

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027179.D
 Acq On : 26 Sep 2018 15:50
 Operator : MD/SY
 Sample : J5049-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-55-SEP18

Quant Time: Sep 27 01:07:29 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	4.99	168	91949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	155403	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	154163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	72652	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	98202	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
35) Dibromofluoromethane	4.88	113	67548	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
50) Toluene-d8	7.57	98	250892	48.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	10.31	95	84999	48.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.50%	

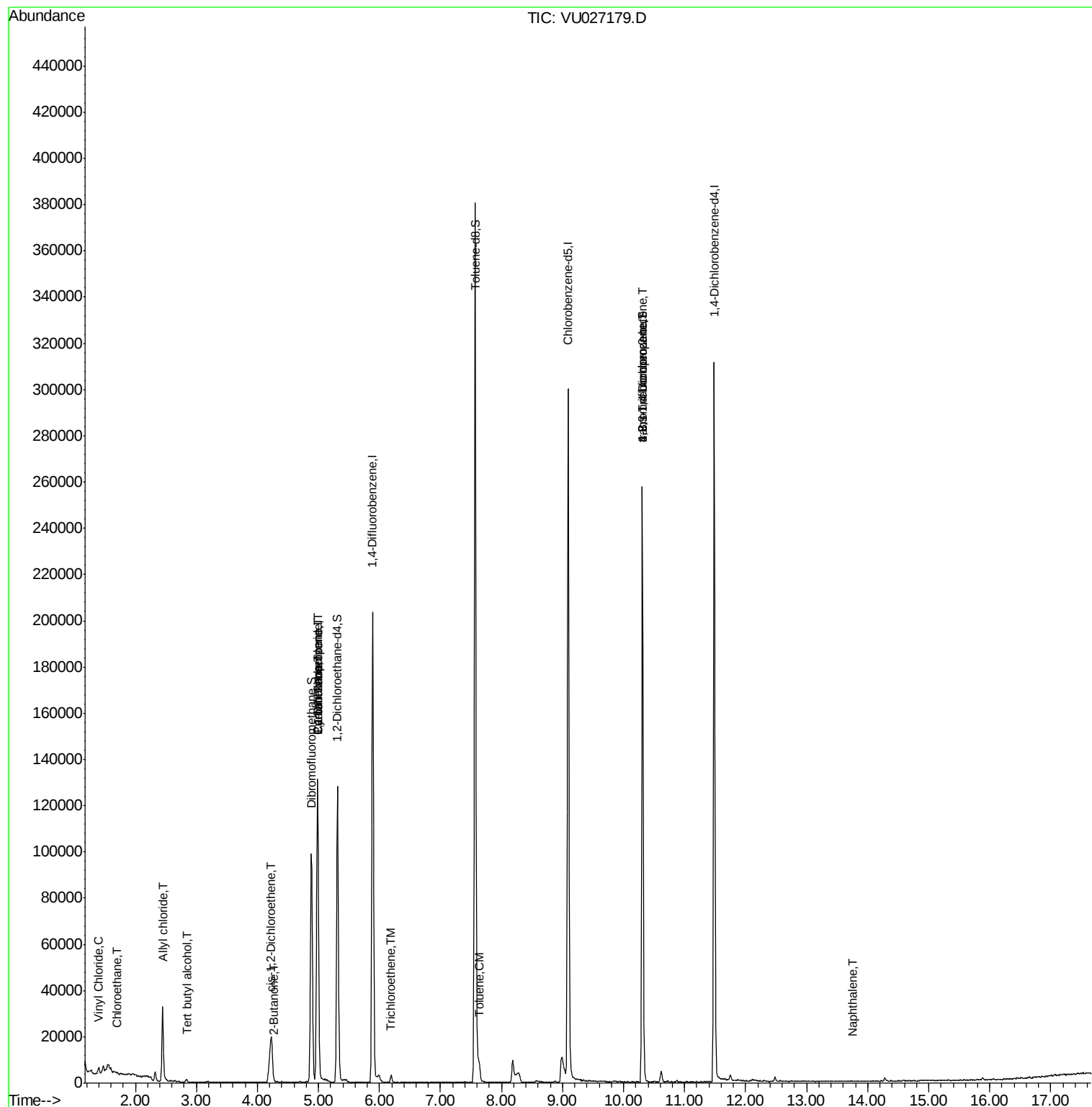
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1575	0.815	ug/l #	85
6) Chloroethane	1.70	64	317	0.257	ug/l #	43
11) Tert butyl alcohol	2.84	59	929	2.190	ug/l #	72
14) Allyl chloride	2.45	41	3645	1.415	ug/l #	77
16) Acetone	2.32	43	4268	Below Cal		89
25) 2-Butanone	4.28	43	488	0.314	ug/l #	53
27) cis-1,2-Dichloroethene	4.23	96	9456	6.175	ug/l	88
31) Cyclohexane	4.99	56	2350	0.280	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8521	4.108	ug/l #	48
38) Carbon Tetrachloride	4.99	117	9526	4.826	ug/l #	19
44) Trichloroethene	6.19	130	1240	0.924	ug/l	90
52) Toluene	7.64	92	1223	0.338	ug/l	84
76) 1,2,3-Trichloropropane	10.31	75	46161	20.914	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	46161	66.930	ug/l #	100
95) Naphthalene	13.76	128	139	1.711	ug/l #	69

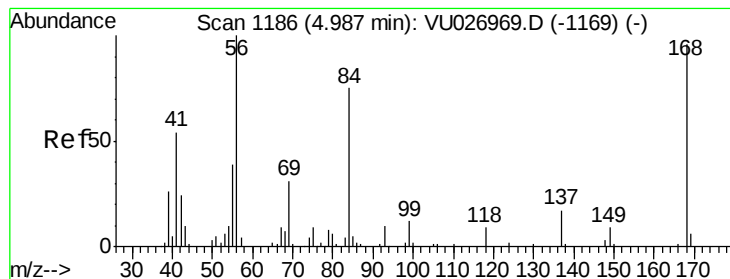
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027179.D

Acq: 26 Sep 2018 15:50

Instrument :

MSVOA_U

ClientSampleId :

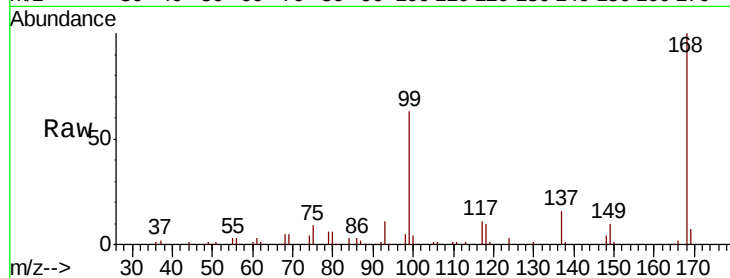
MW-55-SEP18

Tgt Ion:168 Resp: 91949

Ion Ratio Lower Upper

168 100

99 63.4 48.1 72.1



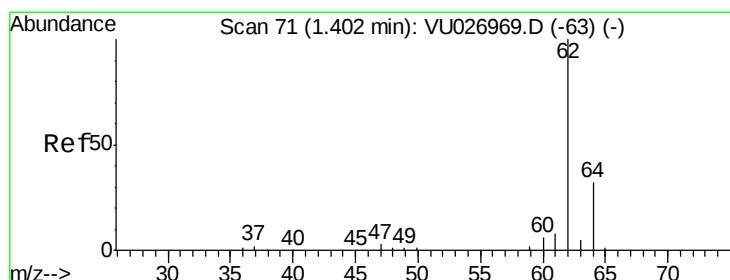
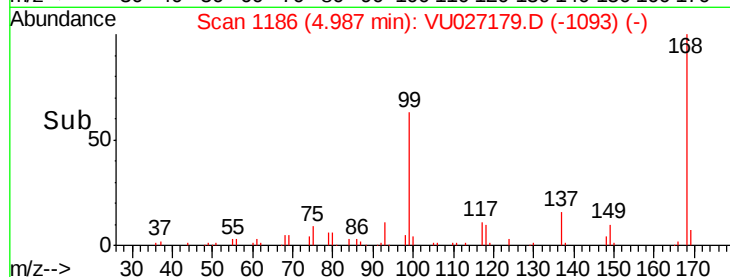
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.99

4.90 4.95 5.00 5.05 5.10

Time-->



#4

Vinyl Chloride

Concen: 0.815 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027179.D

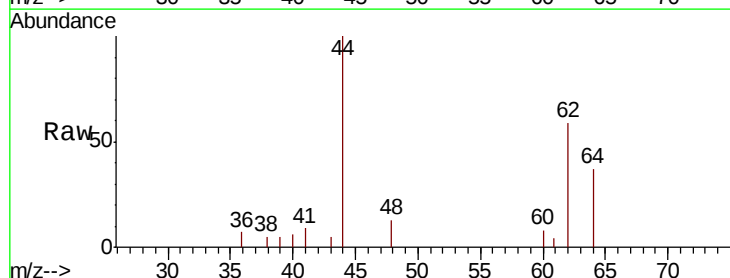
Acq: 26 Sep 2018 15:50

Tgt Ion: 62 Resp: 1575

Ion Ratio Lower Upper

62 100

64 23.4 25.5 38.3#



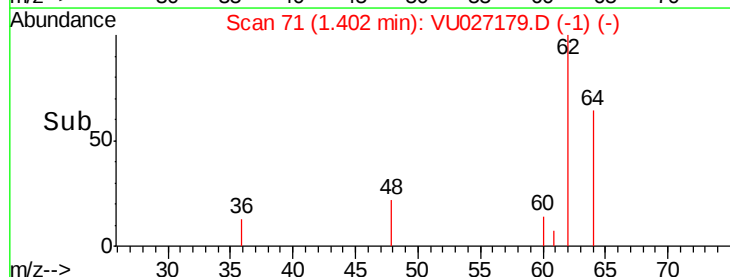
Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

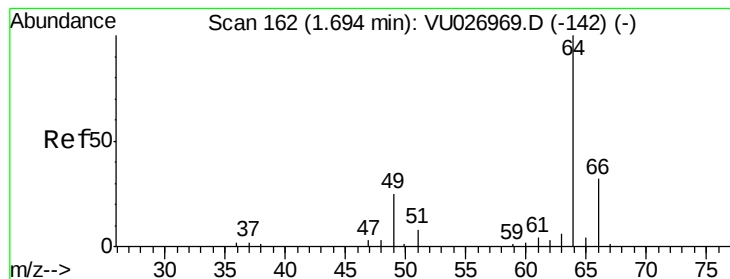
Ion 63.90 (63.60 to 64.60): VU026969.D (-63) (-)

1.40

1.38 1.40 1.42

Time-->





#6

Chloroethane

Concen: 0.257 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027179.D

Acq: 26 Sep 2018 15:50

Instrument :

MSVOA_U

ClientSampleId :

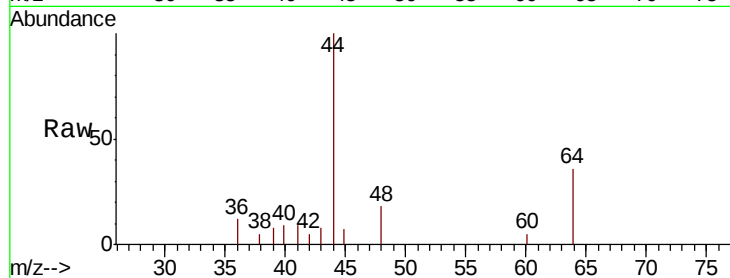
MW-55-SEP18

Tgt Ion: 64 Resp: 317

Ion Ratio Lower Upper

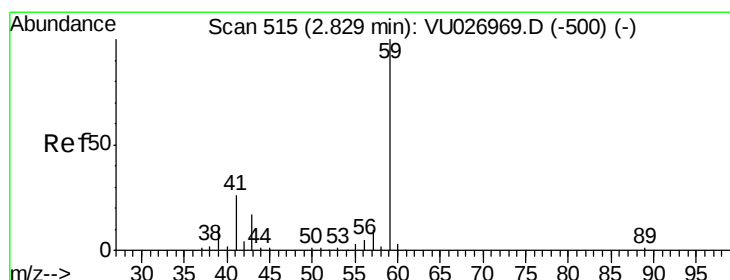
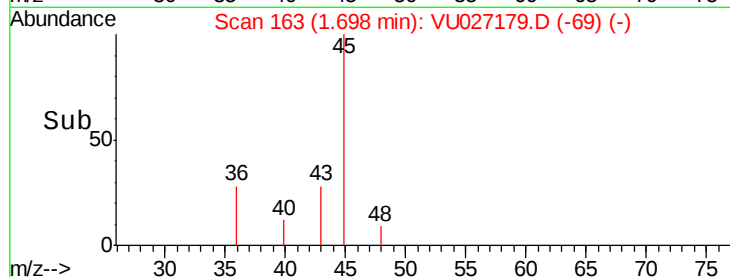
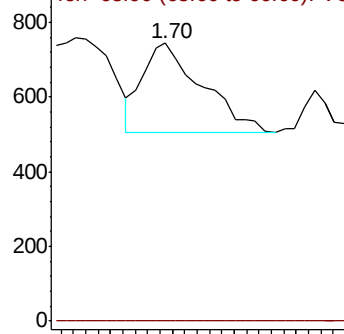
64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#11

Tert butyl alcohol

Concen: 2.190 ug/l

RT: 2.84 min Scan# 518

Delta R.T. 0.01 min

Lab File: VU027179.D

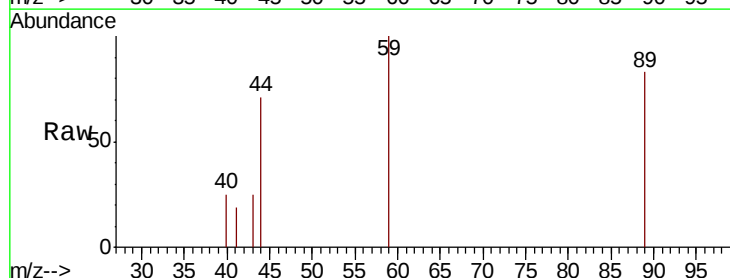
Acq: 26 Sep 2018 15:50

Tgt Ion: 59 Resp: 929

Ion Ratio Lower Upper

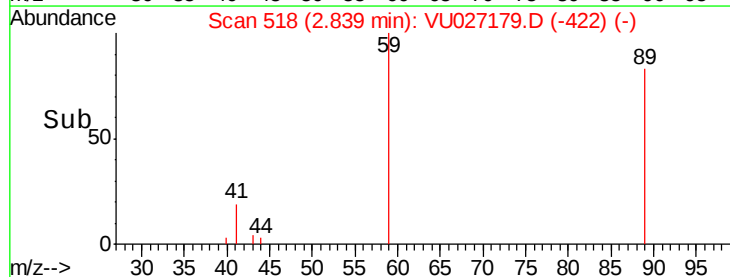
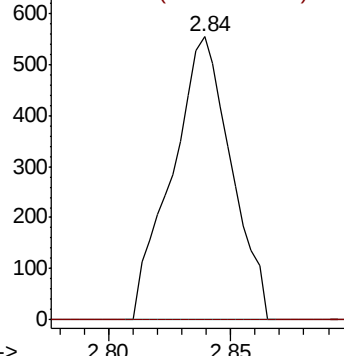
59 100

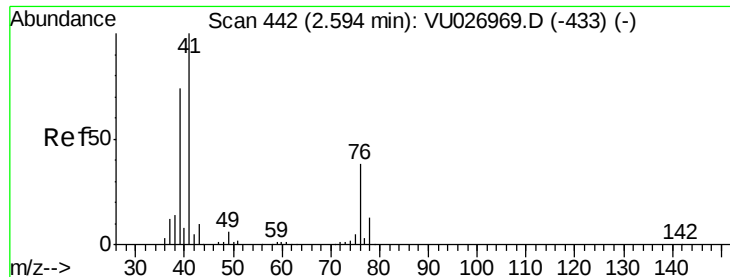
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#14

Allyl chloride

Concen: 1.415 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.15 min

Lab File: VU027179.D

Acq: 26 Sep 2018 15:50

Instrument :

MSVOA_U

ClientSampleId :

MW-55-SEP18

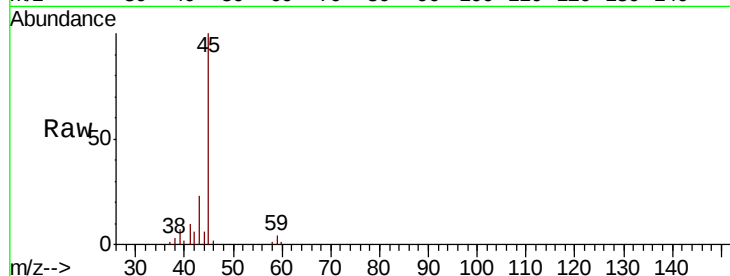
Tgt Ion: 41 Resp: 3645

Ion Ratio Lower Upper

41 100

39 74.3 55.7 83.5

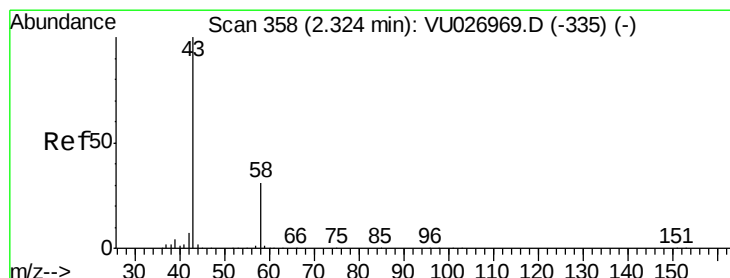
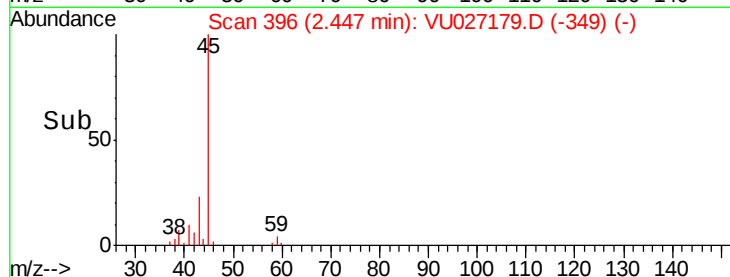
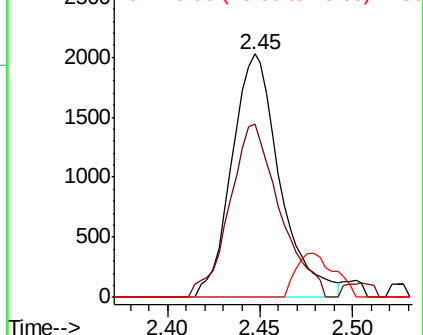
76 0.0 26.5 39.7#



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



#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027179.D

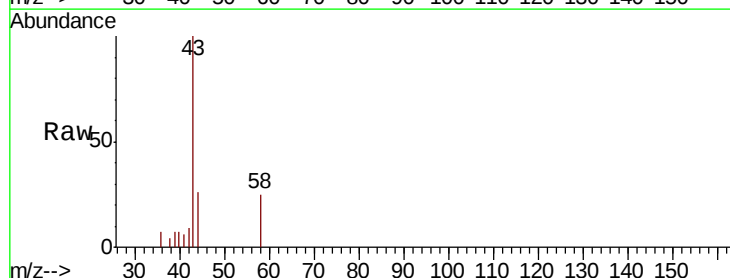
Acq: 26 Sep 2018 15:50

Tgt Ion: 43 Resp: 4268

Ion Ratio Lower Upper

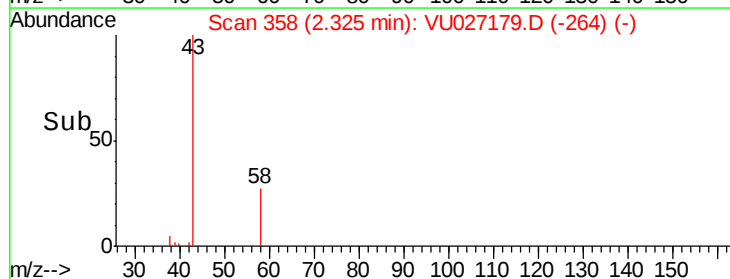
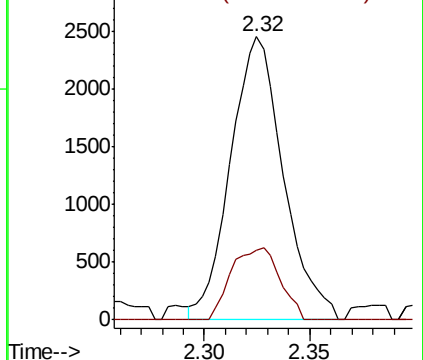
43 100

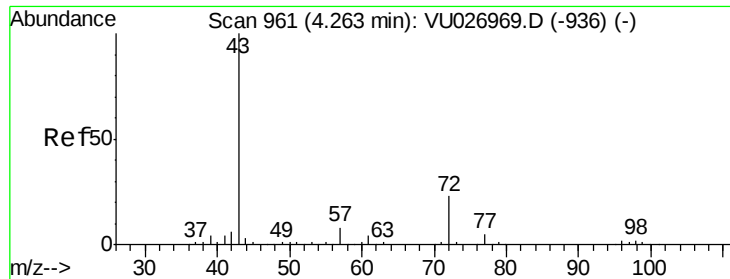
58 24.8 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#25

2-Butanone

Concen: 0.314 ug/l

RT: 4.28 min Scan# 967

Delta R.T. 0.02 min

Lab File: VU027179.D

Acq: 26 Sep 2018 15:50

Instrument :

MSVOA_U

ClientSampleId :

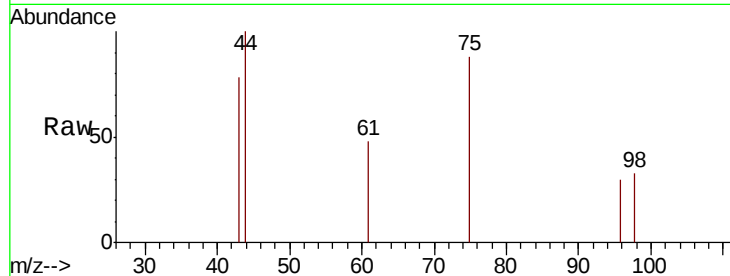
MW-55-SEP18

Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

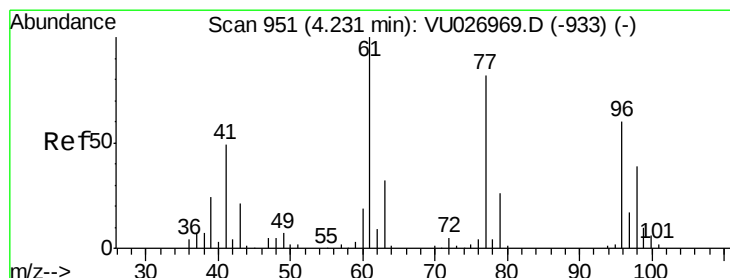
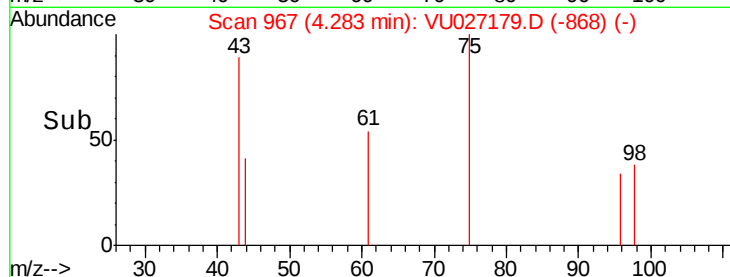
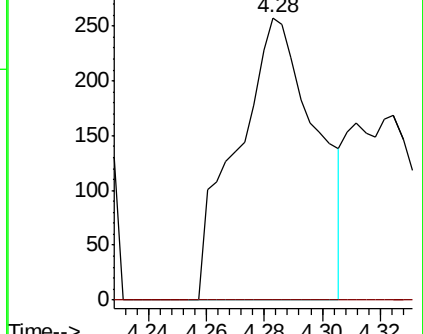
43 100

72 0.0 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 6.175 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027179.D

Acq: 26 Sep 2018 15:50

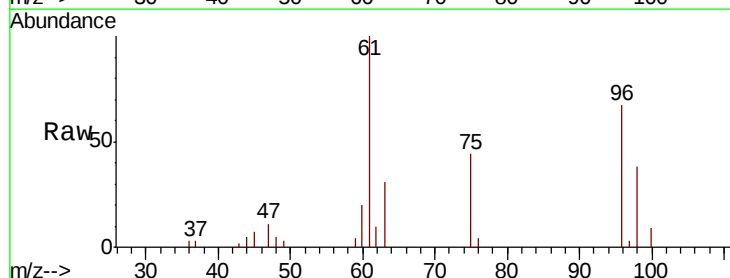
Tgt Ion: 96 Resp: 9456

Ion Ratio Lower Upper

96 100

61 148.9 0.0 337.2

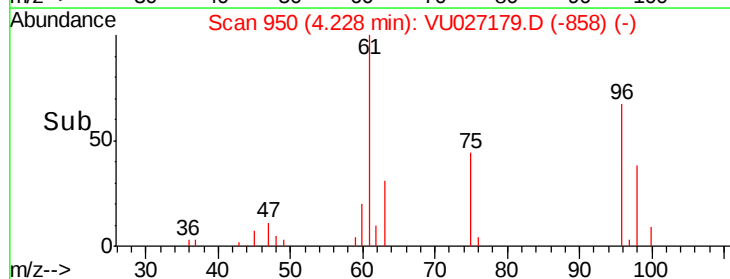
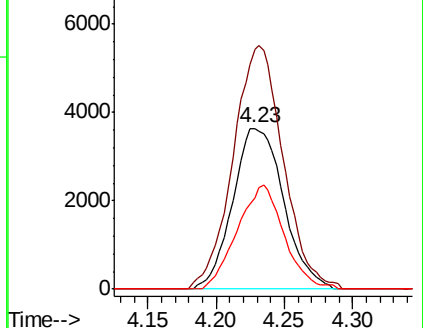
98 59.6 0.0 127.6

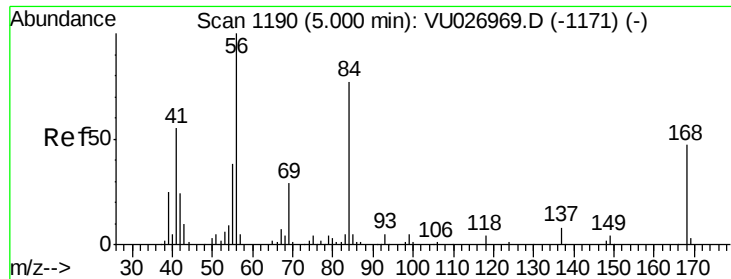


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

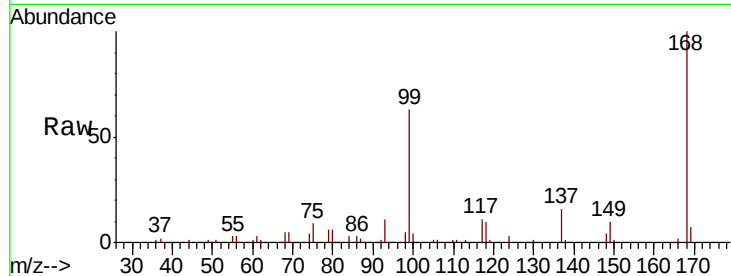




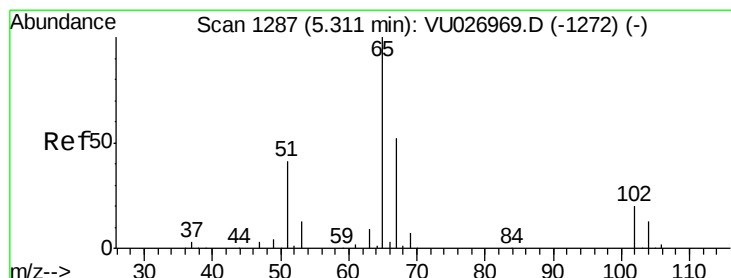
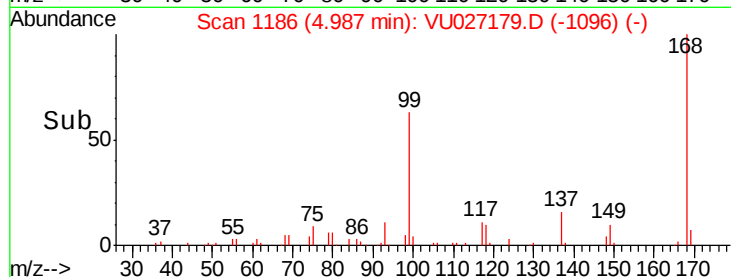
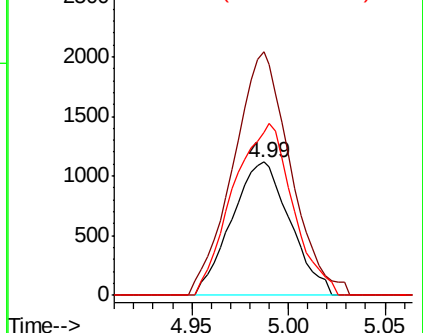
#31
Cyclohexane
Concen: 0.280 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027179.D
Acq: 26 Sep 2018 15:50

Instrument :
MSVOA_U
ClientSampleId :
MW-55-SEP18

Tgt Ion: 56 Resp: 2350
Ion Ratio Lower Upper
56 100
69 182.9 23.0 34.4#
84 122.2 61.4 92.2#

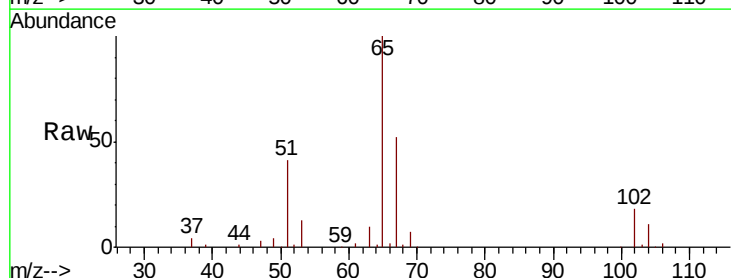


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

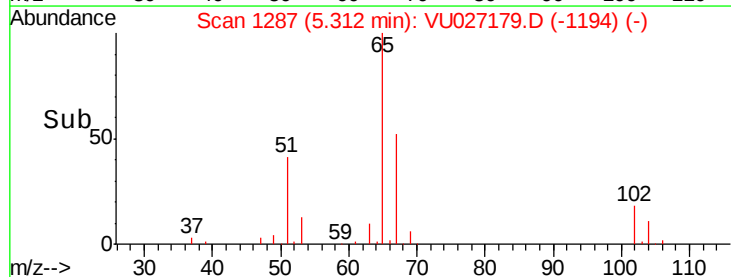
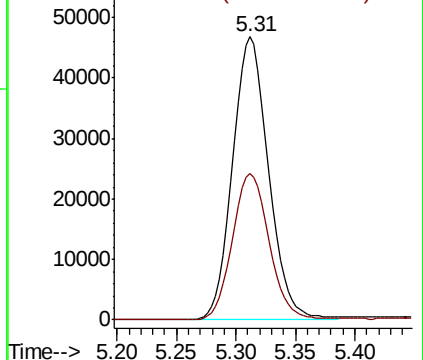


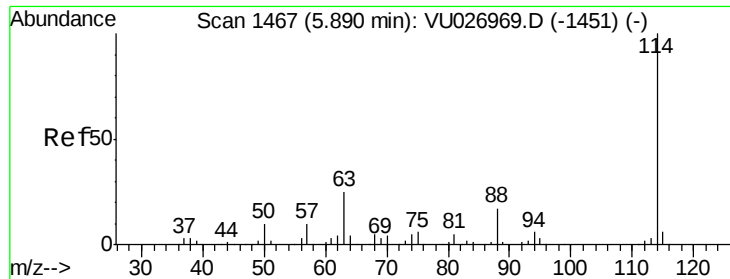
#33
1,2-Dichloroethane-d4
Concen: 53.064 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027179.D
Acq: 26 Sep 2018 15:50

Tgt Ion: 65 Resp: 98202
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6



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

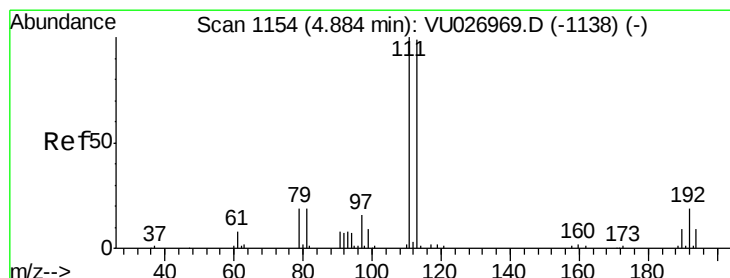
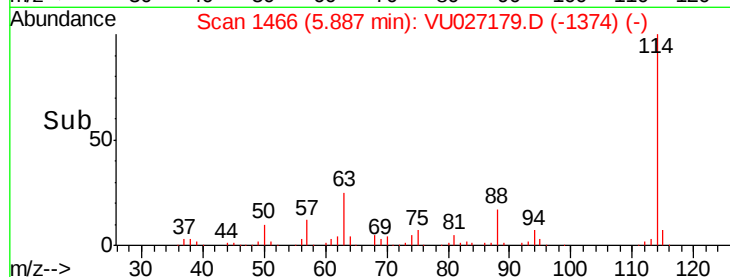
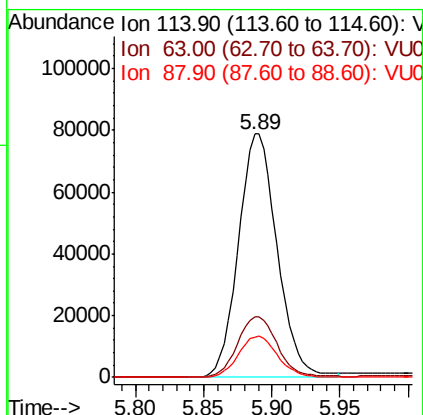
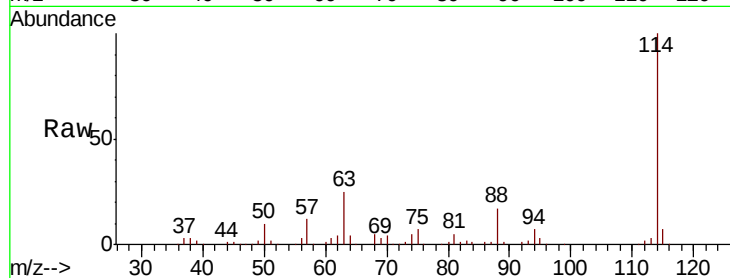




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027179.D
 Acq: 26 Sep 2018 15:50

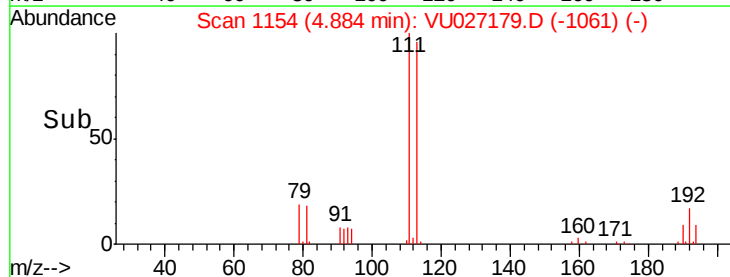
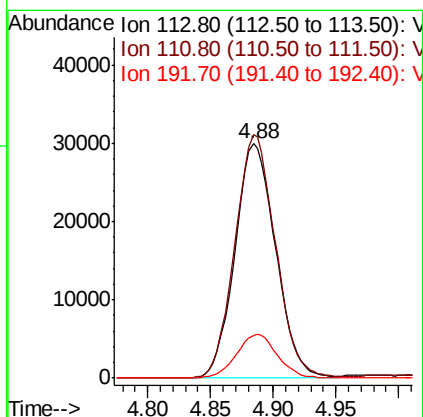
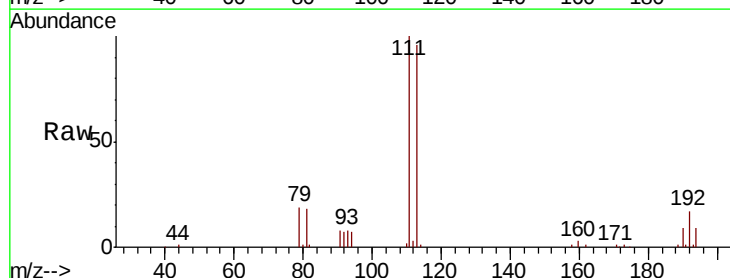
Instrument :
 MSVOA_U
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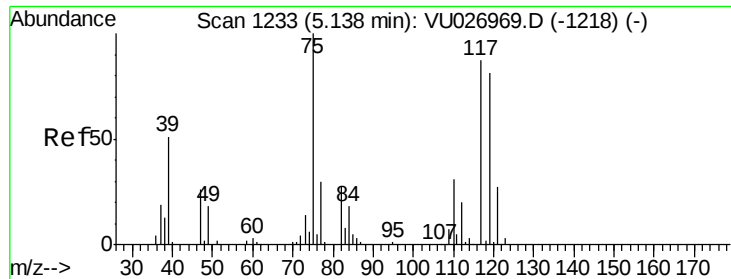
Tgt Ion:114 Resp: 155403
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.7 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 50.146 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027179.D
 Acq: 26 Sep 2018 15:50

Tgt Ion:113 Resp: 67548
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.2 123.4
 192 18.7 15.2 22.8

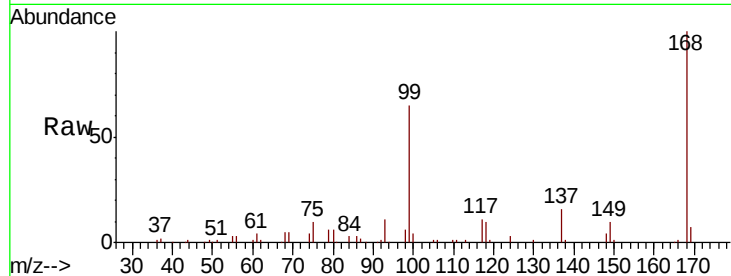




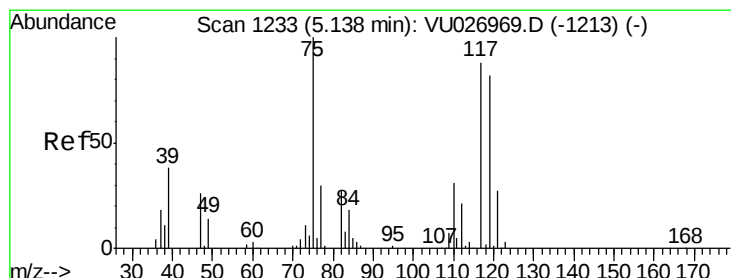
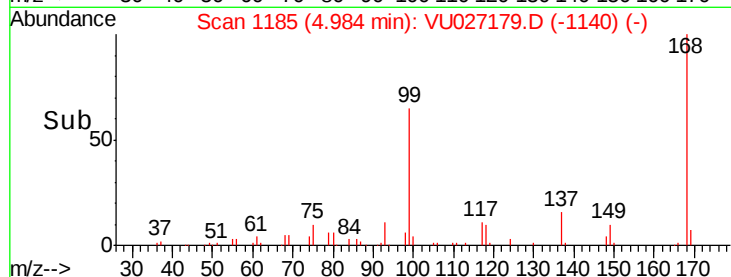
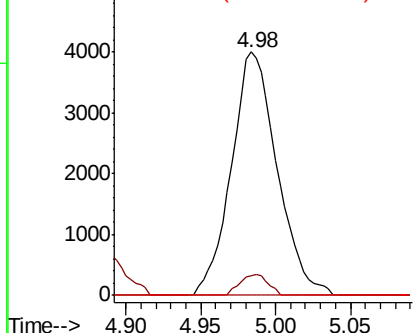
#36
 1,1-Dichloropropene
 Concen: 4.108 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027179.D
 Acq: 26 Sep 2018 15:50

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-55-SEP18

Tgt Ion: 75 Resp: 8521
 Ion Ratio Lower Upper
 75 100
 110 5.3 16.1 48.2#
 77 0.0 24.6 36.8#

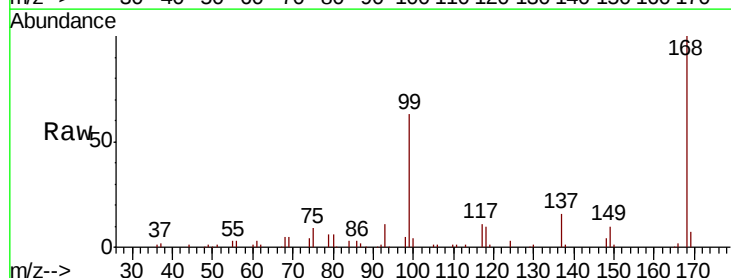


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

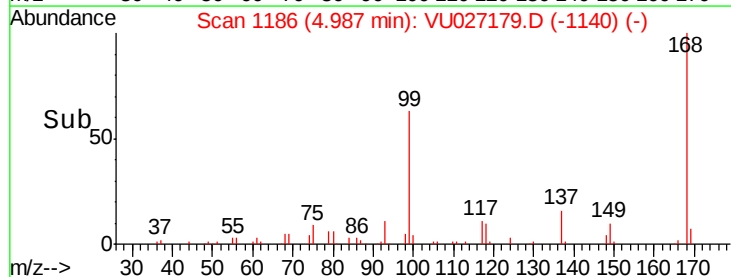
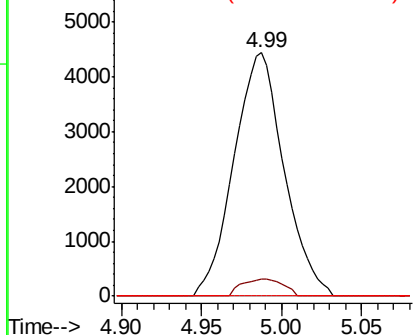


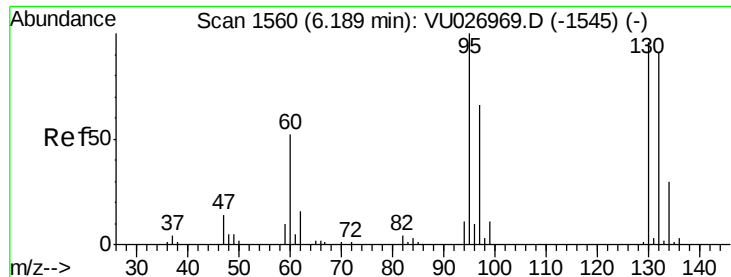
#38
 Carbon Tetrachloride
 Concen: 4.826 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027179.D
 Acq: 26 Sep 2018 15:50

Tgt Ion: 117 Resp: 9526
 Ion Ratio Lower Upper
 117 100
 119 6.8 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: 0.924 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VU027179.D

Acq: 26 Sep 2018 15:50

Instrument :

MSVOA_U

ClientSampleId :

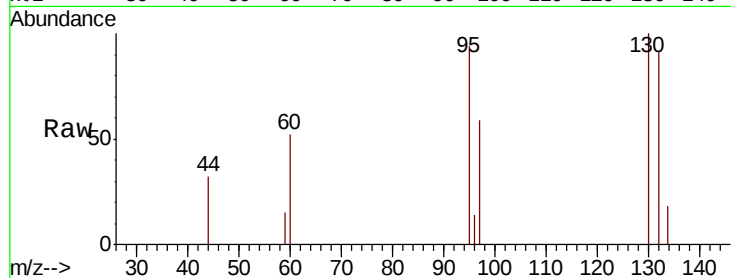
MW-55-SEP18

Tgt Ion:130 Resp: 1240

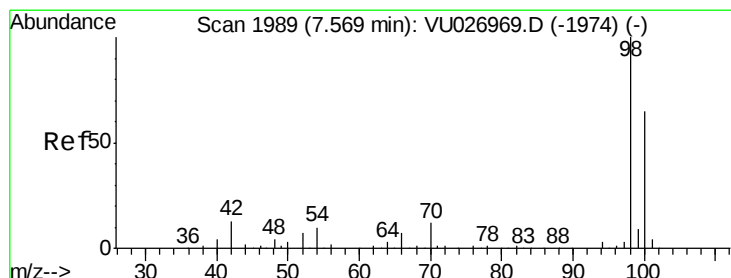
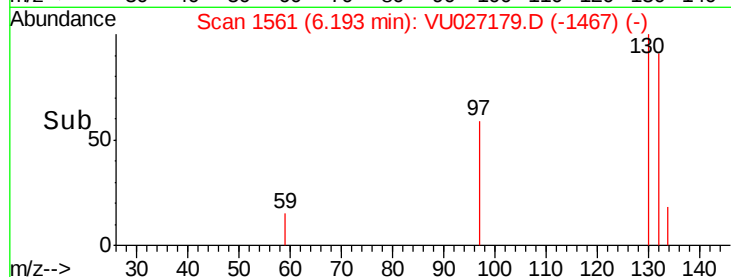
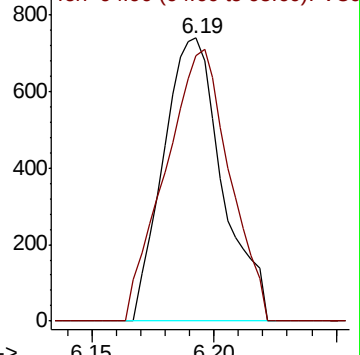
Ion Ratio Lower Upper

130 100

95 93.8 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)



#50

Toluene-d8

Concen: 48.872 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027179.D

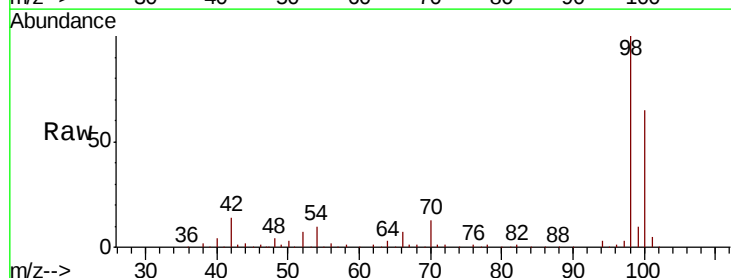
Acq: 26 Sep 2018 15:50

Tgt Ion: 98 Resp: 250892

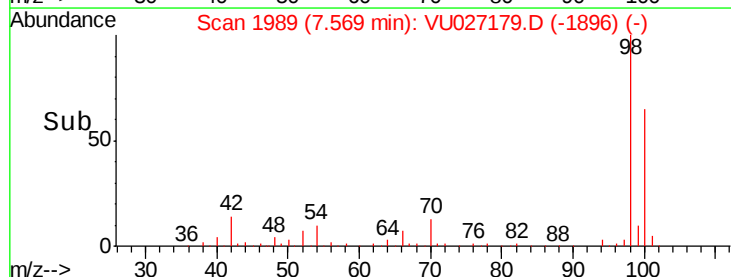
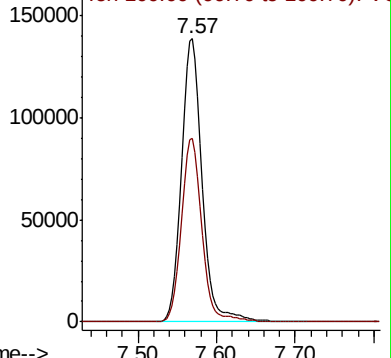
Ion Ratio Lower Upper

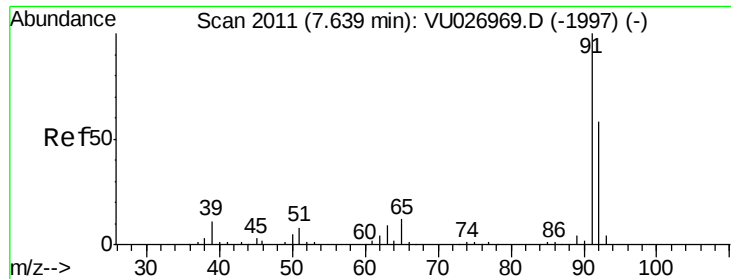
98 100

100 64.4 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)





#52

Toluene

Concen: 0.338 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027179.D

Acq: 26 Sep 2018 15:50

Instrument :

MSVOA_U

ClientSampleId :

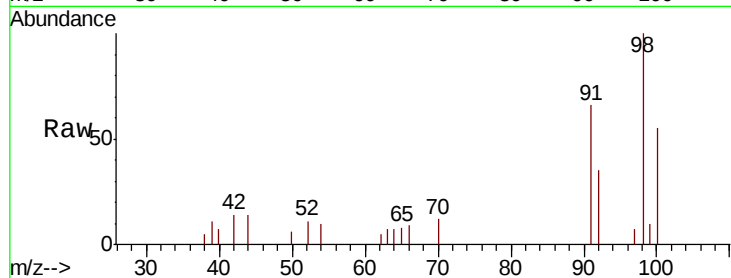
MW-55-SEP18

Tgt Ion: 92 Resp: 1223

Ion Ratio Lower Upper

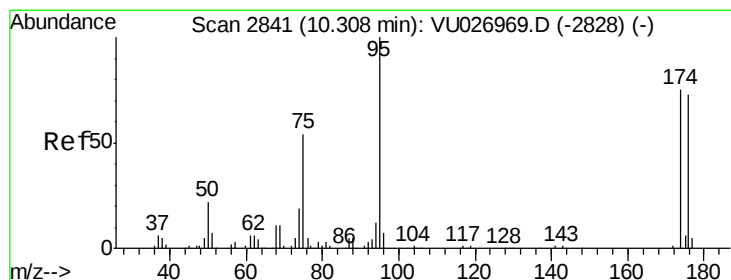
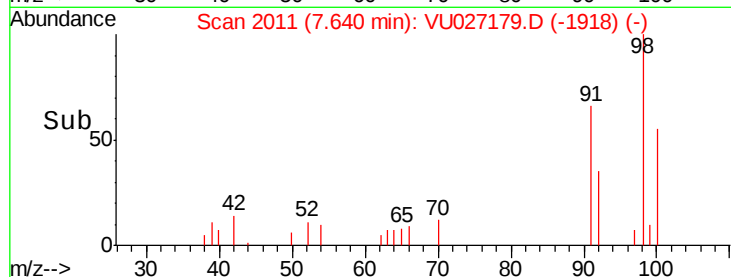
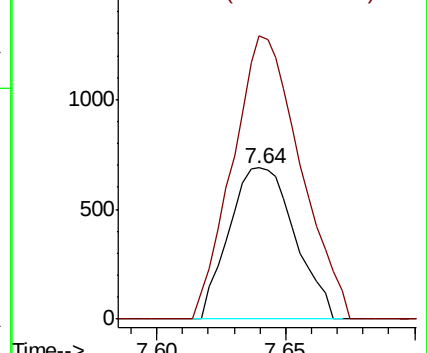
92 100

91 192.8 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 48.254 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027179.D

Acq: 26 Sep 2018 15:50

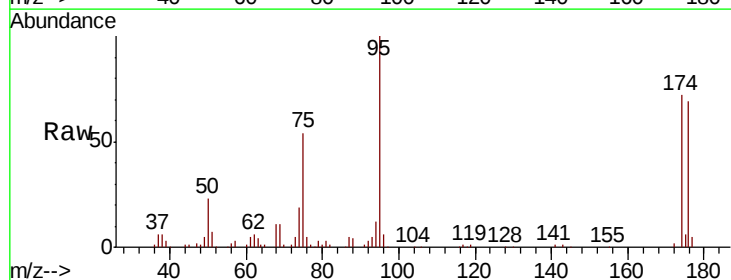
Tgt Ion: 95 Resp: 84999

Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.2

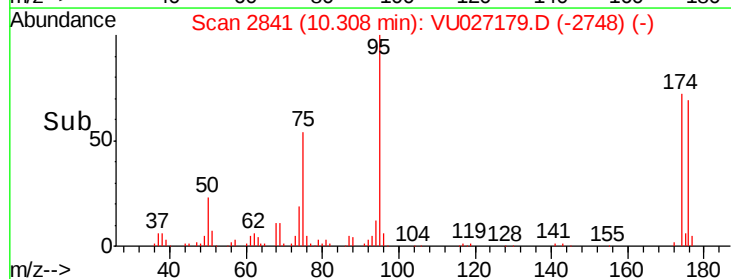
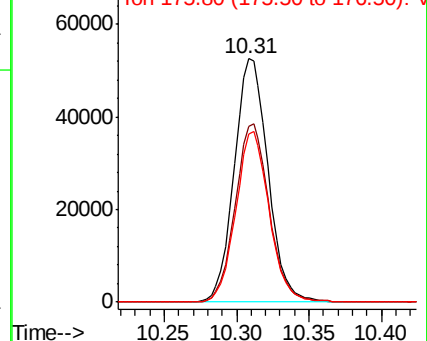
176 69.1 0.0 145.2

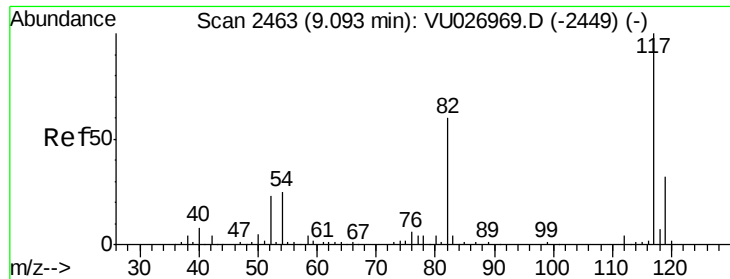


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

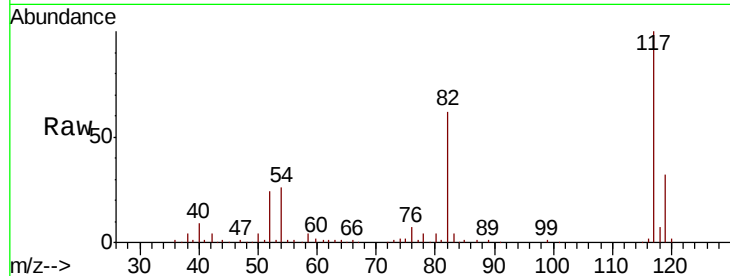




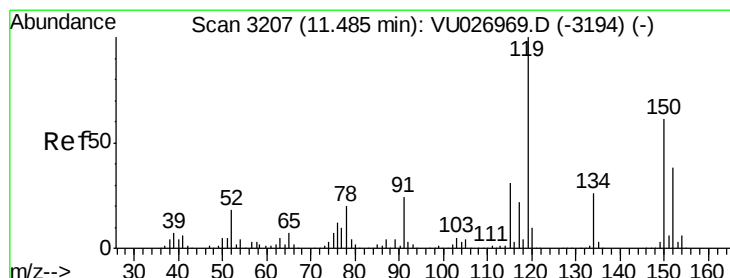
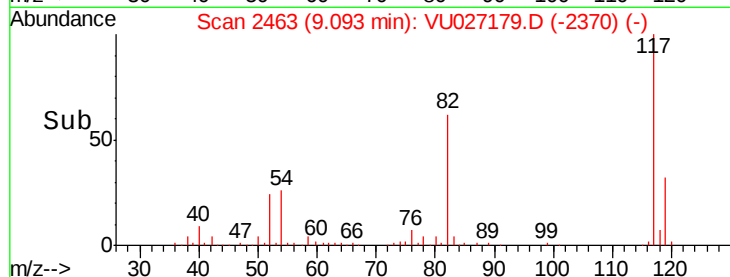
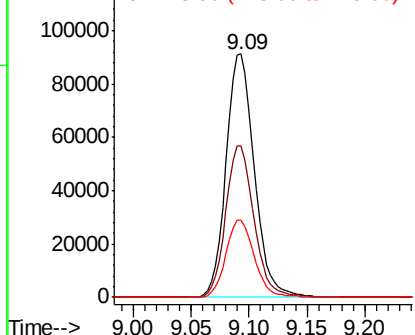
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027179.D
Acq: 26 Sep 2018 15:50

Instrument :
MSVOA_U
ClientSampleId :
MW-55-SEP18

Tgt Ion:117 Resp: 154163
Ion Ratio Lower Upper
117 100
82 62.2 48.0 72.0
119 31.7 25.8 38.8

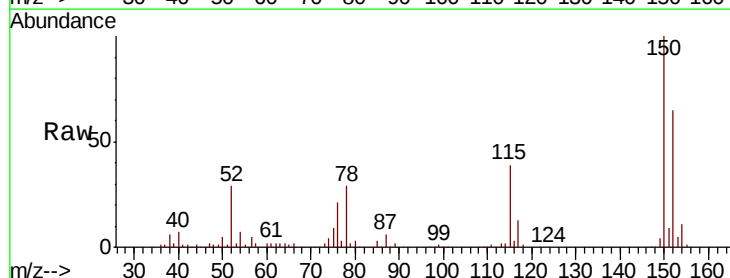


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

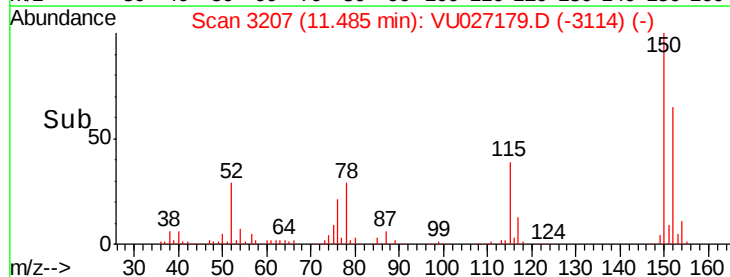
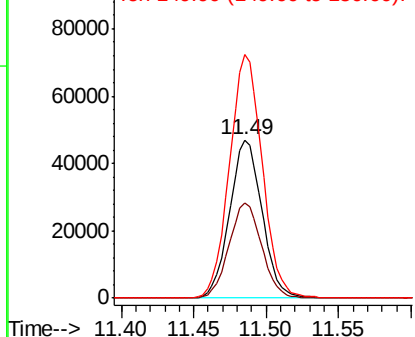


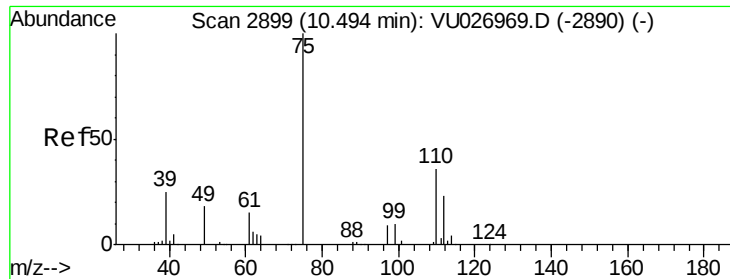
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027179.D
Acq: 26 Sep 2018 15:50

Tgt Ion:152 Resp: 72652
Ion Ratio Lower Upper
152 100
115 60.6 44.9 134.5
150 156.0 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: 20.914 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027179.D

Acq: 26 Sep 2018 15:50

Instrument :

MSVOA_U

ClientSampleId :

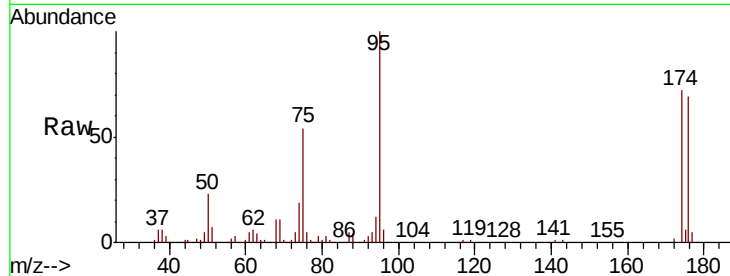
MW-55-SEP18

Tgt Ion: 75 Resp: 46161

Ion Ratio Lower Upper

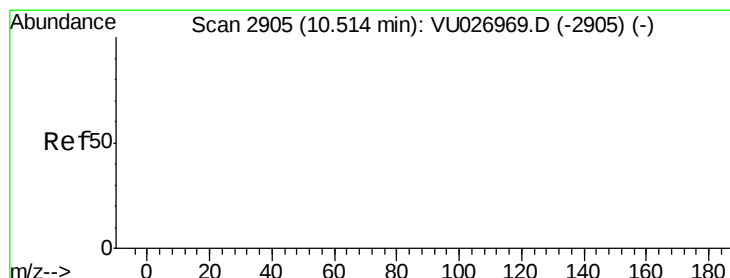
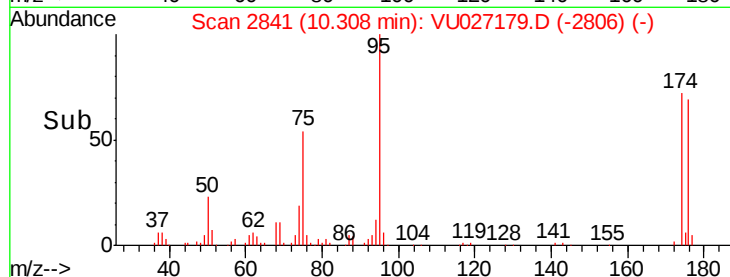
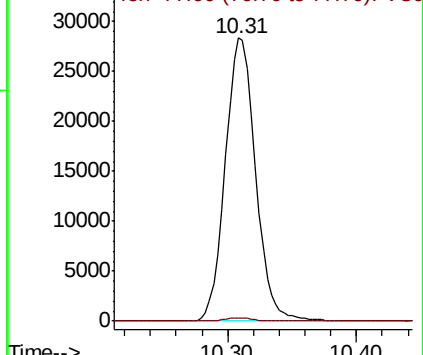
75 100

77 0.9 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: 66.930 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027179.D

Acq: 26 Sep 2018 15:50

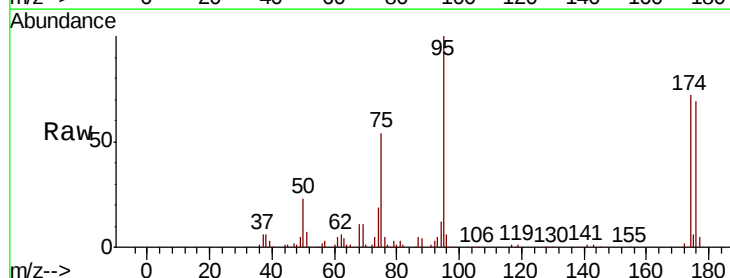
Tgt Ion: 75 Resp: 46161

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

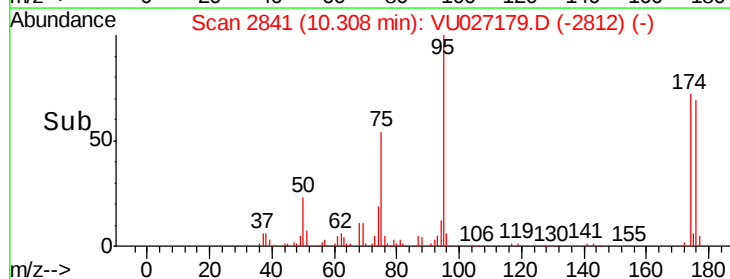
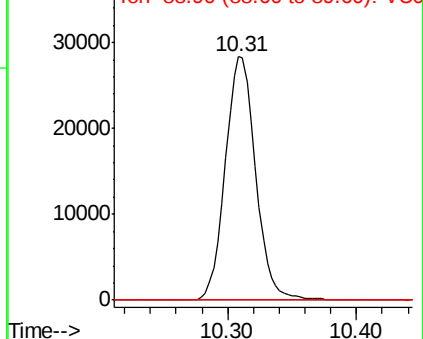
89 0.0 0.0 0.0

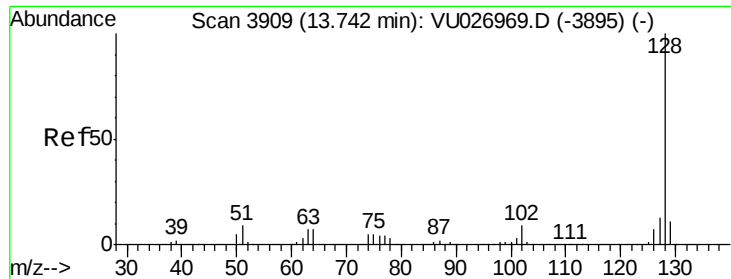


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 1.711 ug/l

RT: 13.76 min Scan# 3913

Delta R.T. 0.01 min

Lab File: VU027179.D

Acq: 26 Sep 2018 15:50

Instrument :

MSVOA_U

ClientSampleId :

MW-55-SEP18

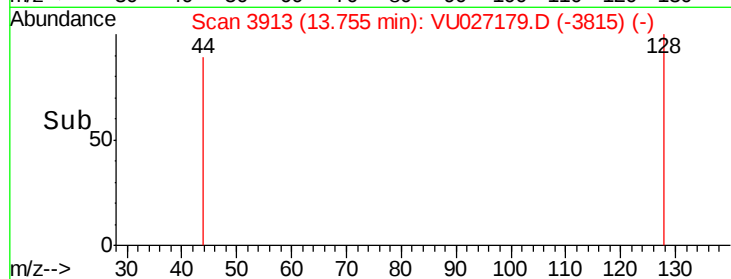
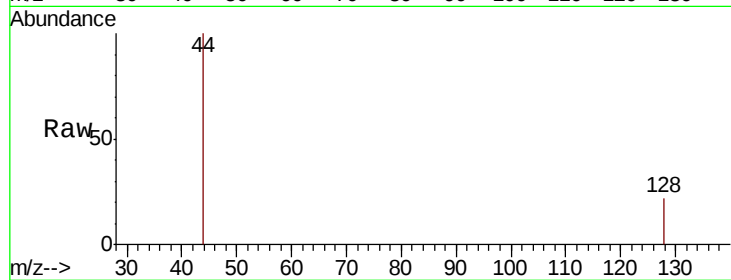
Tgt Ion:128 Resp: 139

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

