

Data File : VU027024.D
Acq On : 22 Sep 2018 18:31
Operator : MD/SY
Sample : J4958-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 64 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BP-AOC22-MW03-20180915

Quant Time: Sep 24 02:52:22 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	94760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	158595	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	153010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74346	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	97148	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
35) Dibromofluoromethane	4.88	113	66601	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	7.57	98	249333	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	10.31	95	83341	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

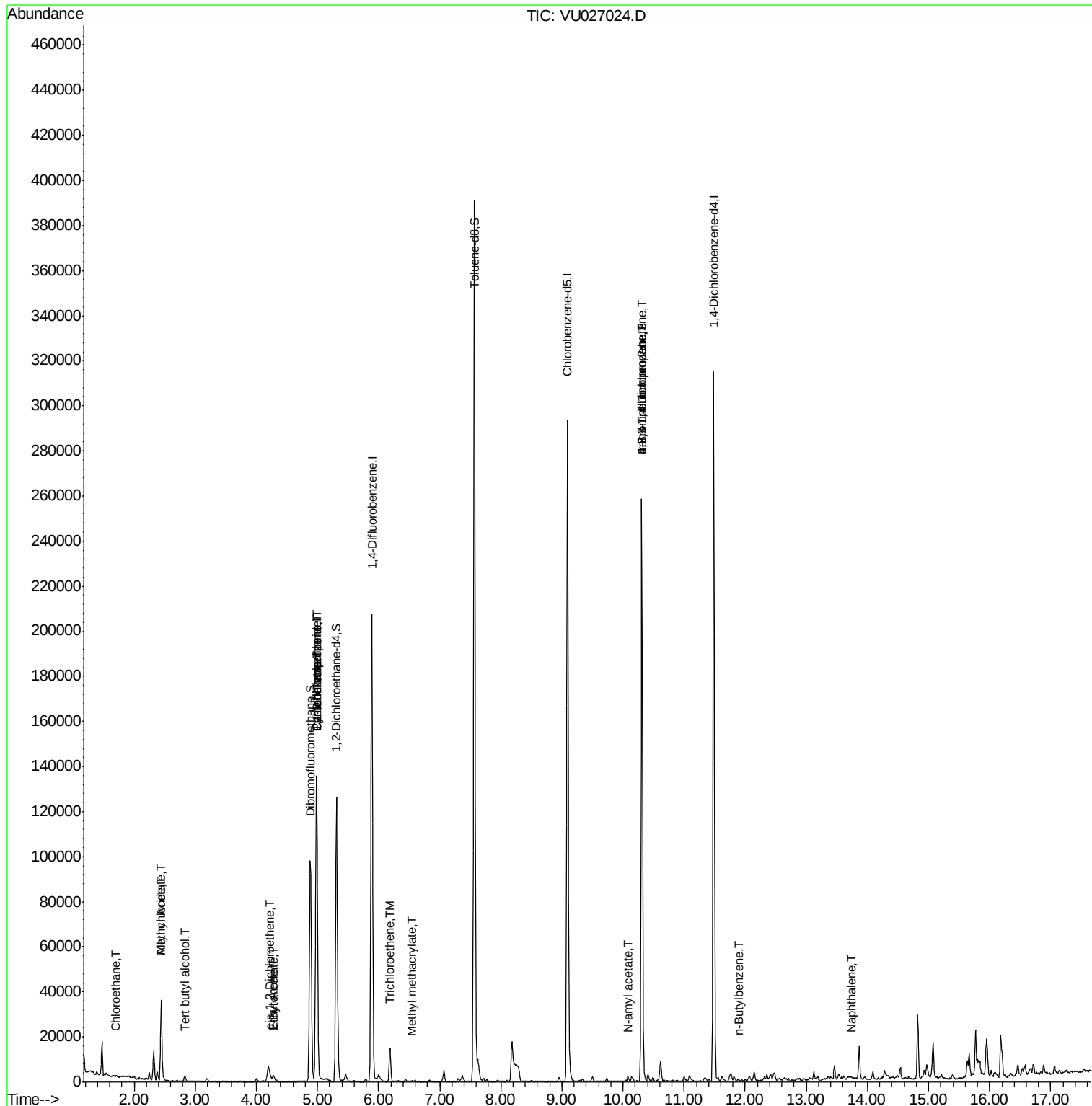
Target Compounds			Qvalue			
6) Chloroethane	1.70	64	349	0.274	ug/l #	43
11) Tert butyl alcohol	2.83	59	2459	5.625	ug/l #	76
14) Allyl chloride	2.44	41	3646	1.374	ug/l #	76
16) Acetone	2.32	43	13581	Below Cal		96
18) Methyl Acetate	2.44	43	9598	3.536	ug/l #	55
25) 2-Butanone	4.27	43	5334	3.328	ug/l	95
27) cis-1,2-Dichloroethene	4.24	96	763	0.484	ug/l	98
31) Cyclohexane	4.99	56	2653	0.362	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9070	4.285	ug/l #	46
37) Ethyl Acetate	4.27	43	5334	1.862	ug/l #	70
38) Carbon Tetrachloride	4.98	117	10097	5.013	ug/l #	18
44) Trichloroethene	6.19	130	923	0.674	ug/l	27
48) Methyl methacrylate	6.55	41	42	1.030	ug/l #	17
74) N-amyl acetate	10.09	43	972	0.297	ug/l #	53
76) 1,2,3-Trichloropropane	10.31	75	44849	19.857	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44849	63.546	ug/l #	100
89) n-Butylbenzene	11.90	91	87	2.409	ug/l #	33
95) Naphthalene	13.75	128	469	1.763	ug/l #	71

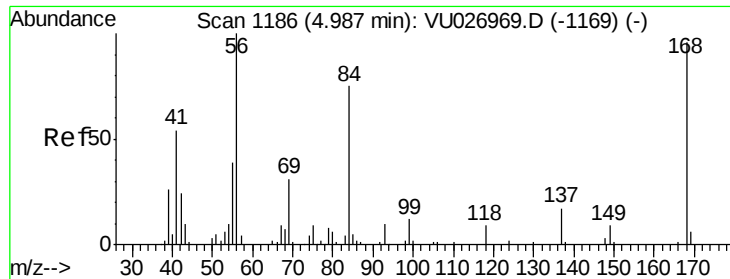
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU027024.D
Acq On : 22 Sep 2018 18:31
Operator : MD/SY
Sample : J4958-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 64 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BP-AOC22-MW03-20180915

Quant Time: Sep 24 02:52:22 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

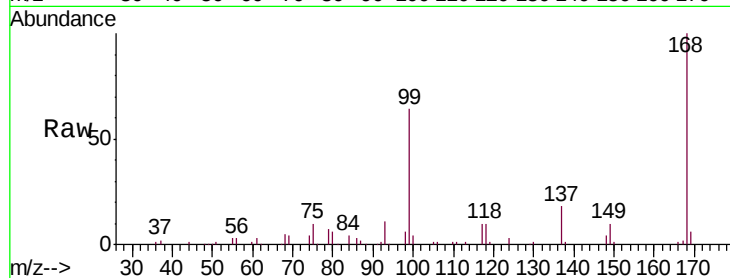
BP-AOC22-MW03-20180915

Tgt Ion:168 Resp: 94760

Ion Ratio Lower Upper

168 100

99 64.3 48.1 72.1



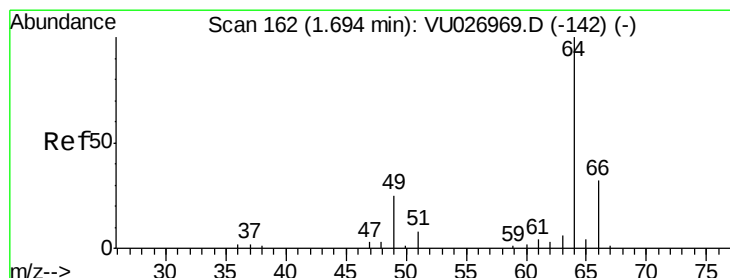
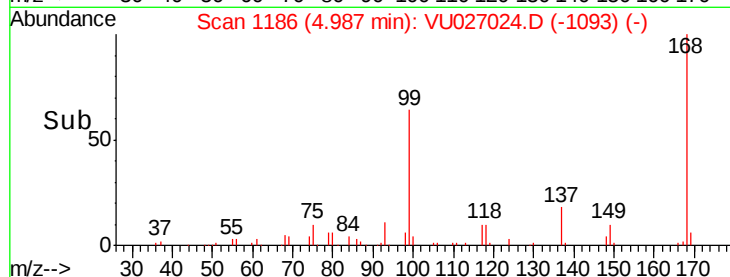
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

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

4.99

4.90 4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 0.274 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027024.D

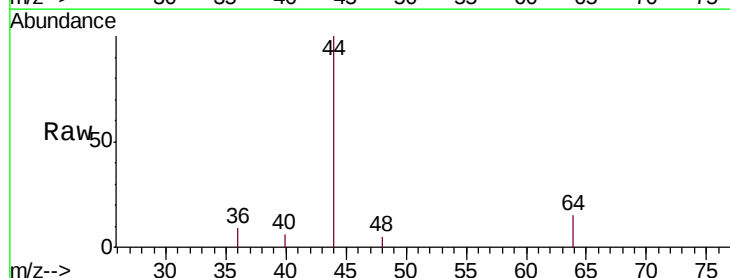
Acq: 22 Sep 2018 18:31

Tgt Ion: 64 Resp: 349

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



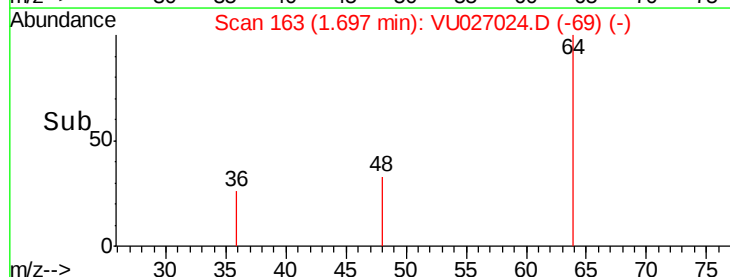
Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

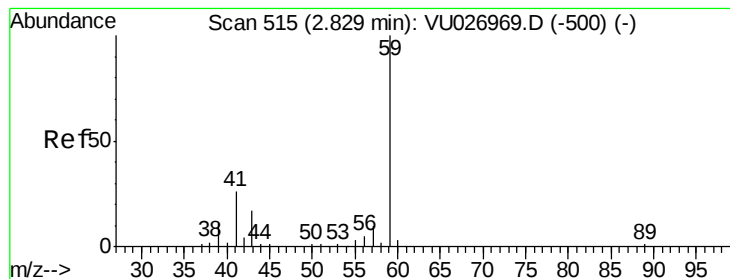
Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.70

1.66 1.68 1.70 1.72

Time-->



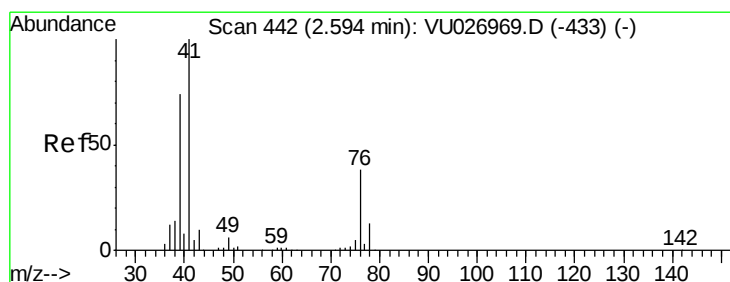
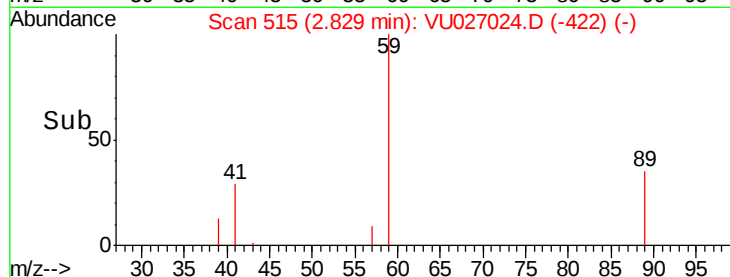
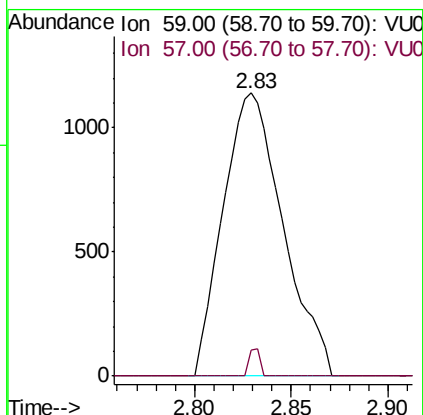
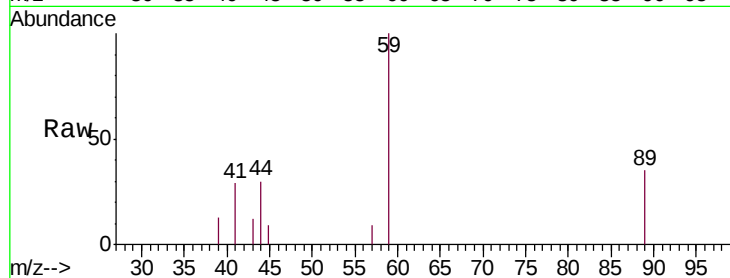


#11

Tert butyl alcohol
 Concen: 5.625 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU027024.D
 Acq: 22 Sep 2018 18:31

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-AOC22-MW03-20180915

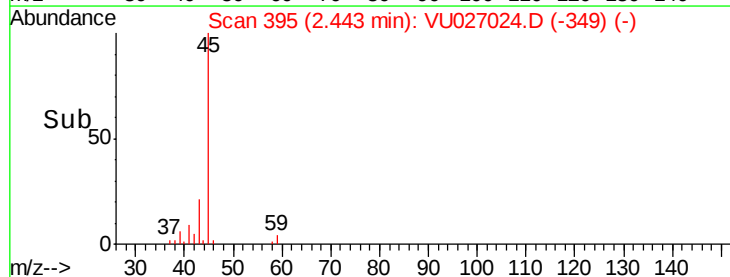
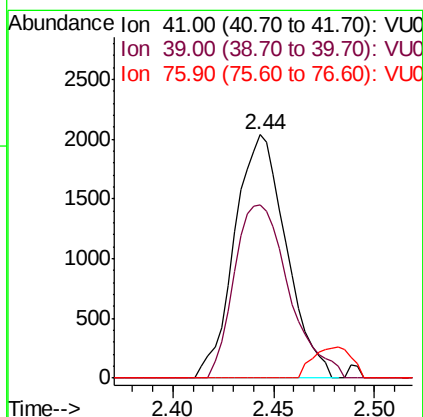
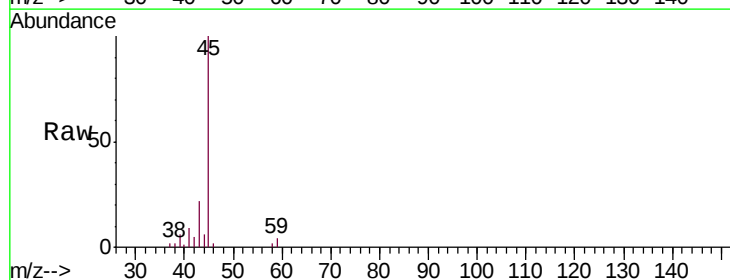
Tgt Ion: 59 Resp: 2459
 Ion Ratio Lower Upper
 59 100
 57 1.7 8.5 12.7#

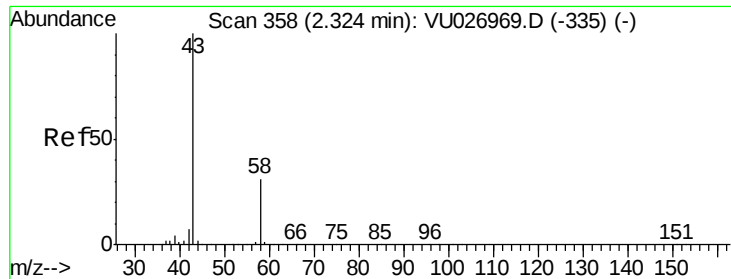


#14

Allyl chloride
 Concen: 1.374 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027024.D
 Acq: 22 Sep 2018 18:31

Tgt Ion: 41 Resp: 3646
 Ion Ratio Lower Upper
 41 100
 39 75.6 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: VU027024.D

Acq: 22 Sep 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

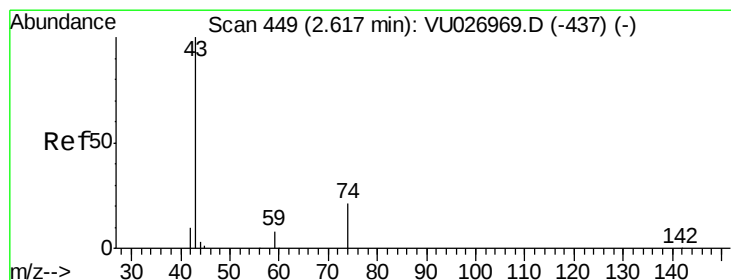
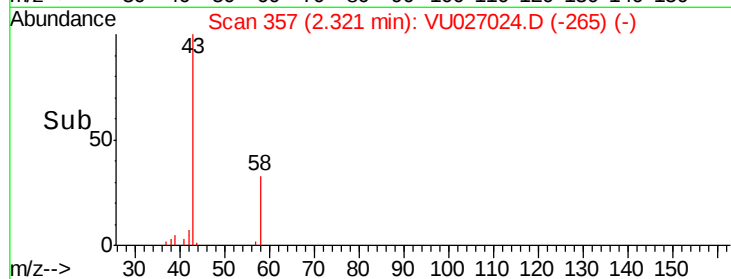
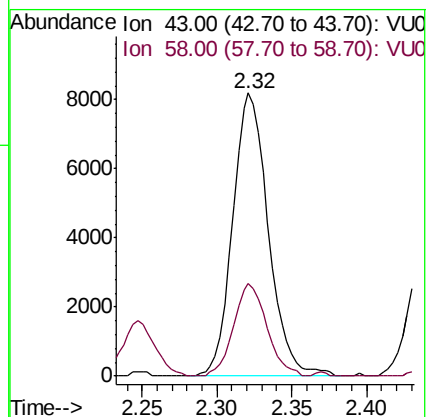
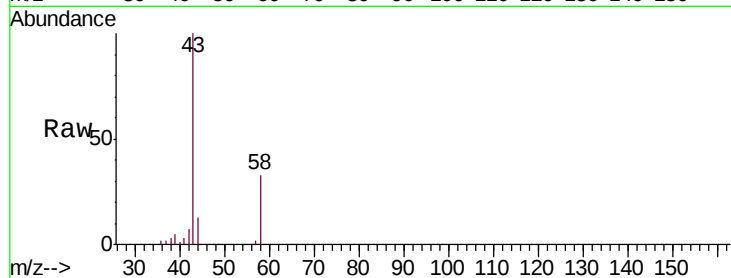
BP-AOC22-MW03-20180915

Tgt Ion: 43 Resp: 13581

Ion Ratio Lower Upper

43 100

58 32.7 24.6 36.8



#18

Methyl Acetate

Concen: 3.536 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027024.D

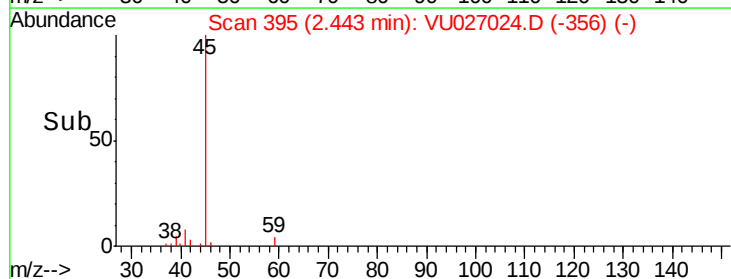
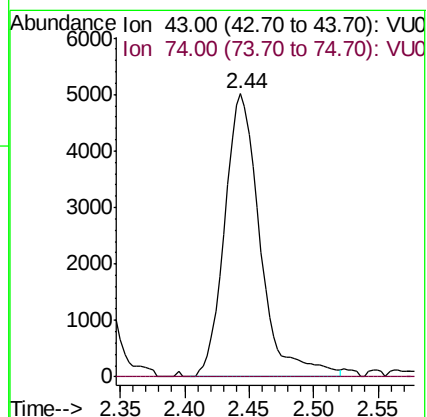
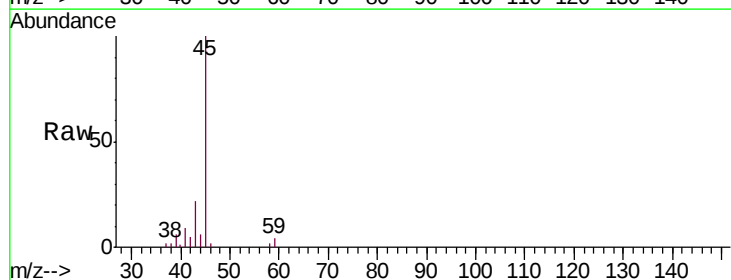
Acq: 22 Sep 2018 18:31

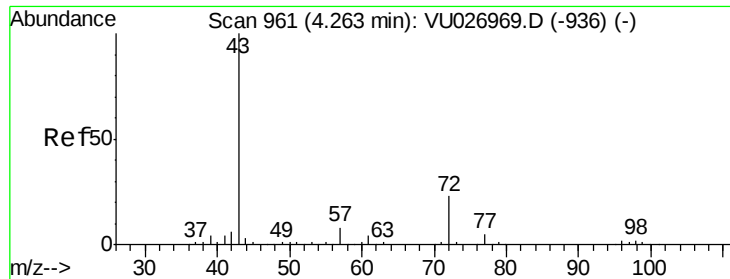
Tgt Ion: 43 Resp: 9598

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#





#25

2-Butanone

Concen: 3.328 ug/l

RT: 4.27 min Scan# 964

Delta R.T. 0.01 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

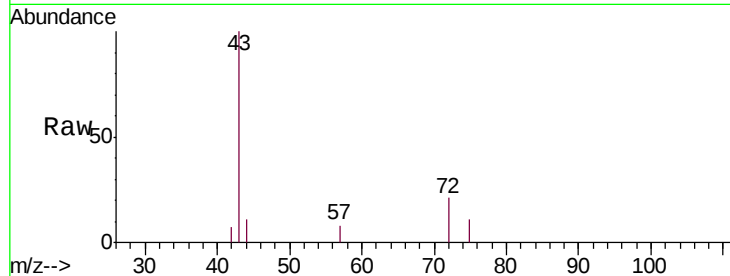
BP-AOC22-MW03-20180915

Tgt Ion: 43 Resp: 5334

Ion Ratio Lower Upper

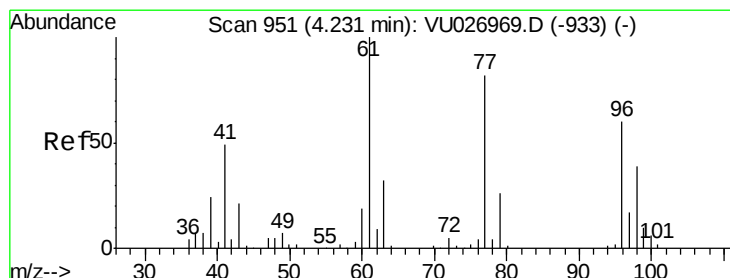
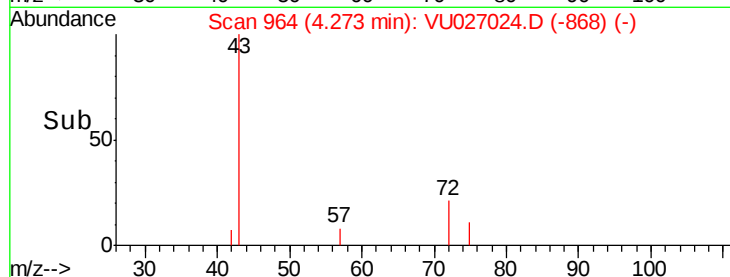
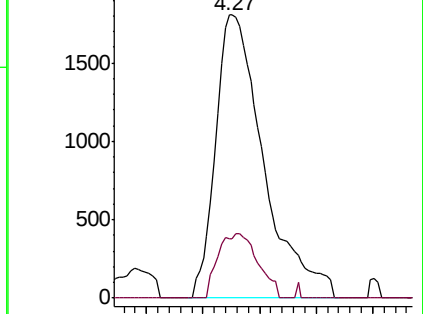
43 100

72 20.8 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VU027024.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU027024.D (-868) (-)



#27

cis-1,2-Dichloroethene

Concen: 0.484 ug/l

RT: 4.24 min Scan# 953

Delta R.T. 0.01 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

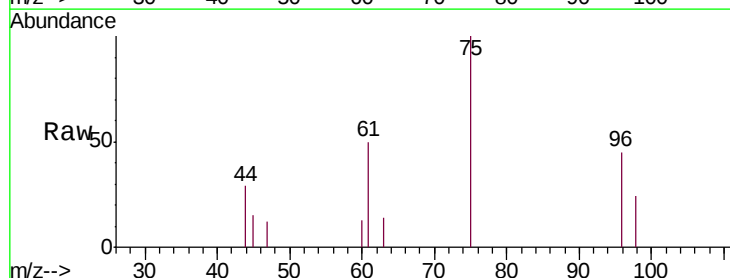
Tgt Ion: 96 Resp: 763

Ion Ratio Lower Upper

96 100

61 169.1 0.0 337.2

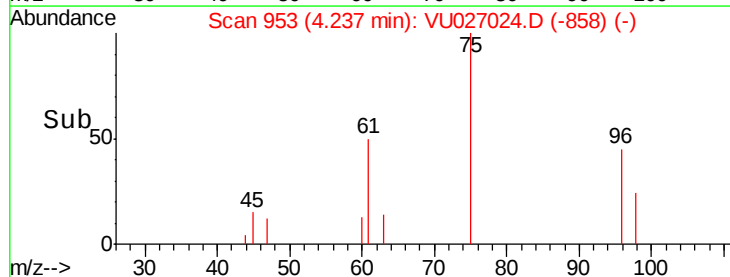
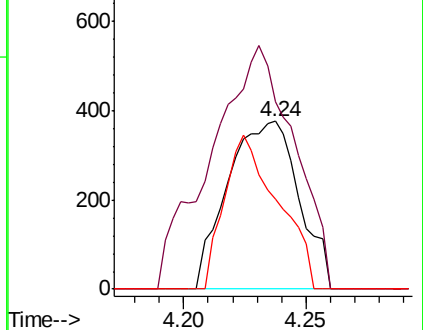
98 69.3 0.0 127.6

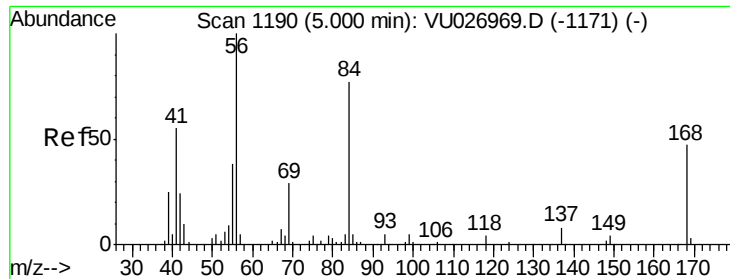


Abundance Ion 95.90 (95.60 to 96.60): VU027024.D (-858) (-)

Ion 60.90 (60.60 to 61.60): VU027024.D (-858) (-)

Ion 97.90 (97.60 to 98.60): VU027024.D (-858) (-)

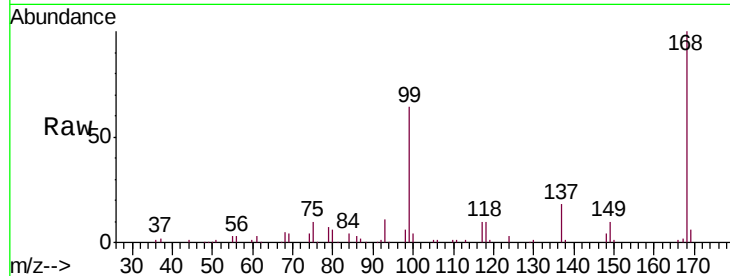




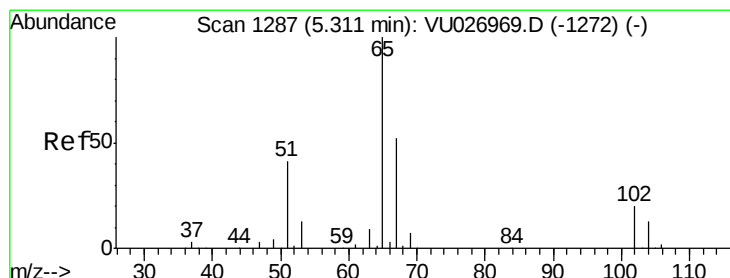
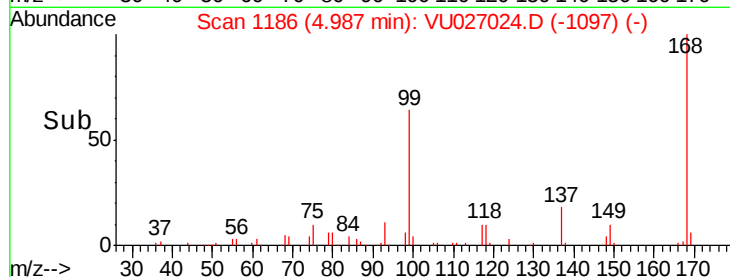
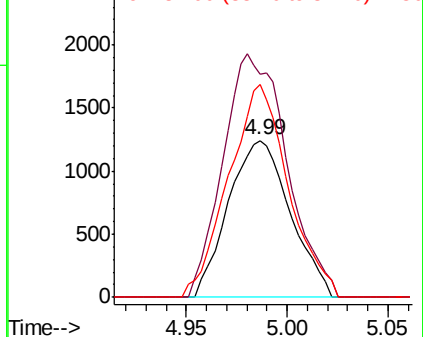
#31
Cyclohexane
Concen: 0.362 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027024.D
Acq: 22 Sep 2018 18:31

Instrument :
MSVOA_U
ClientSampleId :
BP-AOC22-MW03-20180915

Tgt Ion: 56 Resp: 2653
Ion Ratio Lower Upper
56 100
69 141.9 23.0 34.4#
84 135.3 61.4 92.2#

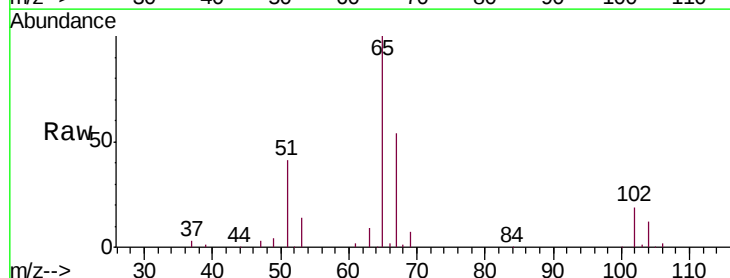


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

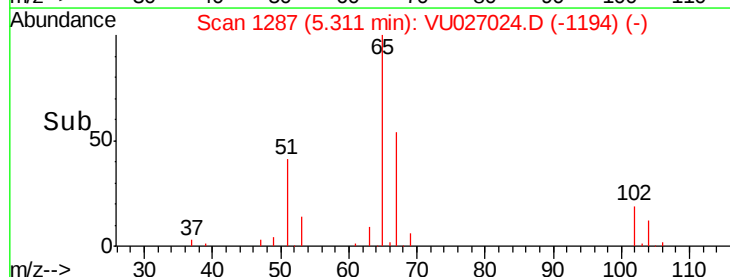
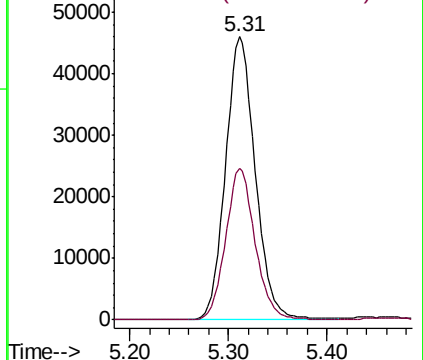


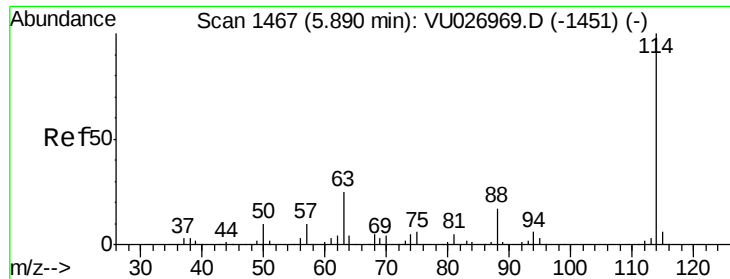
#33
1,2-Dichloroethane-d4
Concen: 50.937 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027024.D
Acq: 22 Sep 2018 18:31

Tgt Ion: 65 Resp: 97148
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# 1467

Delta R.T. -0.00 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

BP-AOC22-MW03-20180915

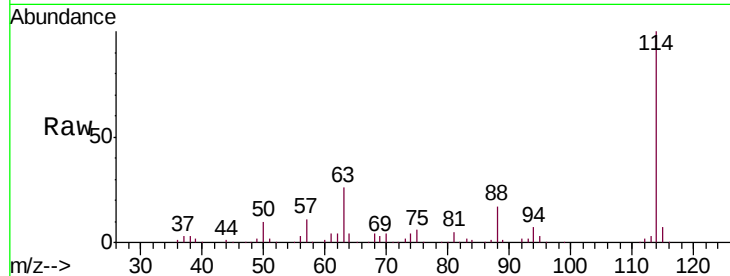
Tgt Ion:114 Resp: 158595

Ion Ratio Lower Upper

114 100

63 25.8 0.0 49.2

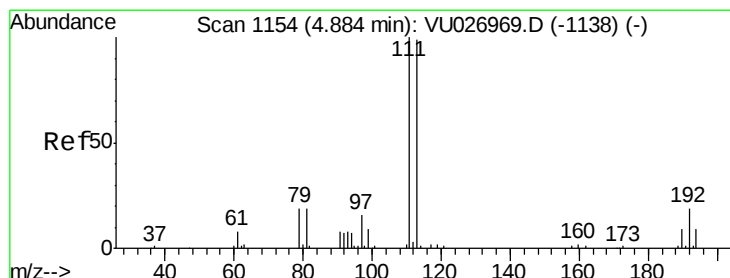
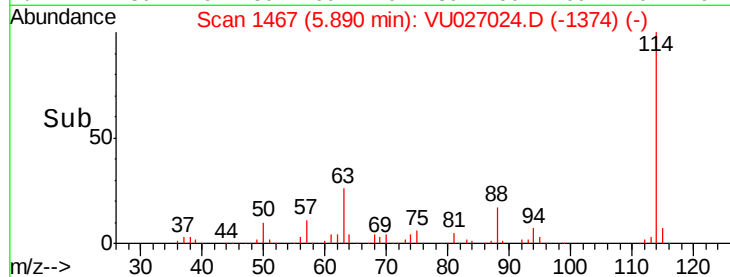
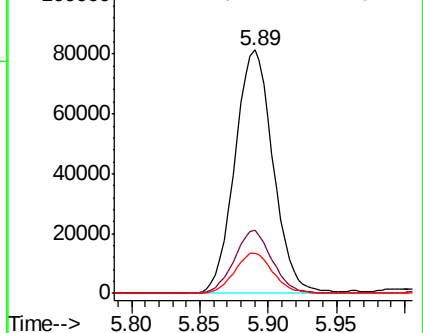
88 16.7 0.0 33.8



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: 48.447 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

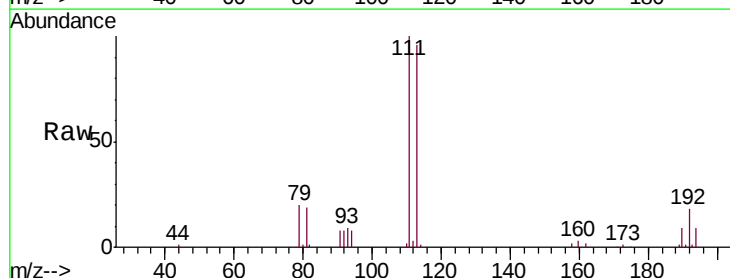
Tgt Ion:113 Resp: 66601

Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

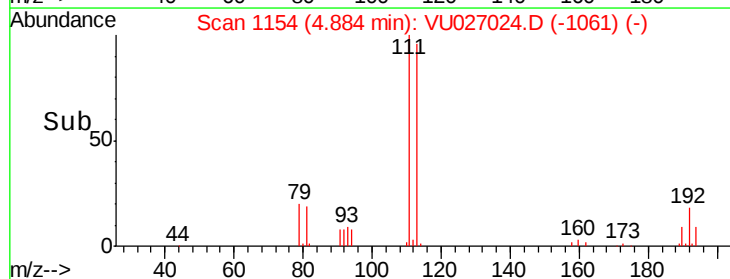
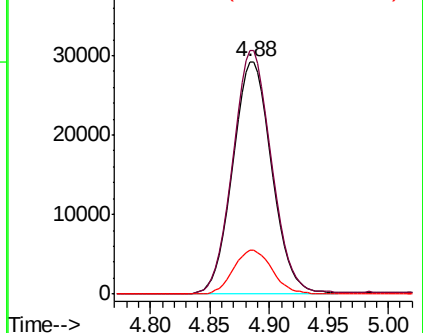
192 18.6 15.2 22.8

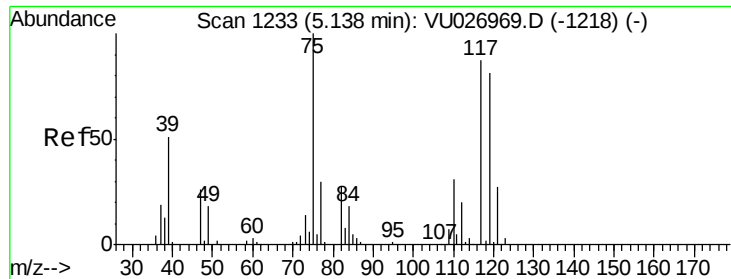


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

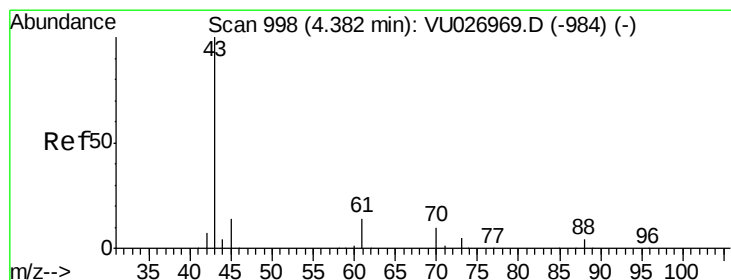
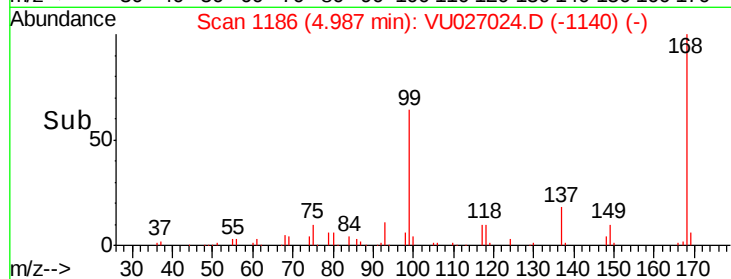
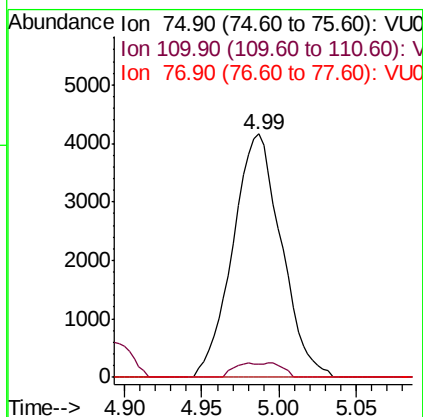
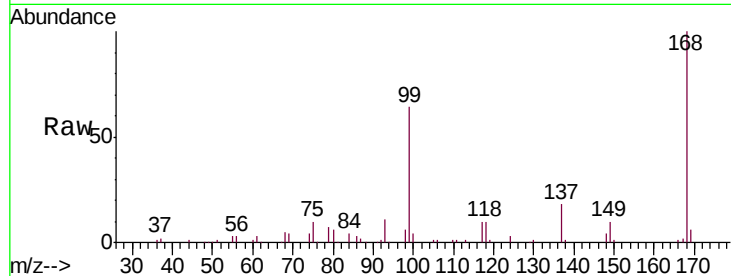




#36
 1,1-Dichloropropene
 Concen: 4.285 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027024.D
 Acq: 22 Sep 2018 18:31

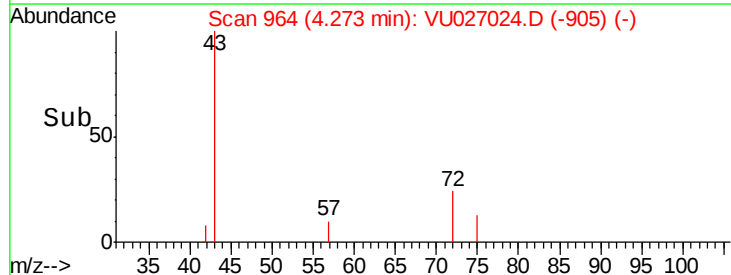
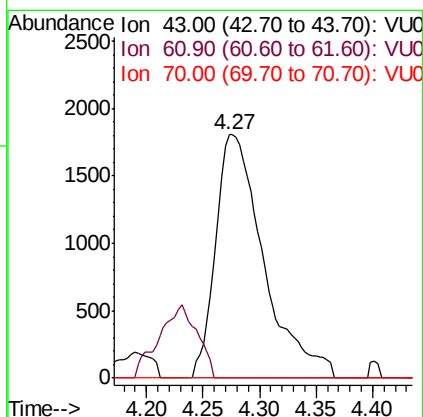
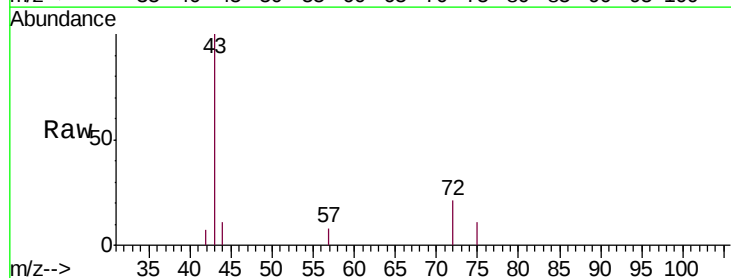
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-AOC22-MW03-20180915

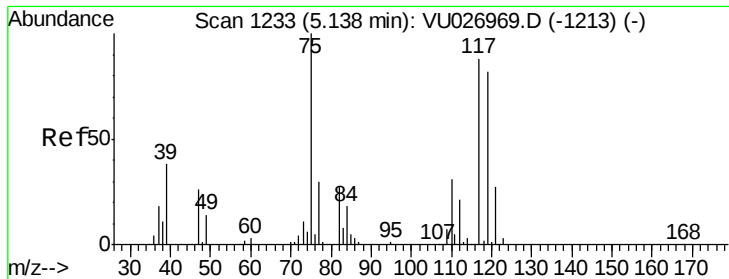
Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.0	16.1	48.2#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 1.862 ug/l
 RT: 4.27 min Scan# 964
 Delta R.T. -0.11 min
 Lab File: VU027024.D
 Acq: 22 Sep 2018 18:31

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

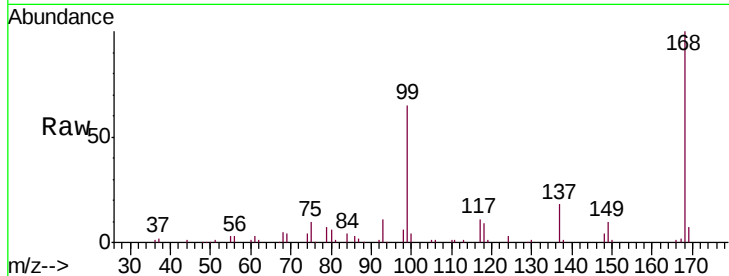




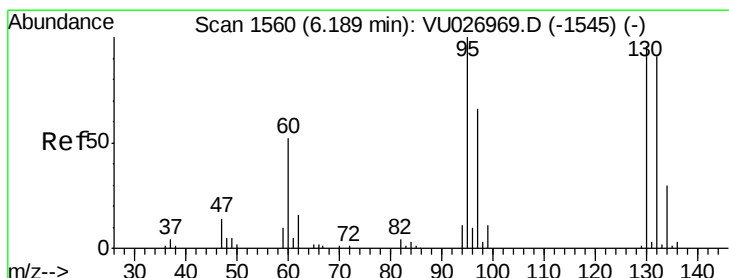
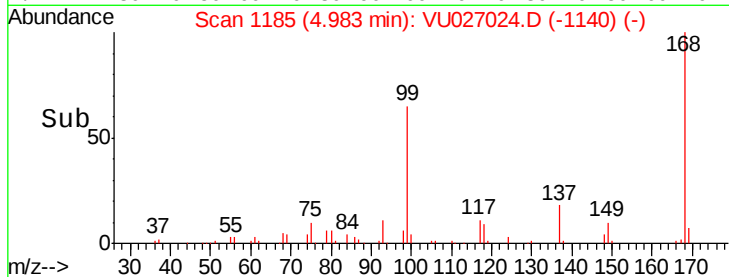
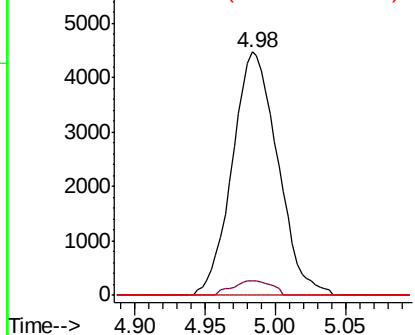
#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU027024.D
Acq: 22 Sep 2018 18:31

Instrument :
MSVOA_U
ClientSampleId :
BP-AOC22-MW03-20180915

Tgt Ion:117 Resp: 10097
Ion Ratio Lower Upper
117 100
119 6.2 74.4 111.6#
121 0.0 24.2 36.4#

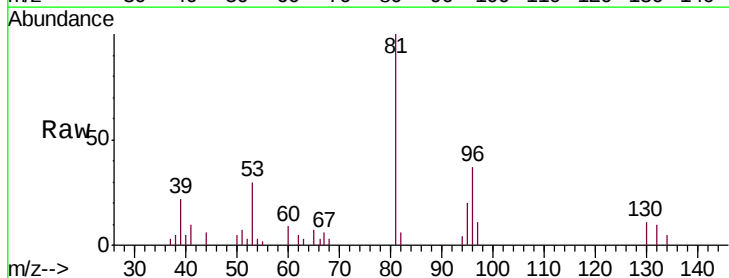


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

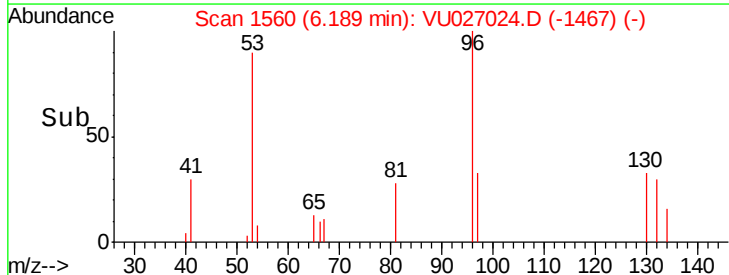
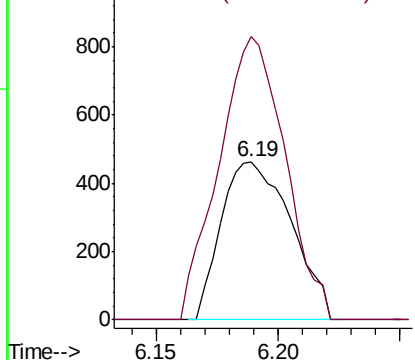


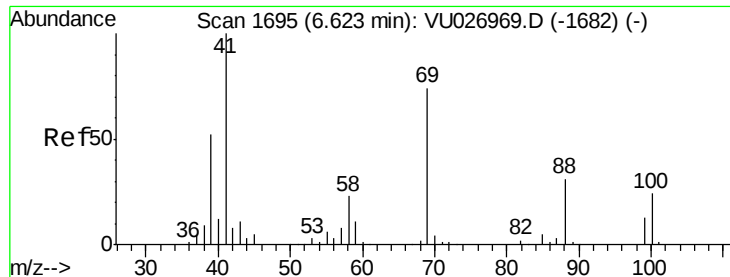
#44
Trichloroethene
Concen: 0.674 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VU027024.D
Acq: 22 Sep 2018 18:31

Tgt Ion:130 Resp: 923
Ion Ratio Lower Upper
130 100
95 179.0 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0

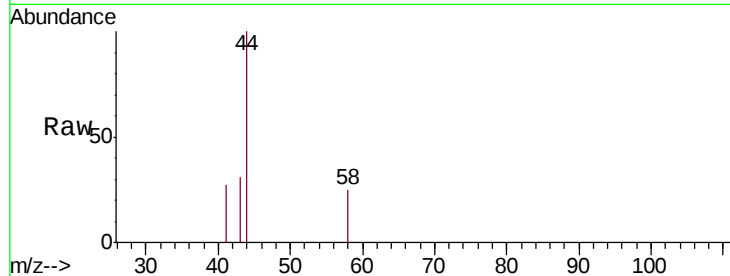




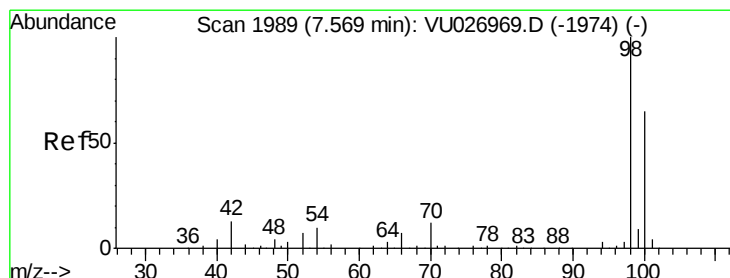
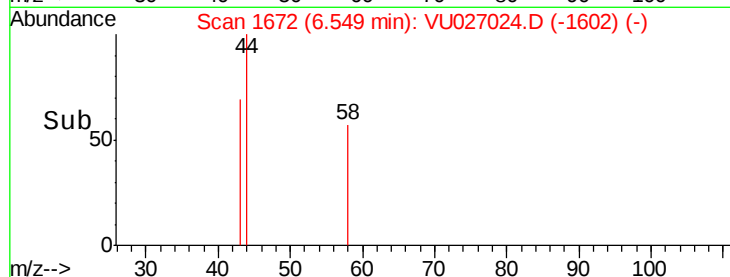
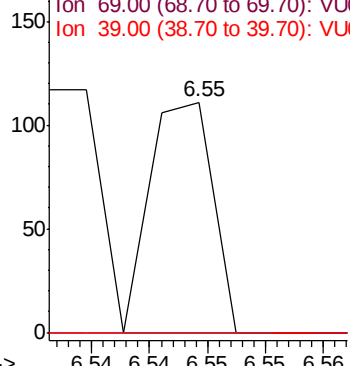
#48
Methyl methacrylate
Concen: 1.030 ug/l
RT: 6.55 min Scan# 1672
Delta R.T. -0.07 min
Lab File: VU027024.D
Acq: 22 Sep 2018 18:31

Instrument :
MSVOA_U
ClientSampleId :
BP-AOC22-MW03-20180915

Tgt Ion: 41 Resp: 42
Ion Ratio Lower Upper
41 100
69 0.0 60.6 90.8#
39 0.0 42.8 64.2#

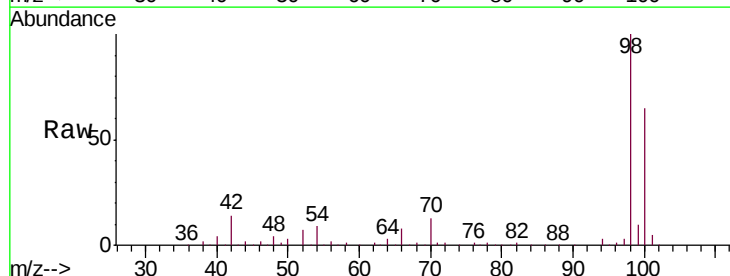


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

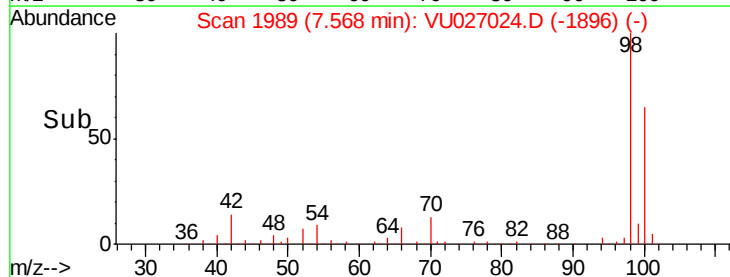
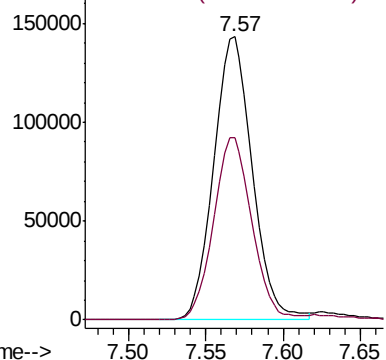


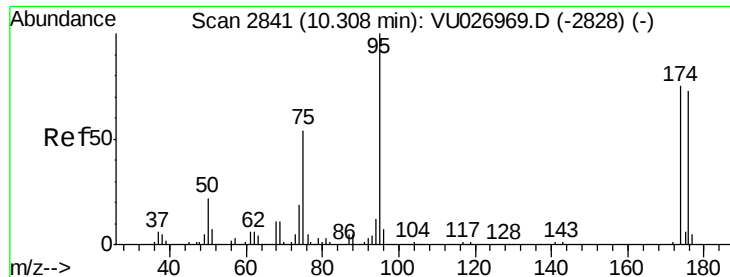
#50
Toluene-d8
Concen: 47.591 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. -0.00 min
Lab File: VU027024.D
Acq: 22 Sep 2018 18:31

Tgt Ion: 98 Resp: 249333
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



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

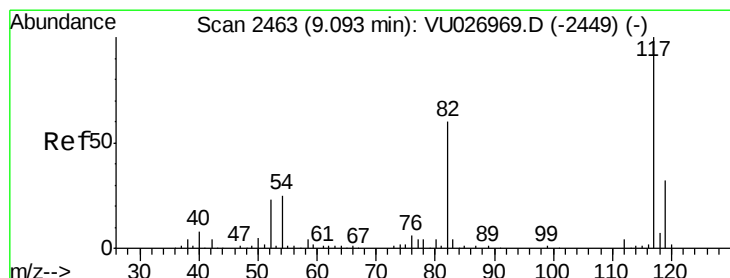
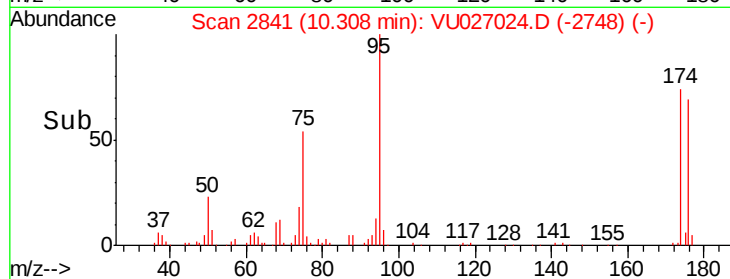
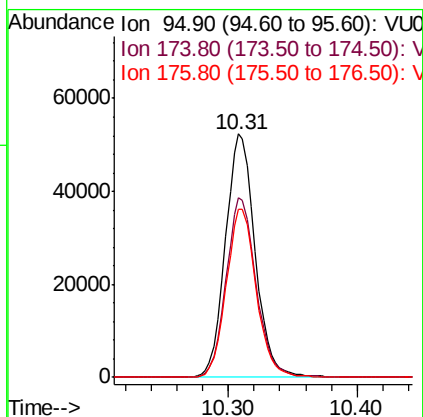
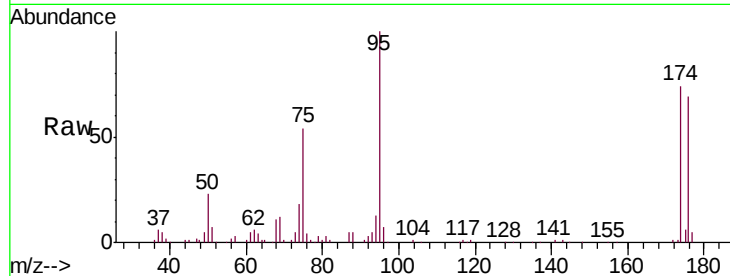




#62
4-Bromofluorobenzene
Concen: 46.360 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027024.D
Acq: 22 Sep 2018 18:31

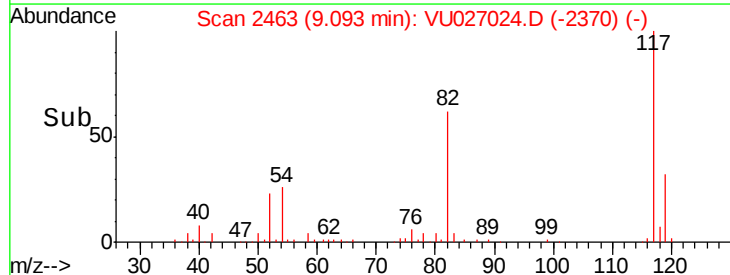
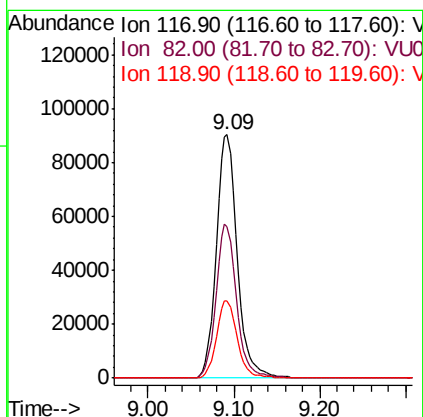
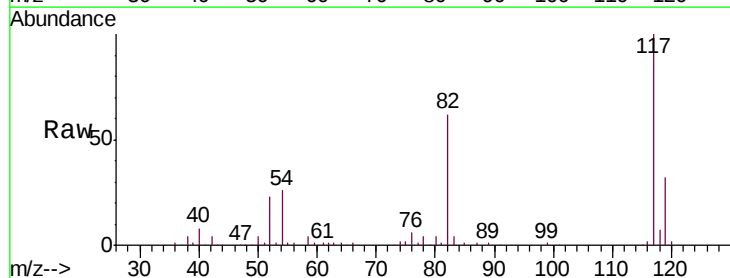
Instrument :
MSVOA_U
ClientSampleId :
BP-AOC22-MW03-20180915

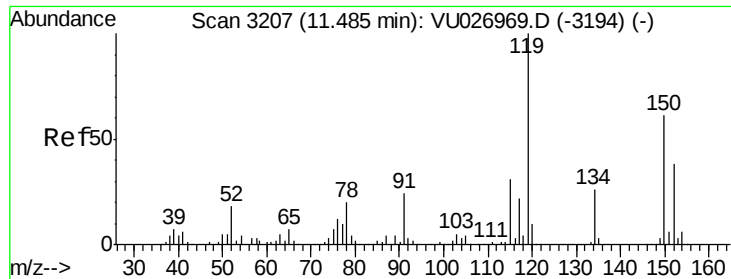
Tgt Ion: 95 Resp: 83341
Ion Ratio Lower Upper
95 100
174 74.6 0.0 150.2
176 69.9 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VU027024.D
Acq: 22 Sep 2018 18:31

Tgt Ion: 117 Resp: 153010
Ion Ratio Lower Upper
117 100
82 62.0 48.0 72.0
119 31.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

BP-AOC22-MW03-20180915

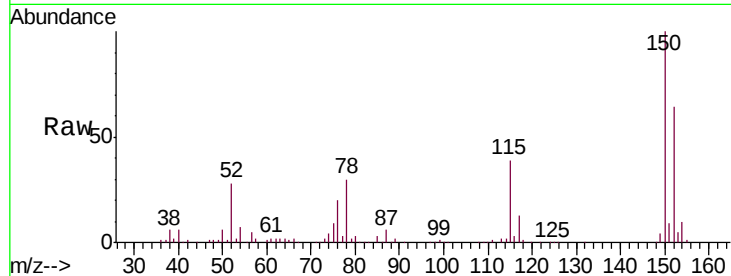
Tgt Ion: 152 Resp: 74346

Ion Ratio Lower Upper

152 100

115 60.3 44.9 134.5

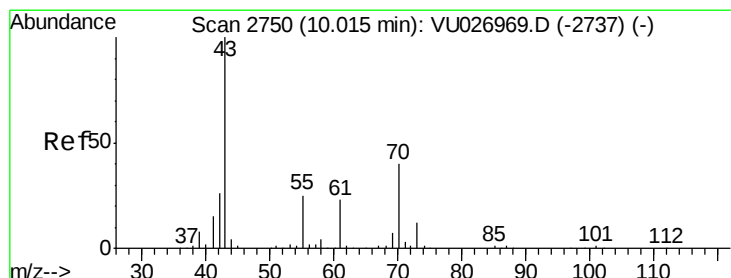
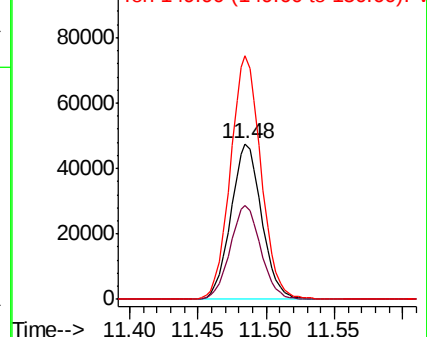
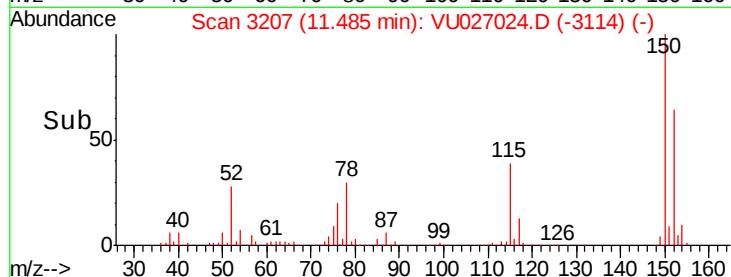
150 155.2 0.0 355.8



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



#74

N-ethyl acetate

Concen: 0.297 ug/l

RT: 10.09 min Scan# 2772

Delta R.T. 0.07 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

Tgt Ion: 43 Resp: 972

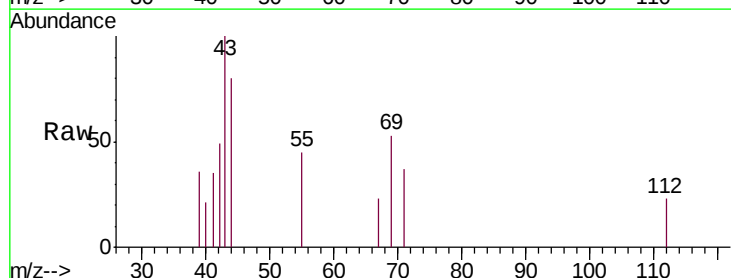
Ion Ratio Lower Upper

43 100

70 0.0 31.8 47.8#

55 34.5 19.9 29.9#

61 0.0 18.4 27.6#

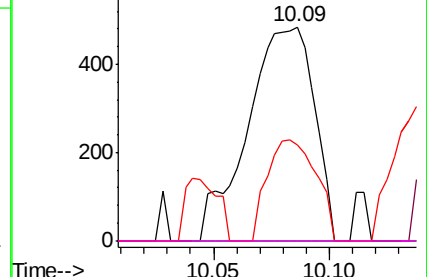
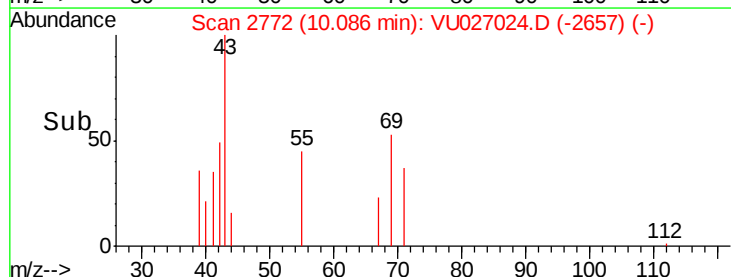


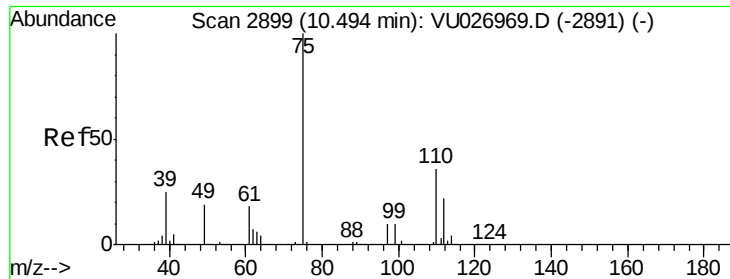
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 19.857 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

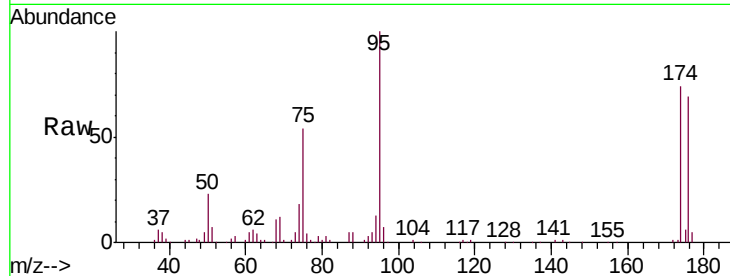
BP-AOC22-MW03-20180915

Tgt Ion: 75 Resp: 44849

Ion Ratio Lower Upper

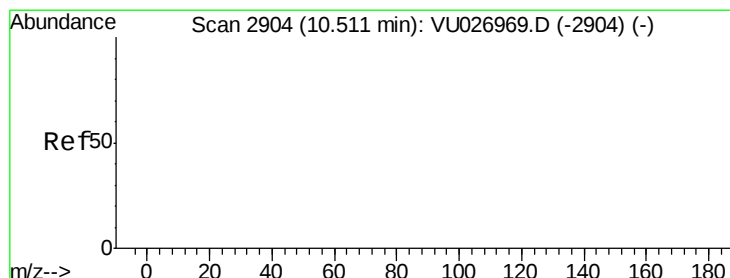
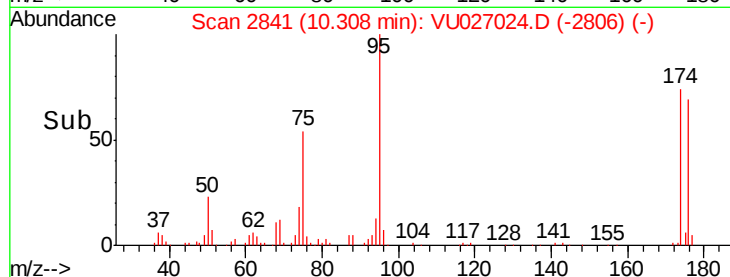
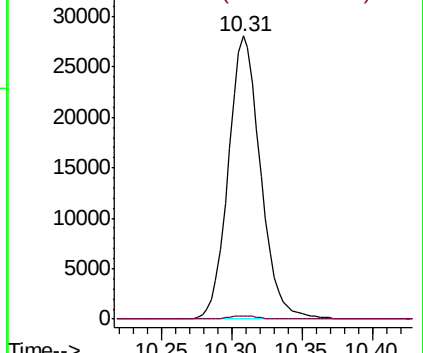
75 100

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: 63.546 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

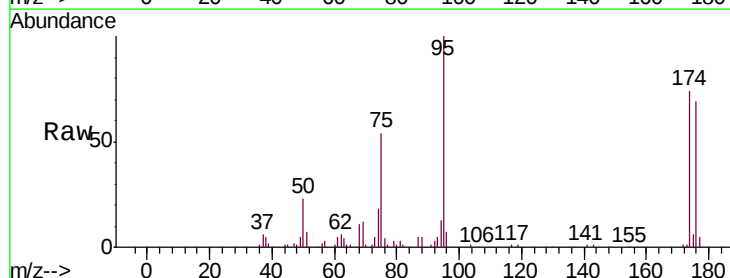
Tgt Ion: 75 Resp: 44849

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

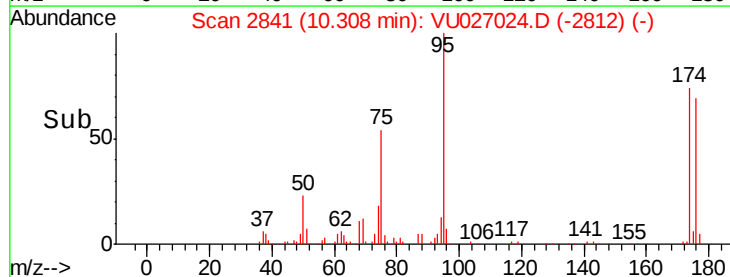
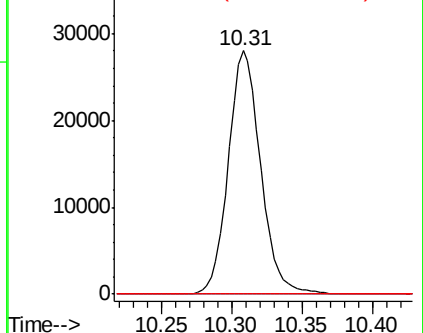
89 0.0 0.0 0.0

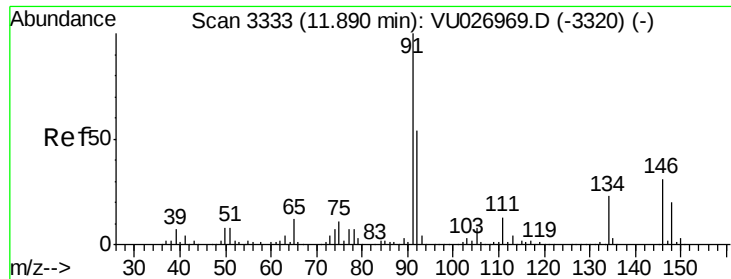


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#89

n-Butylbenzene

Concen: 2.409 ug/l

RT: 11.90 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

BP-AOC22-MW03-20180915

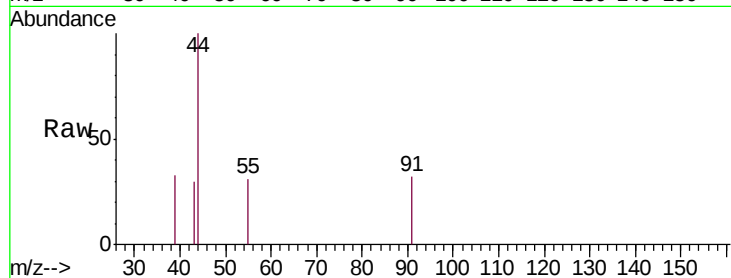
Tgt Ion: 91 Resp: 87

Ion Ratio Lower Upper

91 100

92 0.0 27.1 81.2#

134 0.0 11.7 35.0#

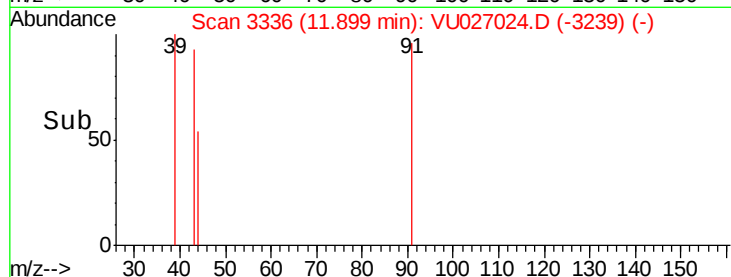


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

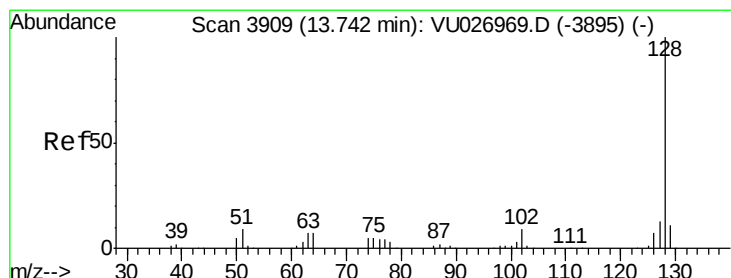
Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

Time-->



Time-->



#95

Naphthalene

Concen: 1.763 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU027024.D

Acq: 22 Sep 2018 18:31

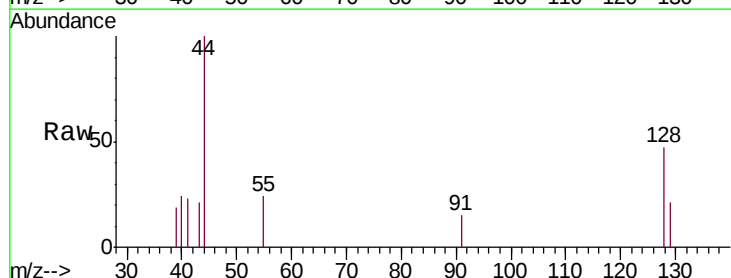
Tgt Ion: 128 Resp: 469

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 19.6 8.6 12.8#

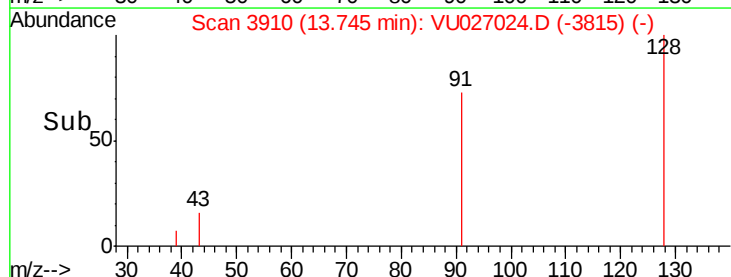


Abundance Ion 128.00 (127.70 to 128.70): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

Time-->



Time-->