

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027264.D
 Acq On : 28 Sep 2018 12:22
 Operator : MD/SY
 Sample : J5038-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPMW07S-Y4S3

Quant Time: Sep 28 16:17:42 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

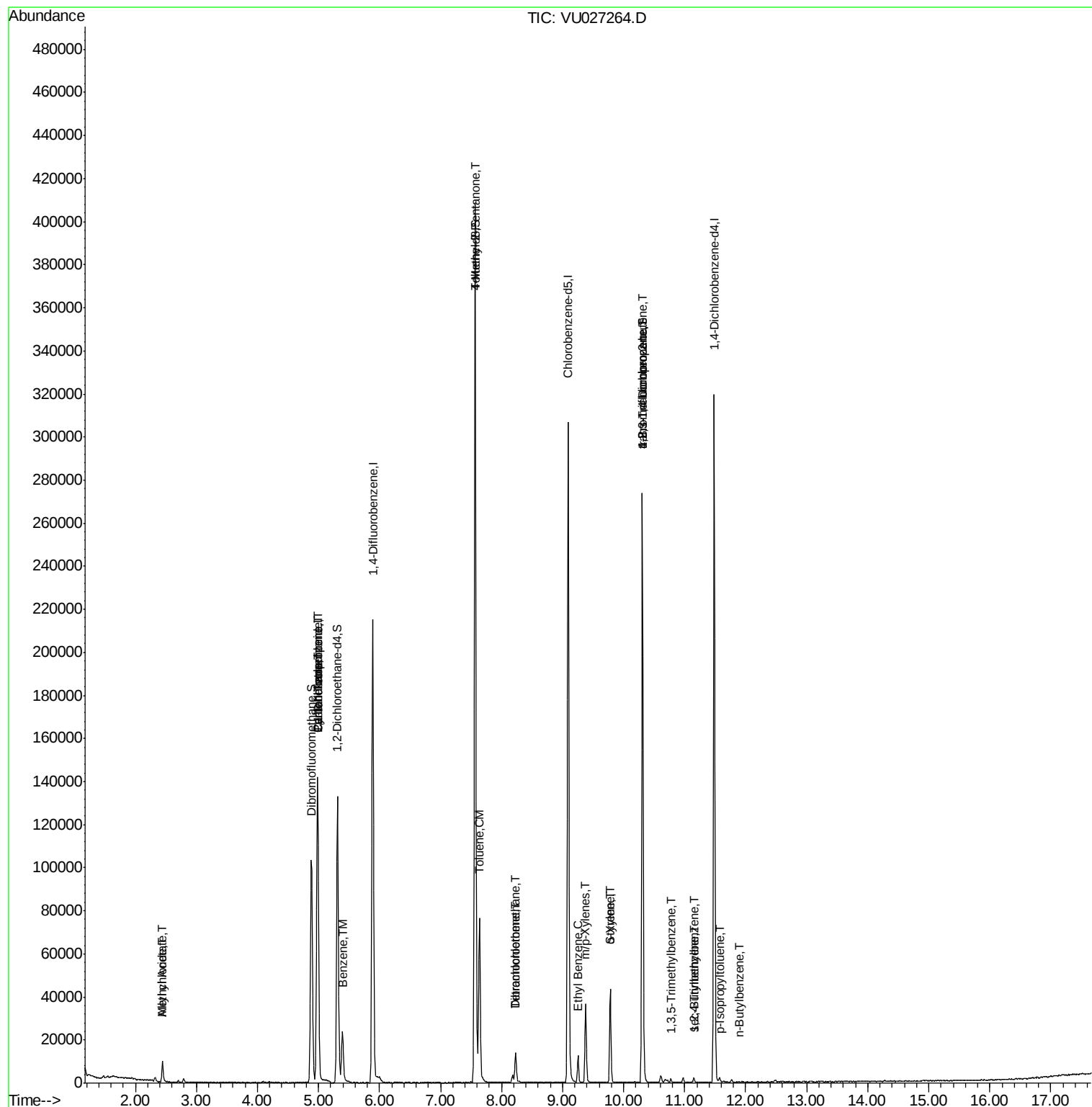
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	99018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	167284	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	160710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76036	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	102557	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
35) Dibromofluoromethane	4.88	113	71624	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	7.57	98	269741	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	10.31	95	89382	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
Target Compounds						
					Qvalue	
14) Allyl chloride	2.44	41	959	0.346	ug/l #	73
16) Acetone	2.32	43	2518	Below Cal		99
18) Methyl Acetate	2.44	43	2306	0.813	ug/l #	55
31) Cyclohexane	4.99	56	4290	0.879	ug/l #	23
36) 1,1-Dichloropropene	4.99	75	9319	4.174	ug/l #	48
38) Carbon Tetrachloride	4.99	117	9867	4.644	ug/l #	17
40) Benzene	5.40	78	22196	3.270	ug/l	98
51) 4-Methyl-2-Pentanone	7.57	43	1314	0.443	ug/l #	1
52) Toluene	7.64	92	29491	7.581	ug/l	96
60) Dibromochloromethane	8.23	129	2846	1.760	ug/l #	11
64) Tetrachloroethene	8.23	164	3172	2.561	ug/l	92
67) Ethyl Benzene	9.25	91	8930	1.274	ug/l	98
68) m/p-Xylenes	9.38	106	10141	5.021	ug/l	100
69) o-Xylene	9.78	106	11202	4.512	ug/l	100
70) Styrene	9.78	104	711	1.958	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	48320	20.918	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.77	105	1303	0.273	ug/l	80
81) trans-1,4-Dichloro-2-buten	10.31	75	48320	66.942	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	1742	0.359	ug/l	90
85) sec-Butylbenzene	11.15	105	1742	0.302	ug/l #	58
86) p-Isopropyltoluene	11.57	119	81	0.942	ug/l #	50
89) n-Butylbenzene	11.89	91	93	2.409	ug/l #	33

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

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Quant Time: Sep 28 16:17:42 2018
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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: VU027264.D

Acq: 28 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

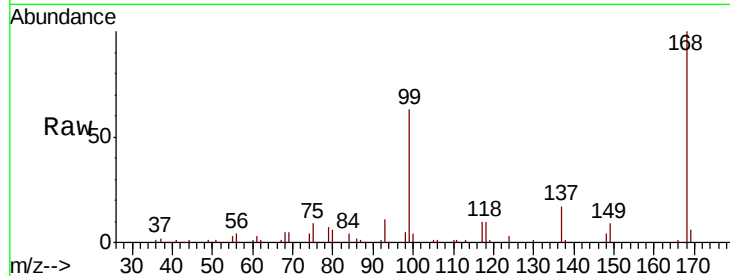
CPMW07S-Y4S3

Tot Ion:168 Resp: 99018

Ion Ratio Lower Upper

168 100

99 62.5 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

50000

40000

30000

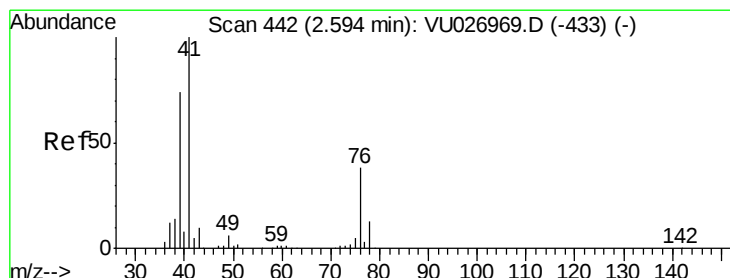
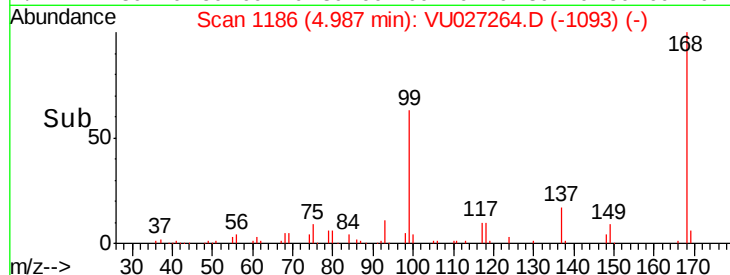
20000

10000

0

Time-->

4.90 4.95 5.00 5.05



#14

Allyl chloride

Concen: 0.346 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU027264.D

Acq: 28 Sep 2018 12:22

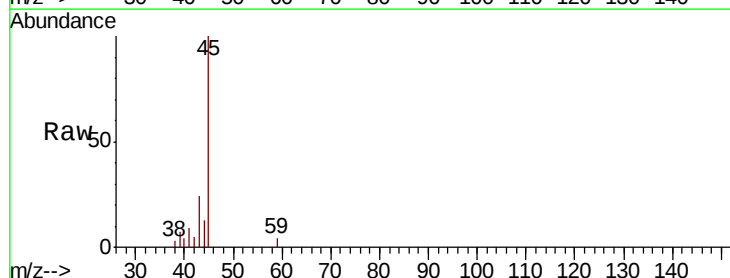
Tgt Ion: 41 Resp: 959

Ion Ratio Lower Upper

41 100

39 79.1 55.7 83.5

76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

2.44

600

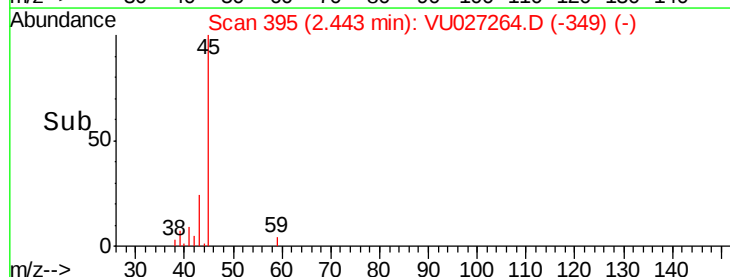
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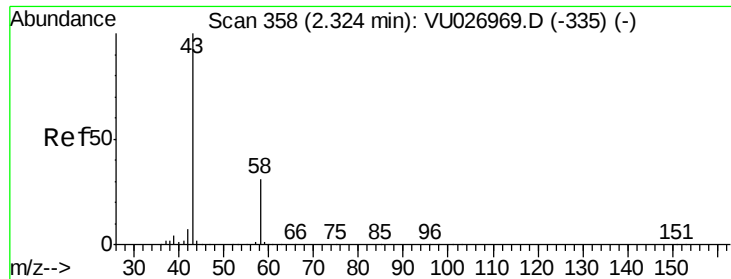
200

0

Time-->

2.40 2.45





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027264.D

Acq: 28 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

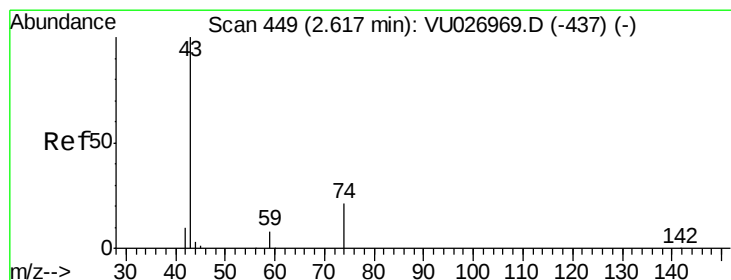
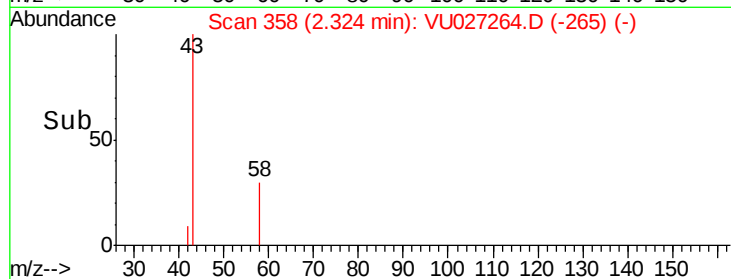
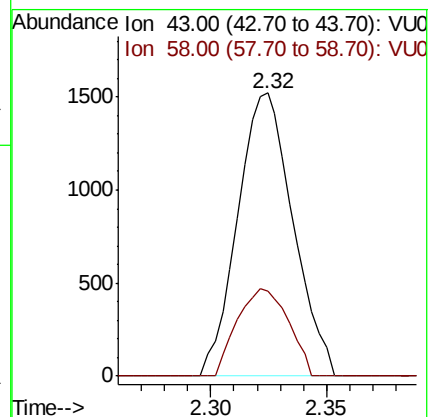
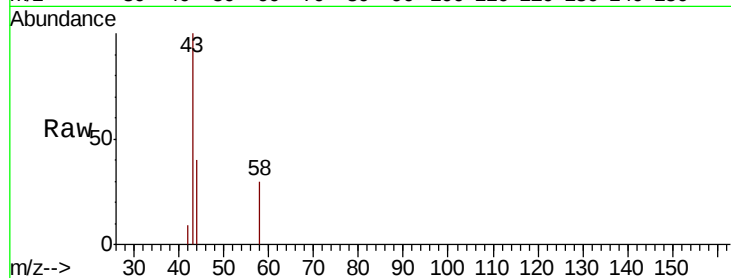
CPMW07S-Y4S3

Tot Ion: 43 Resp: 2518

Ion Ratio Lower Upper

43 100

58 30.0 24.6 36.8



#18

Methyl Acetate

Concen: 0.813 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027264.D

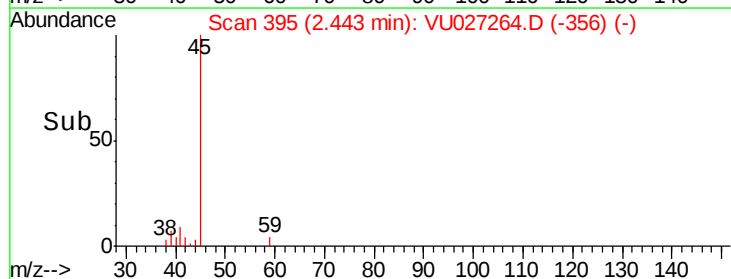
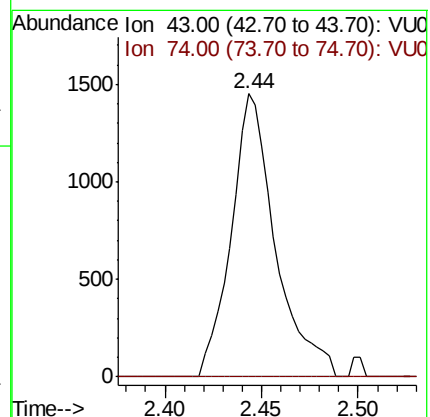
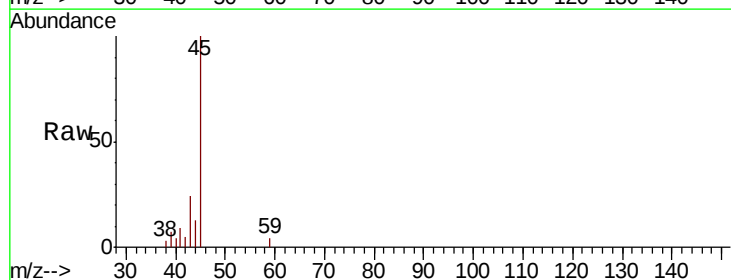
Acq: 28 Sep 2018 12:22

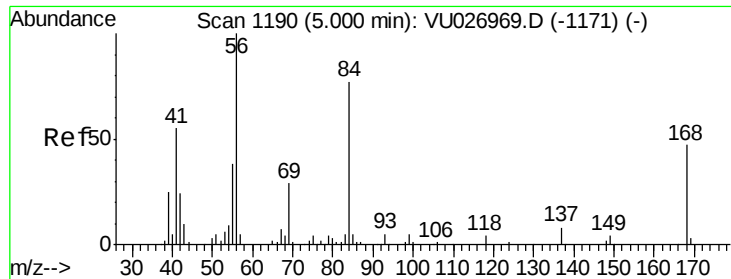
Tgt Ion: 43 Resp: 2306

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

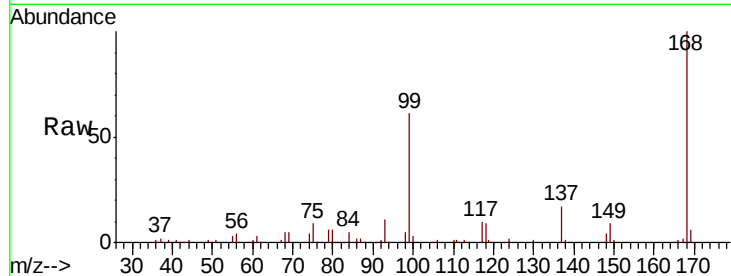




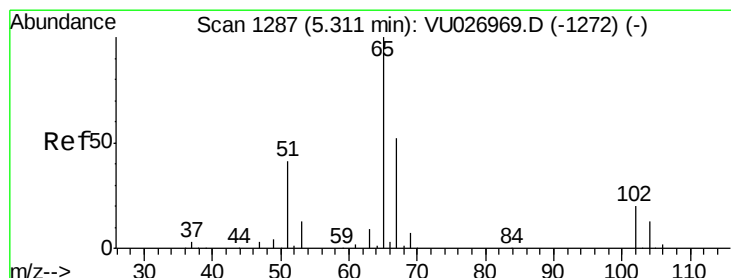
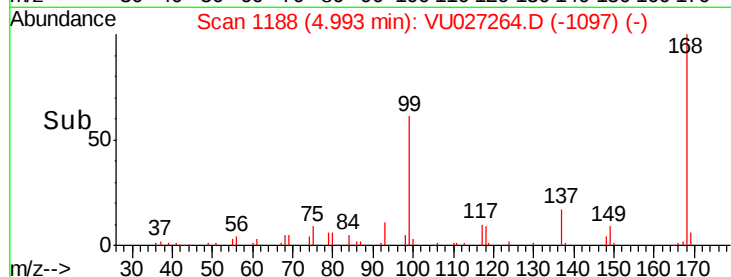
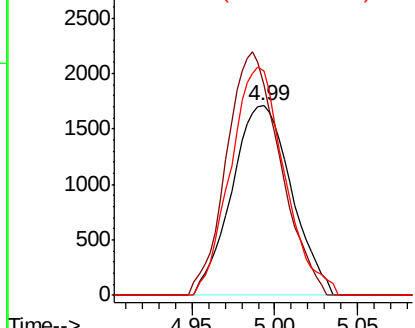
#31
Cyclohexane
Concen: 0.879 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.01 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
CPMW07S-Y4S3

Tot Ion: 56 Resp: 4290
Ion Ratio Lower Upper
56 100
69 111.2 23.0 34.4#
84 118.2 61.4 92.2#

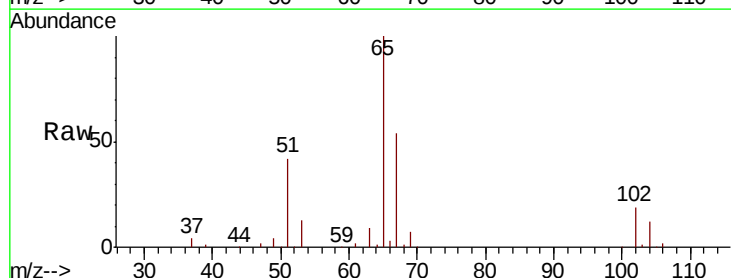


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

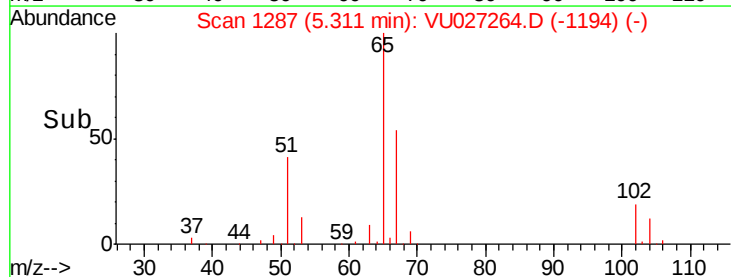
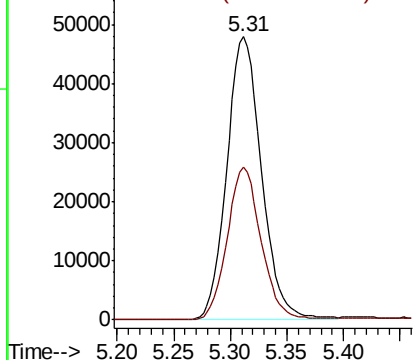


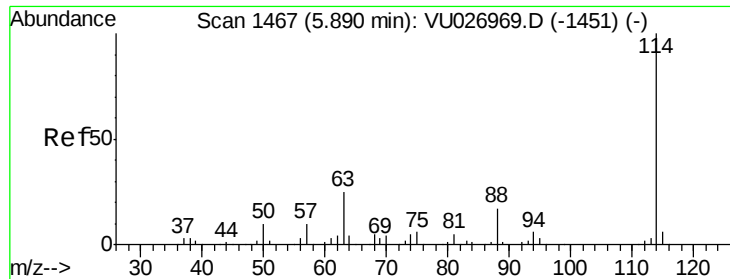
#33
1,2-Dichloroethane-d4
Concen: 51.461 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Tgt Ion: 65 Resp: 102557
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.6



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

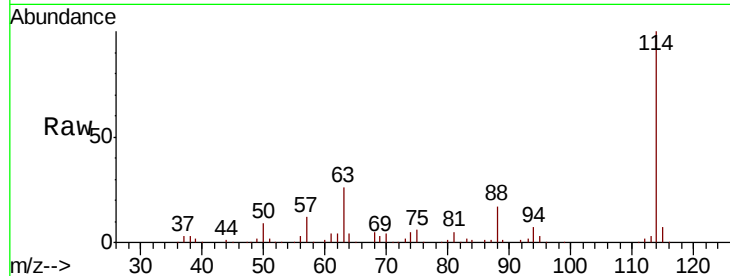




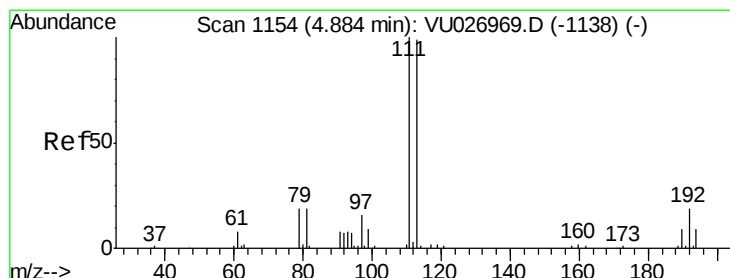
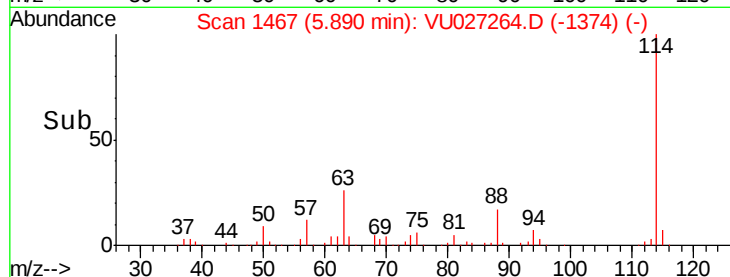
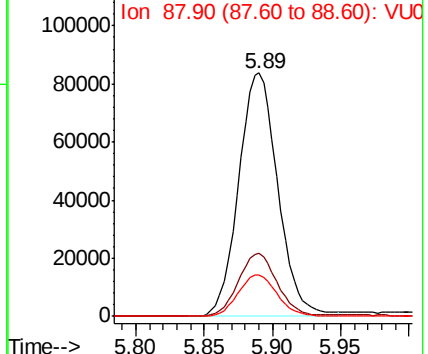
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027264.D
 Acq: 28 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 CPMW07S-Y4S3

Tot Ion:114 Resp: 167284
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 49.2
 88 17.1 0.0 33.8

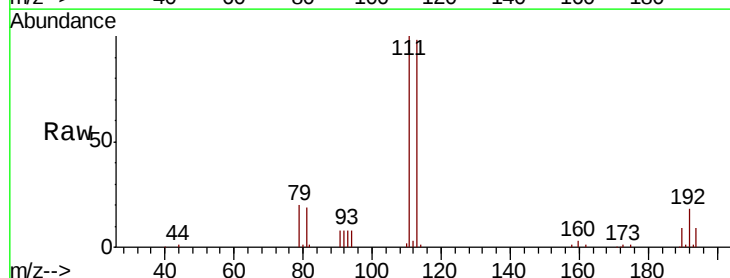


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

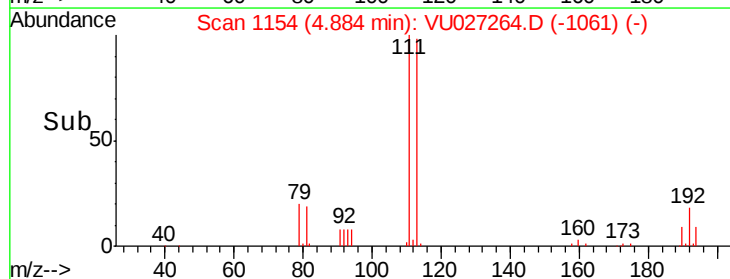
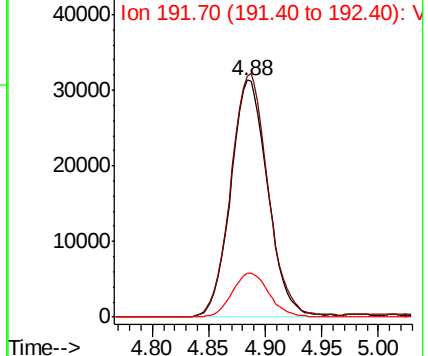


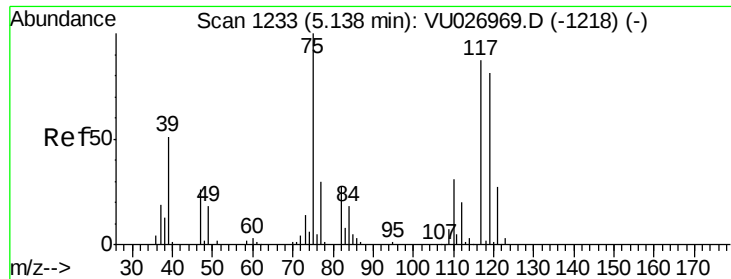
#35
 Dibromofluoromethane
 Concen: 49.395 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027264.D
 Acq: 28 Sep 2018 12:22

Tgt Ion:113 Resp: 71624
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 18.4 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

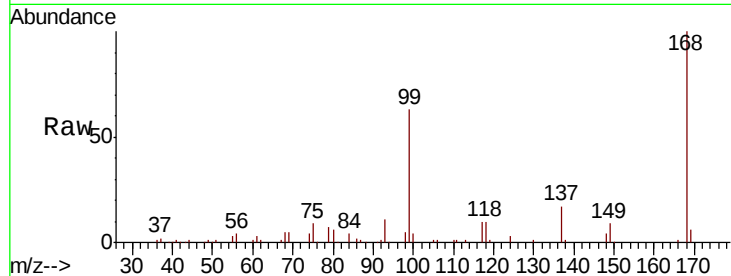




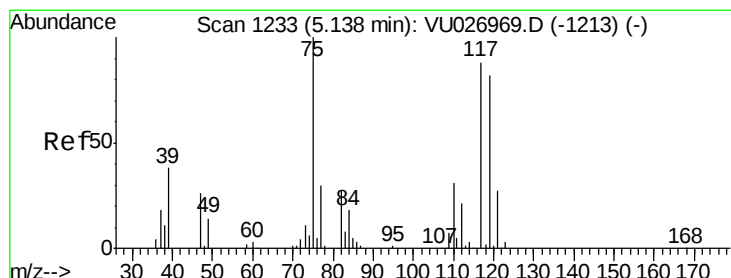
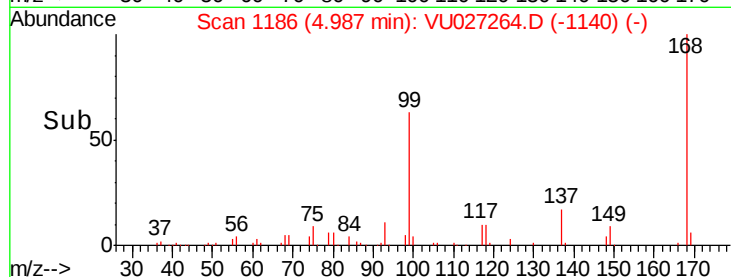
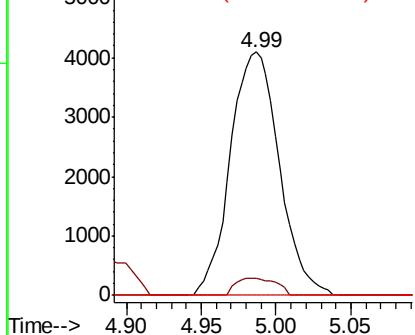
#36
 1,1-Dichloropropene
 Concen: 4.174 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027264.D
 Acq: 28 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 CPMW07S-Y4S3

Tot Ion: 75 Resp: 9319
 Ion Ratio Lower Upper
 75 100
 110 5.8 16.1 48.2#
 77 0.0 24.6 36.8#

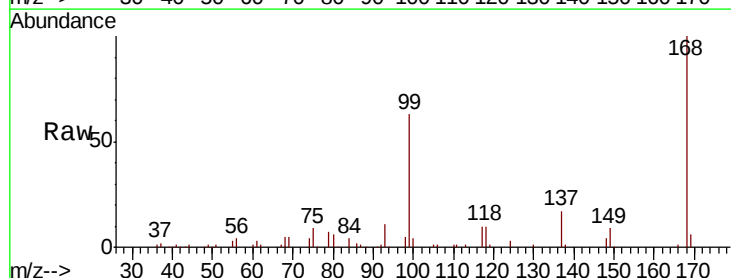


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

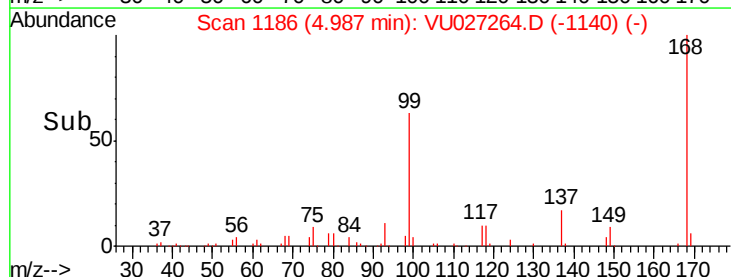
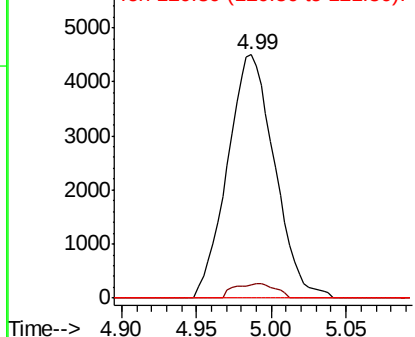


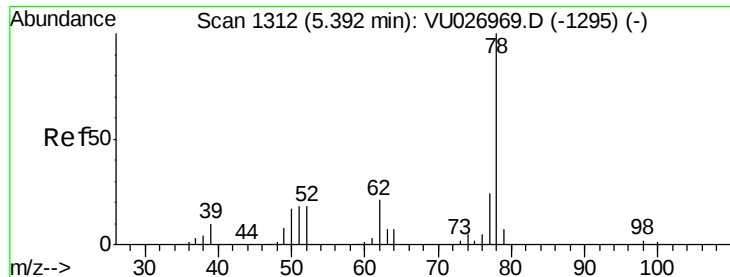
#38
 Carbon Tetrachloride
 Concen: 4.644 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027264.D
 Acq: 28 Sep 2018 12:22

Tgt Ion: 117 Resp: 9867
 Ion Ratio Lower Upper
 117 100
 119 5.4 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





#40

Benzene

Concen: 3.270 ug/l

RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027264.D

Acq: 28 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

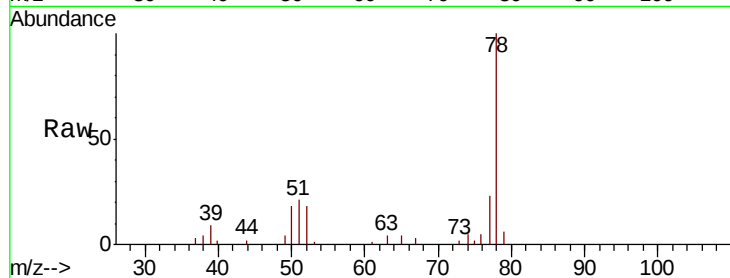
CPMW07S-Y4S3

Tot Ion: 78 Resp: 22196

Ion Ratio Lower Upper

78 100

77 23.0 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.40

12000

10000

8000

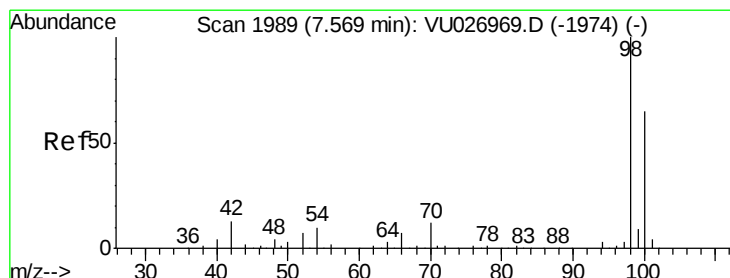
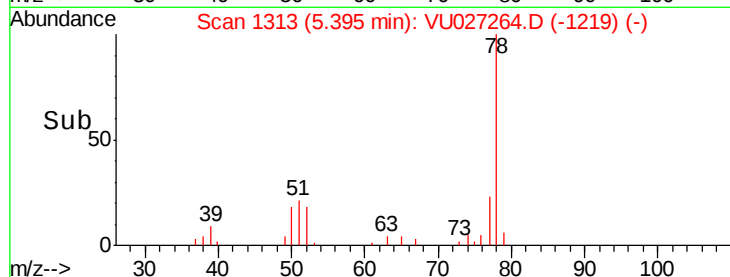
6000

4000

2000

0

Time-->



#50

Toluene-d8

Concen: 48.812 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027264.D

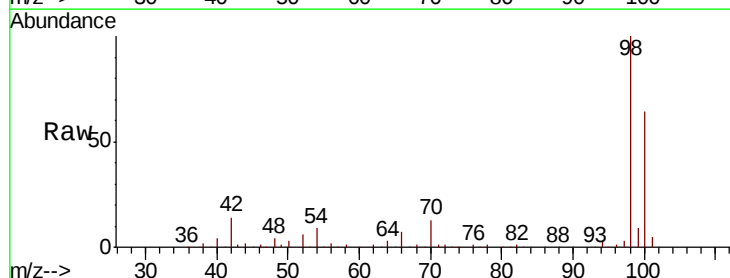
Acq: 28 Sep 2018 12:22

Tgt Ion: 98 Resp: 269741

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

7.57

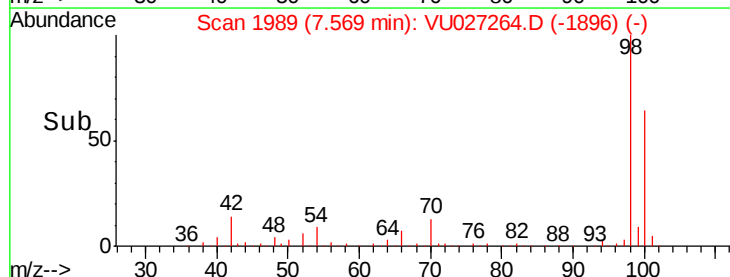
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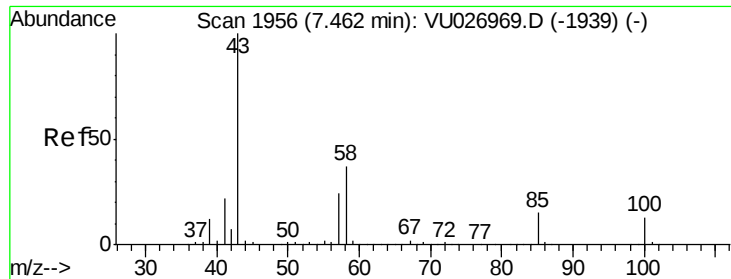
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50000

0

Time-->

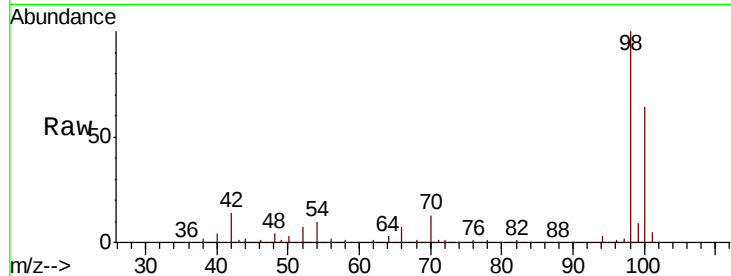




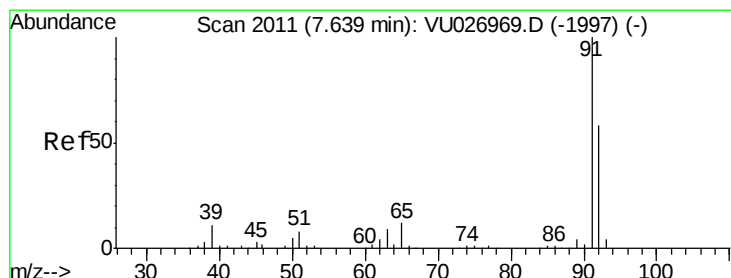
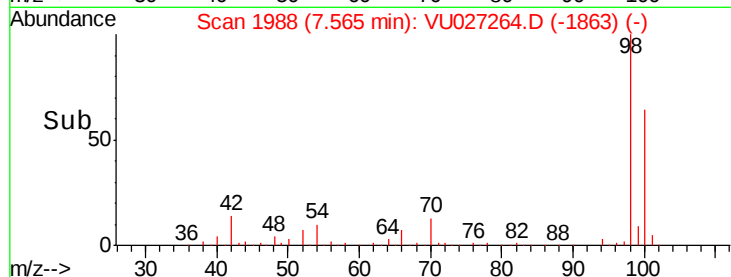
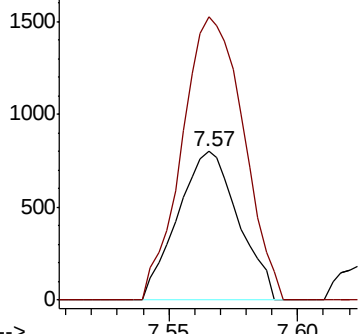
#51
4-Methyl-2-Pentanone
Concen: 0.443 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
CPMW07S-Y4S3

Tot Ion: 43 Resp: 1314
Ion Ratio Lower Upper
43 100
58 193.5 29.8 44.6#

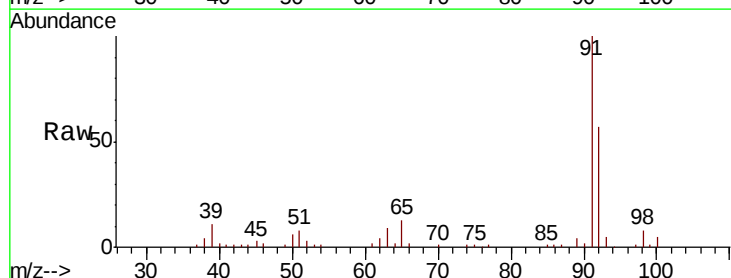


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

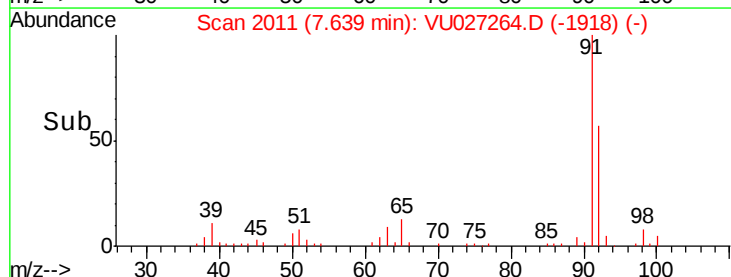
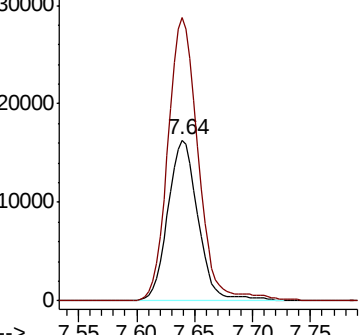


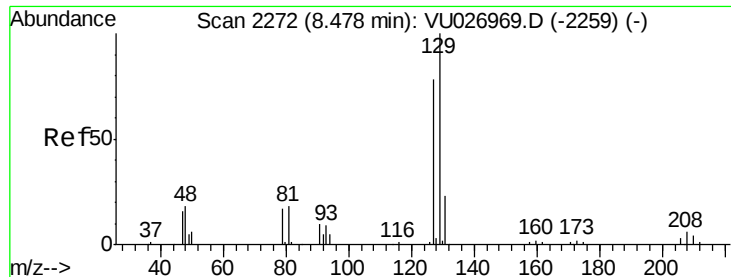
#52
Toluene
Concen: 7.581 ug/l
RT: 7.64 min Scan# 2011
Delta R.T. 0.00 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Tgt Ion: 92 Resp: 29491
Ion Ratio Lower Upper
92 100
91 176.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0





#60

Dibromochloromethane

Concen: 1.760 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU027264.D

Acq: 28 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

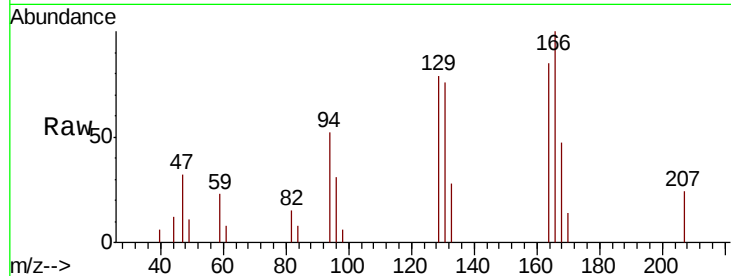
CPMW07S-Y4S3

Tot Ion:129 Resp: 2846

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.23

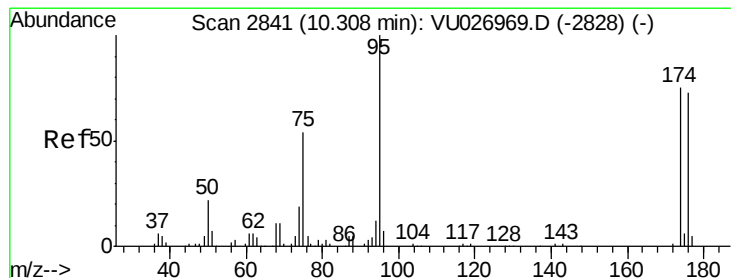
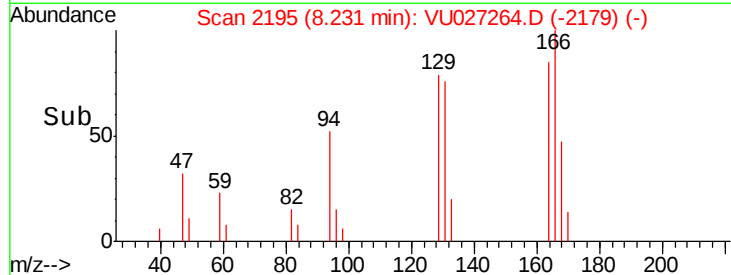
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.138 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027264.D

Acq: 28 Sep 2018 12:22

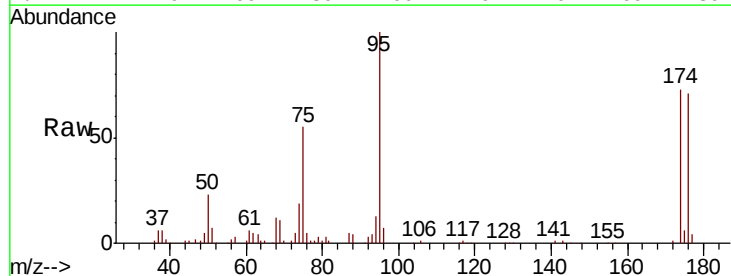
Tgt Ion: 95 Resp: 89382

Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.2

176 71.3 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

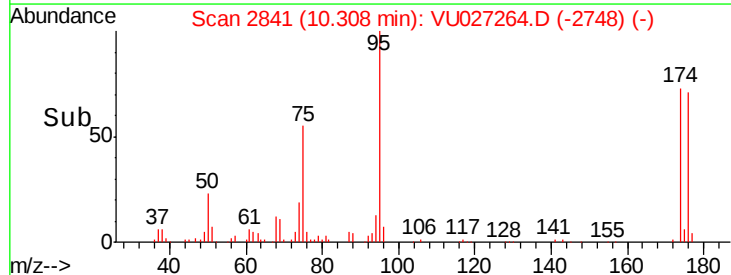
60000

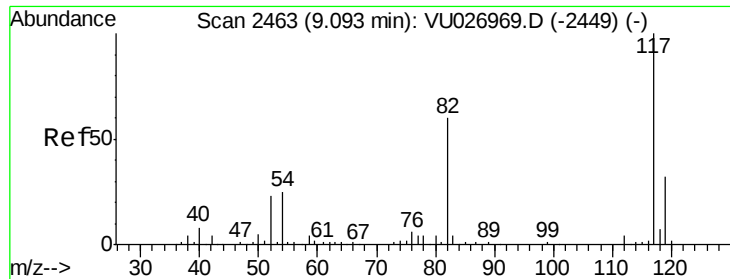
40000

20000

0

Time-->

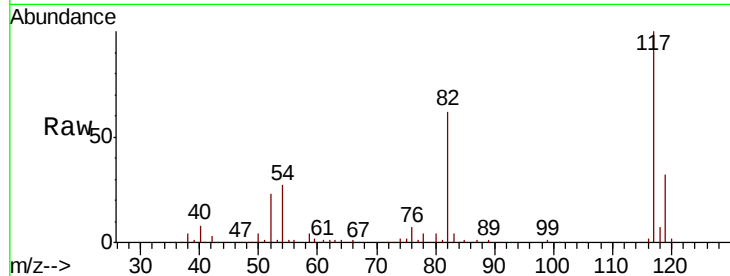




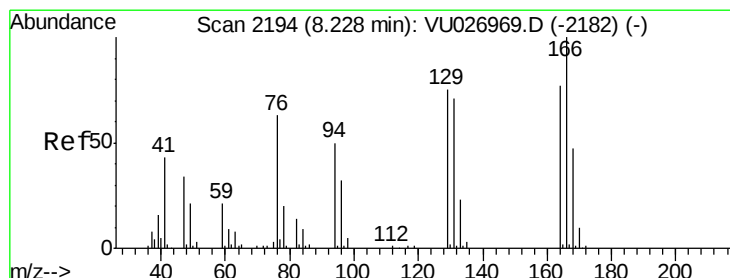
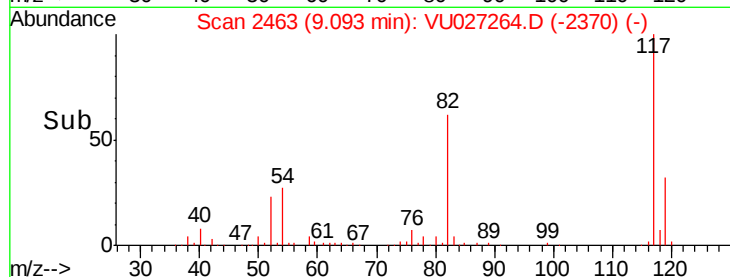
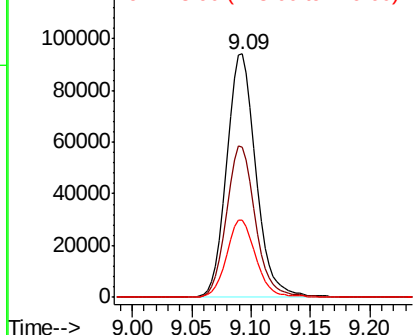
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
CPMW07S-Y4S3

Tot Ion:117 Resp: 160710
Ion Ratio Lower Upper
117 100
82 61.8 48.0 72.0
119 31.9 25.8 38.8



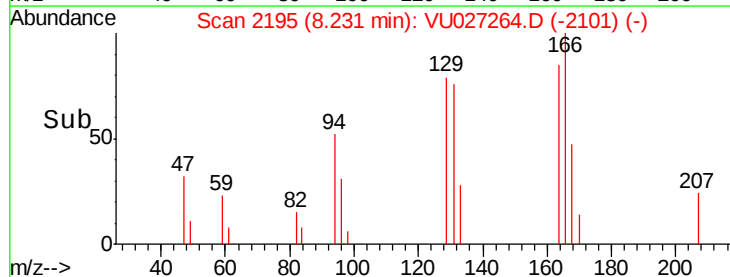
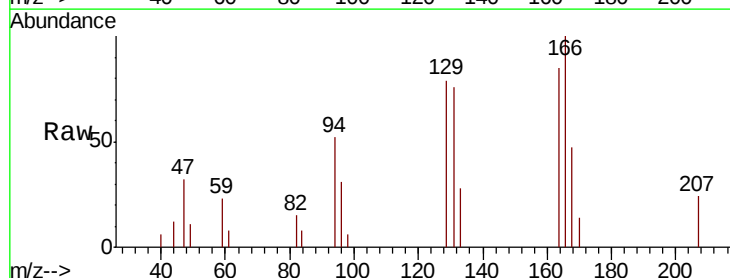
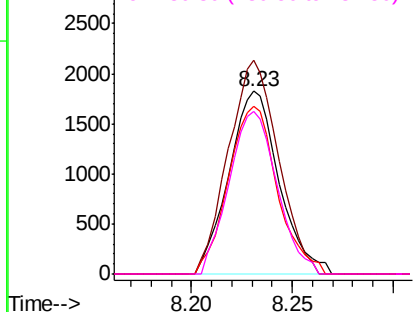
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

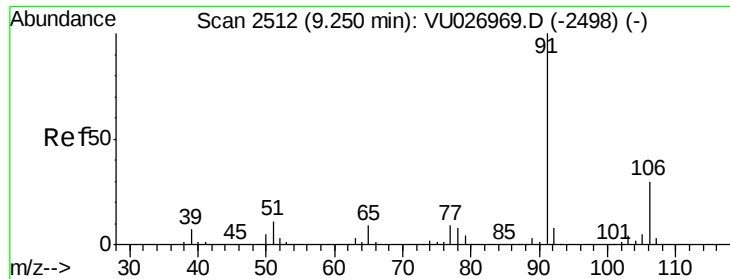


#64
Tetrachloroethene
Concen: 2.561 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Tgt Ion:164 Resp: 3172
Ion Ratio Lower Upper
164 100
166 117.0 104.4 156.6
129 92.2 78.7 118.1
131 88.9 73.9 110.9

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

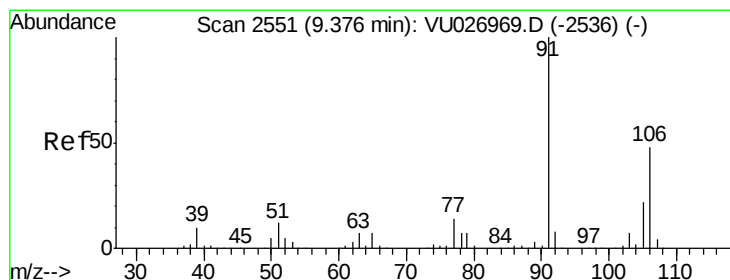
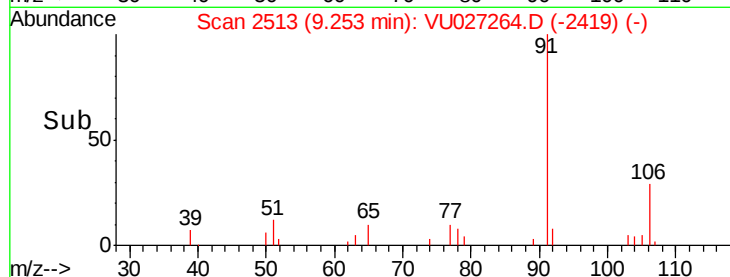
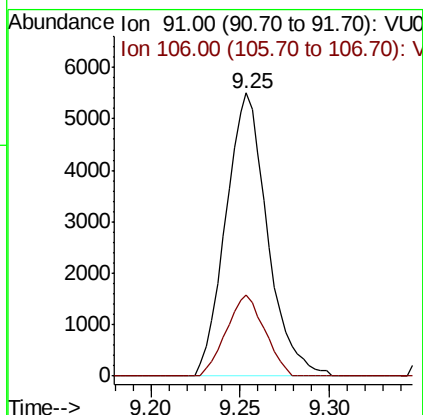
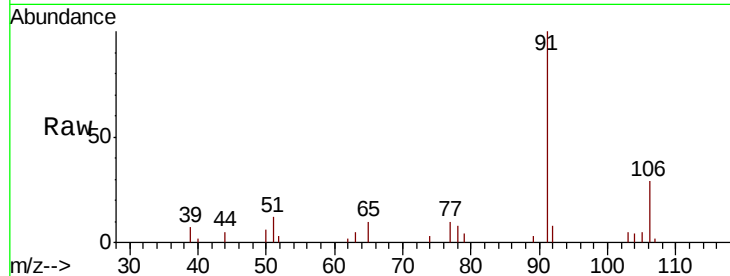




#67
Ethyl Benzene
Concen: 1.274 ug/l
RT: 9.25 min Scan# 2513
Delta R.T. 0.00 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

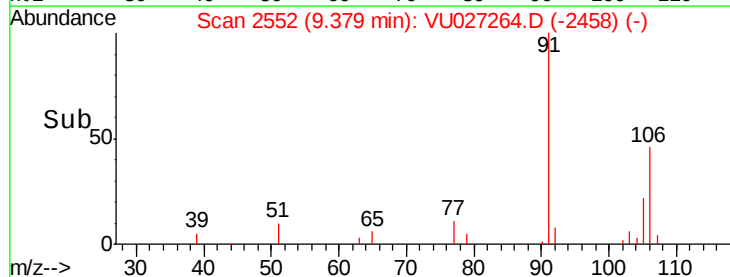
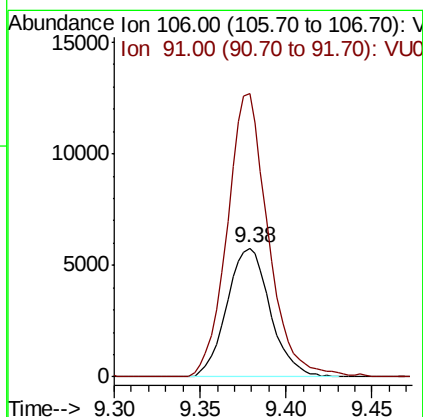
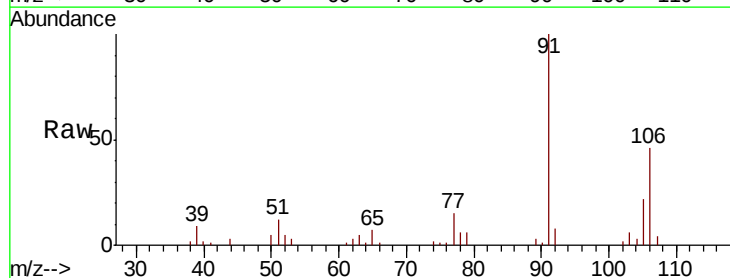
Instrument :
MSVOA_U
ClientSampleId :
CPMW07S-Y4S3

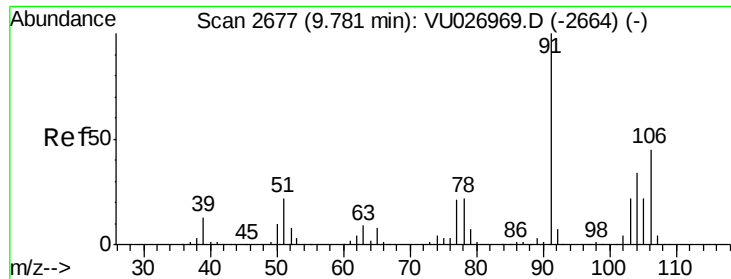
Tot Ion: 91 Resp: 8930
Ion Ratio Lower Upper
91 100
106 28.7 23.8 35.8



#68
m/p-Xylenes
Concen: 5.021 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Tgt Ion: 106 Resp: 10141
Ion Ratio Lower Upper
106 100
91 208.6 166.5 249.7

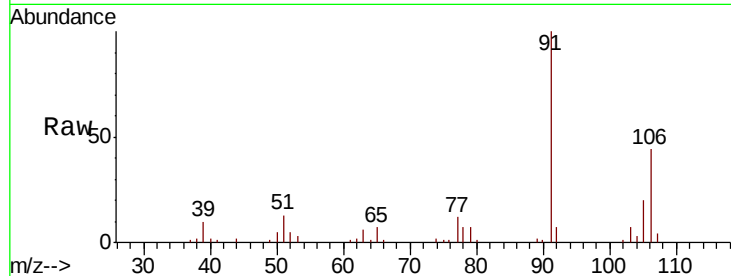




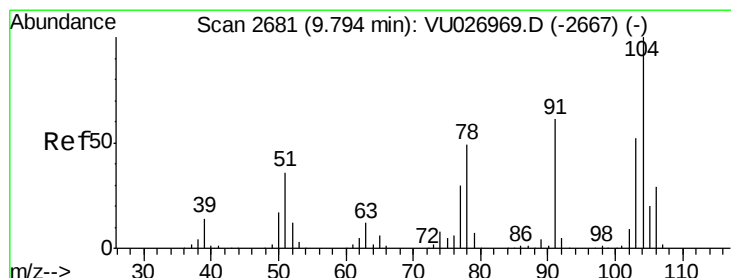
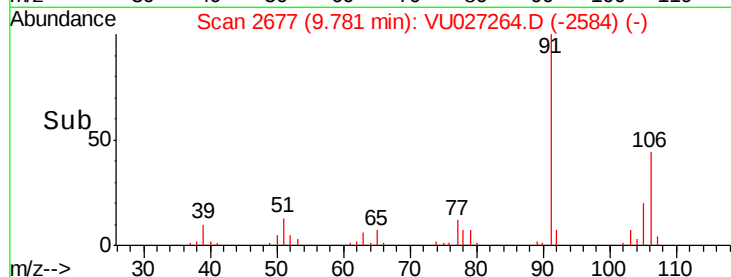
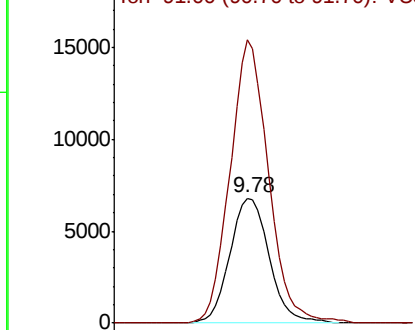
#69
o-Xylene
Concen: 4.512 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
CPMW07S-Y4S3

Tot Ion:106 Resp: 11202
Ion Ratio Lower Upper
106 100
91 221.1 110.2 330.6

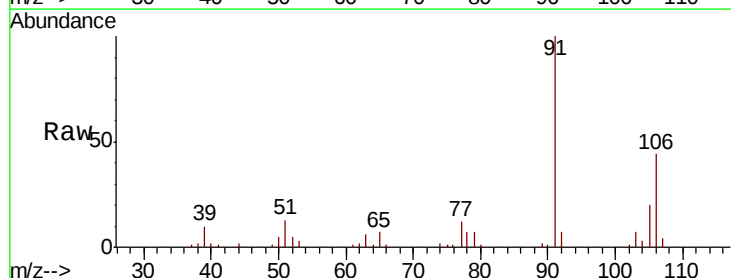


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

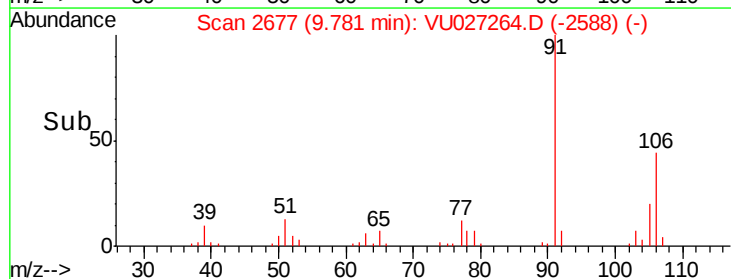
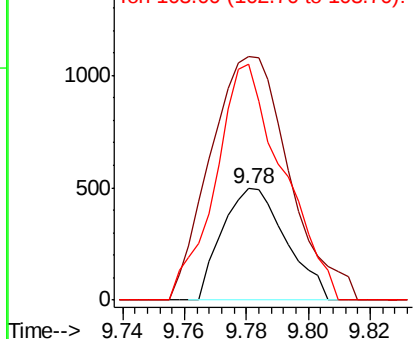


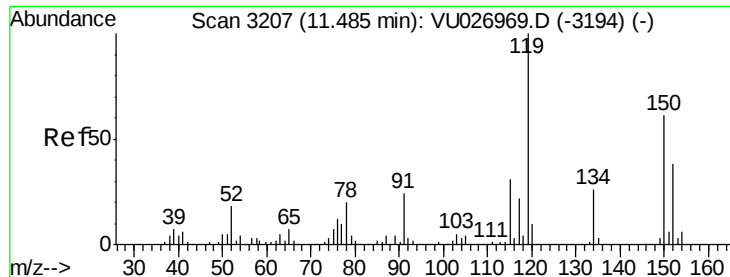
#70
Styrene
Concen: 1.958 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.01 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Tgt Ion:104 Resp: 711
Ion Ratio Lower Upper
104 100
78 270.3 43.0 64.4#
103 224.9 44.1 66.1#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027264.D

Acq: 28 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

CPMW07S-Y4S3

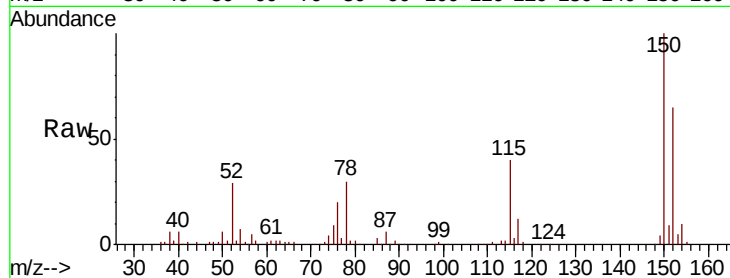
Tot Ion:152 Resp: 76036

Ion Ratio Lower Upper

152 100

115 61.7 44.9 134.5

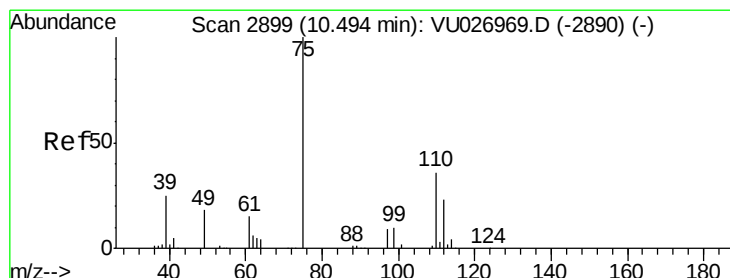
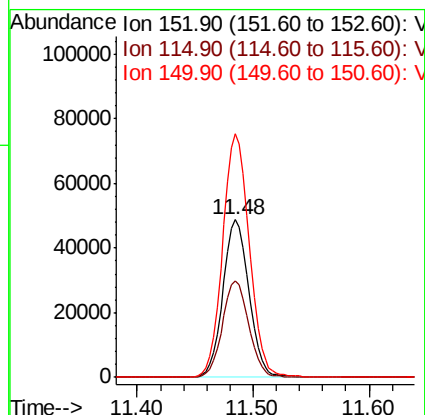
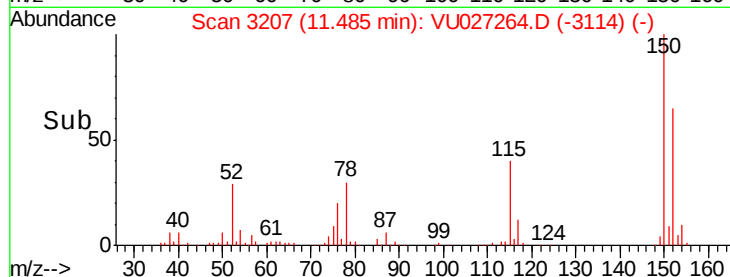
150 157.8 0.0 355.8



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: 20.918 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027264.D

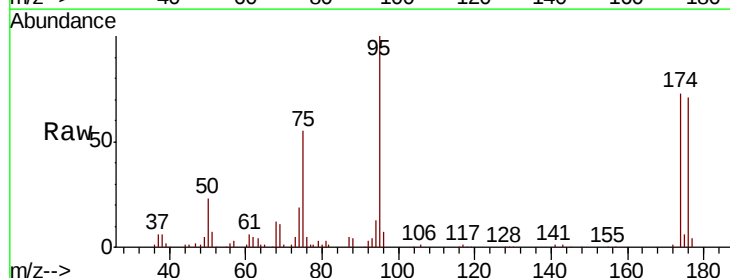
Acq: 28 Sep 2018 12:22

Tgt Ion: 75 Resp: 48320

Ion Ratio Lower Upper

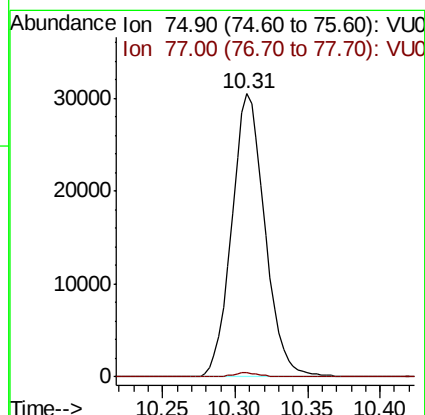
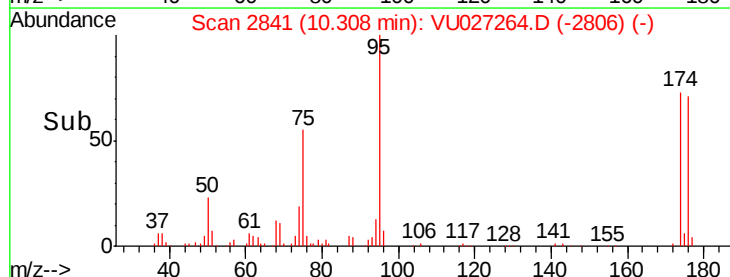
75 100

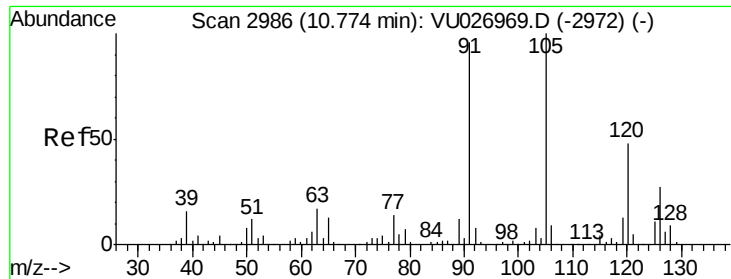
77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

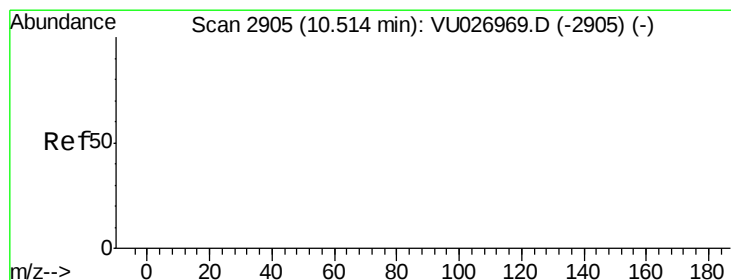
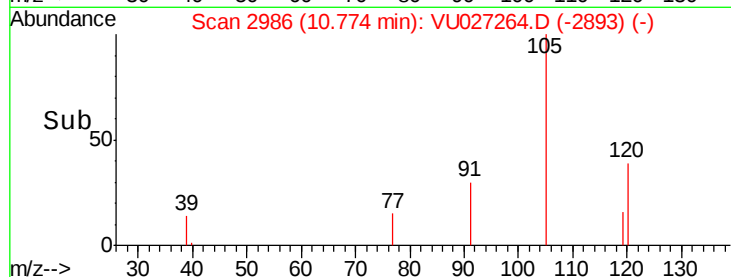
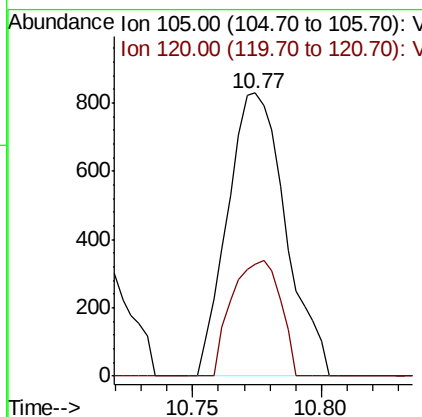
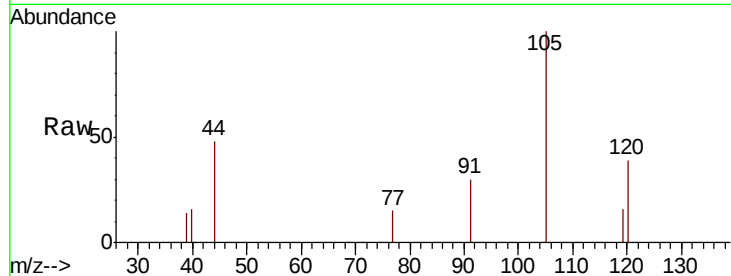




#80
 1,3,5-Trimethylbenzene
 Concen: 0.273 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027264.D
 Acq: 28 Sep 2018 12:22

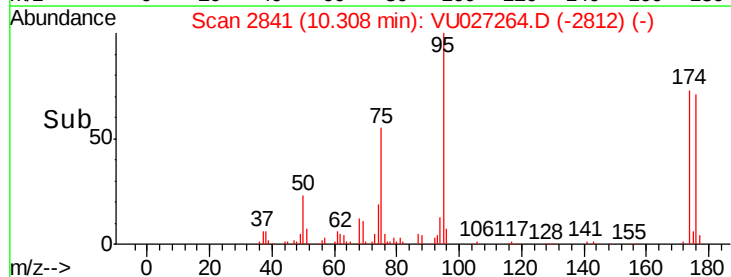
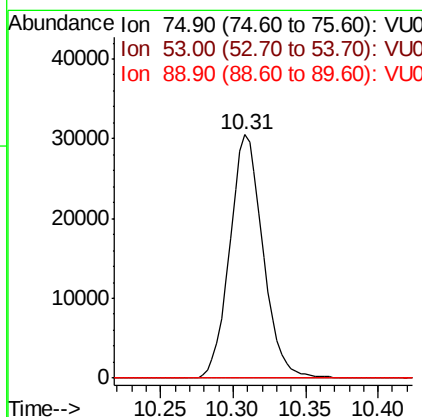
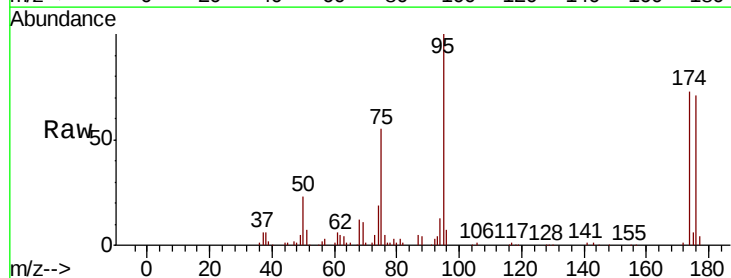
Instrument :
 MSVOA_U
 ClientSampleId :
 CPMW07S-Y4S3

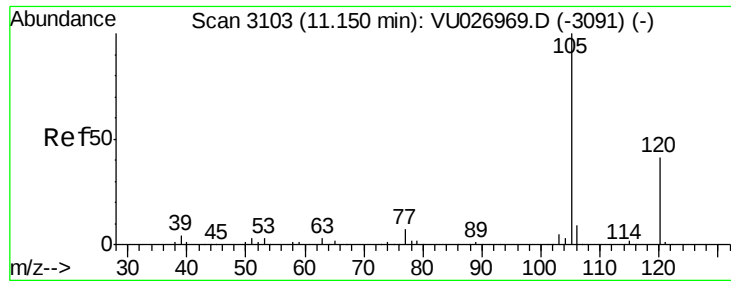
Tot Ion:105 Resp: 1303
 Ion Ratio Lower Upper
 105 100
 120 34.0 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.942 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027264.D
 Acq: 28 Sep 2018 12:22

Tgt Ion: 75 Resp: 48320
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

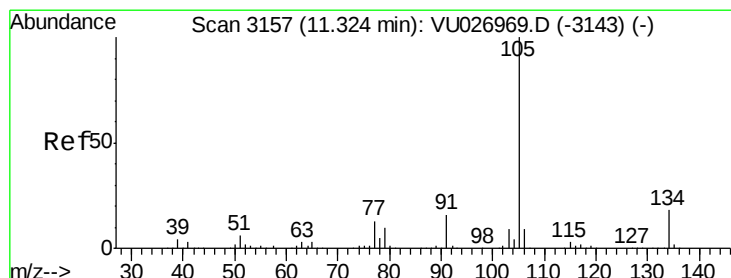
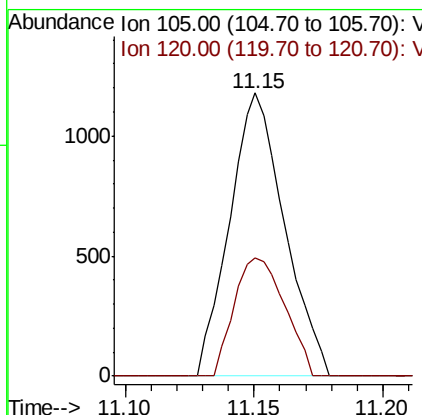
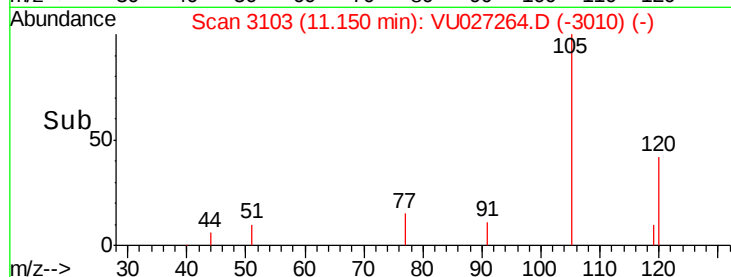
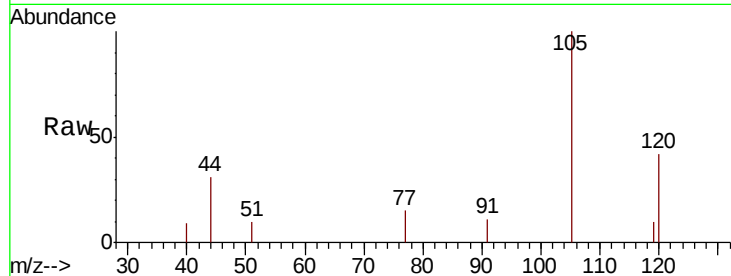




#84
 1,2,4-Trimethylbenzene
 Concen: 0.359 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027264.D
 Acq: 28 Sep 2018 12:22

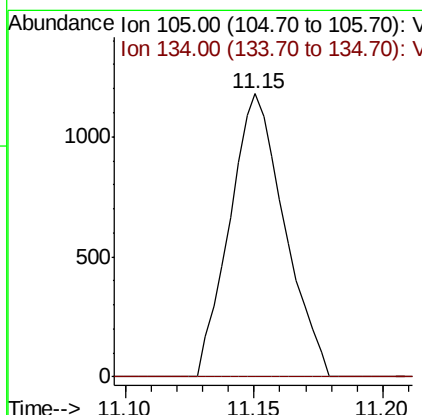
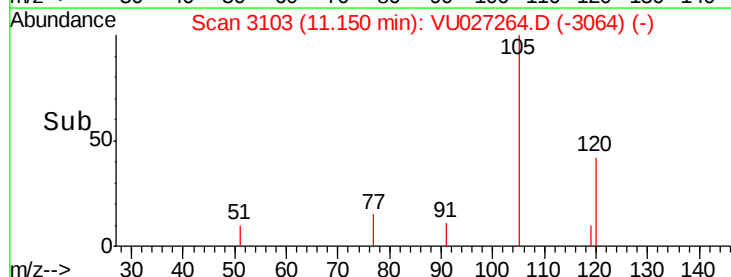
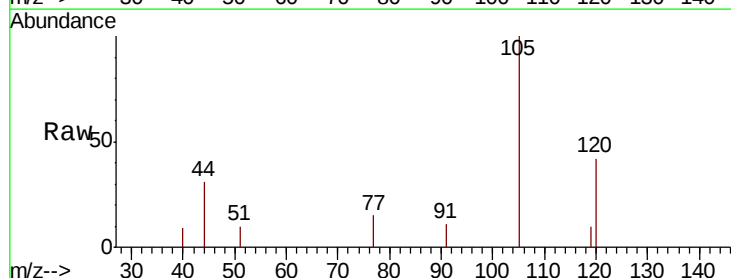
Instrument :
 MSVOA_U
 ClientSampleId :
 CPMW07S-Y4S3

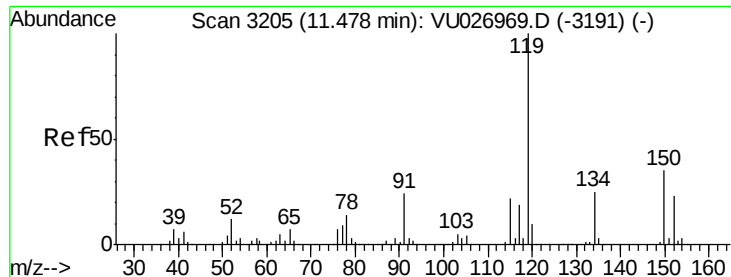
Tot Ion:105 Resp: 1742
 Ion Ratio Lower Upper
 105 100
 120 38.6 22.4 67.2



#85
 sec-Butylbenzene
 Concen: 0.302 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.17 min
 Lab File: VU027264.D
 Acq: 28 Sep 2018 12:22

Tgt Ion:105 Resp: 1742
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#

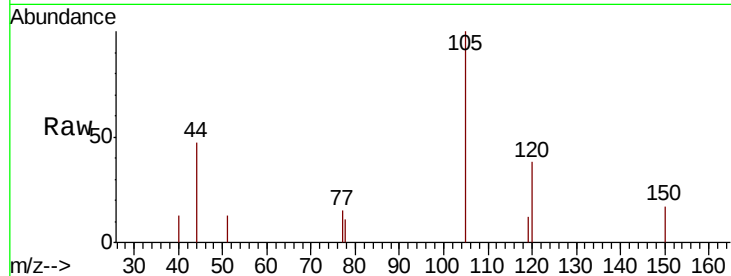




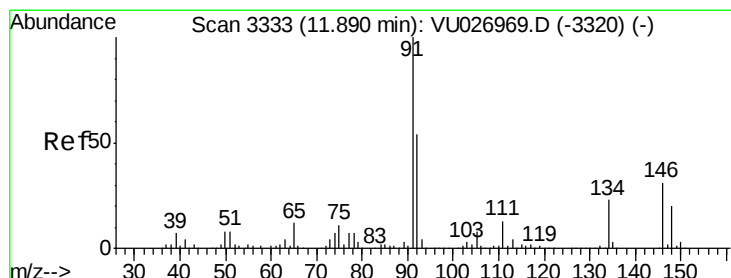
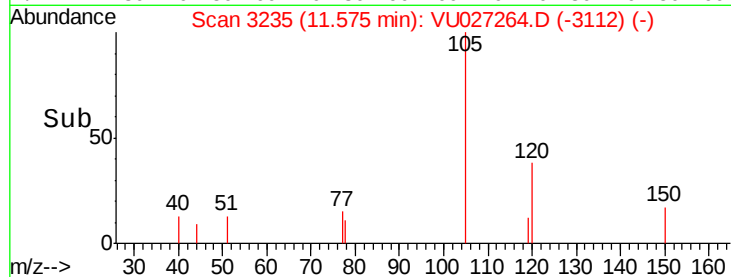
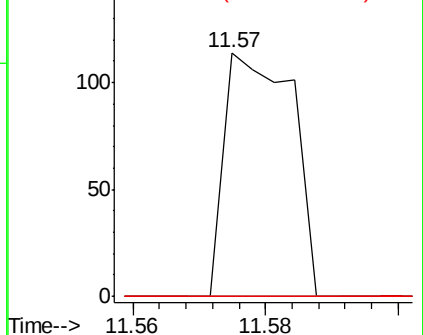
#86
p-Isopropyltoluene
Concen: 0.942 ug/l
RT: 11.57 min Scan# 3235
Delta R.T. 0.10 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
CPMW07S-Y4S3

Tot Ion: 119 Resp: 81
Ion Ratio Lower Upper
119 100
134 0.0 12.8 38.3#
91 0.0 12.3 36.8#

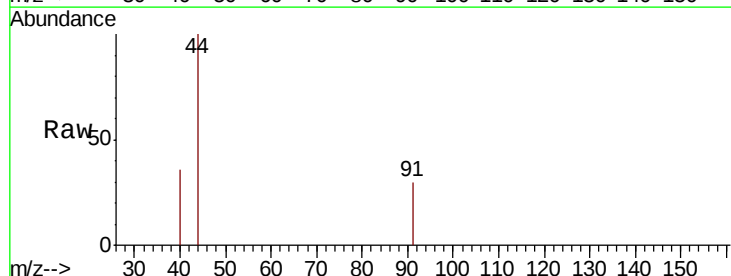


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#89
n-Butylbenzene
Concen: 2.409 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU027264.D
Acq: 28 Sep 2018 12:22

Tgt Ion: 91 Resp: 93
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): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V

