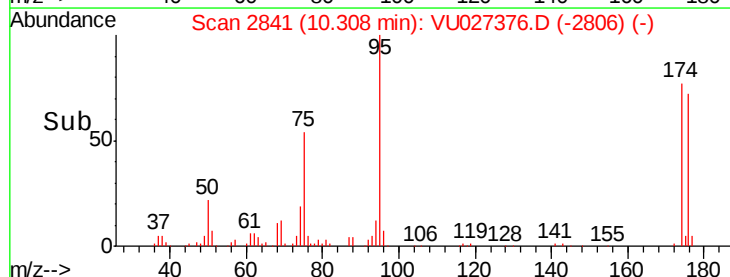
75 100

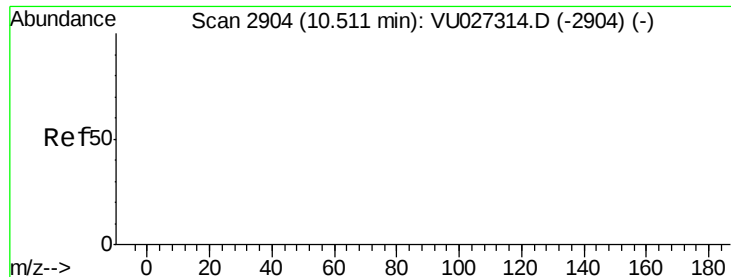
77 1.3 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.686 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027376.D

Acq: 03 Oct 2018 23:25

Instrument :

MSVOA_U

ClientSampleId :

MW-4

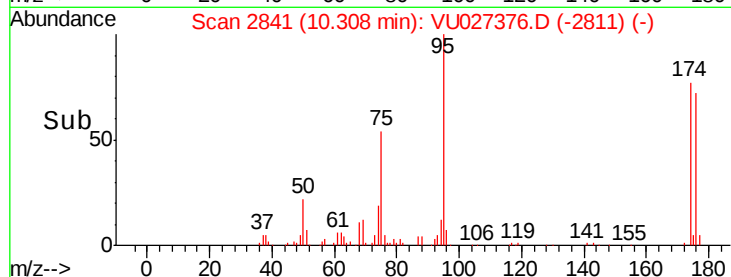
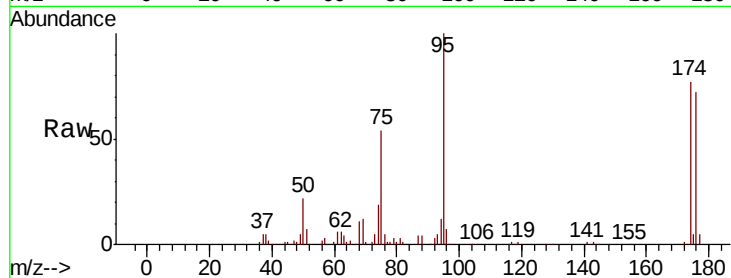
Tgt Ion: 75 Resp: 43003

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

