

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025335.D
 Acq On : 12 Jul 2018 13:06
 Operator : MD/SY
 Sample : J3762-09 MDL .2PPB
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Quant Time: Jul 13 01:07:08 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	161235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	243021	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	219230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	107954	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	112721	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	
35) Dibromofluoromethane	4.89	113	87758	42.81	ug/l	0.00
Spiked Amount			Recovery	=	85.62%	
50) Toluene-d8	7.57	98	285348	40.65	ug/l	0.00
Spiked Amount			Recovery	=	81.30%	
62) 4-Bromofluorobenzene	10.31	95	107016	37.86	ug/l	0.00
Spiked Amount			Recovery	=	75.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	670	0.96	ug/l	91
5) Bromomethane	1.63	94	581	Below Cal		90
6) Chloroethane	1.70	64	344	0.58	ug/l #	43
10) Methyl Iodide	2.42	142	356	7.86	ug/l #	54
11) Tert butyl alcohol	2.83	59	998	1.83	ug/l #	73
13) Acrolein	2.20	56	490	1.36	ug/l #	64
15) Acrylonitrile	2.94	53	1126	1.00	ug/l #	96
16) Acetone	2.33	43	1973	6.38	ug/l	89
17) Carbon Disulfide	2.48	76	1268	2.19	ug/l #	74
18) Methyl Acetate	2.62	43	563	0.22	ug/l #	69
19) Methyl tert-butyl Ether	3.00	73	1313	0.21	ug/l #	91
20) Methylene Chloride	2.71	84	944	1.17	ug/l #	78
23) Vinyl Acetate	3.55	43	4753	0.90	ug/l	95
25) 2-Butanone	4.29	43	1210	0.70	ug/l	90
29) Tetrahydrofuran	4.64	42	565	0.54	ug/l #	60
31) Cyclohexane	4.99	56	3596	1.86	ug/l #	3
36) 1,1-Dichloropropene	5.14	75	542	0.20	ug/l #	48
38) Carbon Tetrachloride	4.99	117	16044	5.52	ug/l #	16
51) 4-Methyl-2-Pentanone	7.47	43	2704	0.86	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.15	63	1655	12.12	ug/l #	68
59) 2-Hexanone	8.37	43	2212	0.87	ug/l	80
68) m/p-Xylenes	9.38	106	1230	0.34	ug/l	95
71) Bromoform	9.97	173	135	4.66	ug/l #	29
74) N-amyl acetate	10.03	43	580	1.44	ug/l #	71
76) 1,2,3-Trichloropropane	10.31	75	56000	25.57	ug/l #	36
79) 2-Chlorotoluene	10.66	91	1109	0.35	ug/l	83
81) trans-1,4-Dichloro-2-buten	10.31	75	56000	65.11	ug/l #	100
83) tert-Butylbenzene	11.10	119	1408	0.20	ug/l	90
88) 1,4-Dichlorobenzene	11.52	146	848	1.71	ug/l #	25
91) 1,2-Dichlorobenzene	11.89	146	783	0.20	ug/l #	27
93) 1,2,4-Trichlorobenzene	13.52	180	249	3.37	ug/l	72
95) Naphthalene	13.76	128	777	2.51	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.00	180	353	2.66	ug/l #	84

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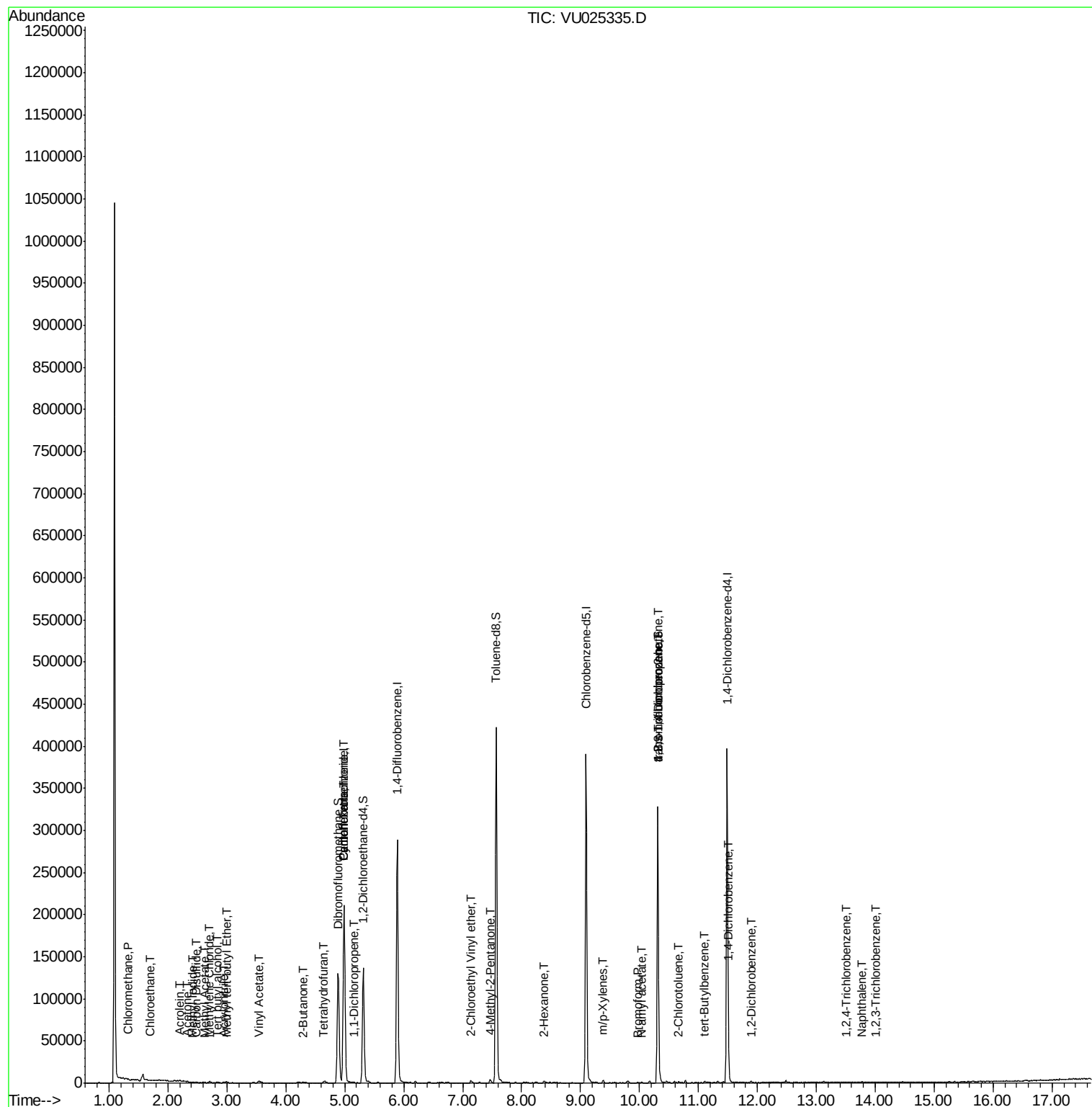
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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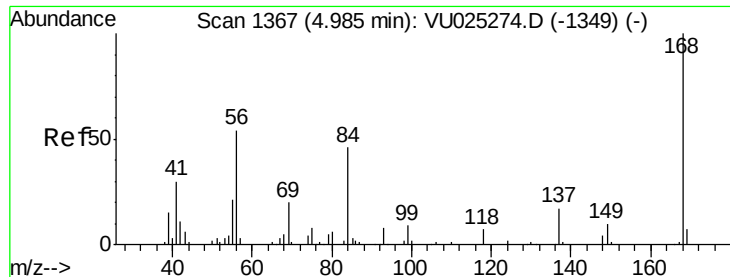
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 10 09:34:16 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

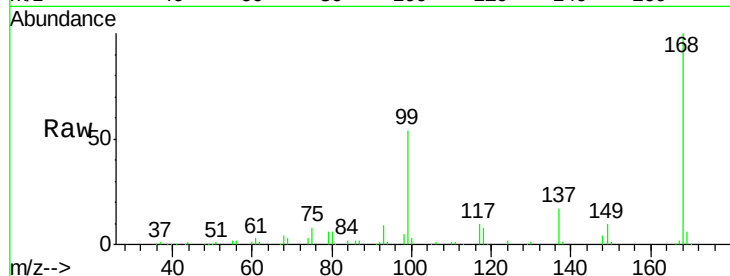
MDL-WATER-03-QT3-2018

Tot Ion:168 Resp: 161235

Ion Ratio Lower Upper

168 100

99 54.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

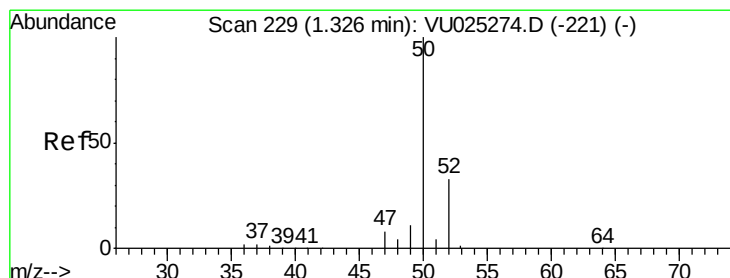
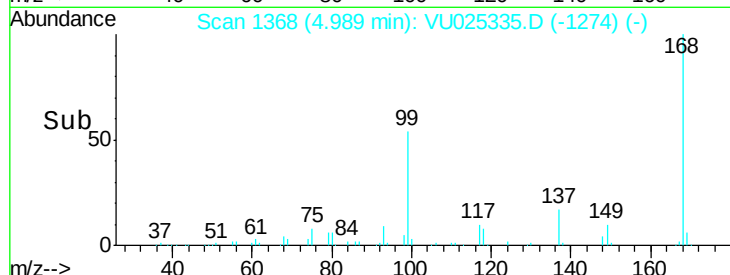
40000

20000

0

Time-->

4.90 4.95 5.00 5.05



#3

Chloromethane

Concen: 0.96 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025335.D

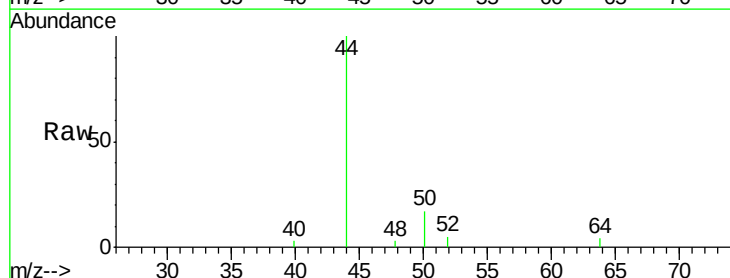
Acq: 12 Jul 2018 13:06

Tgt Ion: 50 Resp: 670

Ion Ratio Lower Upper

50 100

52 28.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025274.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)

1.33

600

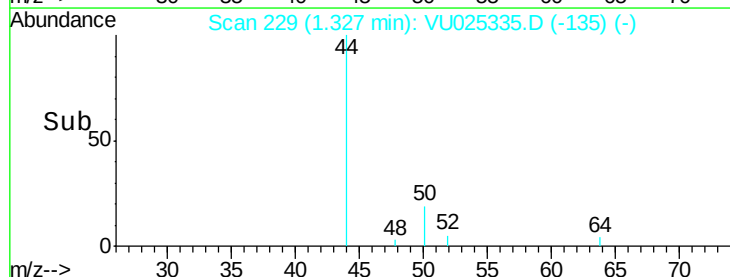
400

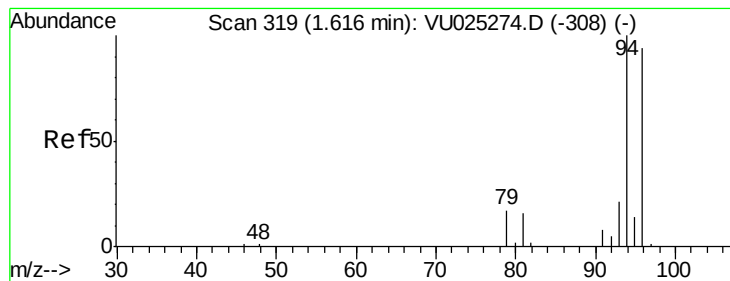
200

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

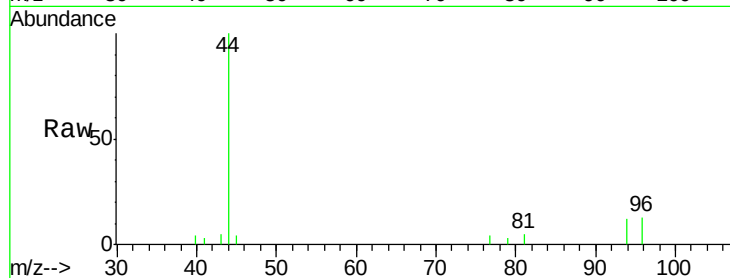
MDL-WATER-03-QT3-2018

Tot Ion: 94 Resp: 581

Ion Ratio Lower Upper

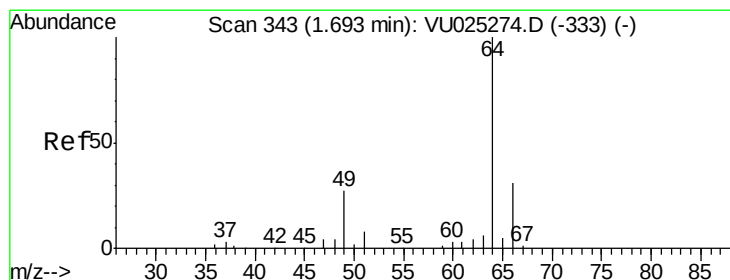
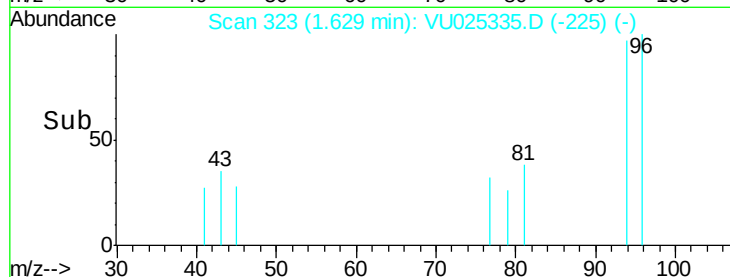
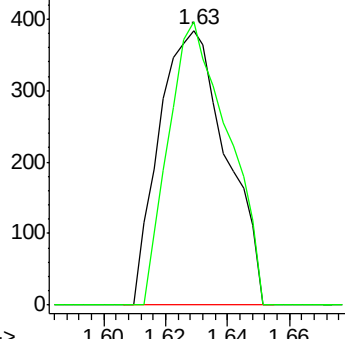
94 100

96 103.1 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.58 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025335.D

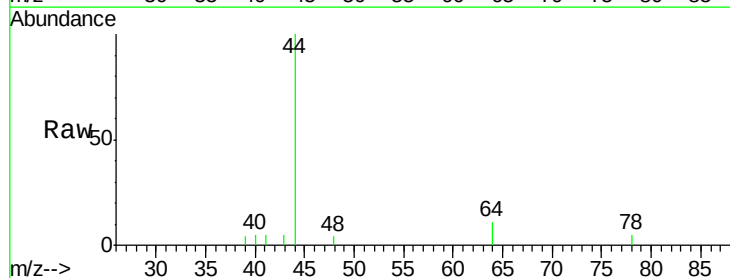
Acq: 12 Jul 2018 13:06

Tgt Ion: 64 Resp: 344

Ion Ratio Lower Upper

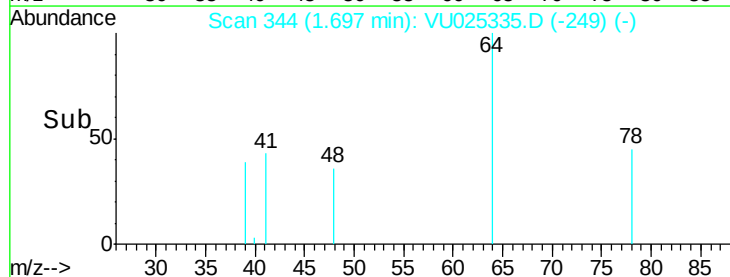
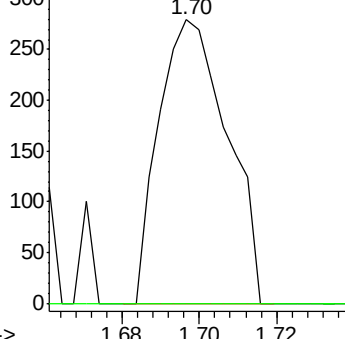
64 100

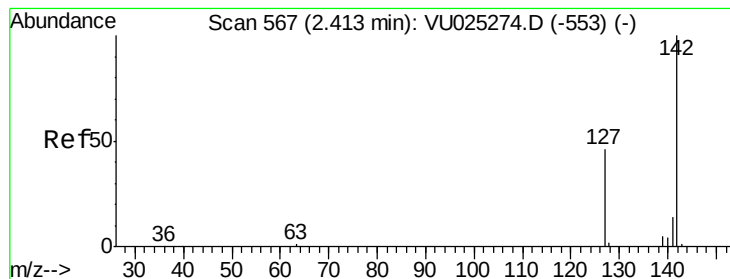
66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methvl Iodide

Concen: 7.86 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

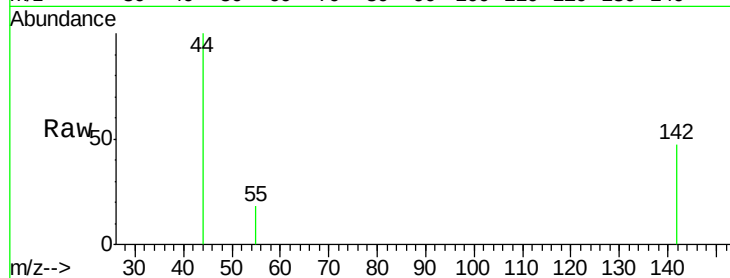
Tot Ion:142 Resp: 356

Ion Ratio Lower Upper

142 100

127 12.6 36.5 54.7#

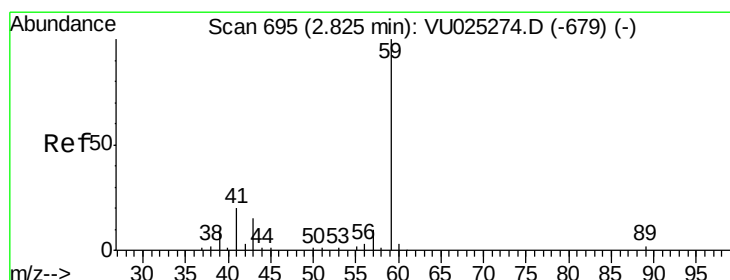
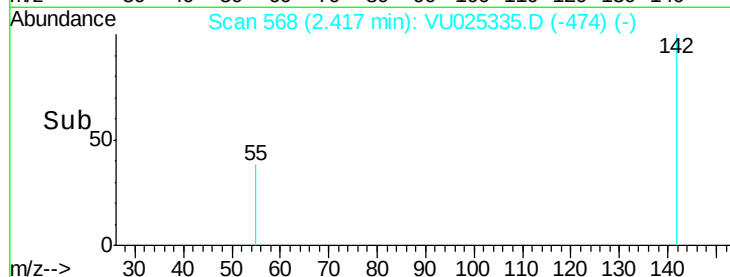
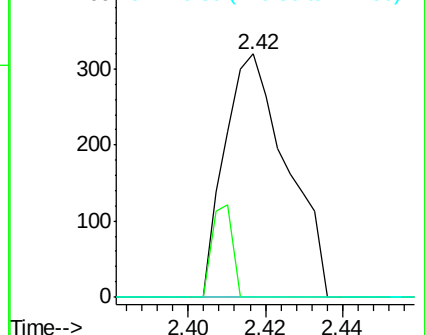
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.83 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VU025335.D

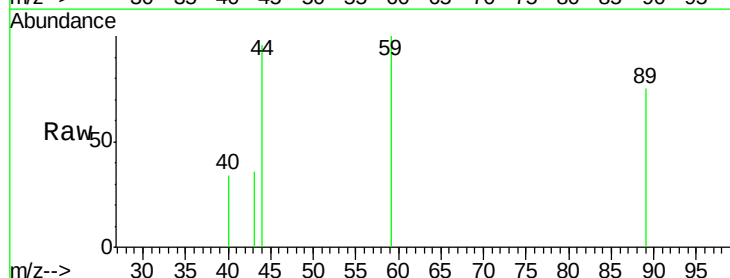
Acq: 12 Jul 2018 13:06

Tgt Ion: 59 Resp: 998

Ion Ratio Lower Upper

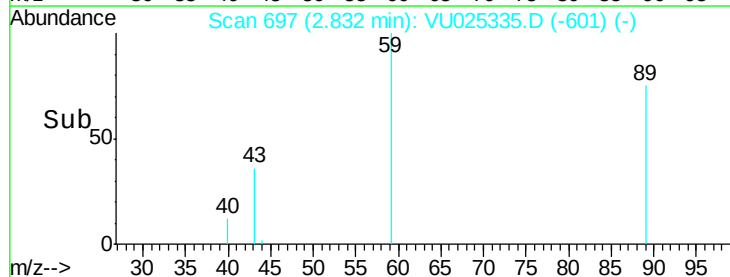
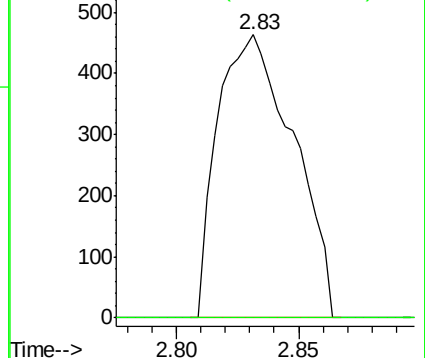
59 100

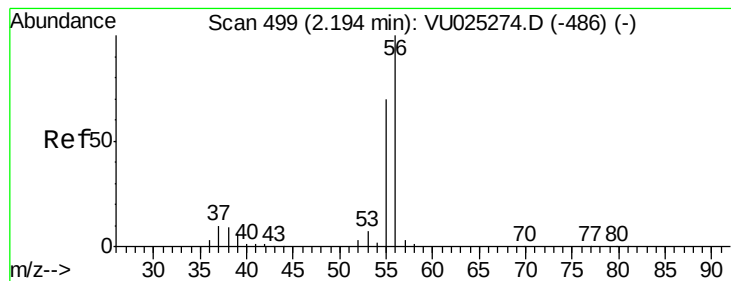
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 1.36 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

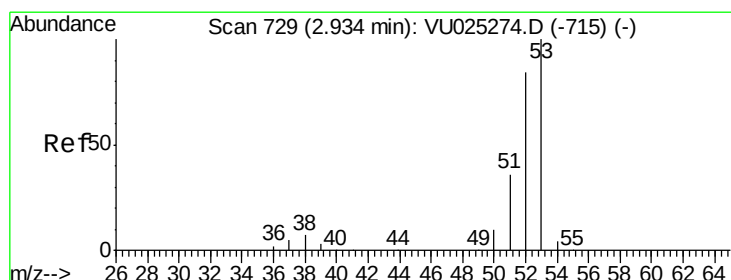
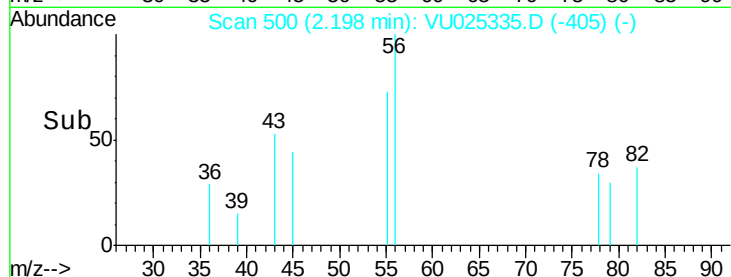
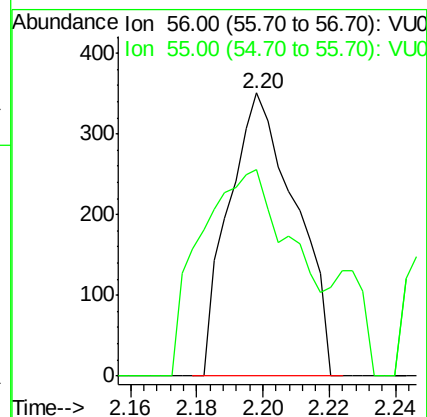
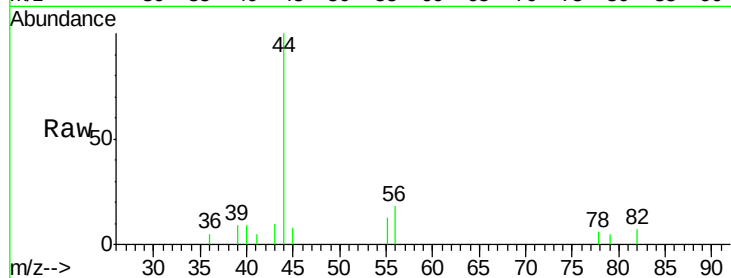
MDL-WATER-03-QT3-2018

Tot Ion: 56 Resp: 490

Ion Ratio Lower Upper

56 100

55 101.6 57.2 85.8#



#15

Acrylonitrile

Concen: 1.00 ug/l

RT: 2.94 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

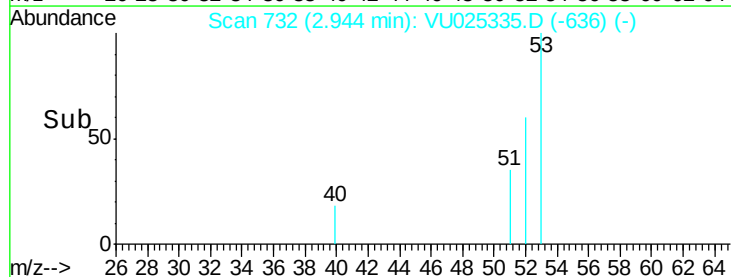
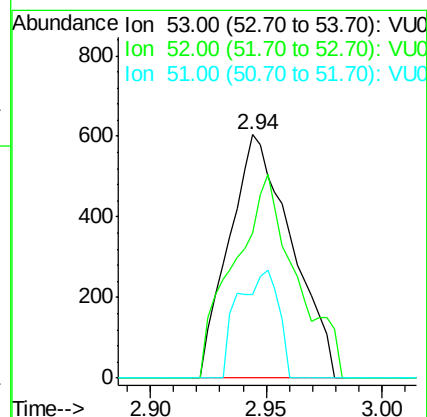
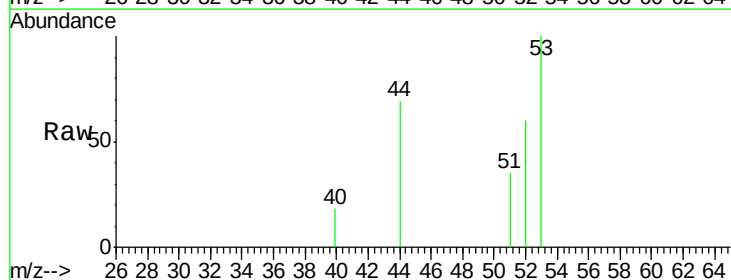
Tgt Ion: 53 Resp: 1126

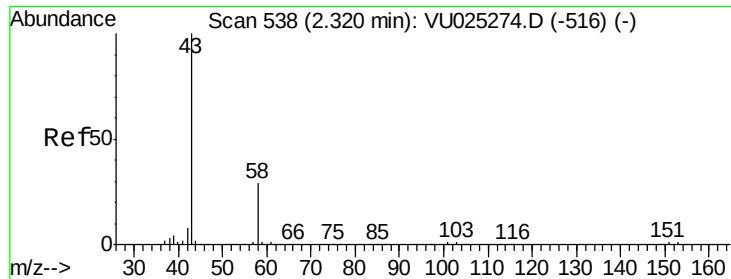
Ion Ratio Lower Upper

53 100

52 83.4 66.6 99.8

51 28.9 29.4 44.2#





#16

Acetone

Concen: 6.38 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

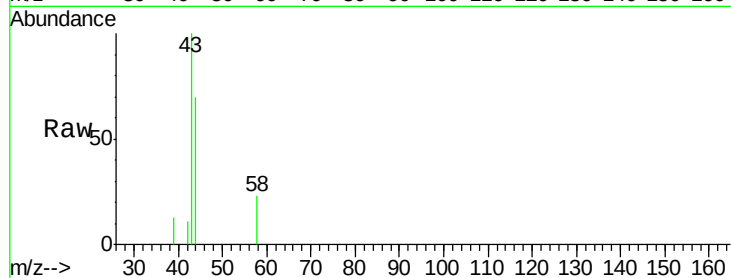
MDL-WATER-03-QT3-2018

Tot Ion: 43 Resp: 1973

Ion Ratio Lower Upper

43 100

58 23.3 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.33

1200

1000

800

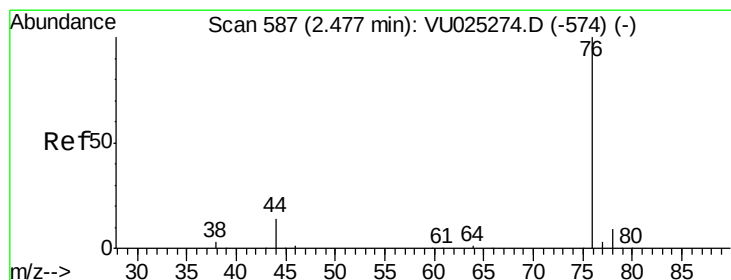
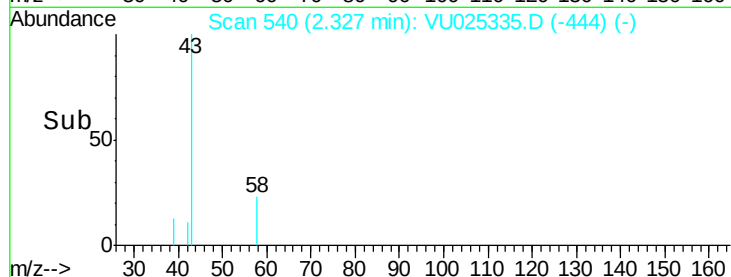
600

400

200

0

Time-->



#17

Carbon Disulfide

Concen: 2.19 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025335.D

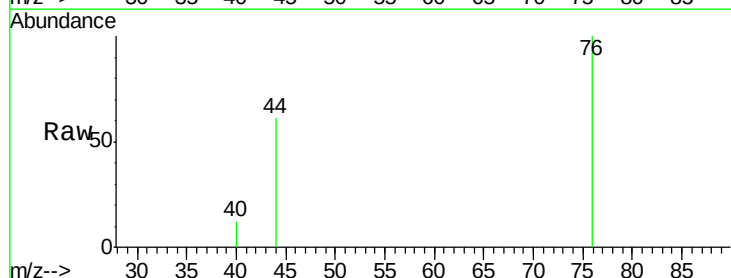
Acq: 12 Jul 2018 13:06

Tgt Ion: 76 Resp: 1268

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

1000

800

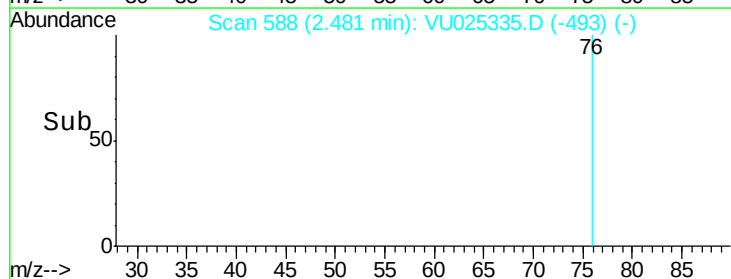
600

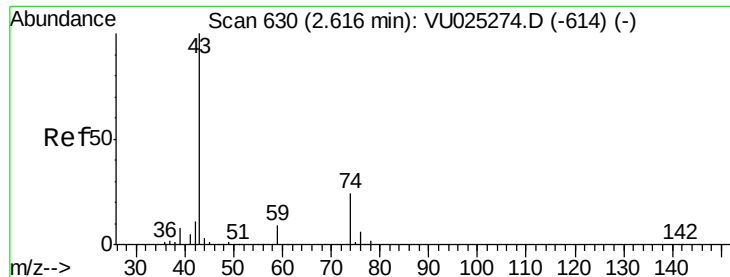
400

200

0

Time-->

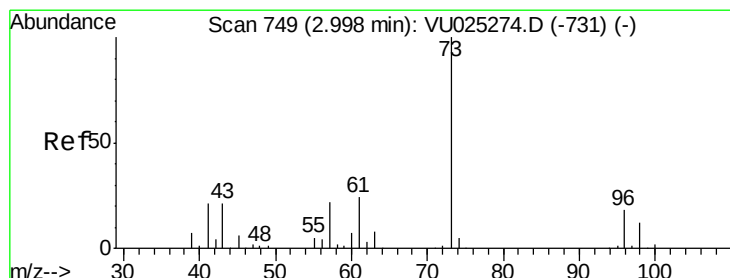
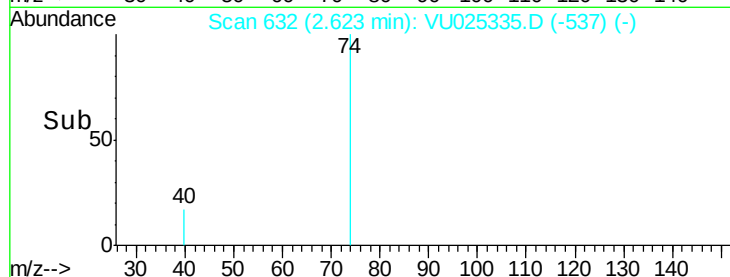
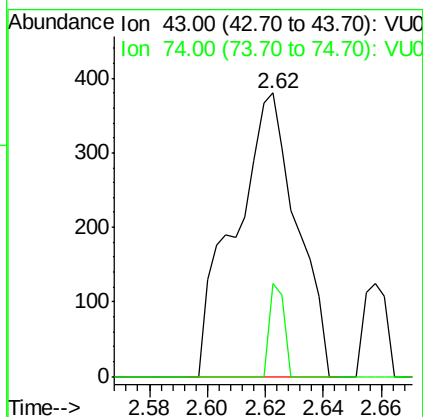
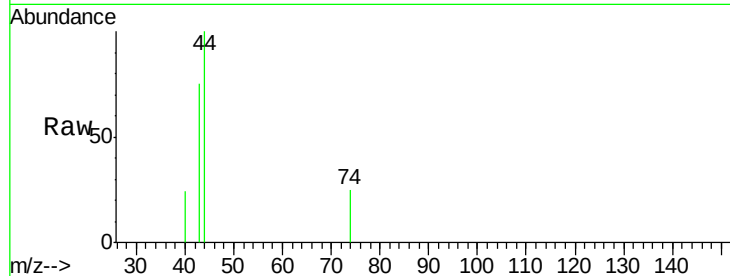




#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

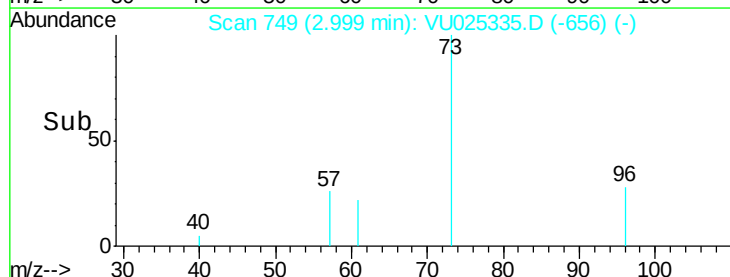
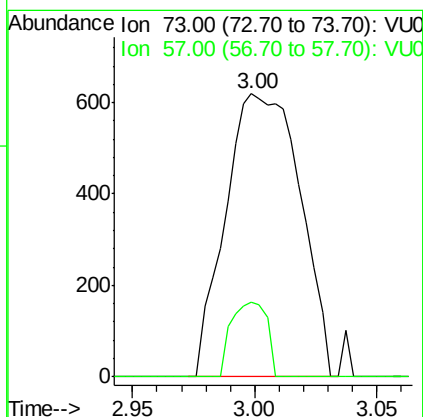
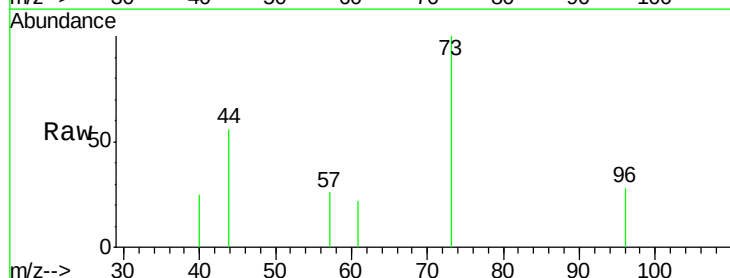
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

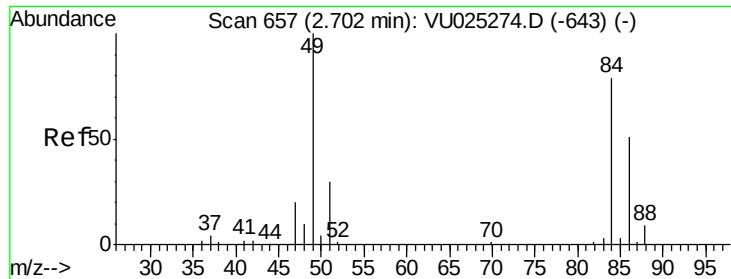
Tot Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
74 8.0 18.5 27.7#



#19
Methyl tert-butyl Ether
Concen: 0.21 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

Tgt Ion: 73 Resp: 1313
Ion Ratio Lower Upper
73 100
57 26.2 17.4 26.2#

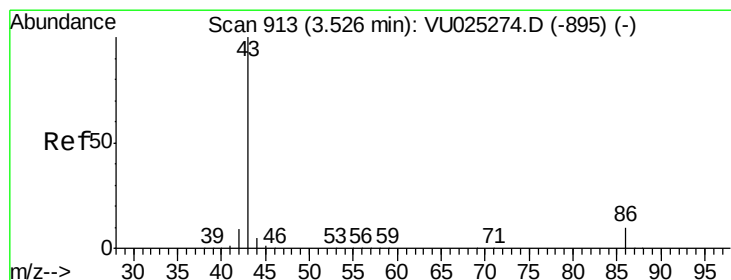
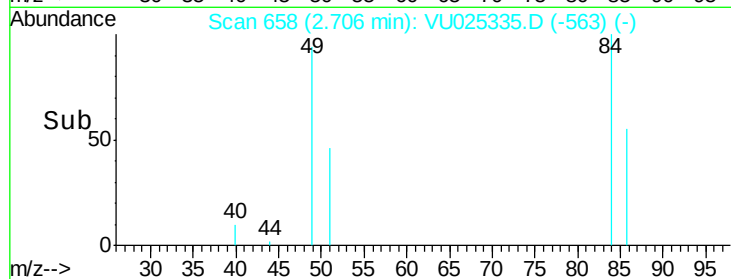
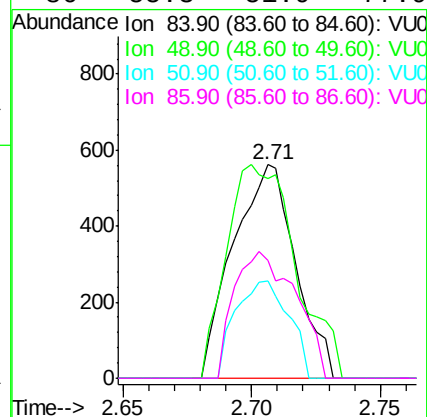
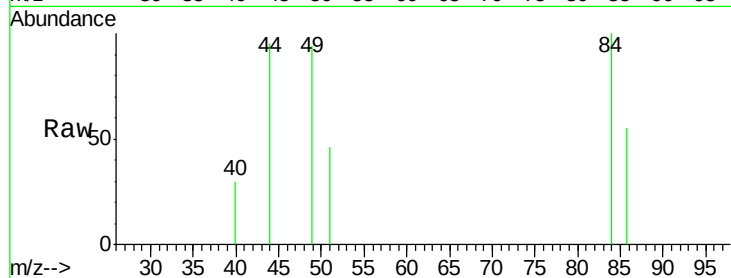




#20
Methvlene Chloride
Concen: 1.17 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

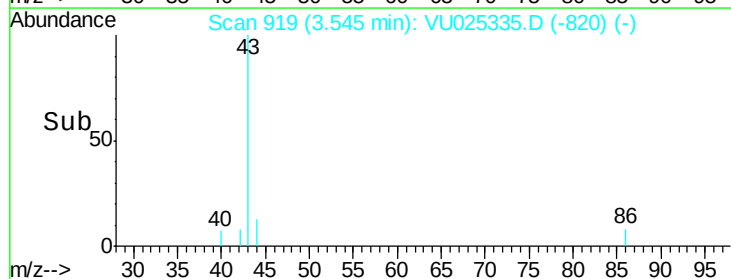
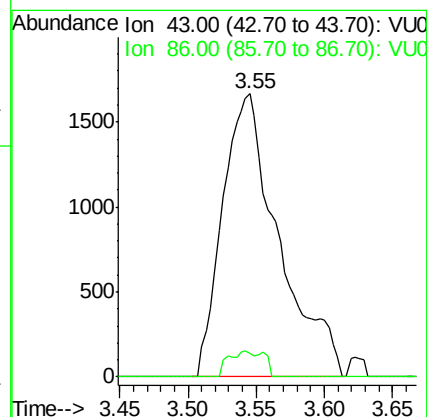
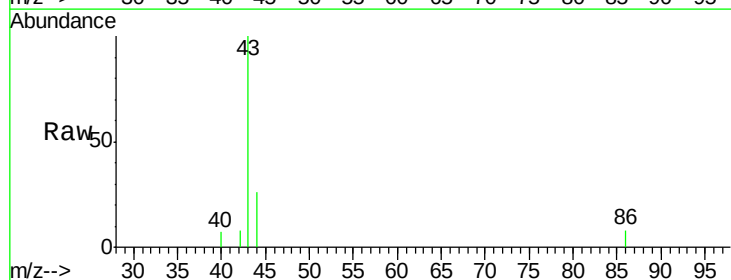
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

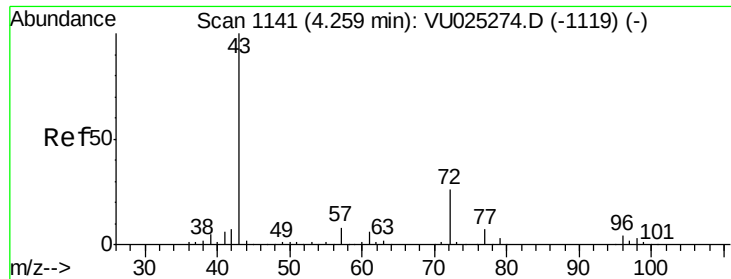
Tot Ion: 84 Resp: 944
Ion Ratio Lower Upper
84 100
49 93.6 101.8 152.6#
51 45.7 30.8 46.2
86 55.3 51.9 77.9



#23
Vinyl Acetate
Concen: 0.90 ug/l
RT: 3.55 min Scan# 919
Delta R.T. 0.02 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

Tgt Ion: 43 Resp: 4753
Ion Ratio Lower Upper
43 100
86 8.2 8.2 12.2

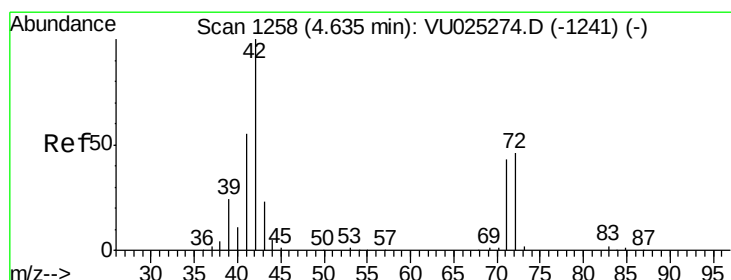
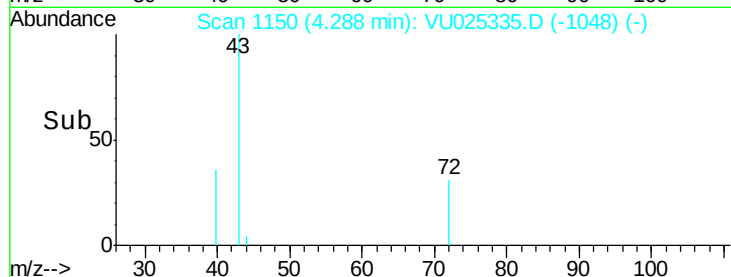
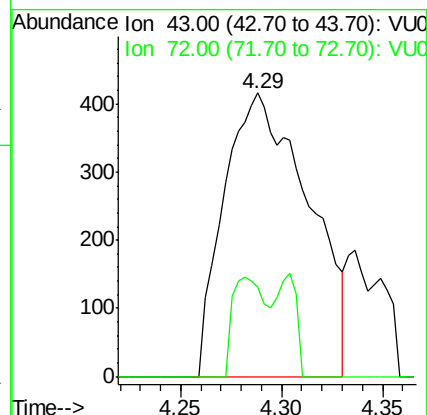
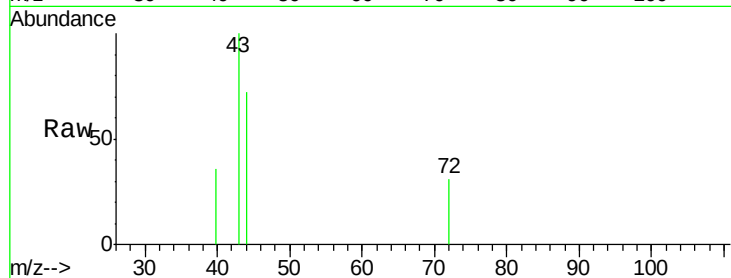




#25
2-Butanone
Concen: 0.70 ug/l
RT: 4.29 min Scan# 1150
Delta R.T. 0.03 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

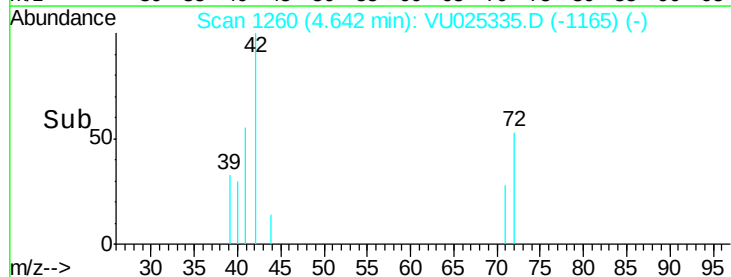
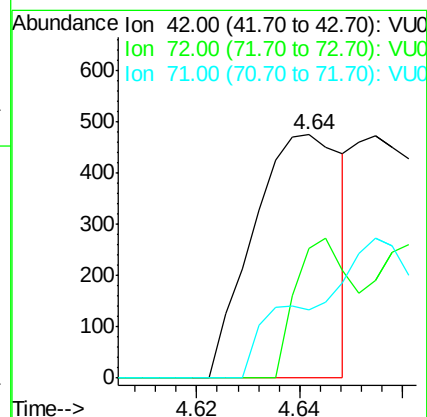
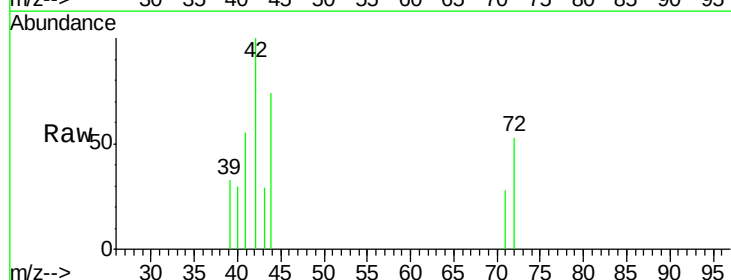
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

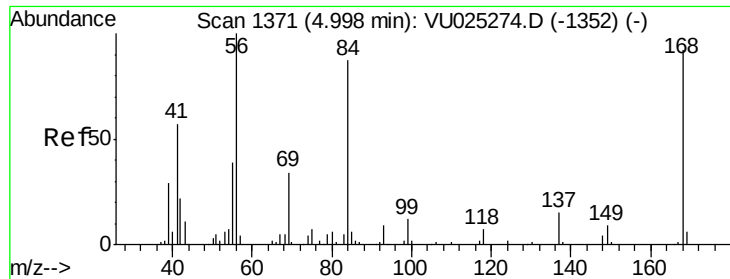
Tot Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
72 31.3 21.0 31.4



#29
Tetrahydrofuran
Concen: 0.54 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

Tgt Ion: 42 Resp: 565
Ion Ratio Lower Upper
42 100
72 36.3 36.7 55.1#
71 0.0 33.9 50.9#

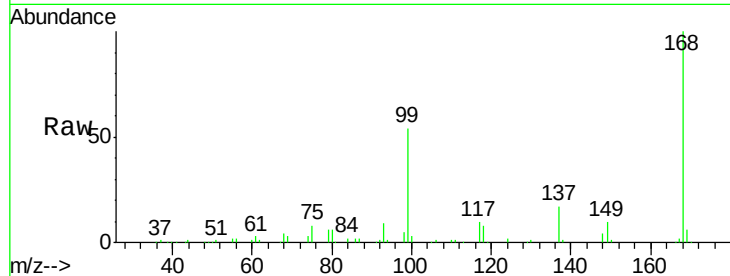




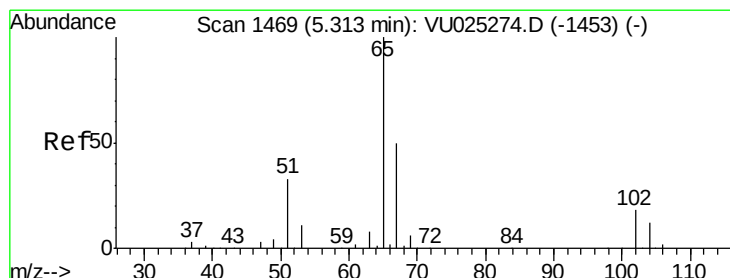
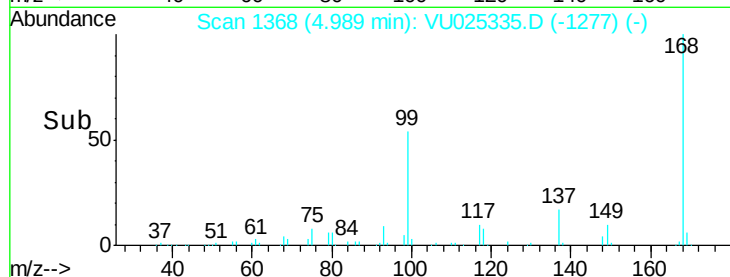
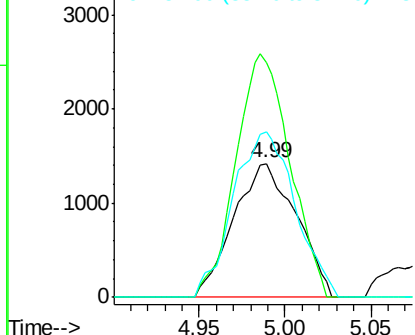
#31
Cyclohexane
Concen: 1.86 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion: 56 Resp: 3596
Ion Ratio Lower Upper
56 100
69 174.8 26.8 40.2#
84 123.6 69.7 104.5#

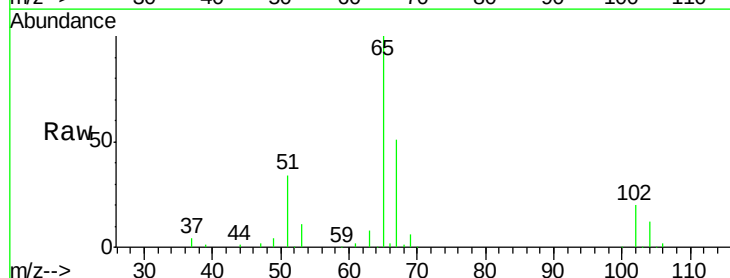


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

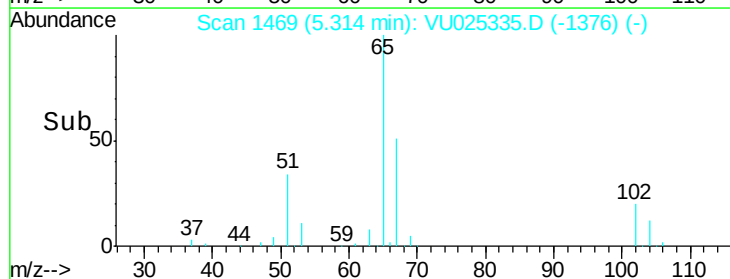
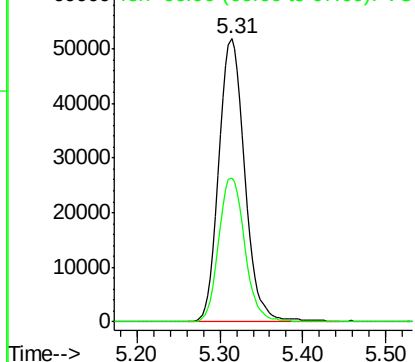


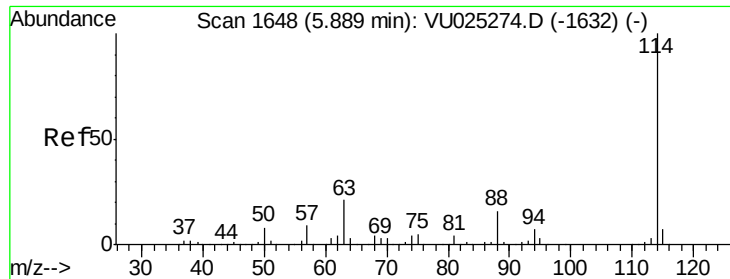
#33
1,2-Dichloroethane-d4
Concen: 45.00 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

Tgt Ion: 65 Resp: 112721
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

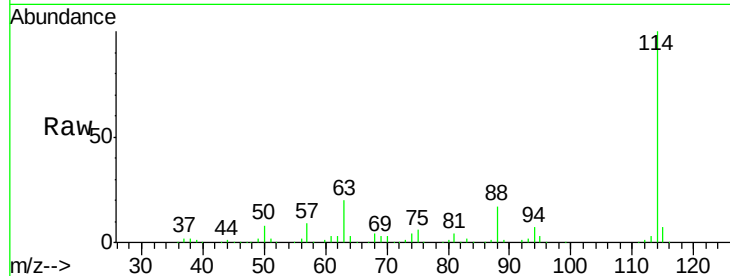




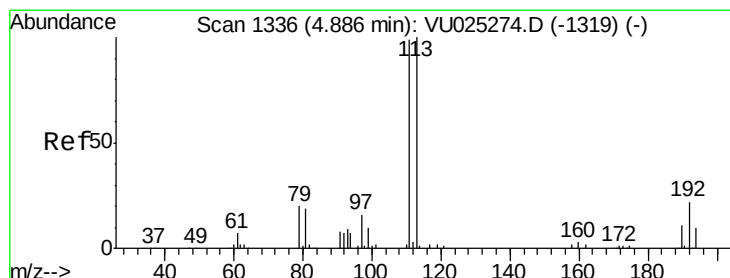
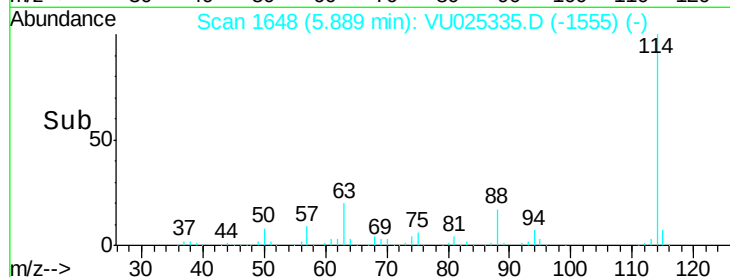
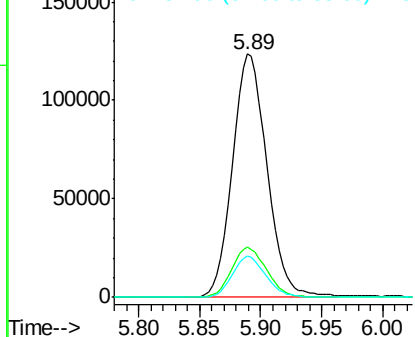
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.89 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion:114 Resp: 243021
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.6
88 17.0 0.0 32.4

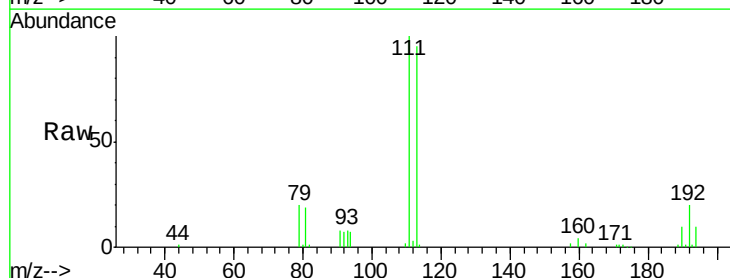


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

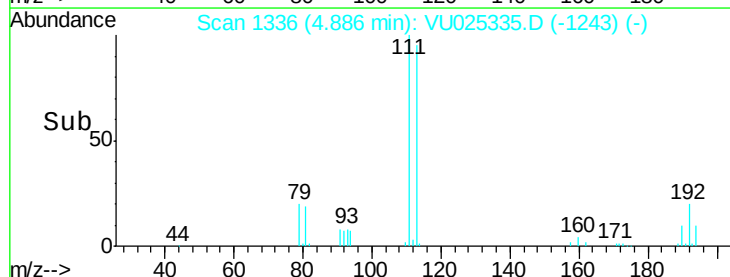
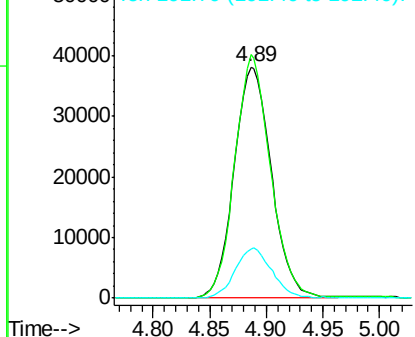


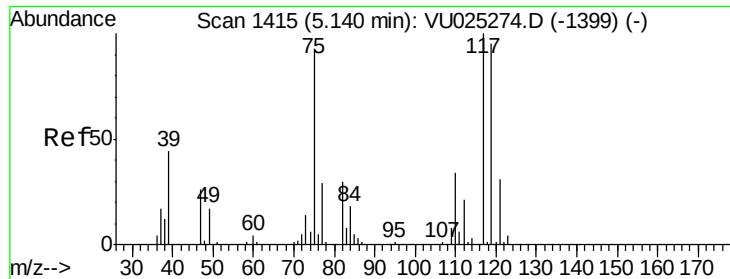
#35
Dibromofluoromethane
Concen: 42.81 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

Tgt Ion:113 Resp: 87758
Ion Ratio Lower Upper
113 100
111 100.5 81.7 122.5
192 21.2 17.1 25.7



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: 0.20 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

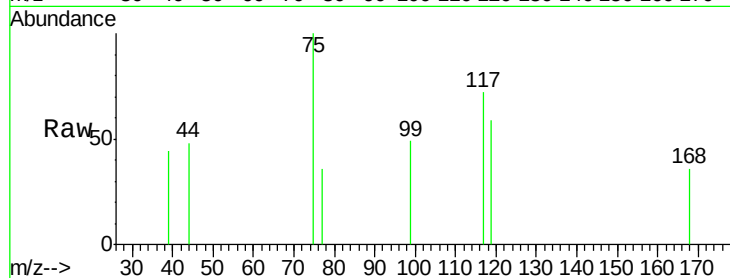
Tot Ion: 75 Resp: 542

Ion Ratio Lower Upper

75 100

110 0.0 17.6 52.9#

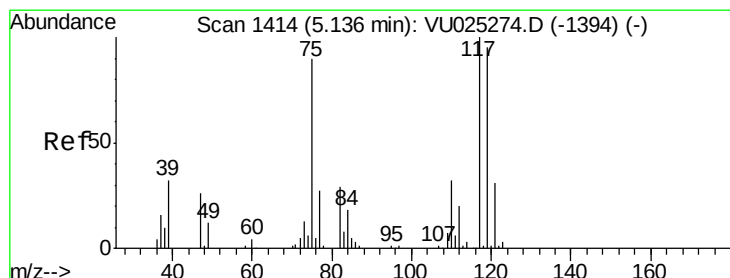
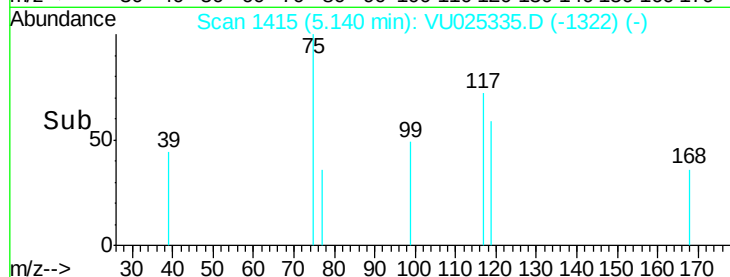
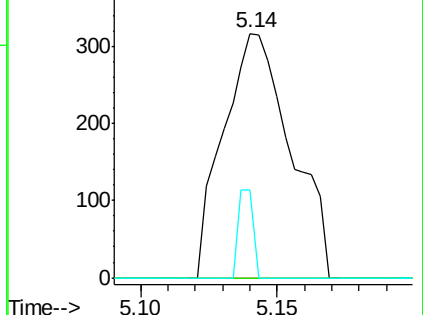
77 8.1 24.4 36.6#



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: 5.52 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

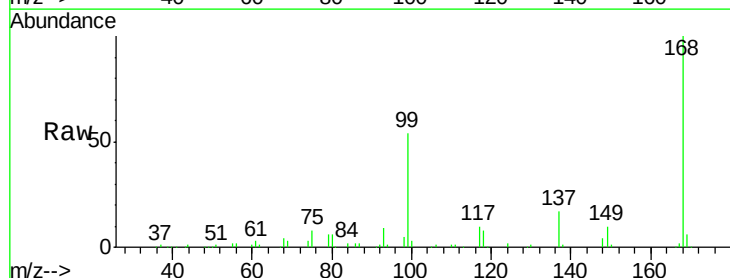
Tgt Ion: 117 Resp: 16044

Ion Ratio Lower Upper

117 100

119 4.2 75.7 113.5#

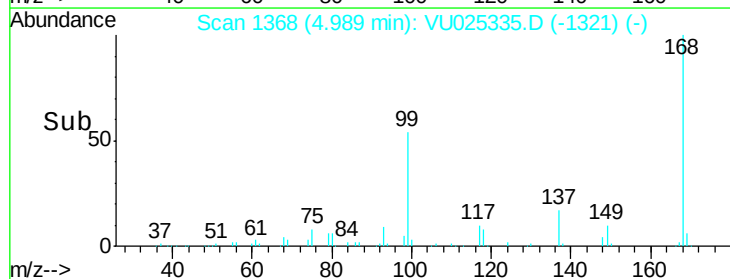
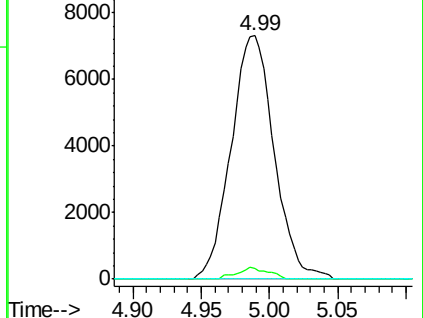
121 0.0 24.6 36.8#

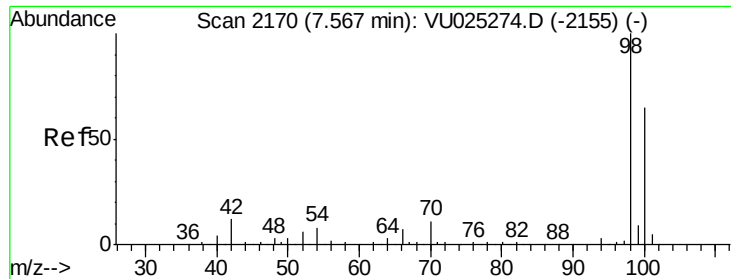


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 40.65 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

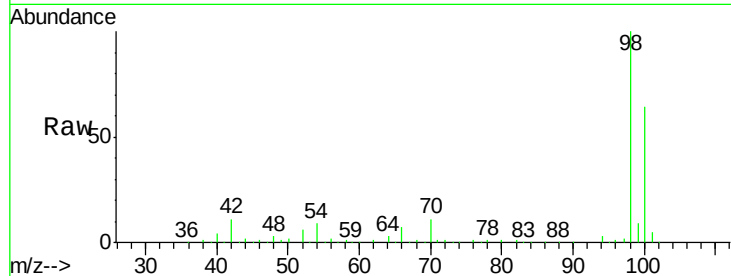
MDL-WATER-03-QT3-2018

Tot Ion: 98 Resp: 285348

Ion Ratio Lower Upper

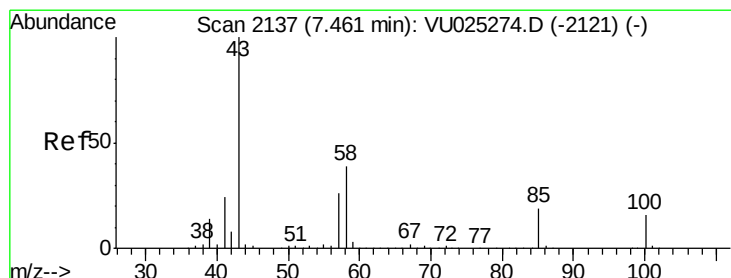
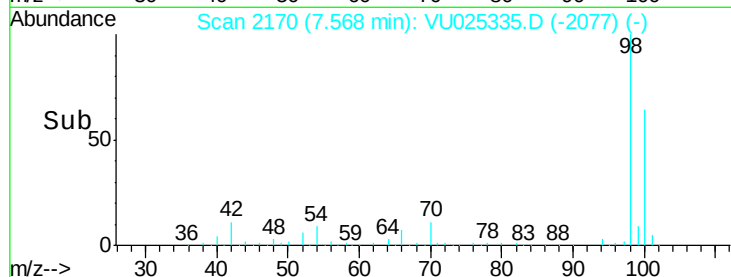
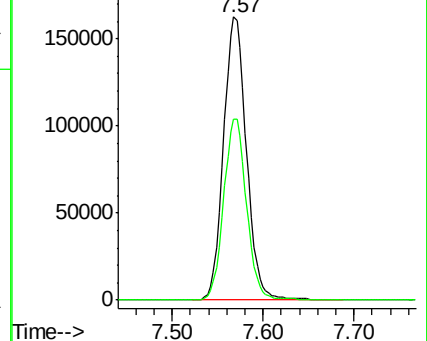
98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#51

4-Methyl-2-Pentanone

Concen: 0.86 ug/l

RT: 7.47 min Scan# 2140

Delta R.T. 0.01 min

Lab File: VU025335.D

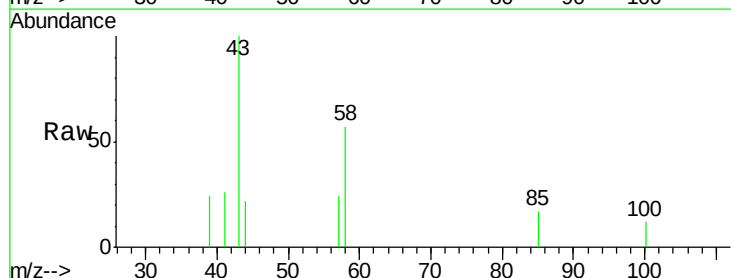
Acq: 12 Jul 2018 13:06

Tgt Ion: 43 Resp: 2704

Ion Ratio Lower Upper

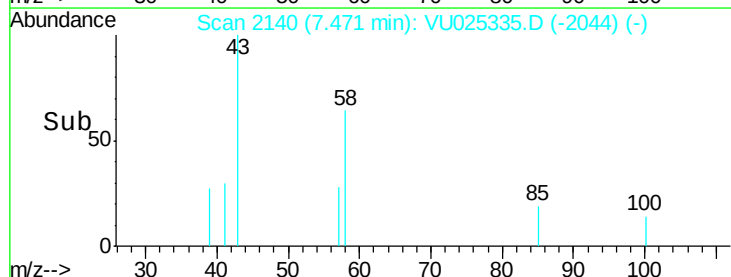
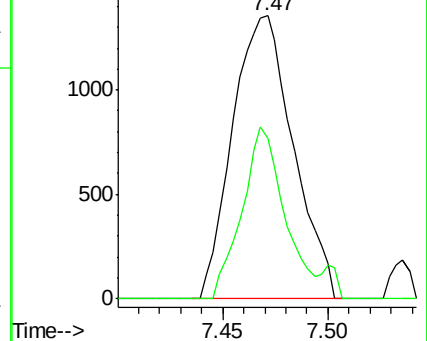
43 100

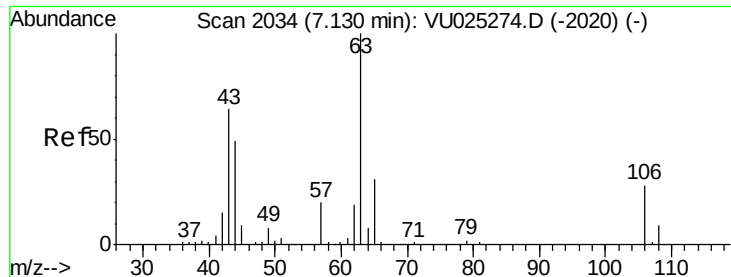
58 42.4 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

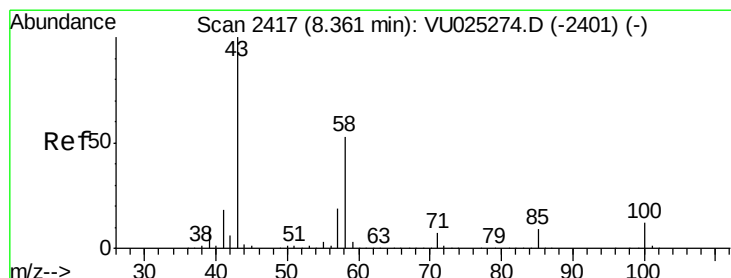
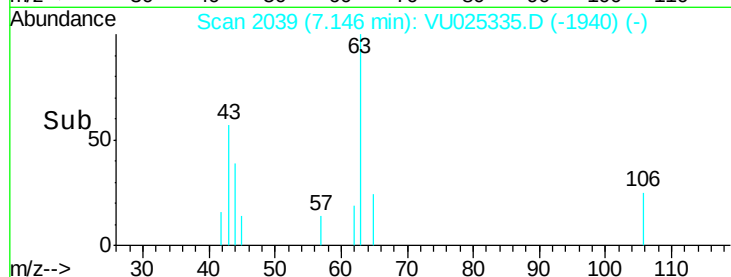
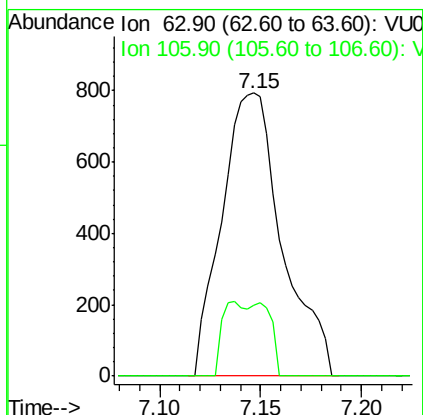
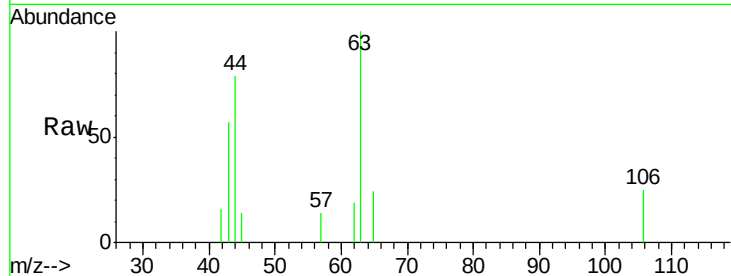




#58
2-Chloroethyl Vinyl ether
Concen: 12.12 ug/l
RT: 7.15 min Scan# 2039
Delta R.T. 0.02 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

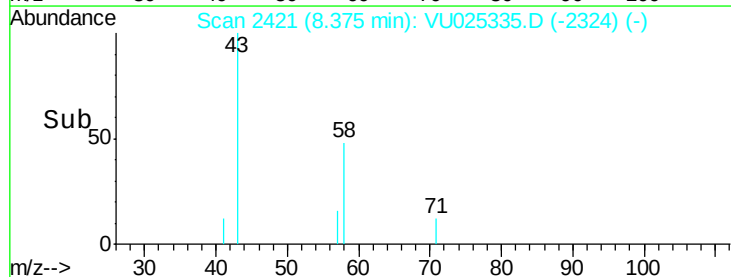
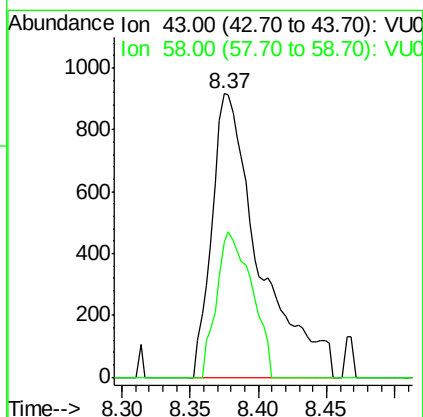
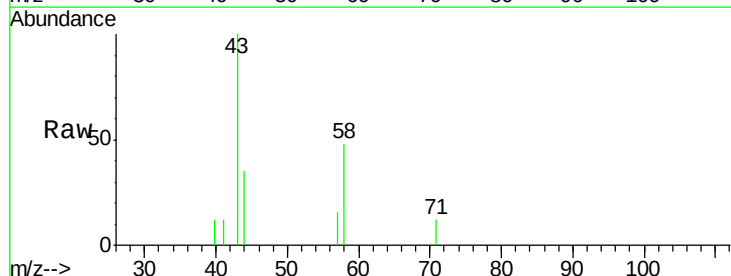
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2018

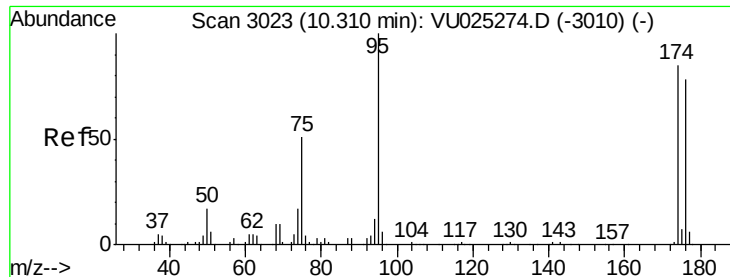
Tot Ion: 63 Resp: 1655
Ion Ratio Lower Upper
63 100
106 11.2 22.3 33.5#



#59
2-Hexanone
Concen: 0.87 ug/l
RT: 8.37 min Scan# 2421
Delta R.T. 0.01 min
Lab File: VU025335.D
Acq: 12 Jul 2018 13:06

Tgt Ion: 43 Resp: 2212
Ion Ratio Lower Upper
43 100
58 38.0 26.2 78.5





#62

4-Bromofluorobenzene

Concen: 37.86 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

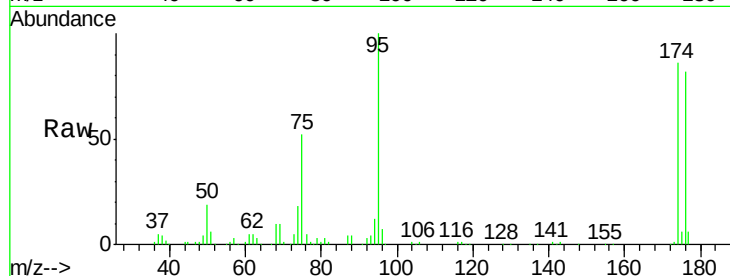
Tot Ion: 95 Resp: 107016

Ion Ratio Lower Upper

95 100

174 86.7 0.0 172.2

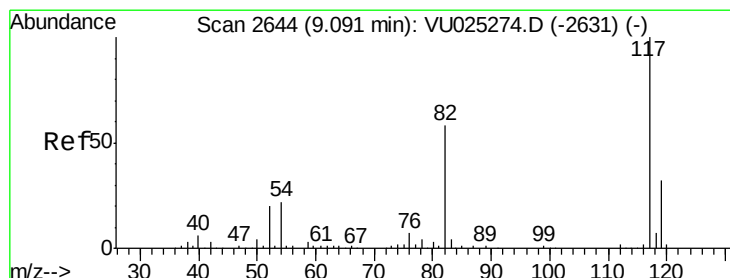
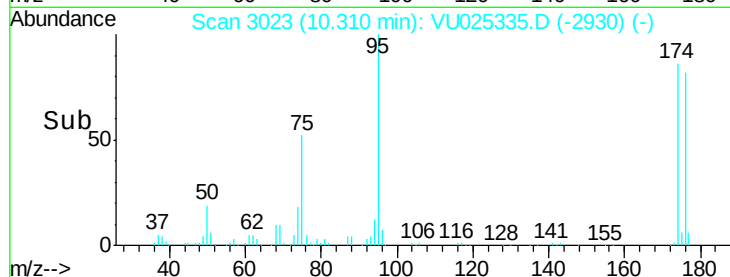
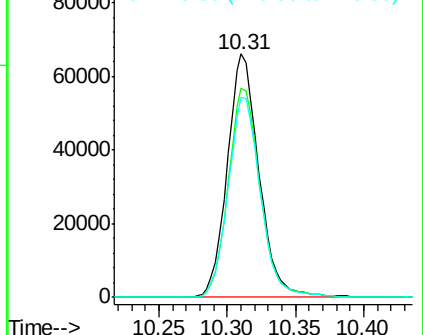
176 84.2 0.0 162.6



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: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

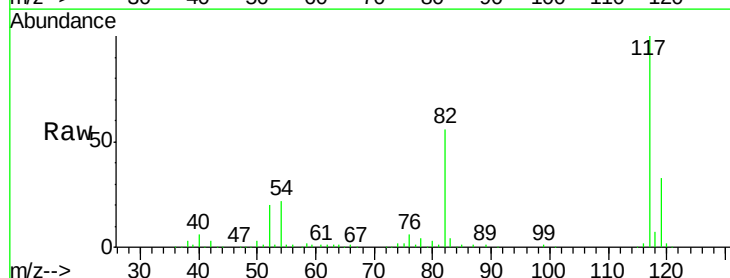
Tgt Ion: 117 Resp: 219230

Ion Ratio Lower Upper

117 100

82 56.3 46.0 69.0

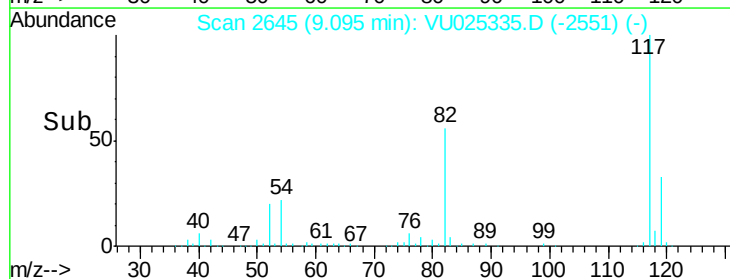
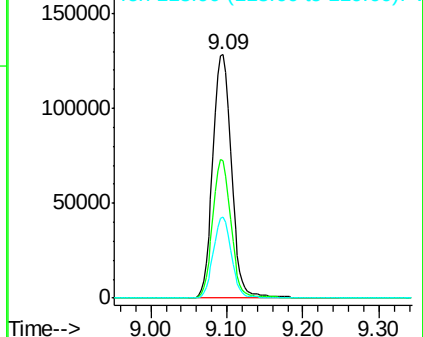
119 33.4 26.0 39.0

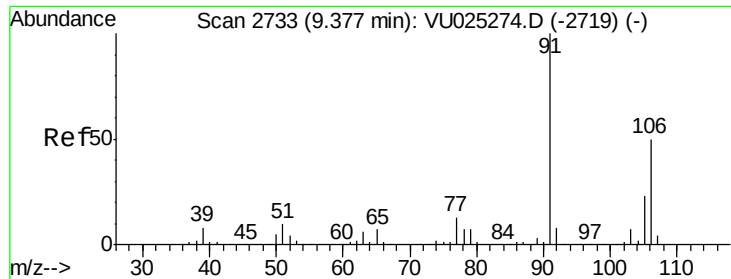


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#68

m/p-Xylenes

Concen: 0.34 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

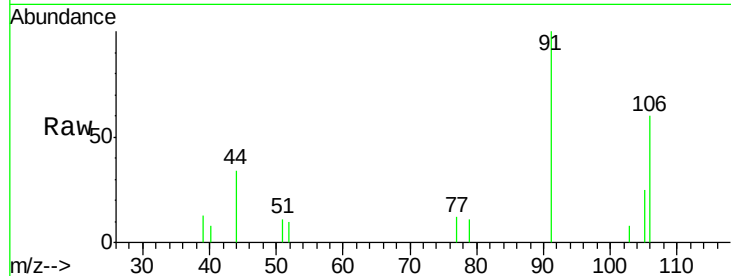
MDL-WATER-03-QT3-2018

Tot Ion:106 Resp: 1230

Ion Ratio Lower Upper

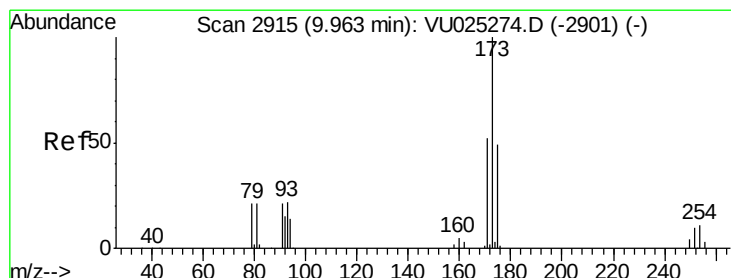
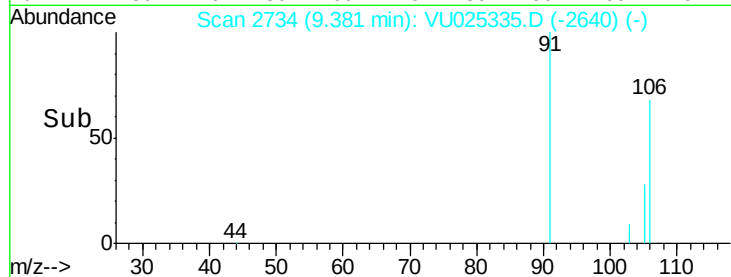
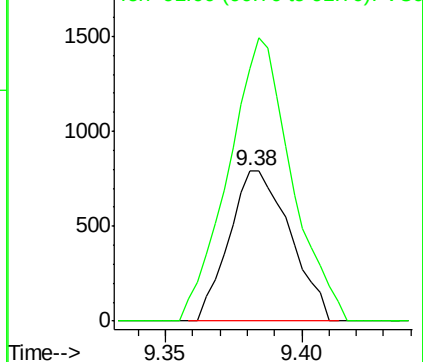
106 100

91 194.8 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#71

Bromoform

Concen: 4.66 ug/l

RT: 9.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

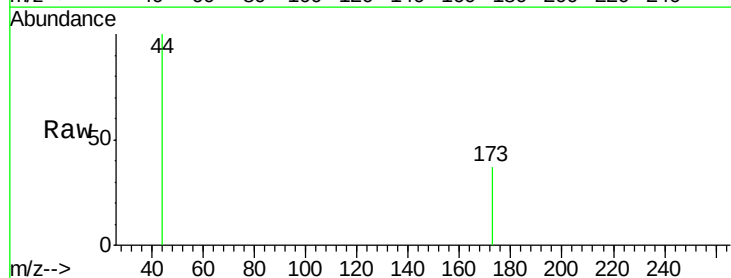
Tgt Ion:173 Resp: 135

Ion Ratio Lower Upper

173 100

175 0.0 24.0 72.0#

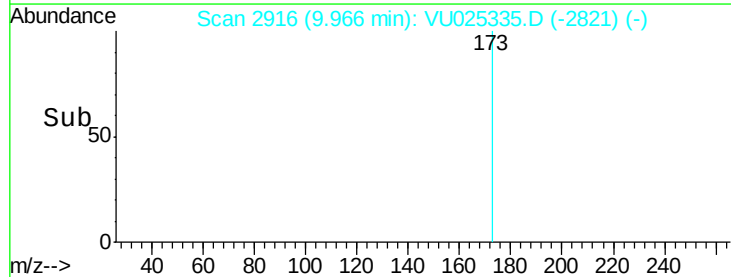
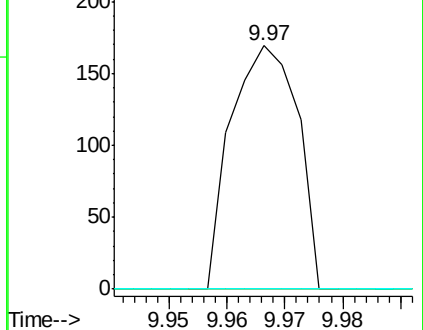
254 0.0 0.0 0.0

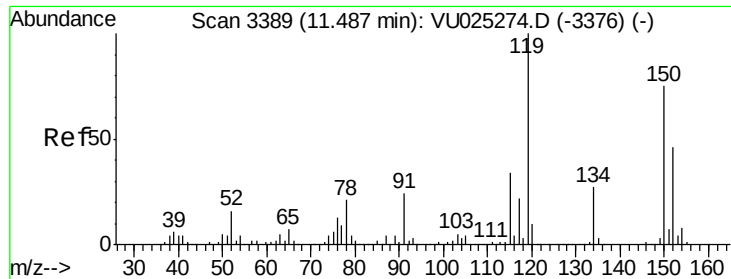


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

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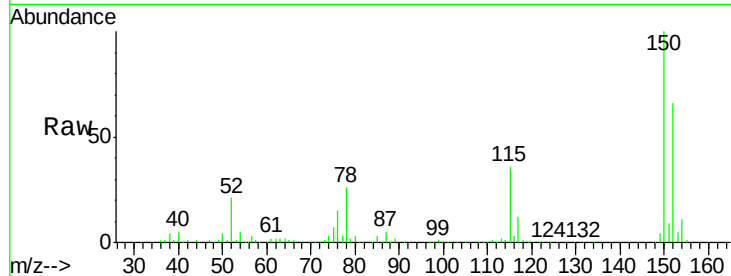
Tot Ion:152 Resp: 107954

Ion Ratio Lower Upper

152 100

115 55.8 40.1 120.3

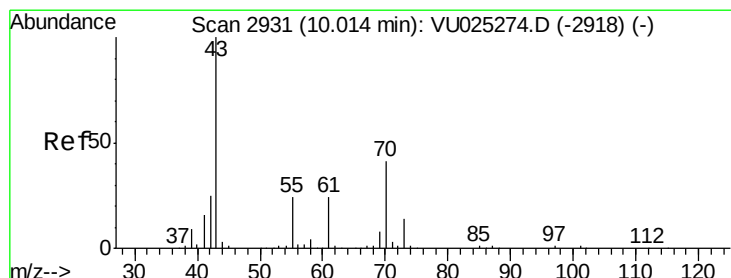
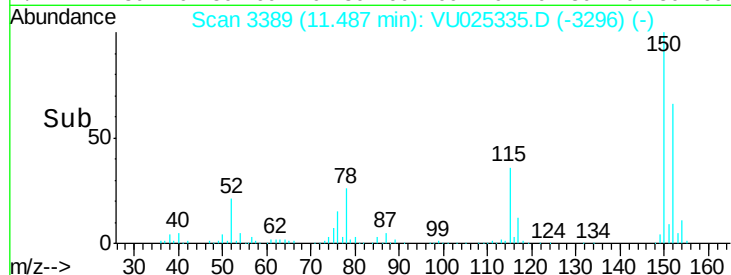
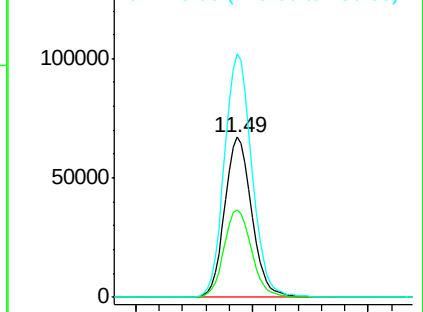
150 154.5 0.0 351.4



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



#74

N-ethyl acetate

Concen: 1.44 ug/l

RT: 10.03 min Scan# 2935

Delta R.T. 0.01 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Tgt Ion: 43 Resp: 580

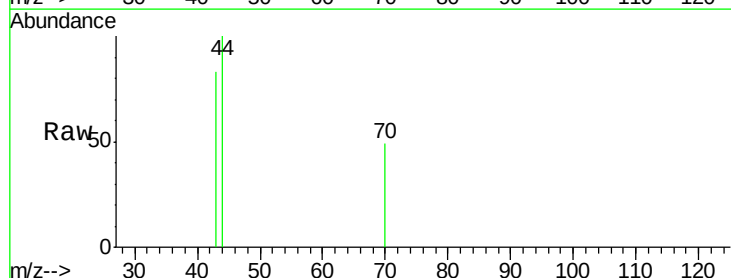
Ion Ratio Lower Upper

43 100

70 37.4 33.4 50.2

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#

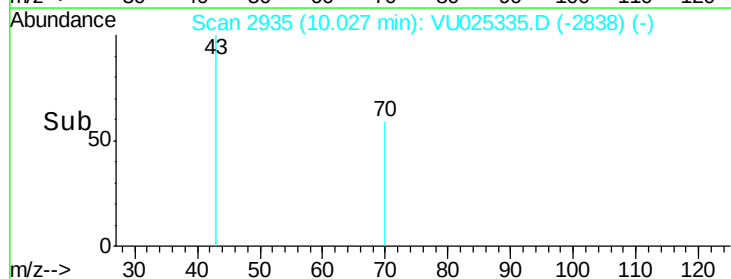
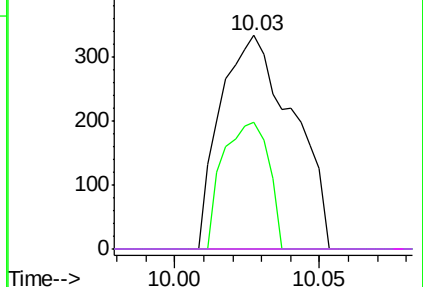


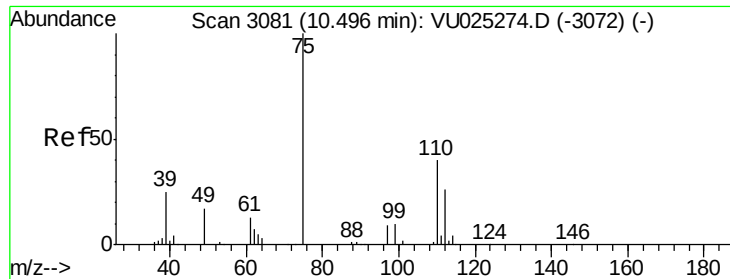
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

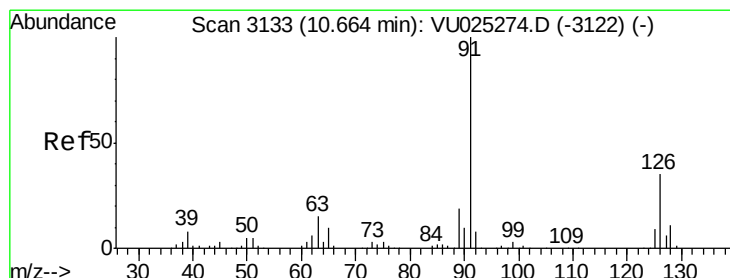
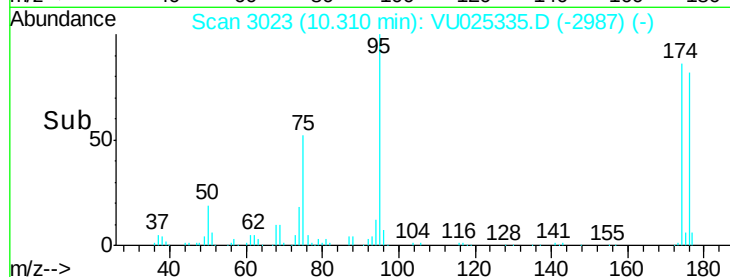
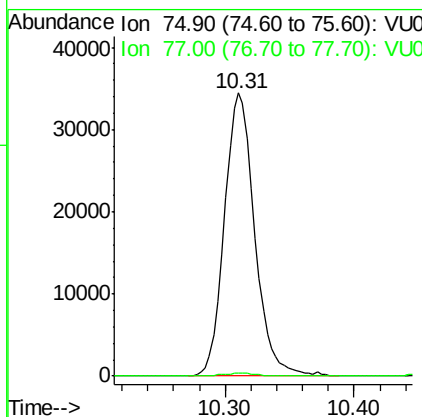
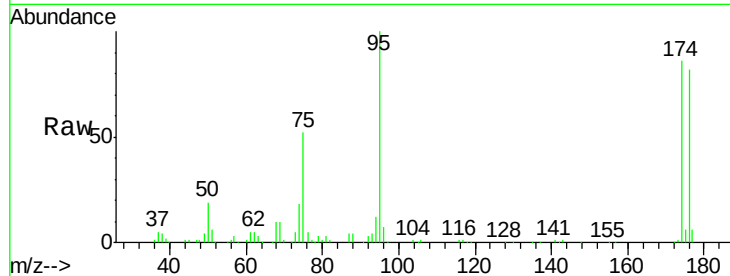




#76
 1,2,3-Trichloropropane
 Concen: 25.57 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025335.D
 Acq: 12 Jul 2018 13:06

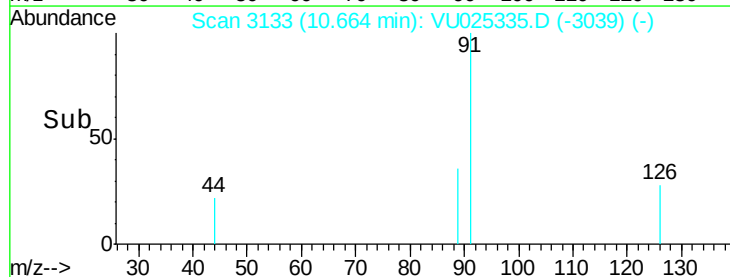
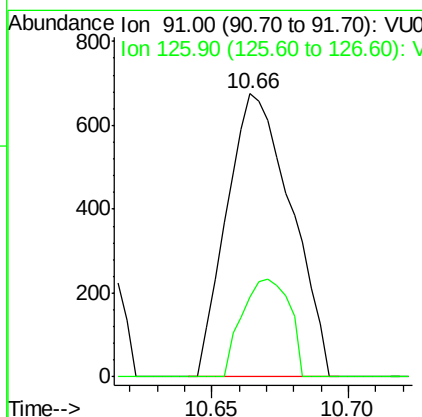
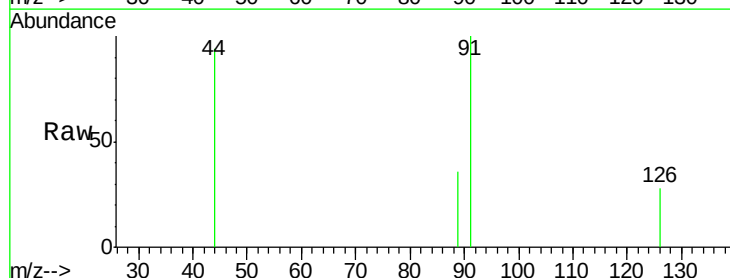
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

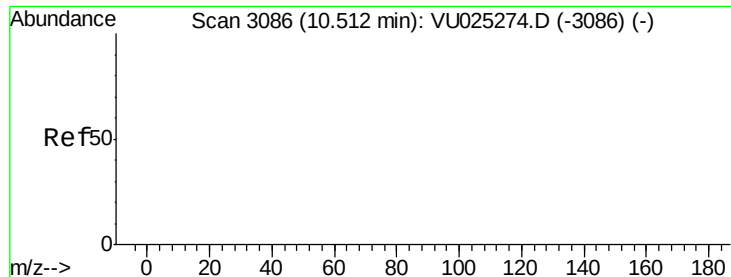
Tot Ion: 75 Resp: 56000
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.4 61.3#



#79
 2-Chlorotoluene
 Concen: 0.35 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025335.D
 Acq: 12 Jul 2018 13:06

Tgt Ion: 91 Resp: 1109
 Ion Ratio Lower Upper
 91 100
 126 25.2 17.5 52.6





#81

trans-1,4-Dichloro-2-butene

Concen: 65.11 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018

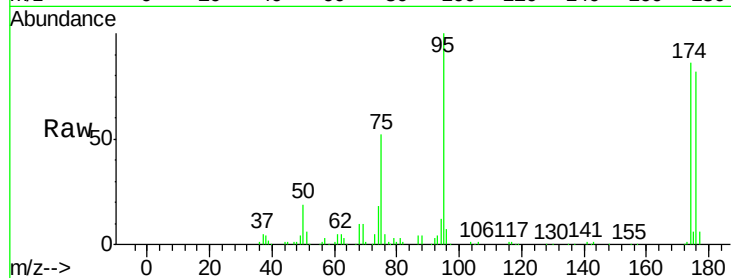
Tot Ion: 75 Resp: 56000

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

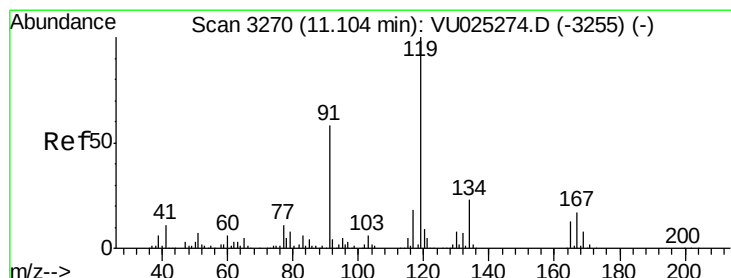
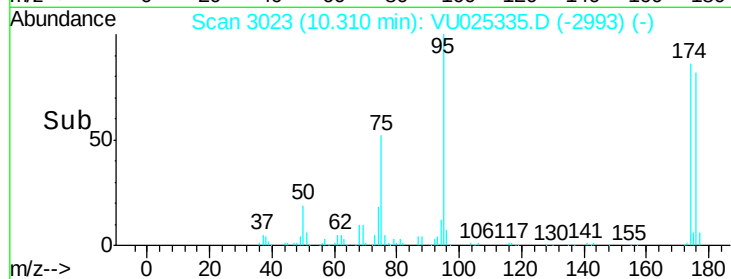
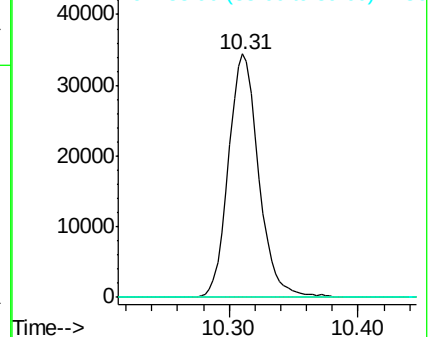
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025274.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU025274.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU025274.D (-3086) (-)



#83

tert-Butylbenzene

Concen: 0.20 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025335.D

Acq: 12 Jul 2018 13:06

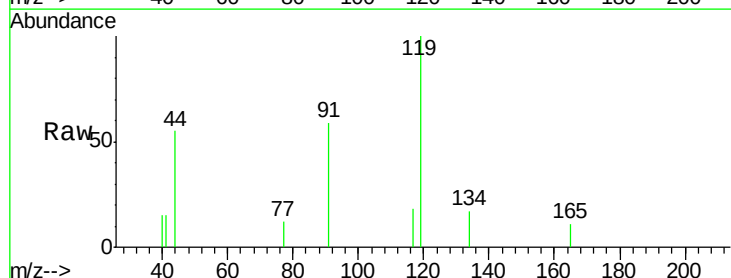
Tgt Ion: 119 Resp: 1408

Ion Ratio Lower Upper

119 100

91 54.5 29.7 89.1

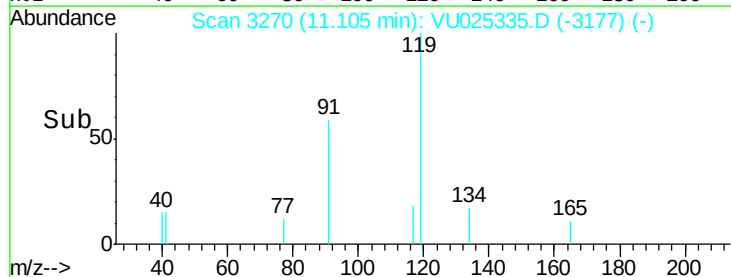
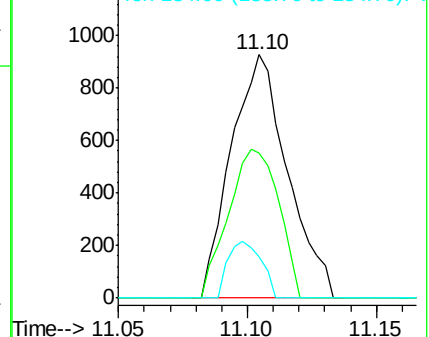
134 13.6 11.5 34.5

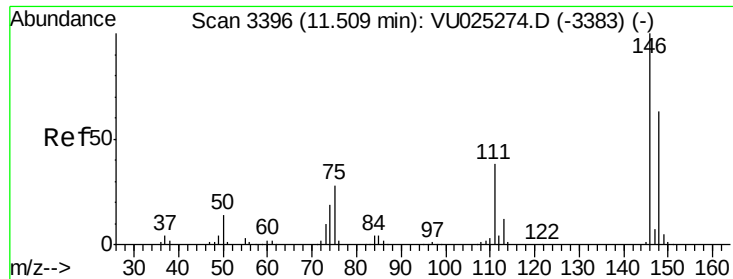


Abundance Ion 119.00 (118.70 to 119.70): VU025274.D (-3255) (-)

Ion 91.00 (90.70 to 91.70): VU025274.D (-3255) (-)

Ion 134.00 (133.70 to 134.70): VU025274.D (-3255) (-)

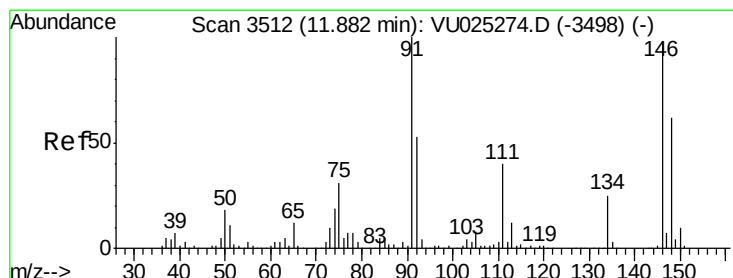
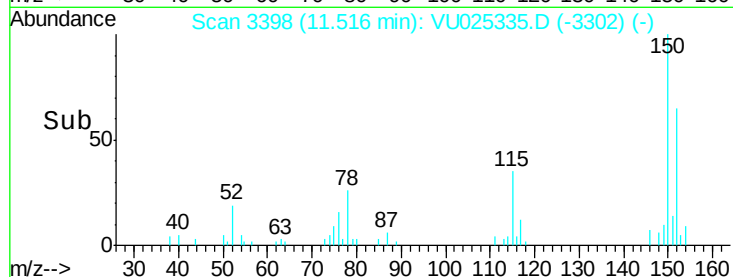
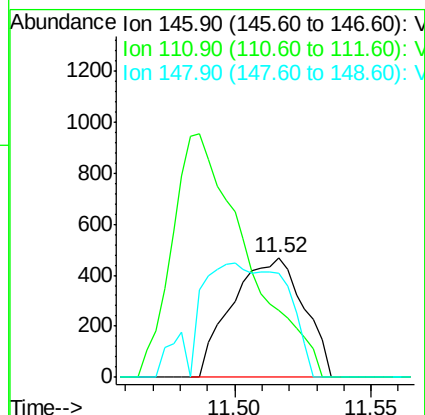
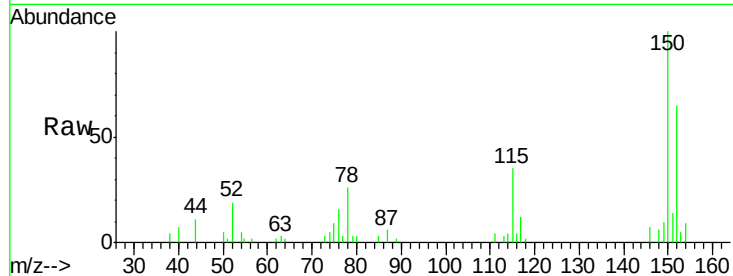




#88
 1,4-Dichlorobenzene
 Concen: 1.71 ug/l
 RT: 11.52 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VU025335.D
 Acq: 12 Jul 2018 13:06

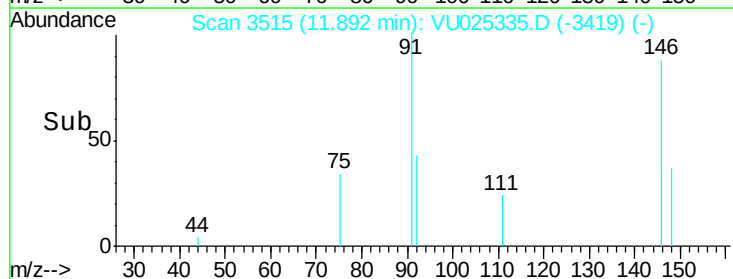
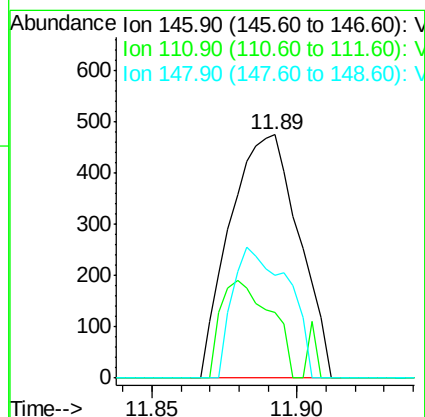
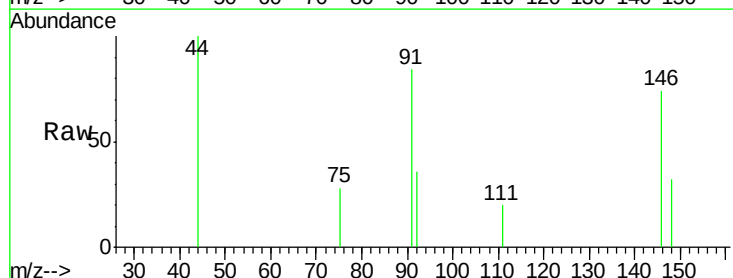
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

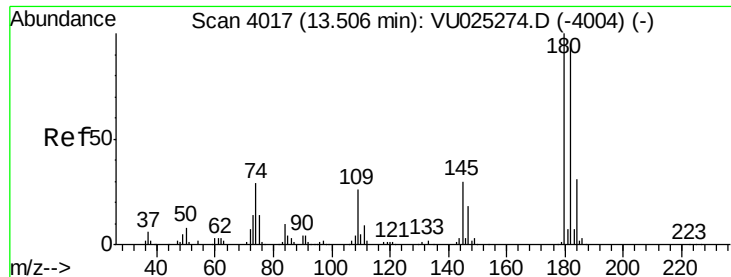
Tot Ion:146 Resp: 848
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.1#
 148 0.0 31.7 95.1#



#91
 1,2-Dichlorobenzene
 Concen: 0.20 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.01 min
 Lab File: VU025335.D
 Acq: 12 Jul 2018 13:06

Tgt Ion:146 Resp: 783
 Ion Ratio Lower Upper
 146 100
 111 2.8 20.6 61.8#
 148 0.0 31.5 94.5#

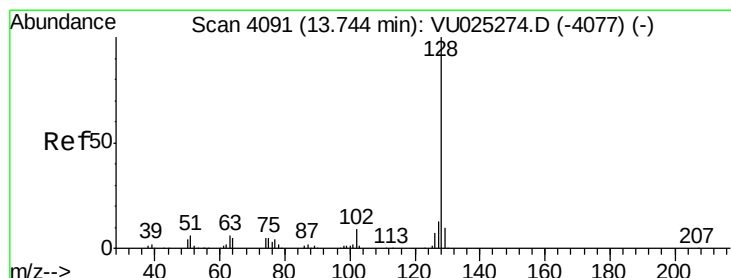
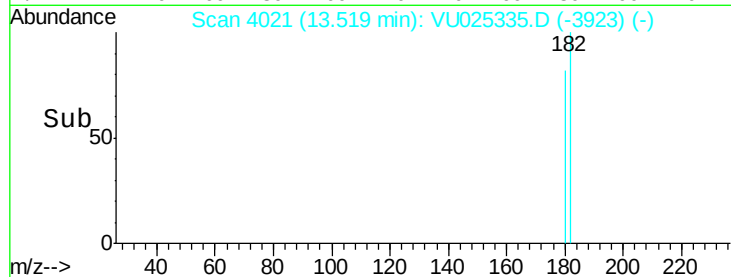
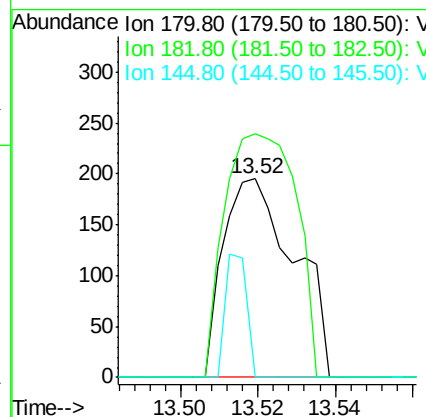
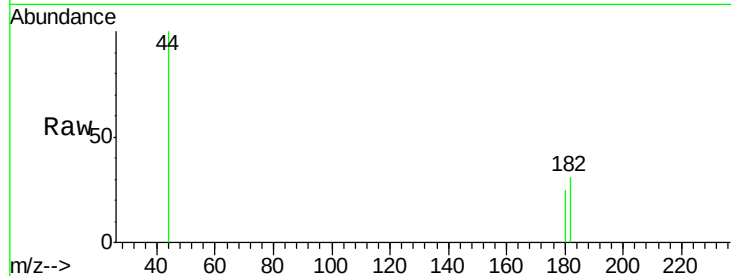




#93
 1,2,4-Trichlorobenzene
 Concen: 3.37 ug/l
 RT: 13.52 min Scan# 4021
 Delta R.T. 0.01 min
 Lab File: VU025335.D
 Acq: 12 Jul 2018 13:06

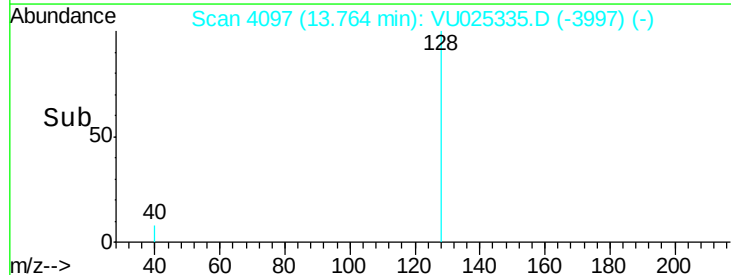
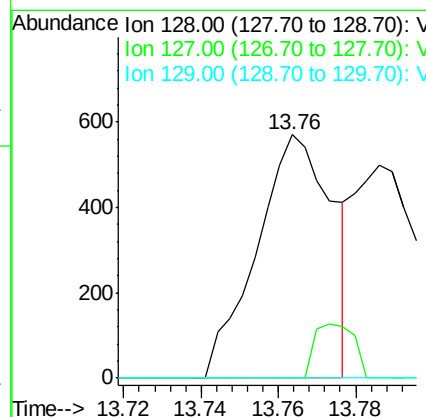
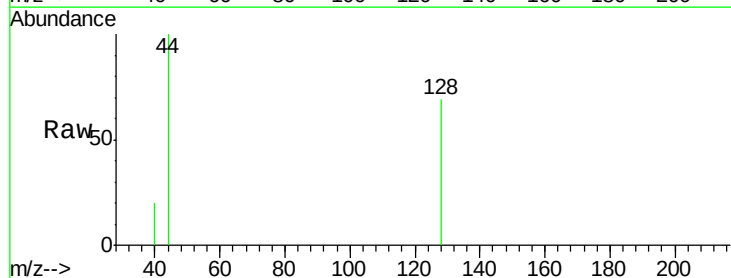
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2018

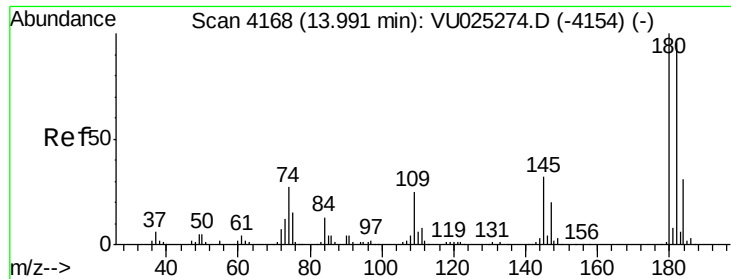
Tot Ion:180 Resp: 249
 Ion Ratio Lower Upper
 180 100
 182 123.7 47.3 141.9
 145 18.5 14.9 44.7



#95
 Naphthalene
 Concen: 2.51 ug/l
 RT: 13.76 min Scan# 4097
 Delta R.T. 0.02 min
 Lab File: VU025335.D
 Acq: 12 Jul 2018 13:06

Tgt Ion:128 Resp: 777
 Ion Ratio Lower Upper
 128 100
 127 11.5 10.5 15.7
 129 0.0 8.3 12.5#





#96

1,2,3-Trichlorobenzene

Concen: 2.66 ug/l

RT: 14.00 min Scan# 4171

Delta R.T. 0.01 min

Lab File: VU025335.D

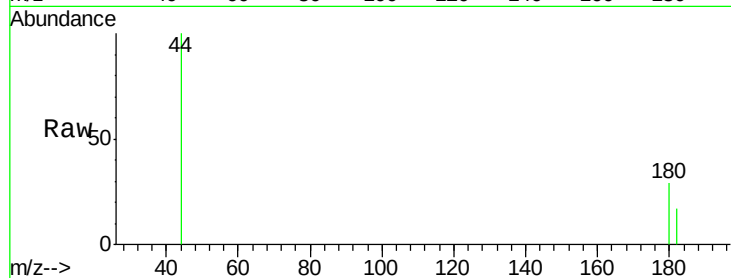
Acq: 12 Jul 2018 13:06

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2018



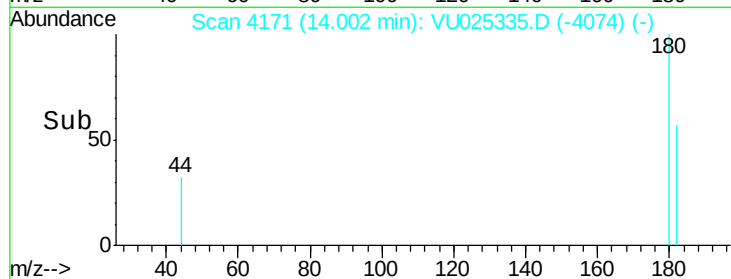
Tot Ion:180 Resp: 353

Ion Ratio Lower Upper

180 100

182 92.4 47.8 143.3

145 0.0 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

