

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027184.D
 Acq On : 26 Sep 2018 17:47
 Operator : MD/SY
 Sample : J5032-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018

Quant Time: Sep 27 01:08:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	89916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	153625	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	156465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	76331	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	96365	53.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.50%	
35) Dibromofluoromethane	4.88	113	66443	49.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.80%	
50) Toluene-d8	7.57	98	248078	48.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	10.31	95	86706	49.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.58%	

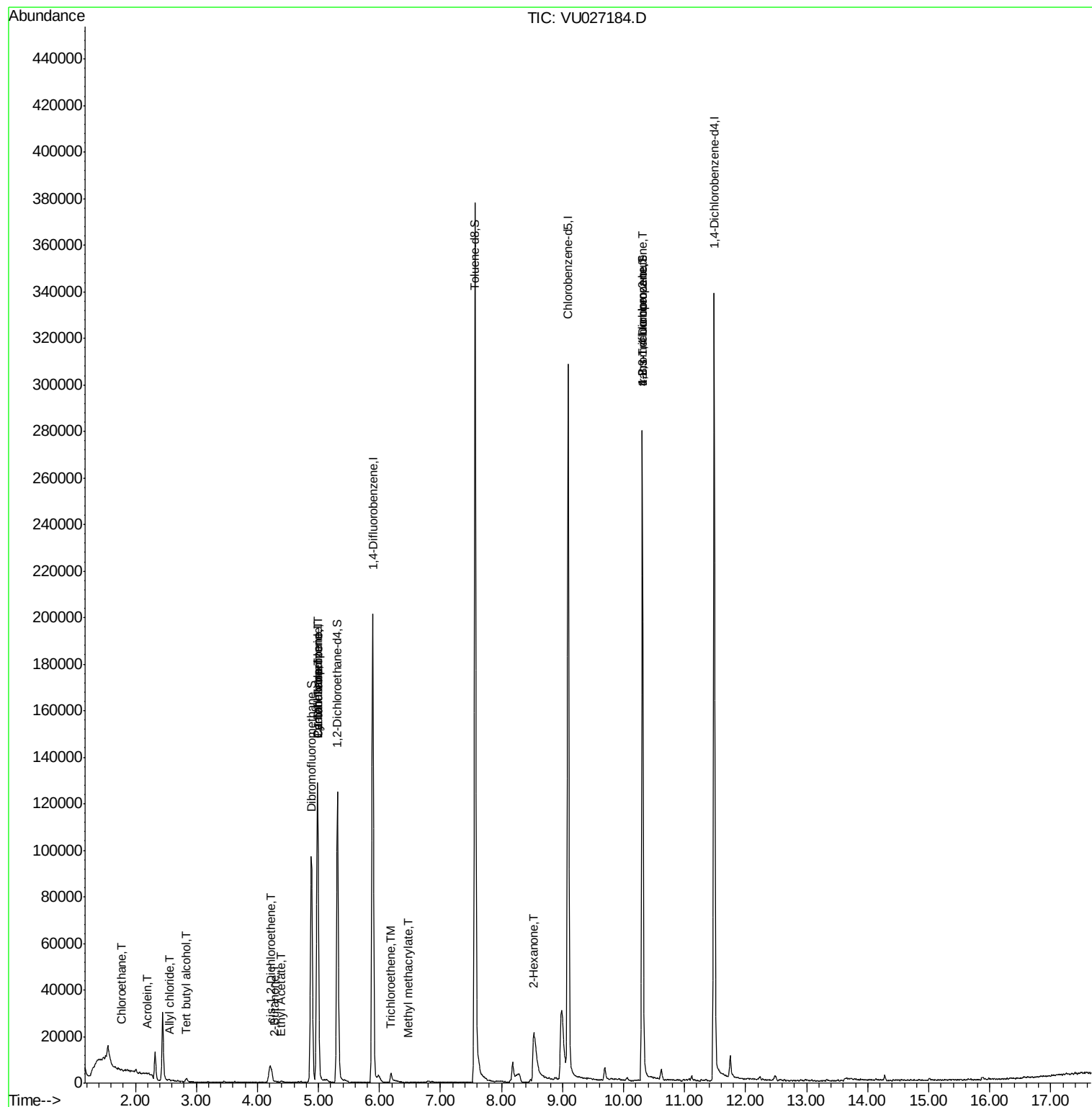
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.77	64	300	0.249	ug/l #	43
11) Tert butyl alcohol	2.84	59	1431	3.450	ug/l #	72
13) Acrolein	2.20	56	88	0.394	ug/l #	14
14) Allyl chloride	2.56	41	553	0.220	ug/l #	23
16) Acetone	2.32	43	12451	Below Cal		93
25) 2-Butanone	4.29	43	763	0.502	ug/l #	53
27) cis-1,2-Dichloroethene	4.23	96	2273	1.518	ug/l	78
31) Cyclohexane	4.98	56	2508	0.359	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8719	4.253	ug/l #	49
37) Ethyl Acetate	4.39	43	1552	0.559	ug/l #	70
38) Carbon Tetrachloride	4.99	117	9103	4.665	ug/l #	18
44) Trichloroethene	6.19	130	358	0.270	ug/l	91
48) Methyl methacrylate	6.47	41	19	1.020	ug/l #	17
59) 2-Hexanone	8.53	43	29363	13.779	ug/l #	26
76) 1,2,3-Trichloropropane	10.31	75	46864	20.209	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	46864	64.674	ug/l #	100

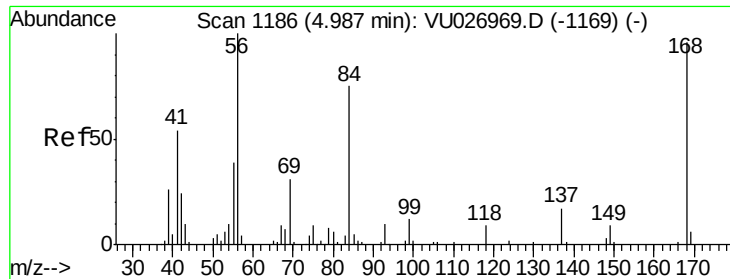
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027184.D

Acq: 26 Sep 2018 17:47

Instrument :

MSVOA_U

ClientSampleId :

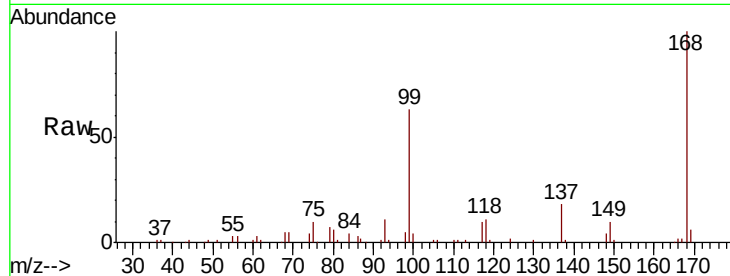
MW-19-092018

Tgt Ion:168 Resp: 89916

Ion Ratio Lower Upper

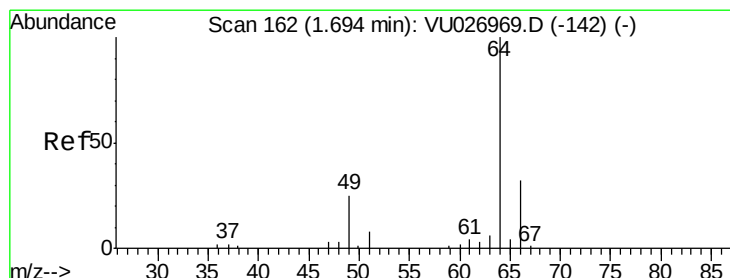
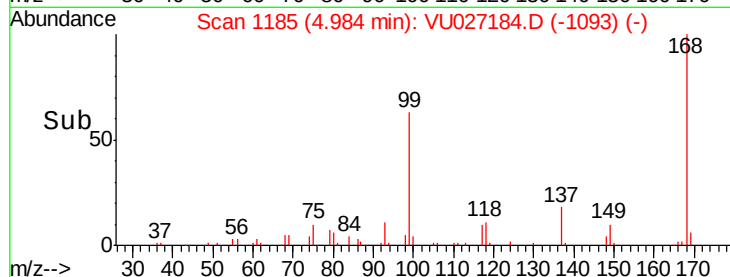
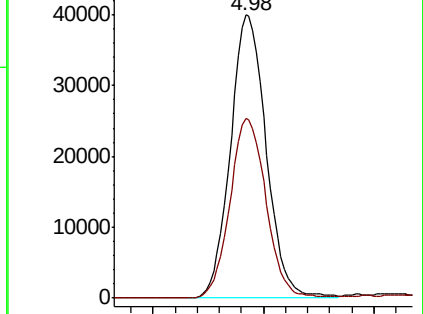
168 100

99 63.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)



#6

Chloroethane

Concen: 0.249 ug/l

RT: 1.77 min Scan# 187

Delta R.T. 0.08 min

Lab File: VU027184.D

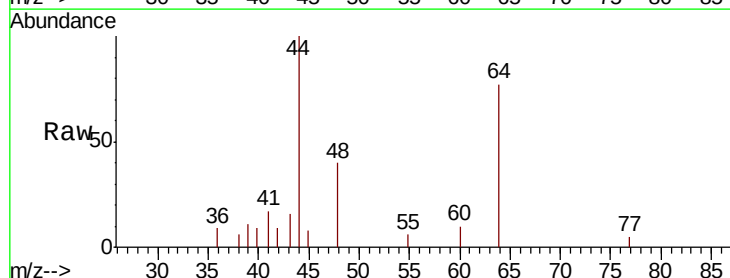
Acq: 26 Sep 2018 17:47

Tgt Ion: 64 Resp: 300

Ion Ratio Lower Upper

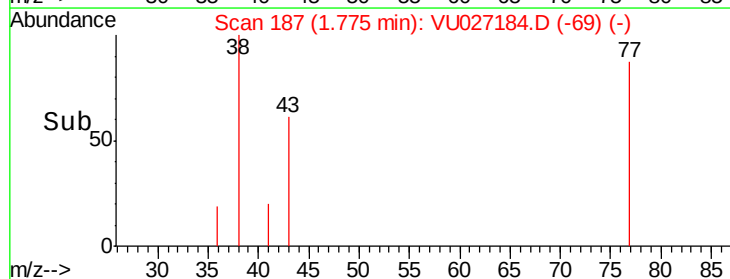
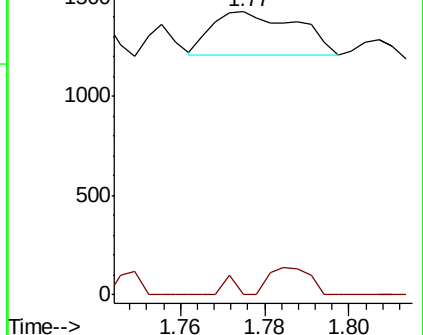
64 100

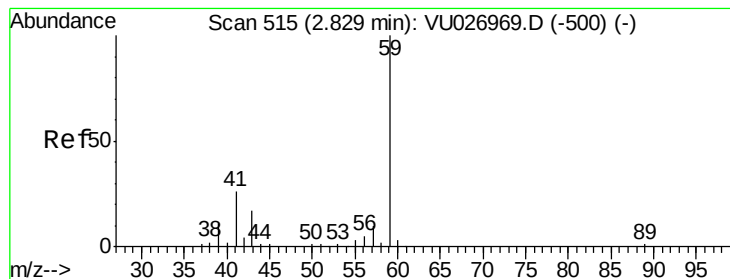
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)



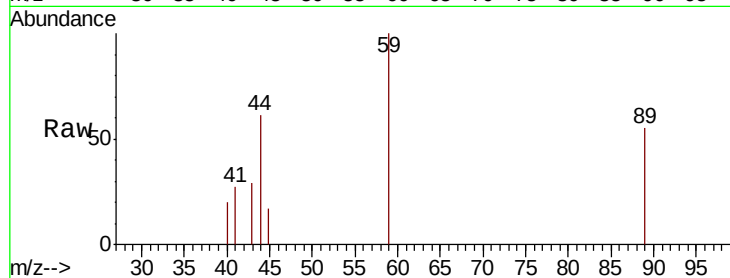


#11

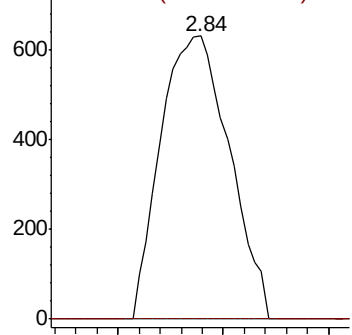
Tert butyl alcohol
 Concen: 3.450 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU027184.D
 Acq: 26 Sep 2018 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018

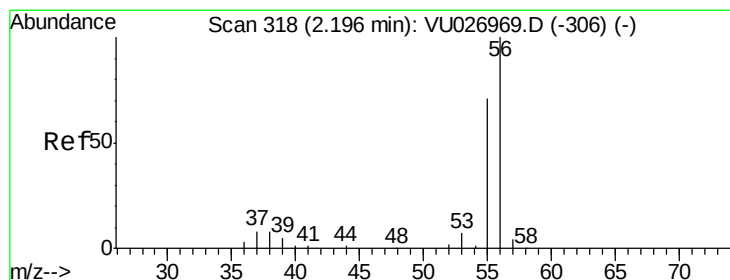
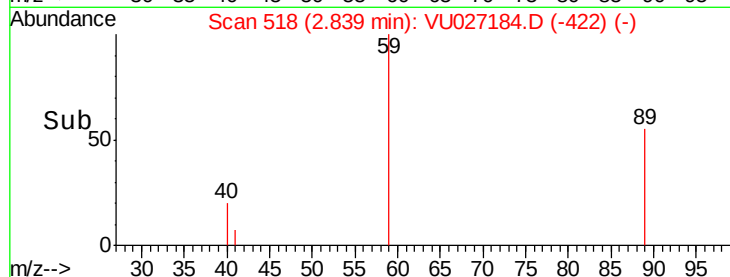
Tgt Ion: 59 Resp: 1431
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



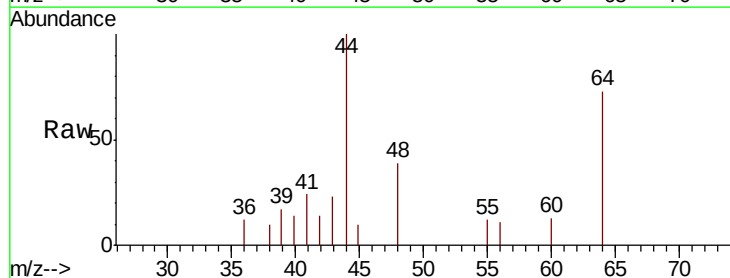
Time-->



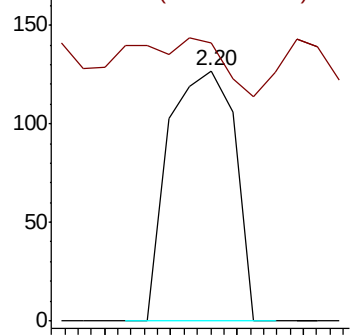
#13

Acrolein
 Concen: 0.394 ug/l
 RT: 2.20 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VU027184.D
 Acq: 26 Sep 2018 17:47

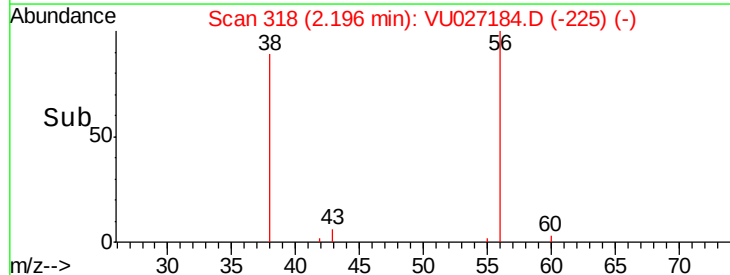
Tgt Ion: 56 Resp: 88
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.1 85.7#

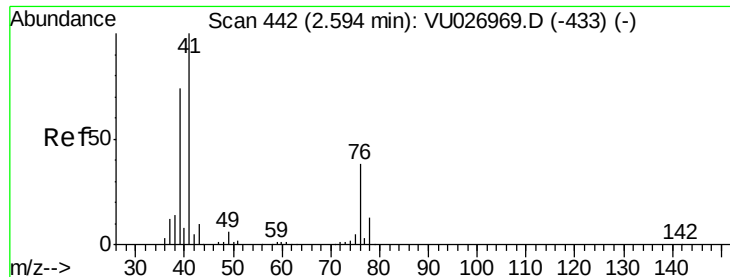


Abundance Ion 56.00 (55.70 to 56.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0



Time-->

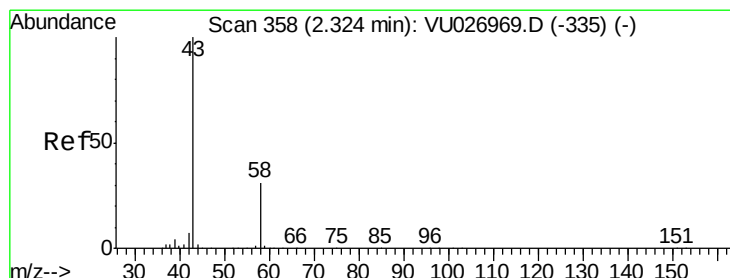
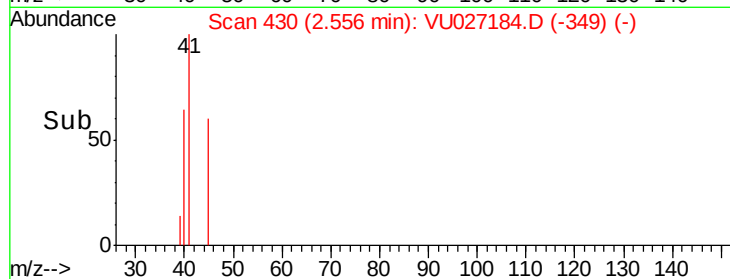
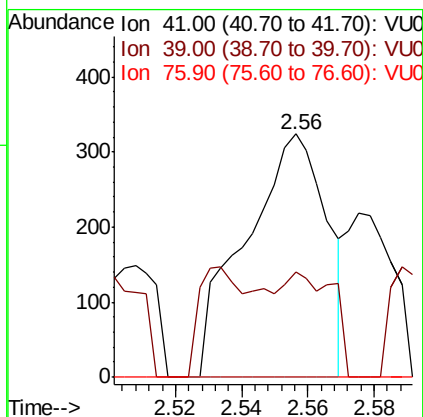
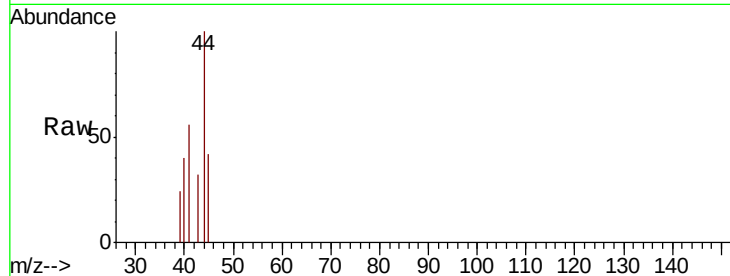




#14
 Allyl chloride
 Concen: 0.220 ug/l
 RT: 2.56 min Scan# 430
 Delta R.T. -0.04 min
 Lab File: VU027184.D
 Acq: 26 Sep 2018 17:47

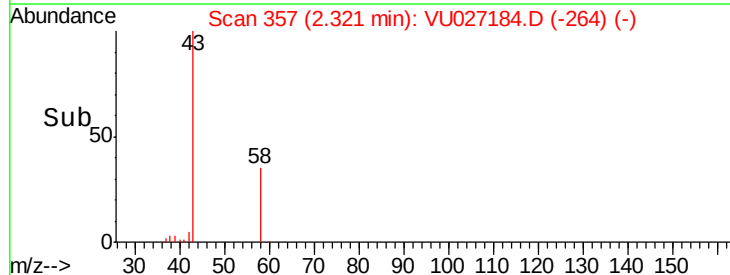
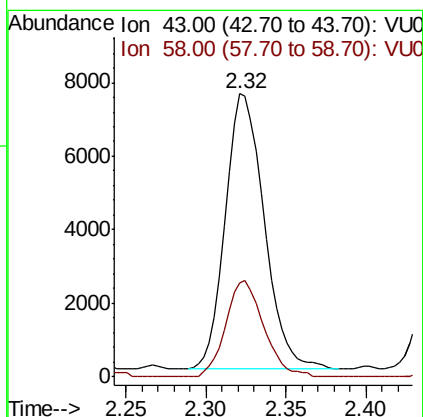
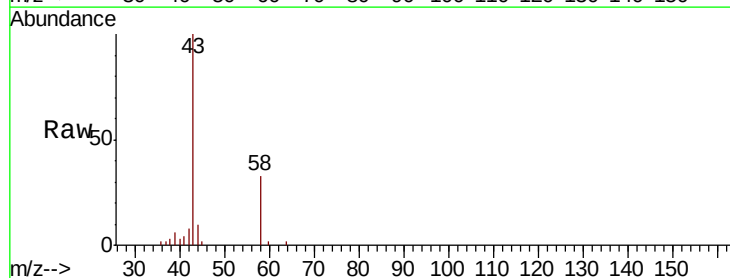
Instrument :
 MSVOA_U
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 MW-19-092018

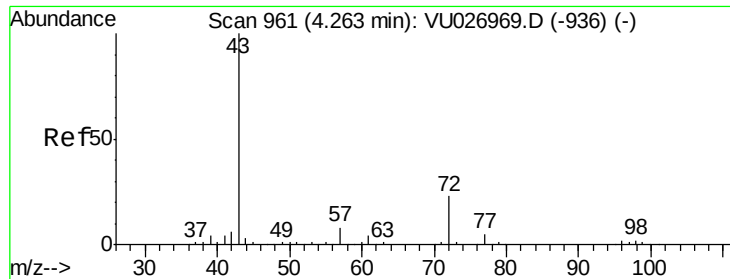
Tgt Ion: 41 Resp: 553
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.7 83.5#
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027184.D
 Acq: 26 Sep 2018 17:47

Tgt Ion: 43 Resp: 12451
 Ion Ratio Lower Upper
 43 100
 58 34.3 24.6 36.8





#25

2-Butanone

Concen: 0.502 ug/l

RT: 4.29 min Scan# 969

Delta R.T. 0.03 min

Lab File: VU027184.D

Acq: 26 Sep 2018 17:47

Instrument :

MSVOA_U

ClientSampleId :

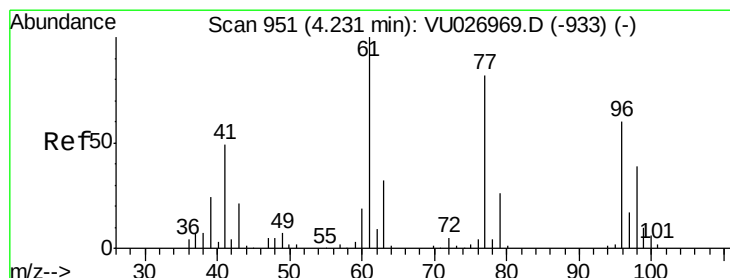
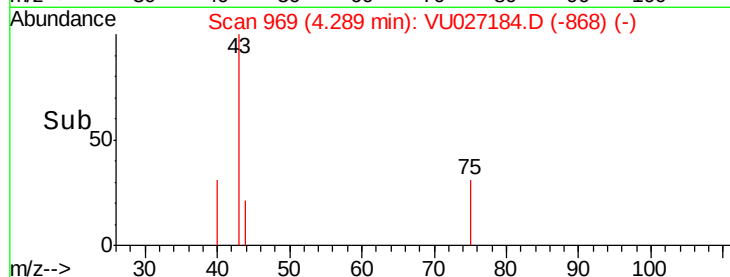
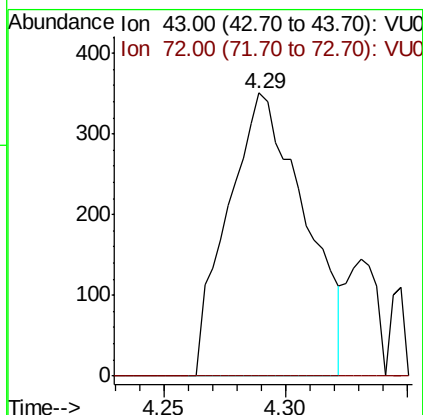
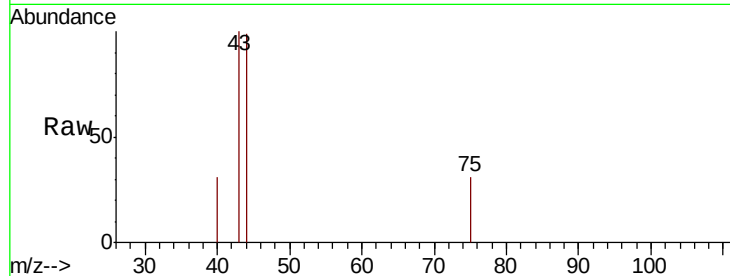
MW-19-092018

Tgt Ion: 43 Resp: 763

Ion Ratio Lower Upper

43 100

72 0.0 18.4 27.6#



#27

cis-1,2-Dichloroethene

Concen: 1.518 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027184.D

Acq: 26 Sep 2018 17:47

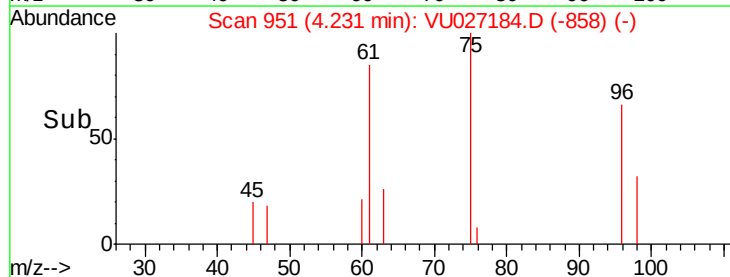
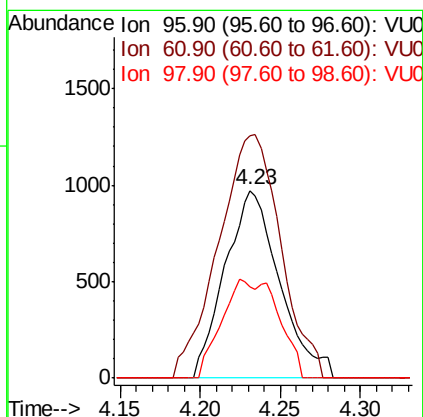
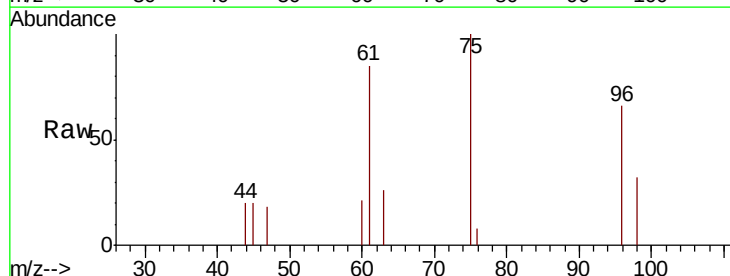
Tgt Ion: 96 Resp: 2273

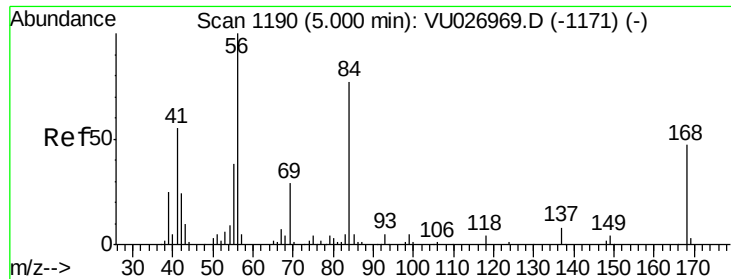
Ion Ratio Lower Upper

96 100

61 148.0 0.0 337.2

98 32.8 0.0 127.6

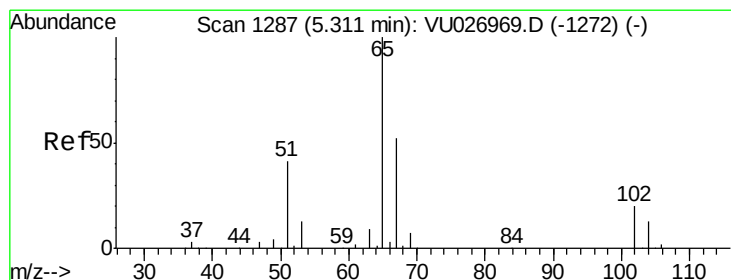
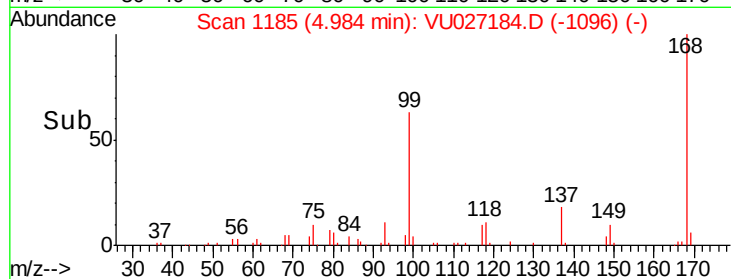
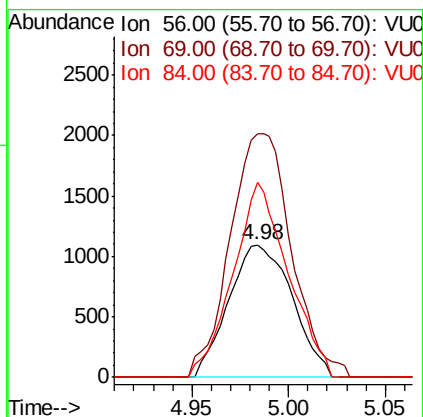
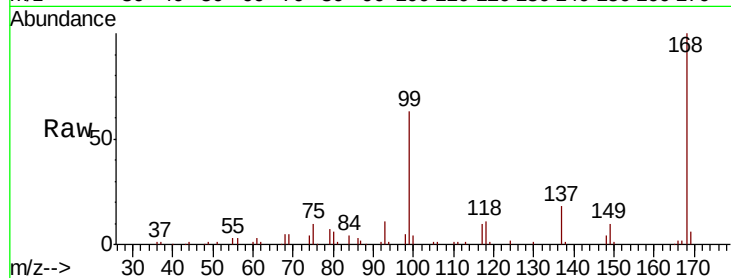




#31
Cyclohexane
Concen: 0.359 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027184.D
Acq: 26 Sep 2018 17:47

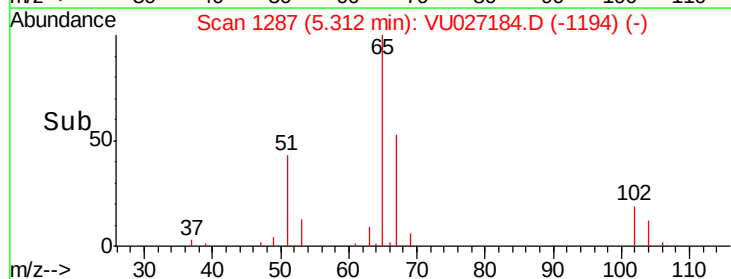
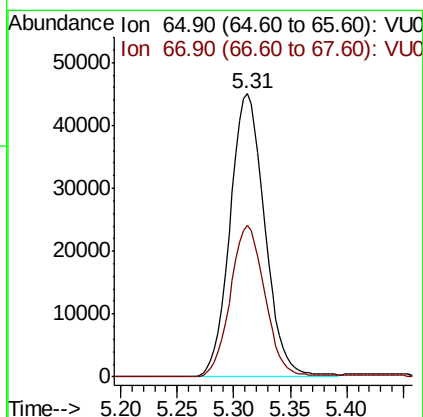
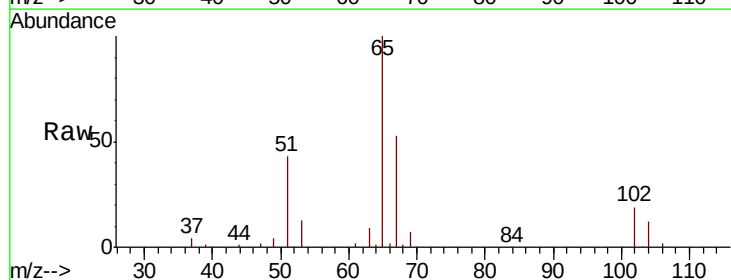
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ClientSampleId :
MW-19-092018

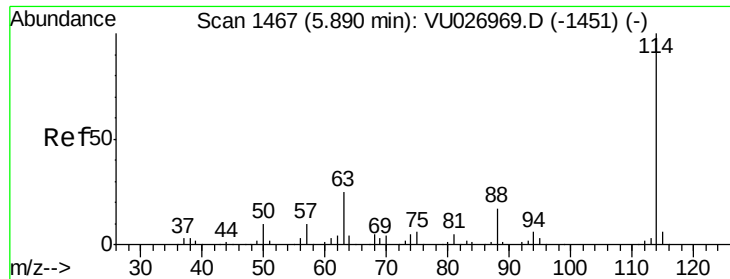
Tgt Ion: 56 Resp: 2508
Ion Ratio Lower Upper
56 100
69 183.6 23.0 34.4#
84 146.8 61.4 92.2#



#33
1,2-Dichloroethane-d4
Concen: 53.249 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027184.D
Acq: 26 Sep 2018 17:47

Tgt Ion: 65 Resp: 96365
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6

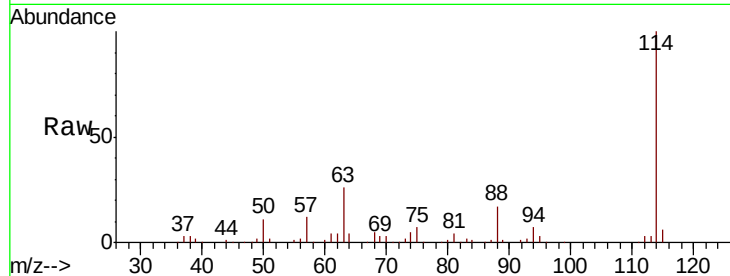




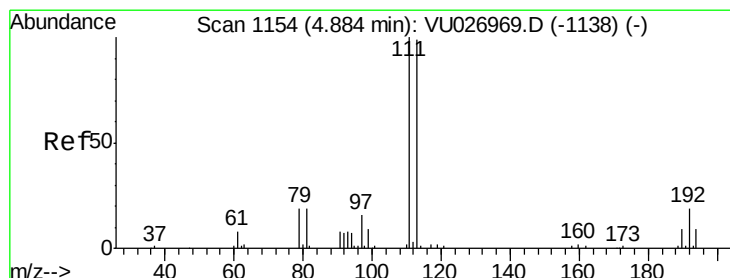
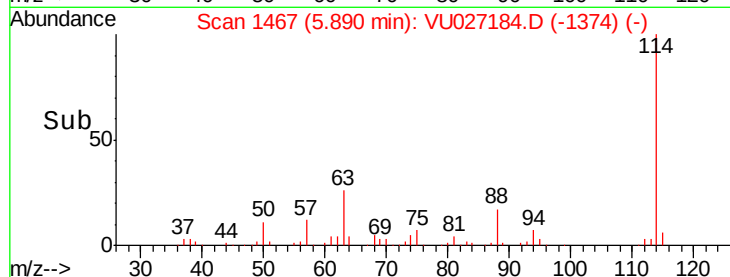
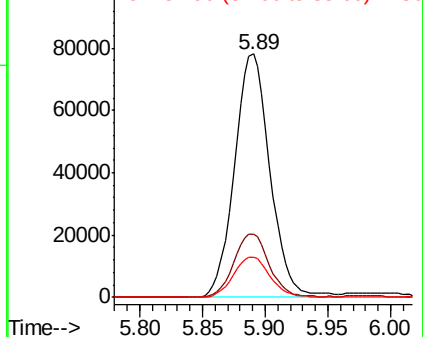
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027184.D
 Acq: 26 Sep 2018 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018

Tgt Ion:114 Resp: 153625
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 49.2
 88 16.7 0.0 33.8

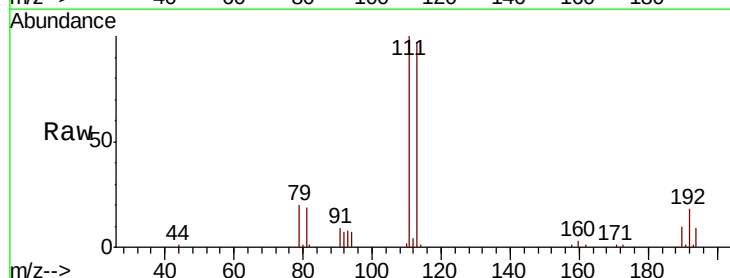


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

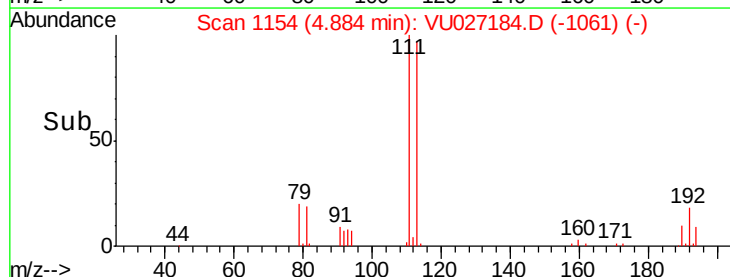
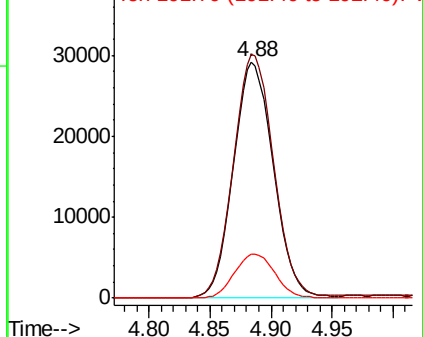


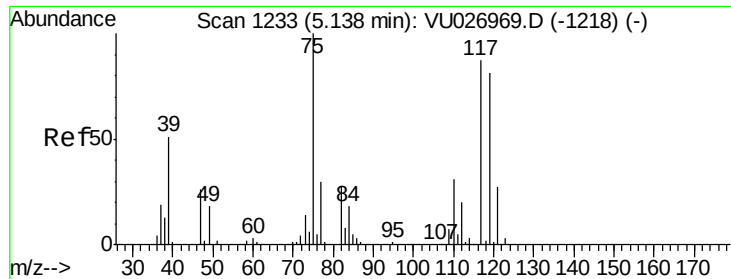
#35
 Dibromofluoromethane
 Concen: 49.896 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027184.D
 Acq: 26 Sep 2018 17:47

Tgt Ion:113 Resp: 66443
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.2 123.4
 192 18.9 15.2 22.8



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

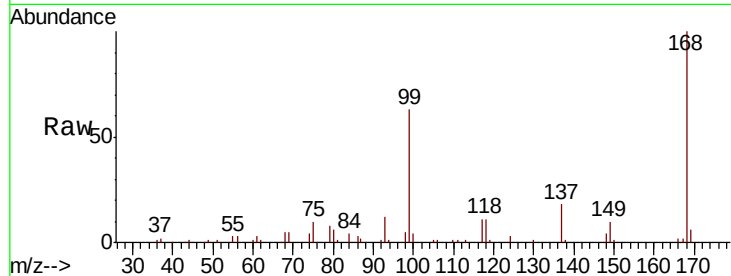




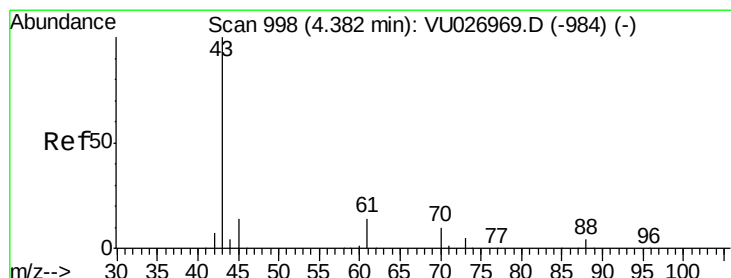
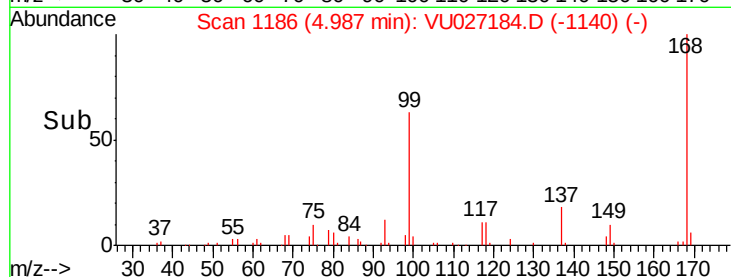
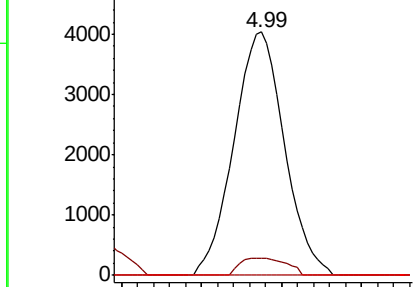
#36
 1,1-Dichloropropene
 Concen: 4.253 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027184.D
 Acq: 26 Sep 2018 17:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-19-092018

Tgt Ion: 75 Resp: 8719
 Ion Ratio Lower Upper
 75 100
 110 6.4 16.1 48.2#
 77 0.0 24.6 36.8#

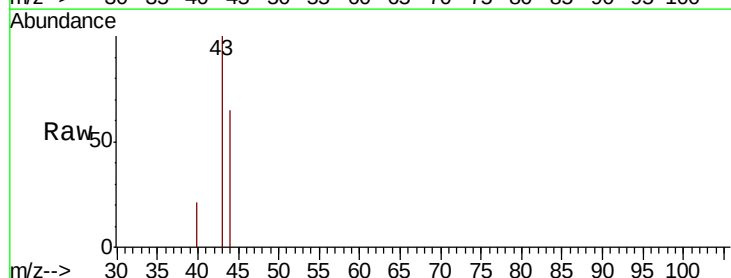


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): VU0
 Ion 76.90 (76.60 to 77.60): VU0

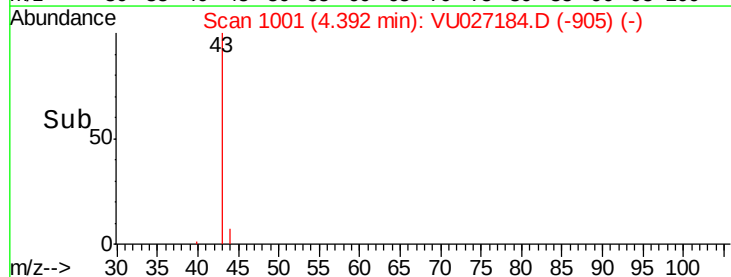
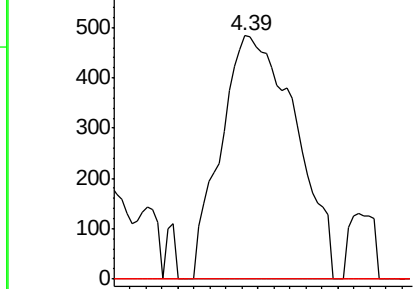


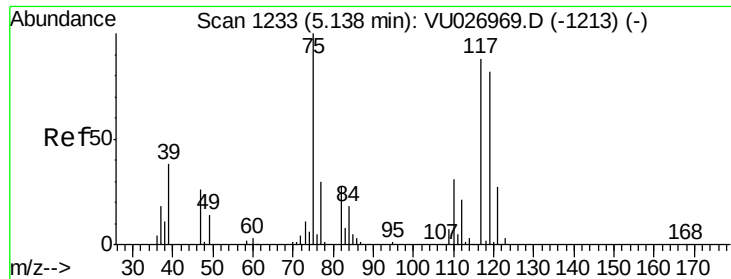
#37
 Ethyl Acetate
 Concen: 0.559 ug/l
 RT: 4.39 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VU027184.D
 Acq: 26 Sep 2018 17:47

Tgt Ion: 43 Resp: 1552
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.5 15.7#
 70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0





#38

Carbon Tetrachloride

Concen: 4.665 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027184.D

Acq: 26 Sep 2018 17:47

Instrument :

MSVOA_U

ClientSampleId :

MW-19-092018

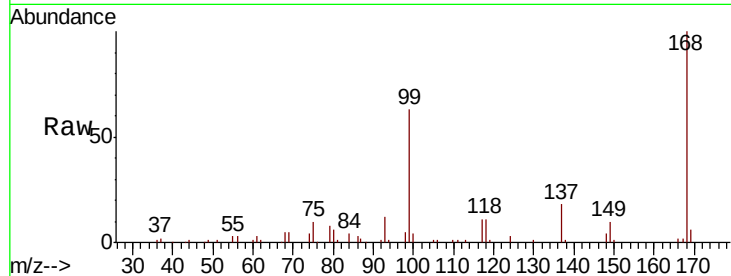
Tgt Ion:117 Resp: 9103

Ion Ratio Lower Upper

117 100

119 6.7 74.4 111.6#

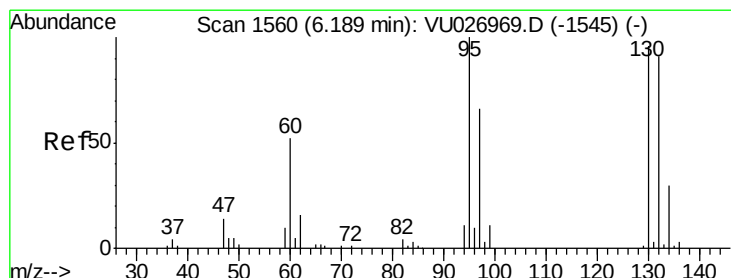
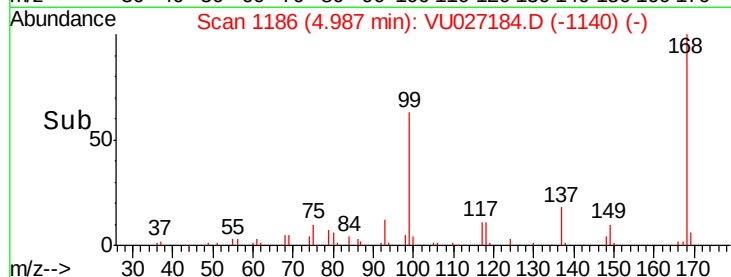
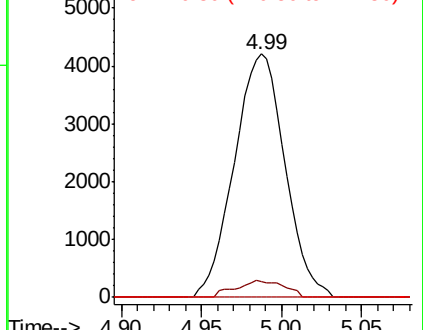
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 0.270 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027184.D

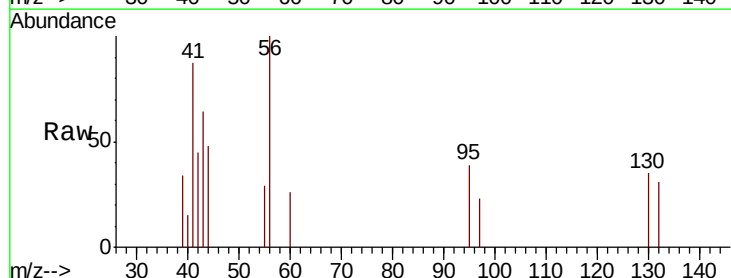
Acq: 26 Sep 2018 17:47

Tgt Ion:130 Resp: 358

Ion Ratio Lower Upper

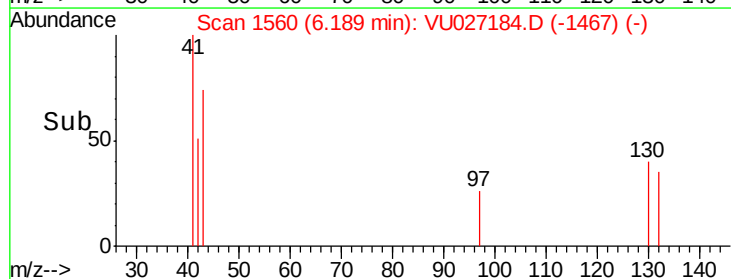
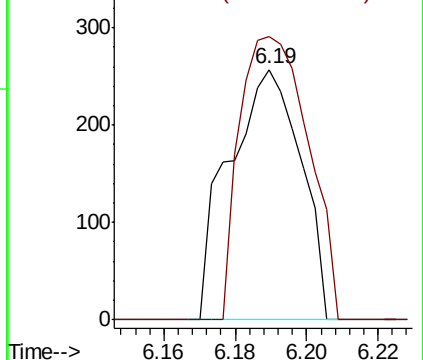
130 100

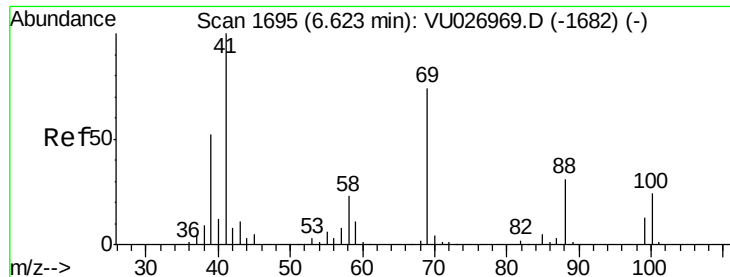
95 113.2 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

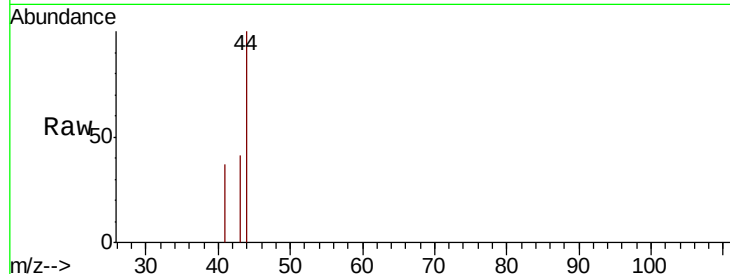




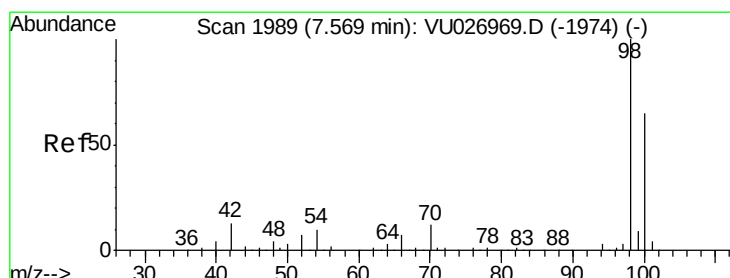
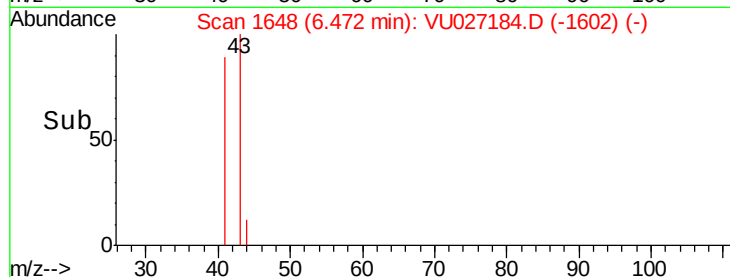
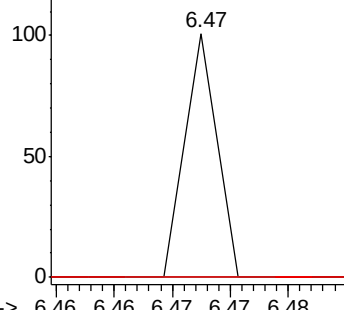
#48
Methyl methacrylate
Concen: 1.020 ug/l
RT: 6.47 min Scan# 1648
Delta R.T. -0.15 min
Lab File: VU027184.D
Acq: 26 Sep 2018 17:47

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018

Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 60.6 90.8#
39 0.0 42.8 64.2#

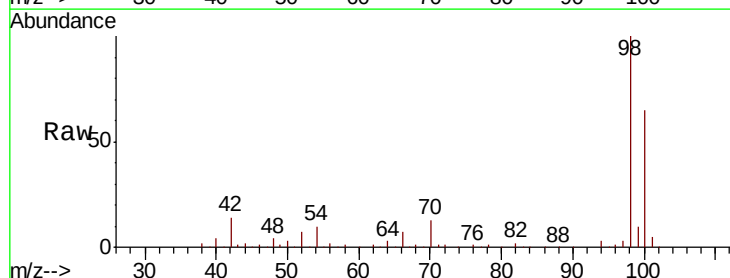


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

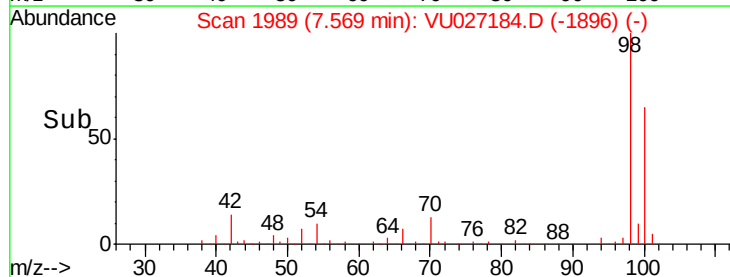
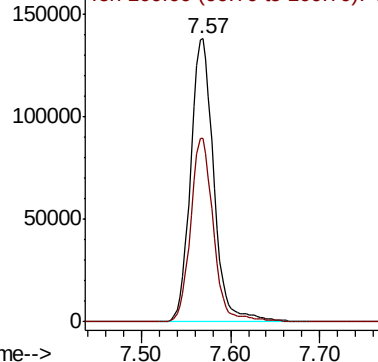


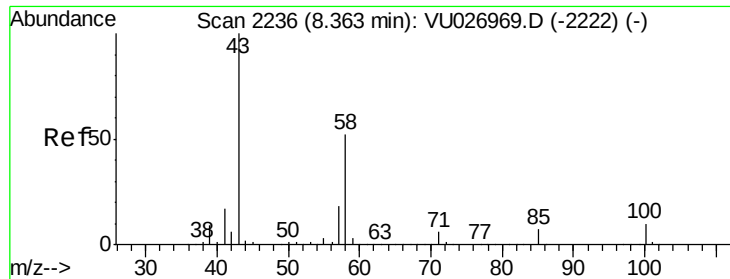
#50
Toluene-d8
Concen: 48.884 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027184.D
Acq: 26 Sep 2018 17:47

Tgt Ion: 98 Resp: 248078
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

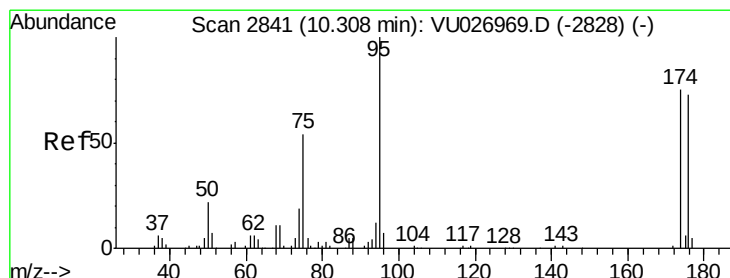
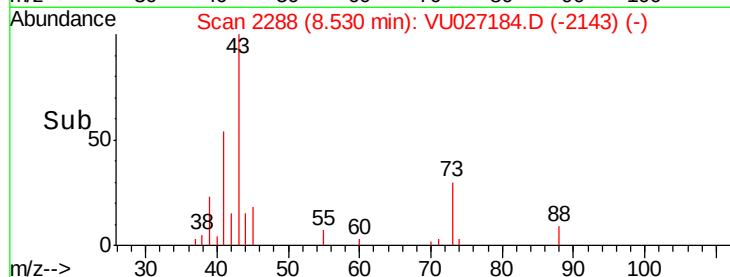
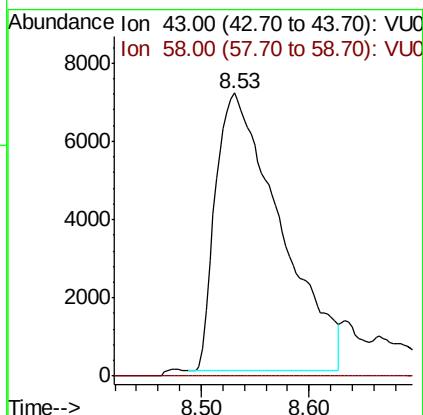
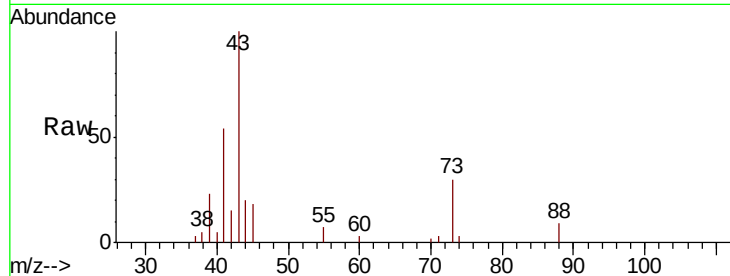




#59
2-Hexanone
Concen: 13.779 ug/l
RT: 8.53 min Scan# 2288
Delta R.T. 0.17 min
Lab File: VU027184.D
Acq: 26 Sep 2018 17:47

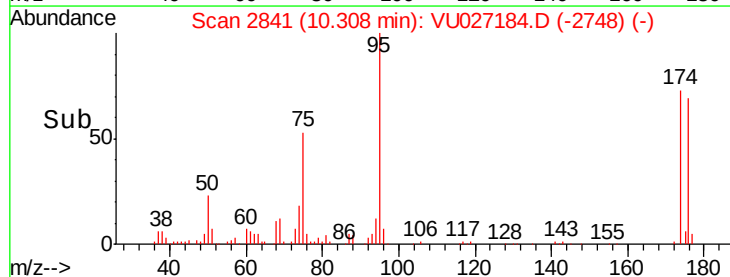
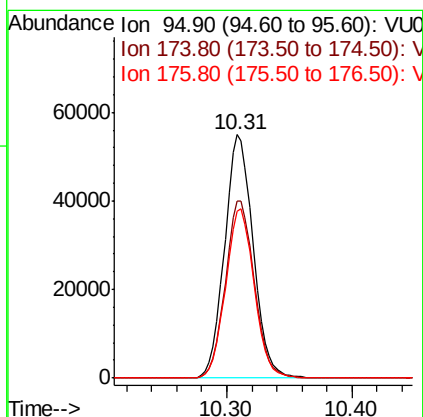
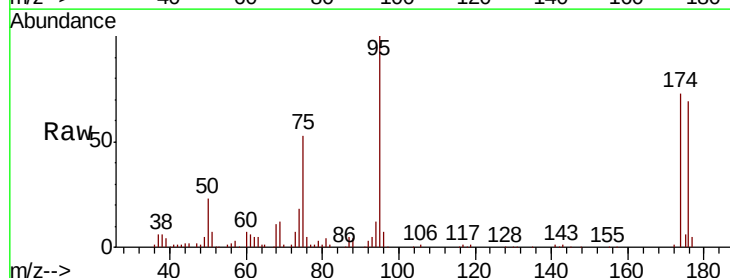
Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018

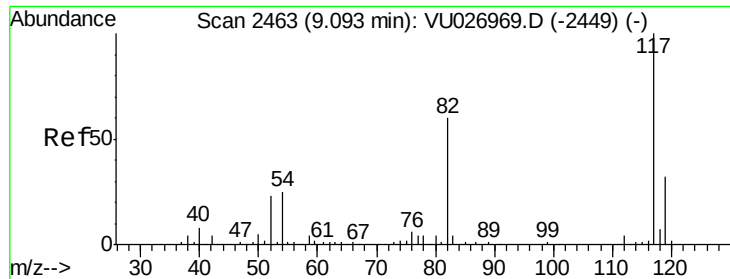
Tgt Ion: 43 Resp: 29363
Ion Ratio Lower Upper
43 100
58 0.0 26.1 78.2#



#62
4-Bromofluorobenzene
Concen: 49.792 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027184.D
Acq: 26 Sep 2018 17:47

Tgt Ion: 95 Resp: 86706
Ion Ratio Lower Upper
95 100
174 74.0 0.0 150.2
176 69.7 0.0 145.2

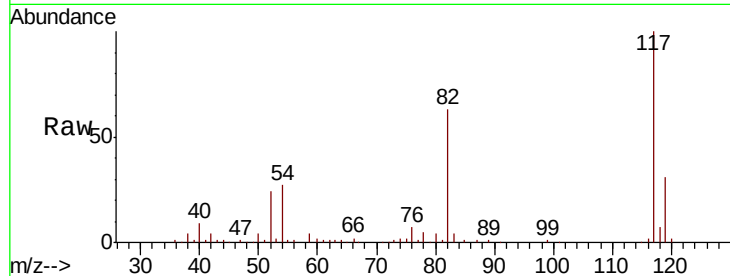




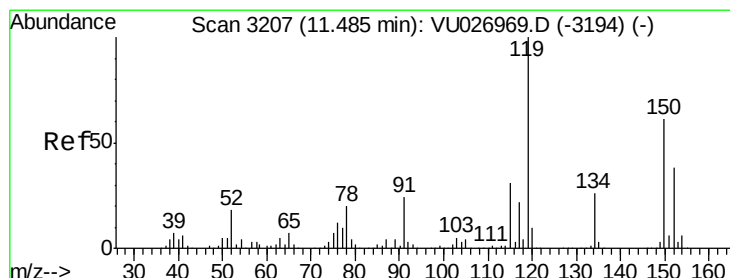
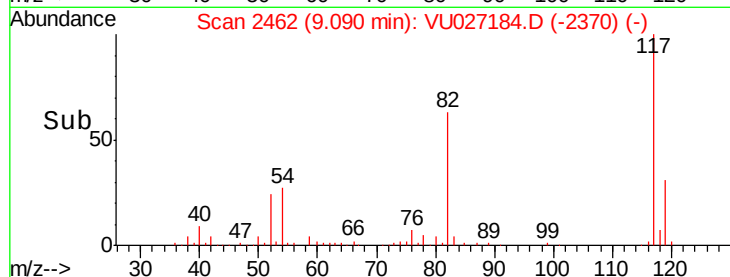
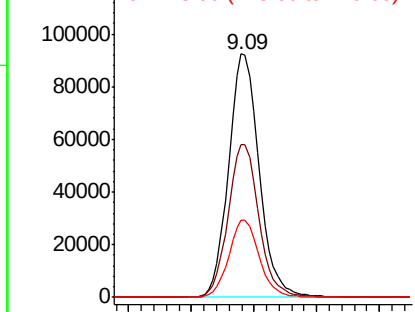
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027184.D
Acq: 26 Sep 2018 17:47

Instrument :
MSVOA_U
ClientSampleId :
MW-19-092018

Tgt Ion:117 Resp: 156465
Ion Ratio Lower Upper
117 100
82 62.9 48.0 72.0
119 31.5 25.8 38.8

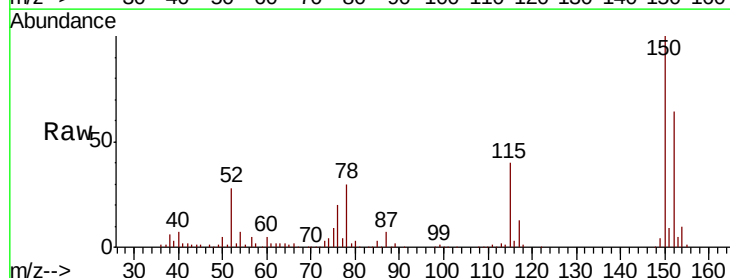


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

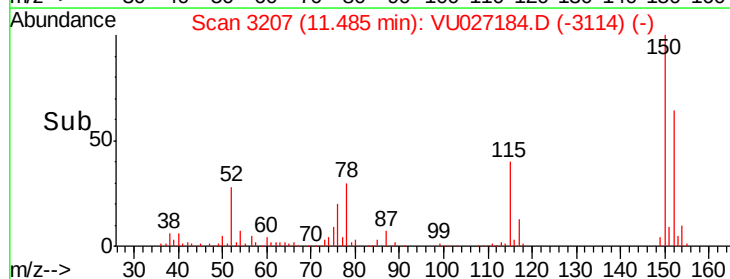
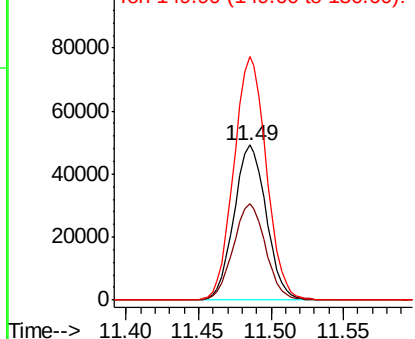


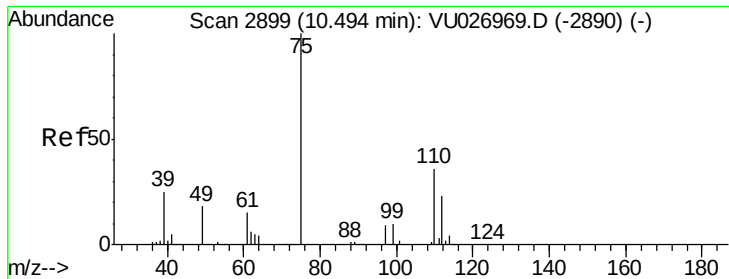
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027184.D
Acq: 26 Sep 2018 17:47

Tgt Ion:152 Resp: 76331
Ion Ratio Lower Upper
152 100
115 62.1 44.9 134.5
150 157.7 0.0 355.8



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: 20.209 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027184.D

Acq: 26 Sep 2018 17:47

Instrument :

MSVOA_U

ClientSampleId :

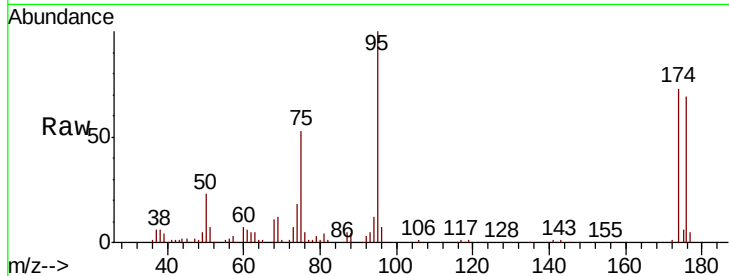
MW-19-092018

Tgt Ion: 75 Resp: 46864

Ion Ratio Lower Upper

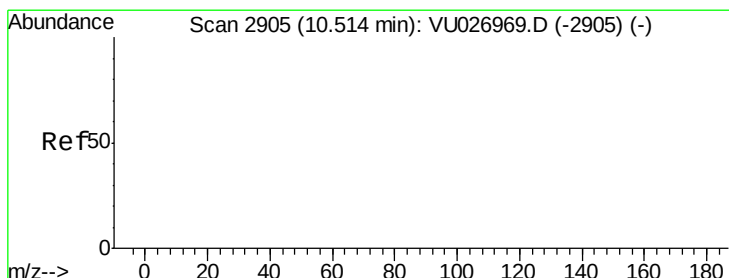
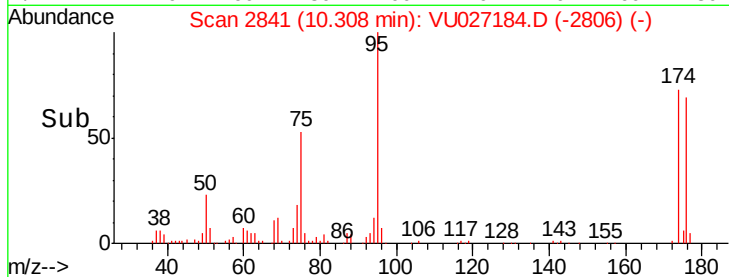
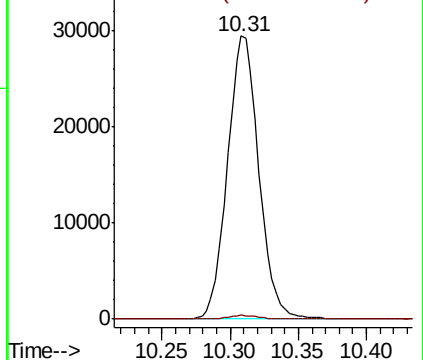
75 100

77 1.1 20.9 62.8#



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: 64.674 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027184.D

Acq: 26 Sep 2018 17:47

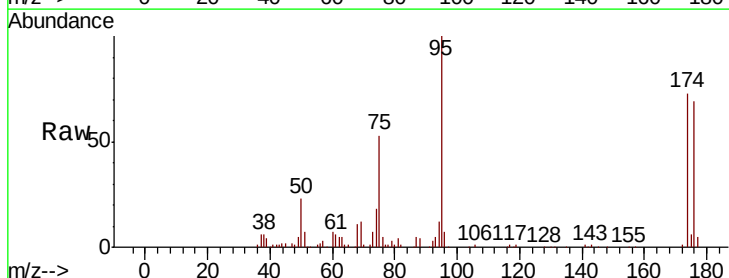
Tgt Ion: 75 Resp: 46864

Ion Ratio Lower Upper

75 100

53 0.6 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

