

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027326.D
 Acq On : 01 Oct 2018 18:22
 Operator : MD/SY
 Sample : J5172-26
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 02 07:24:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	101515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	171759	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	164395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78791	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	99253	58.55	ug/l	0.00
Spiked Amount			Recovery	=	117.10%	
35) Dibromofluoromethane	4.89	113	70326	59.74	ug/l	0.00
Spiked Amount			Recovery	=	119.48%	
50) Toluene-d8	7.57	98	272935	61.95	ug/l	0.00
Spiked Amount			Recovery	=	123.90%	
62) 4-Bromofluorobenzene	10.31	95	91536	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	

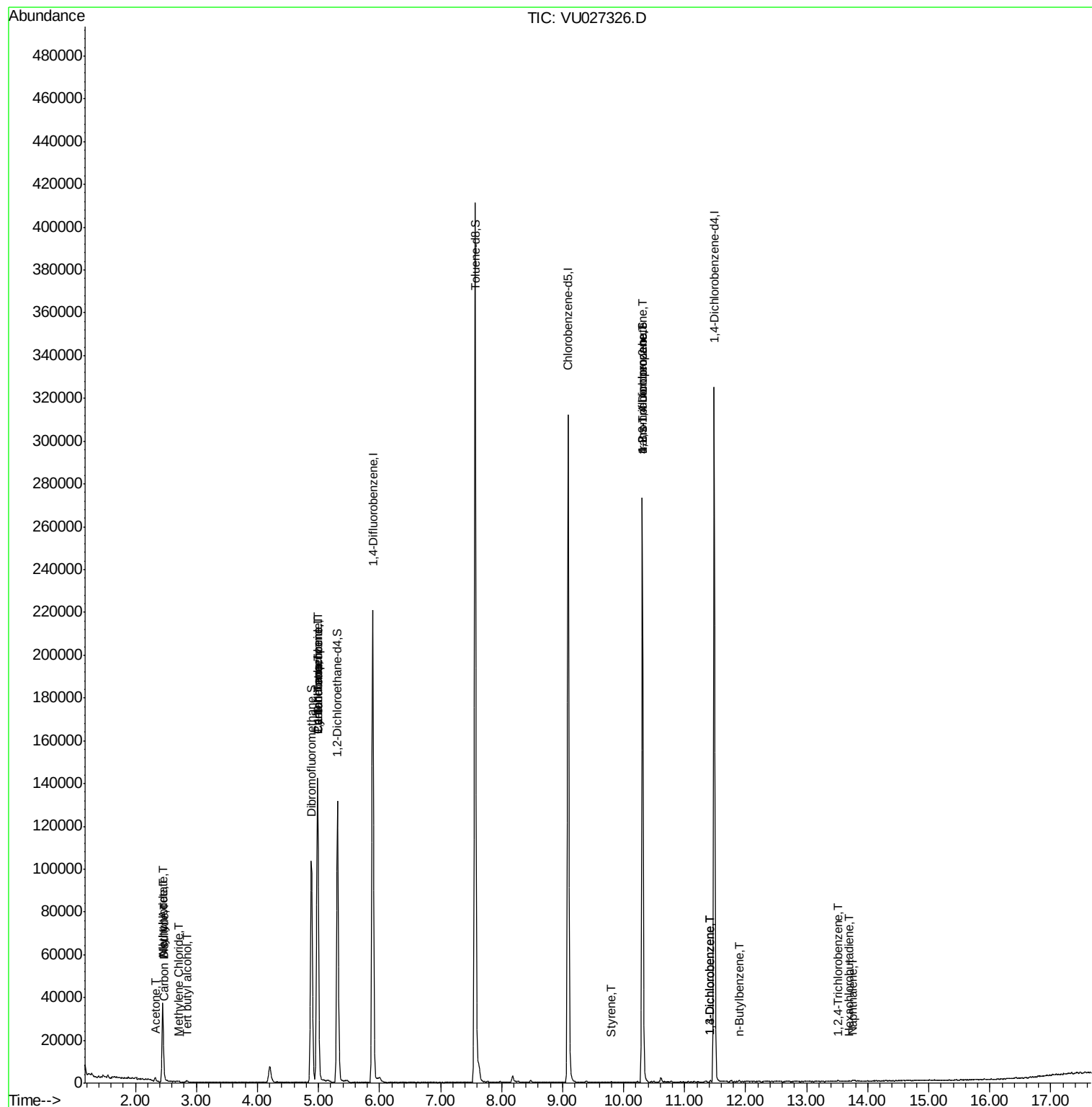
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	479	1.342	ug/l #	72
14) Allyl chloride	2.45	41	3634	1.427	ug/l #	69
16) Acetone	2.32	43	2118	2.115	ug/l	92
17) Carbon Disulfide	2.47	76	779	0.201	ug/l #	75
18) Methyl Acetate	2.45	43	8832	3.866	ug/l #	56
20) Methylene Chloride	2.71	84	284	0.204	ug/l #	54
31) Cyclohexane	4.98	56	2394	0.646	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9508	5.098	ug/l #	50
38) Carbon Tetrachloride	4.99	117	10081	5.984	ug/l #	17
70) Styrene	9.80	104	192	2.345	ug/l #	31
76) 1,2,3-Trichloropropane	10.31	75	48310	23.653	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	48310	61.903	ug/l #	100
87) 1,3-Dichlorobenzene	11.42	146	534	0.212	ug/l	80
88) 1,4-Dichlorobenzene	11.42	146	534	0.208	ug/l	80
89) n-Butylbenzene	11.90	91	339	2.013	ug/l #	51
93) 1,2,4-Trichlorobenzene	13.51	180	433	0.273	ug/l #	69
94) Hexachlorobutadiene	13.69	225	165	0.206	ug/l #	53
95) Naphthalene	13.75	128	883	1.803	ug/l #	69

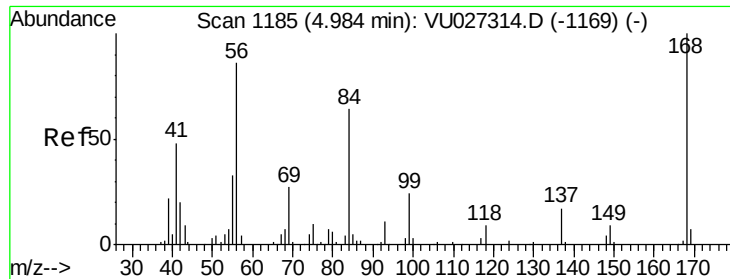
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 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: VU027326.D

Acq: 01 Oct 2018 18:22

Instrument :

MSVOA_U

ClientSampleId :

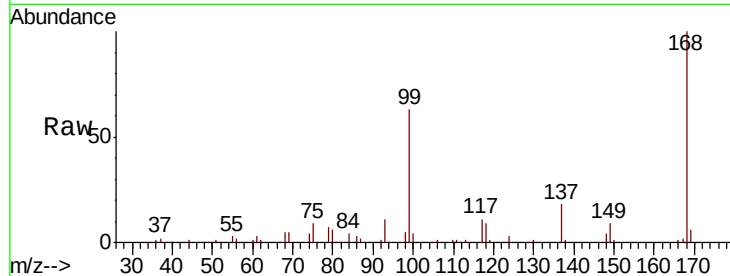
STORAGE-BLANK-WATER-REF-5

Tot Ion:168 Resp: 101515

Ion Ratio Lower Upper

168 100

99 63.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

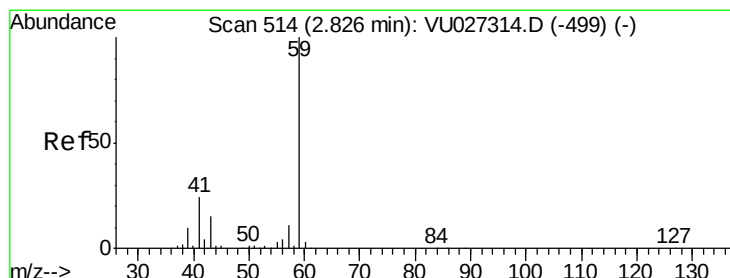
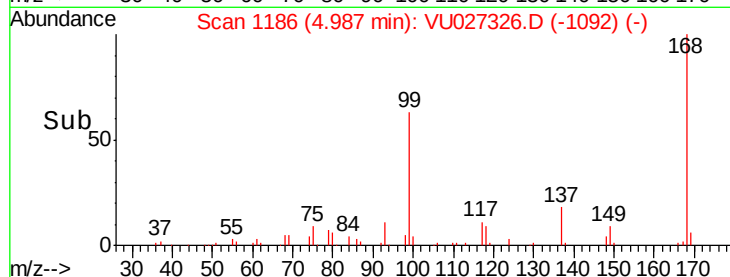
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.342 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027326.D

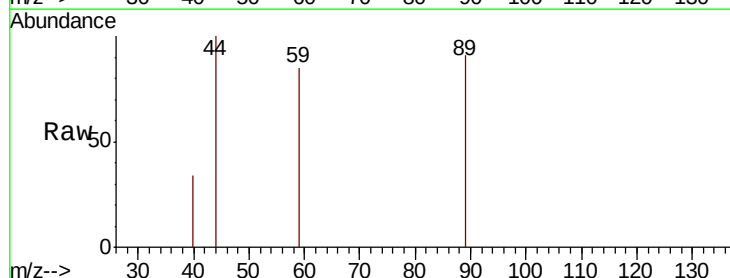
Acq: 01 Oct 2018 18:22

Tgt Ion: 59 Resp: 479

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.84

300

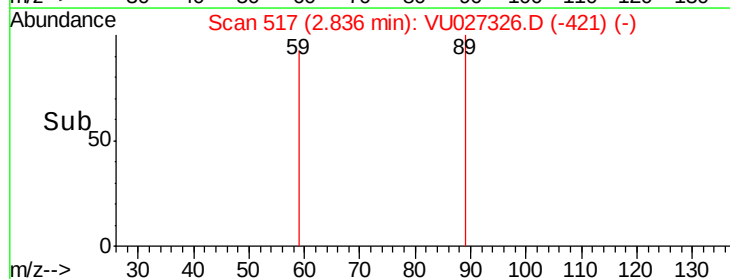
200

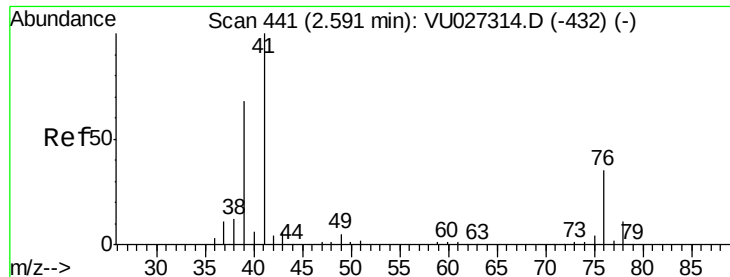
100

0

2.80 2.82 2.84 2.86 2.88

Time-->

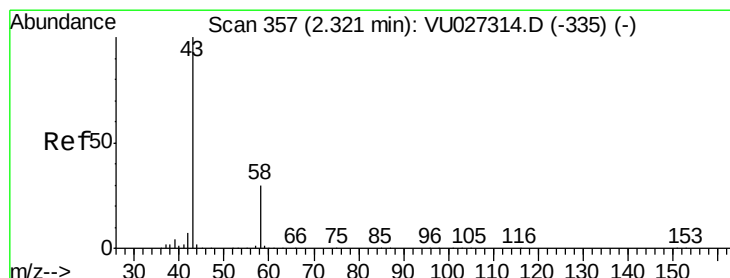
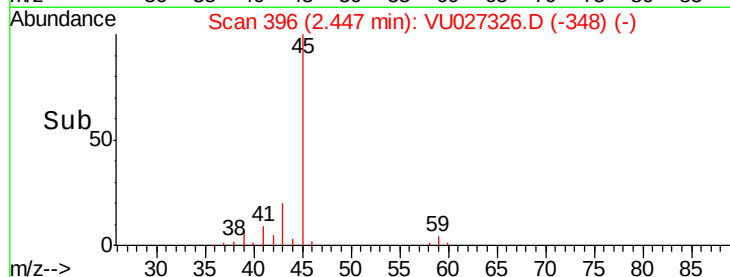
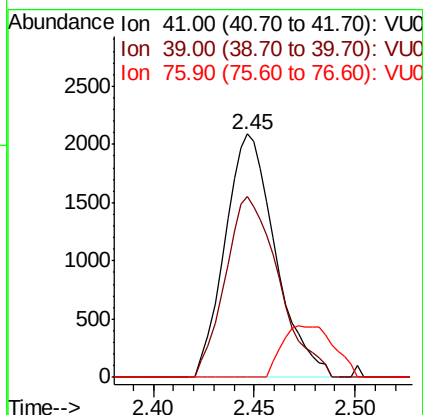
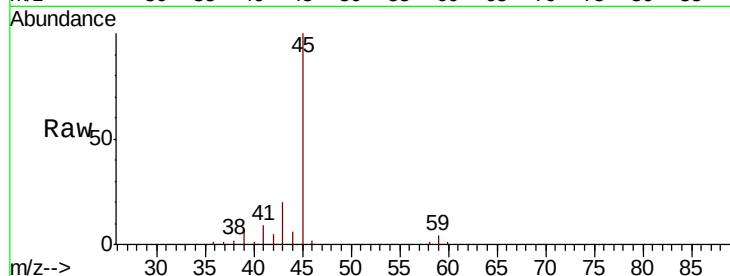




#14
Allvl chloride
Concen: 1.427 ug/l
RT: 2.45 min Scan# 396
Delta R.T. -0.14 min
Lab File: VU027326.D
Acq: 01 Oct 2018 18:22

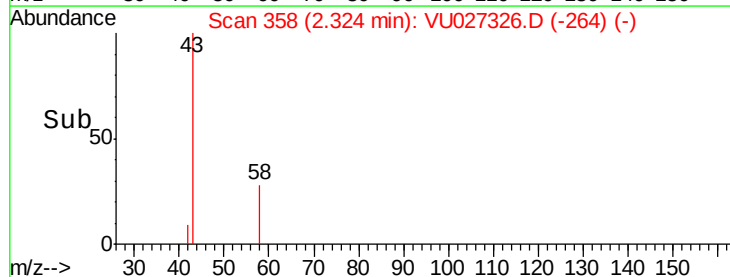
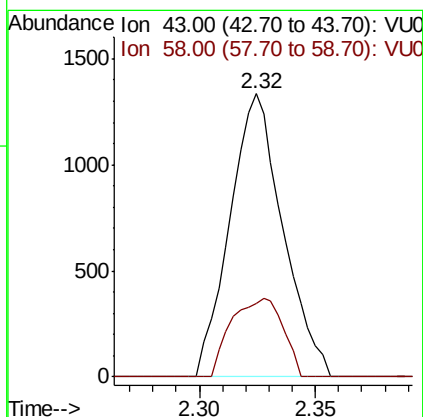
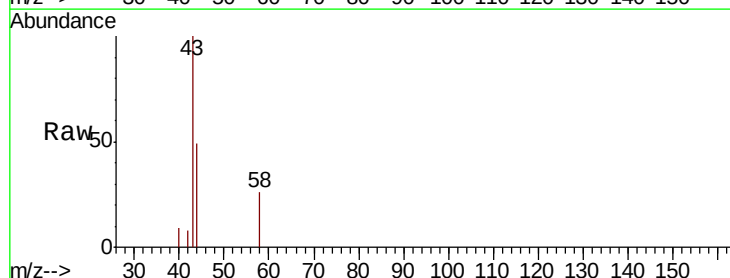
Instrument :
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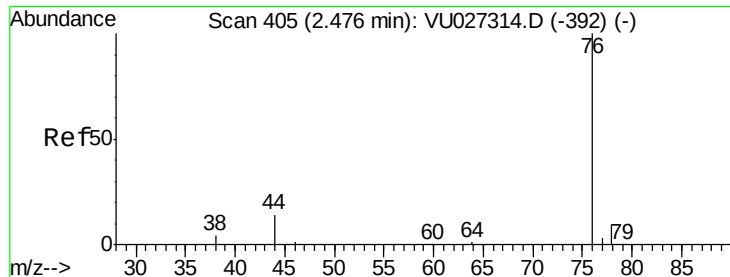
Tot Ion: 41 Resp: 3634
Ion Ratio Lower Upper
41 100
39 79.2 51.8 77.8#
76 0.0 25.9 38.9#



#16
Acetone
Concen: 2.115 ug/l
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU027326.D
Acq: 01 Oct 2018 18:22

Tgt Ion: 43 Resp: 2118
Ion Ratio Lower Upper
43 100
58 25.8 24.2 36.4

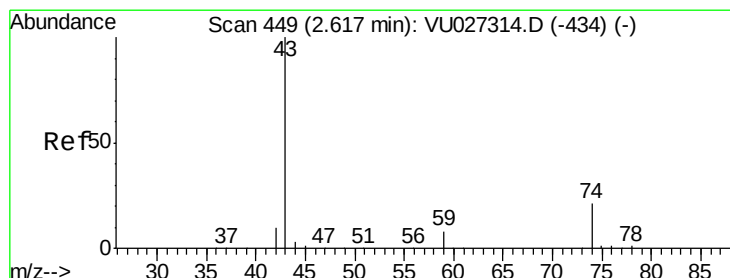
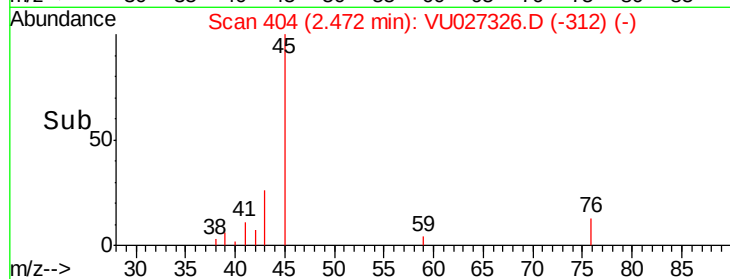
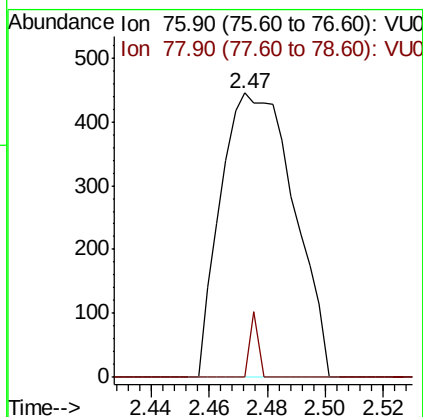
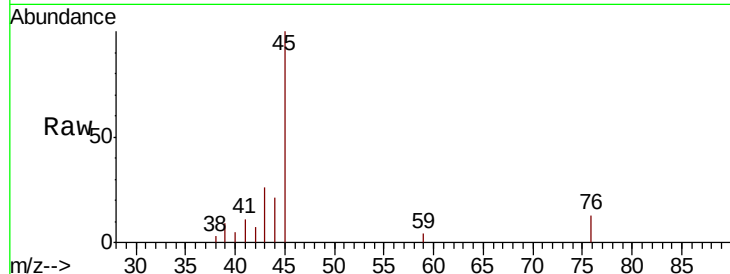




#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.00 min
Lab File: VU027326.D
Acq: 01 Oct 2018 18:22

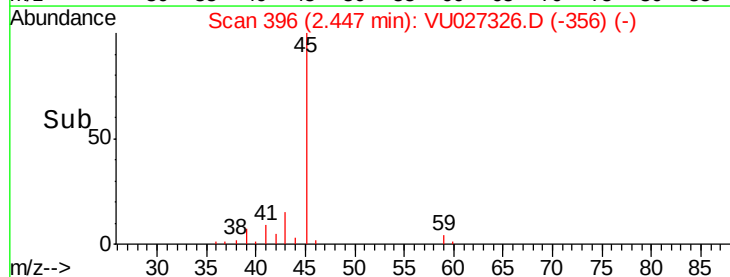
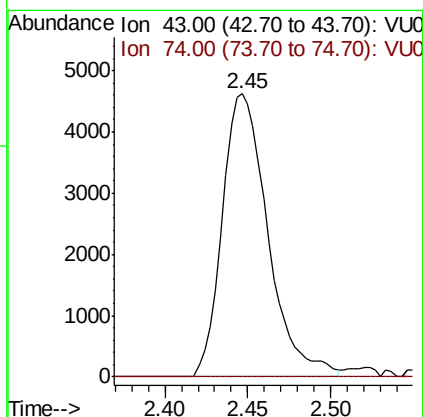
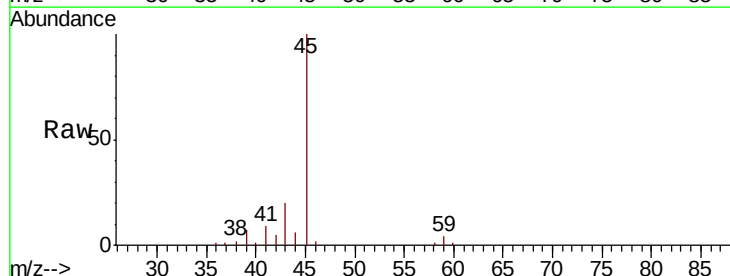
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

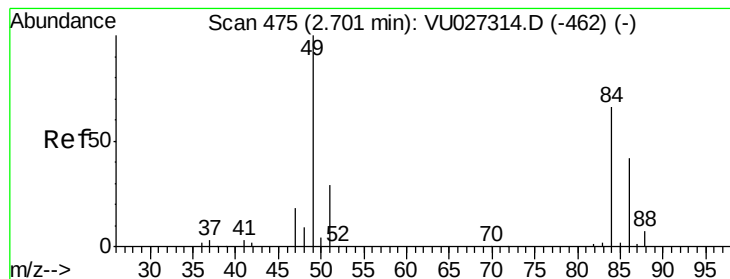
Tot Ion: 76 Resp: 779
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#18
Methyl Acetate
Concen: 3.866 ug/l
RT: 2.45 min Scan# 396
Delta R.T. -0.17 min
Lab File: VU027326.D
Acq: 01 Oct 2018 18:22

Tgt Ion: 43 Resp: 8832
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#





#20

Methylene Chloride

Concen: 0.204 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU027326.D

Acq: 01 Oct 2018 18:22

Instrument :

MSVOA_U

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion: 84 Resp: 284

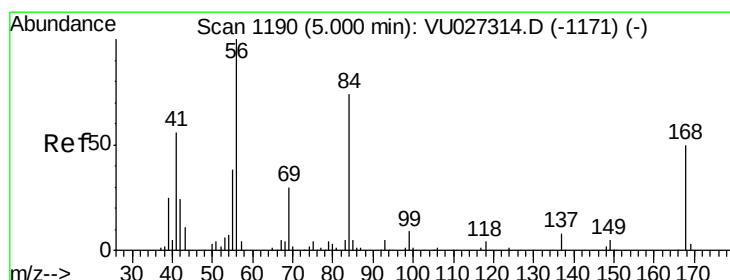
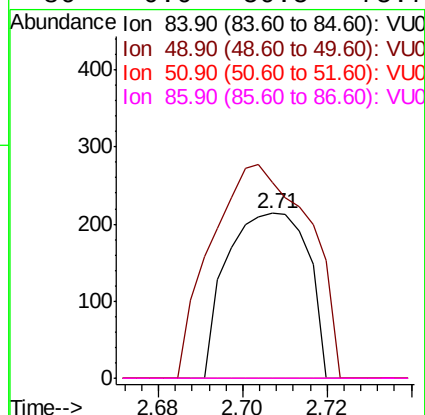
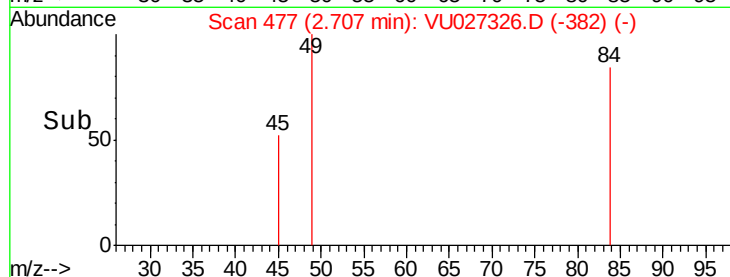
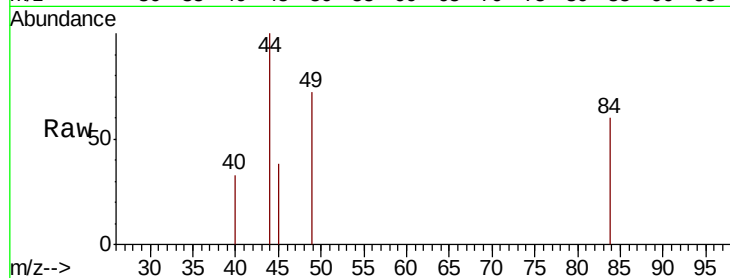
Ion Ratio Lower Upper

84 100

49 118.7 120.5 180.7#

51 0.0 35.1 52.7#

86 0.0 50.5 75.7#



#31

Cyclohexane

Concen: 0.646 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027326.D

Acq: 01 Oct 2018 18:22

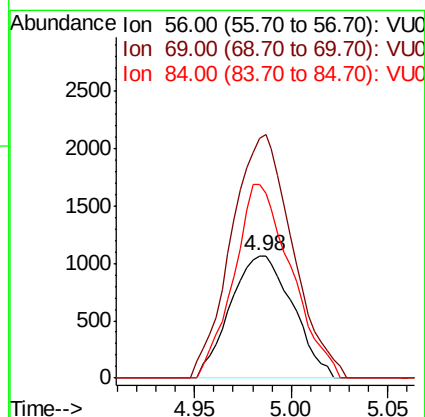
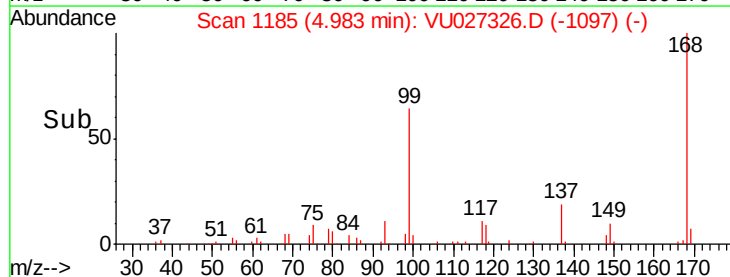
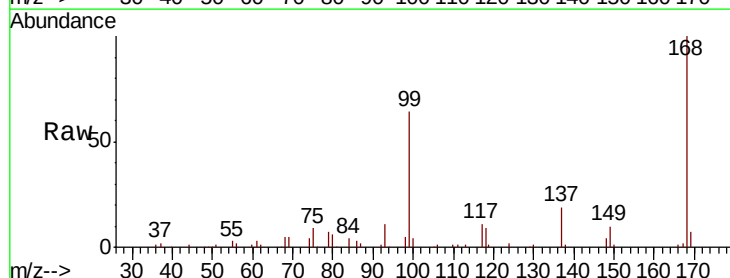
Tgt Ion: 56 Resp: 2394

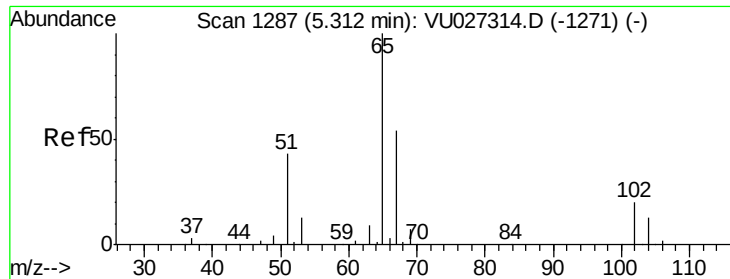
Ion Ratio Lower Upper

56 100

69 196.0 24.1 36.1#

84 158.9 59.1 88.7#

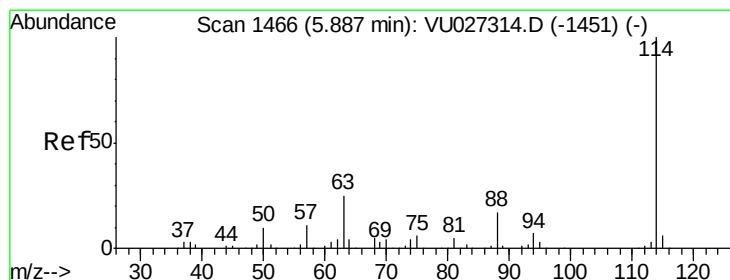
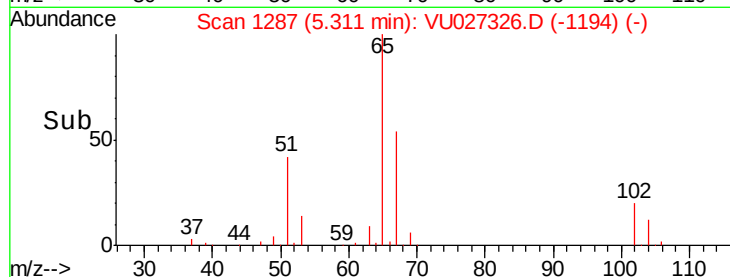
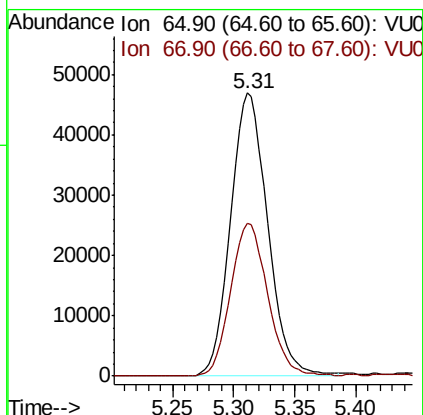
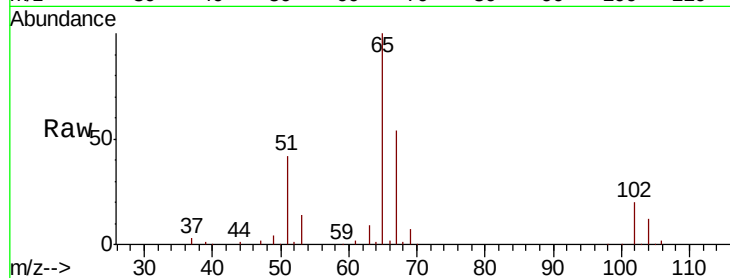




#33
 1,2-Dichloroethane-d4
 Concen: 58.552 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027326.D
 Acq: 01 Oct 2018 18:22

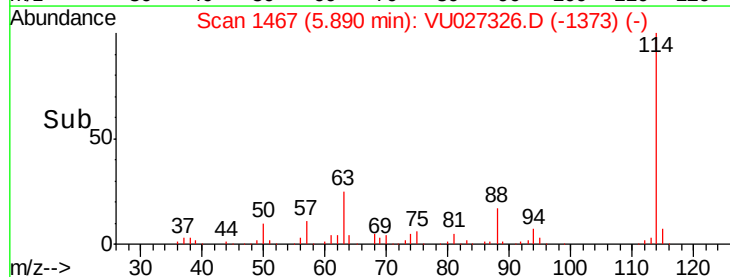
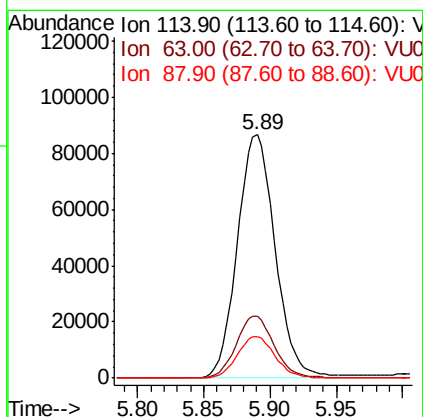
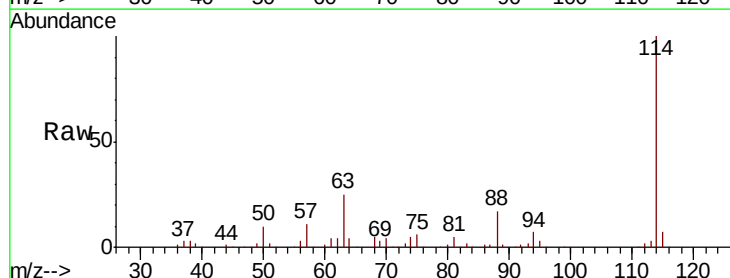
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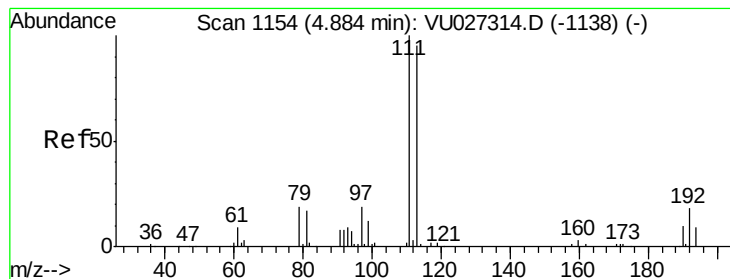
Tot Ion: 65 Resp: 99253
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027326.D
 Acq: 01 Oct 2018 18:22

Tgt Ion: 114 Resp: 171759
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.2
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 59.744 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027326.D

Acq: 01 Oct 2018 18:22

Instrument :

MSVOA_U

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

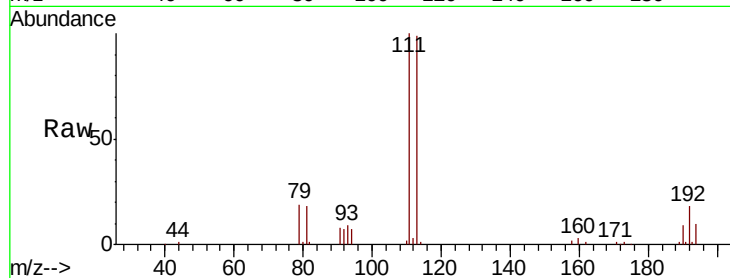
Tot Ion:113 Resp: 70326

Ion Ratio Lower Upper

113 100

111 104.4 83.1 124.7

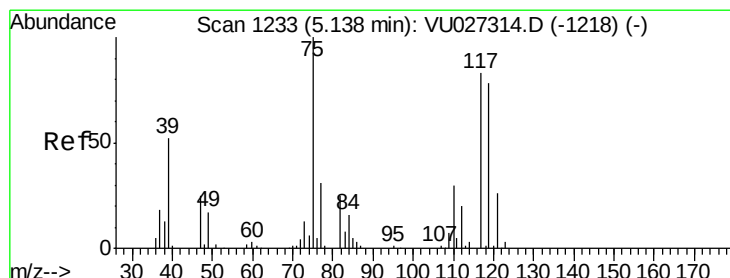
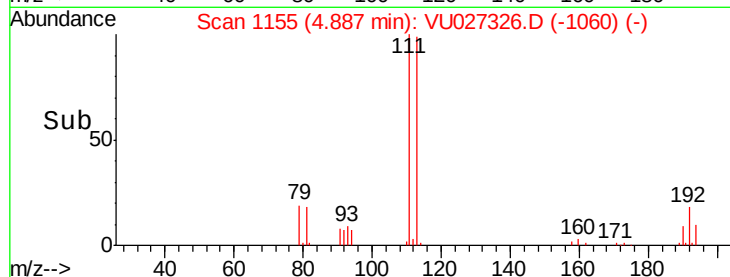
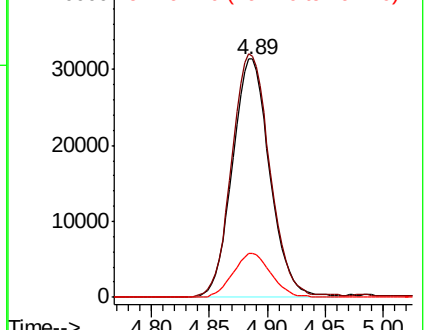
192 18.6 15.4 23.0



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: 5.098 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027326.D

Acq: 01 Oct 2018 18:22

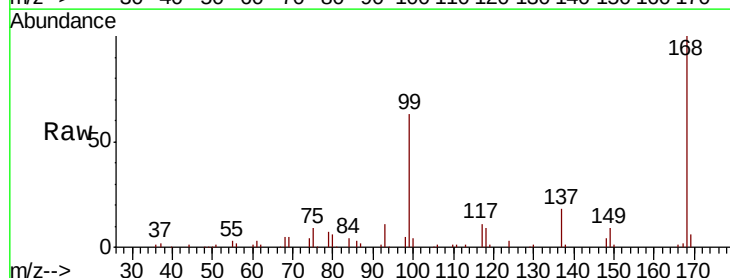
Tgt Ion: 75 Resp: 9508

Ion Ratio Lower Upper

75 100

110 7.7 15.5 46.5#

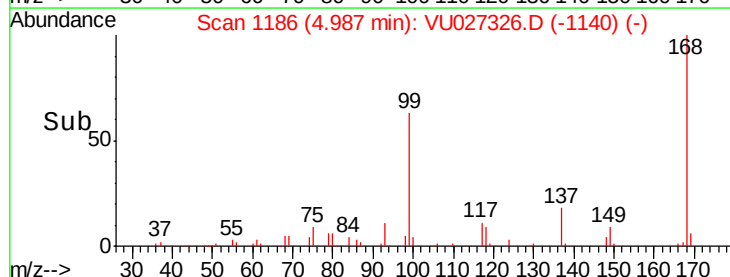
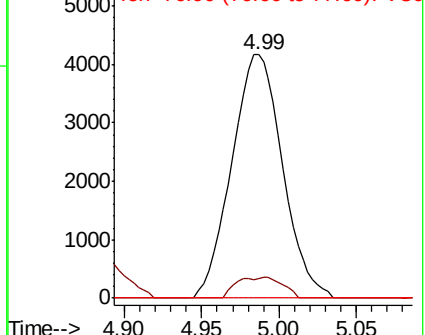
77 0.0 25.4 38.0#

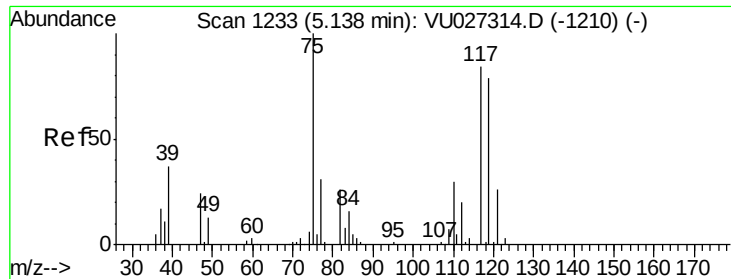


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.984 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027326.D

Acq: 01 Oct 2018 18:22

Instrument :

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ClientSampleId :

STORAGE-BLANK-WATER-REF-5

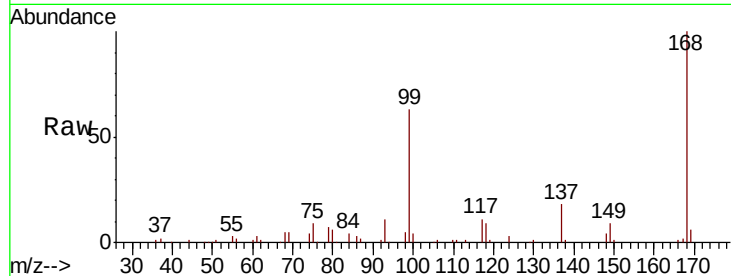
Tot Ion:117 Resp: 10081

Ion Ratio Lower Upper

117 100

119 4.9 74.5 111.7#

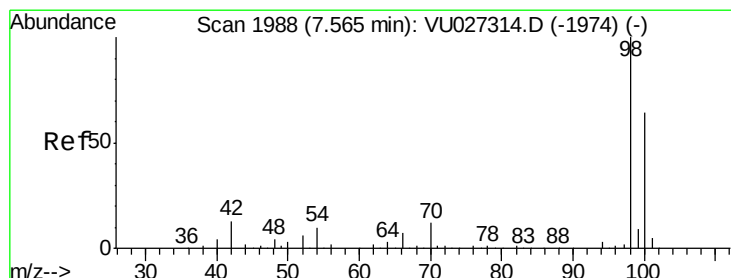
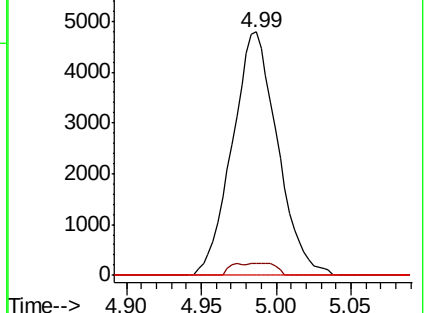
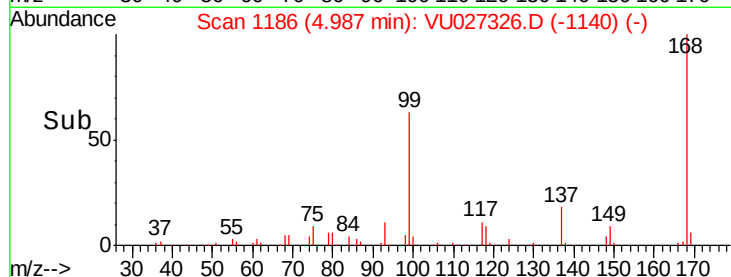
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 61.952 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027326.D

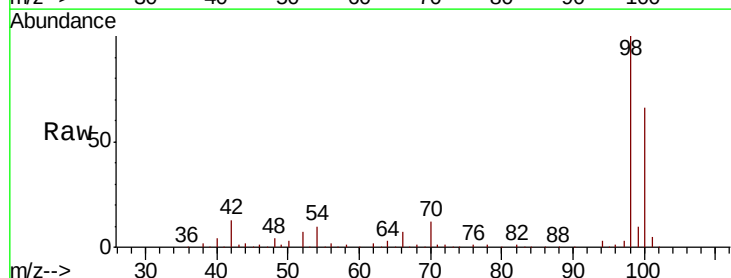
Acq: 01 Oct 2018 18:22

Tgt Ion: 98 Resp: 272935

Ion Ratio Lower Upper

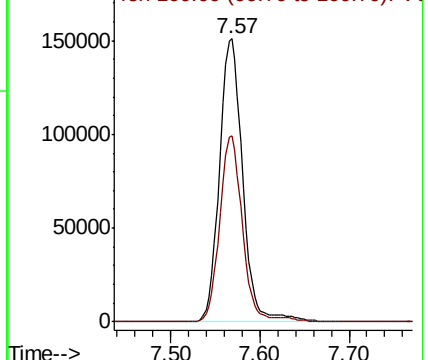
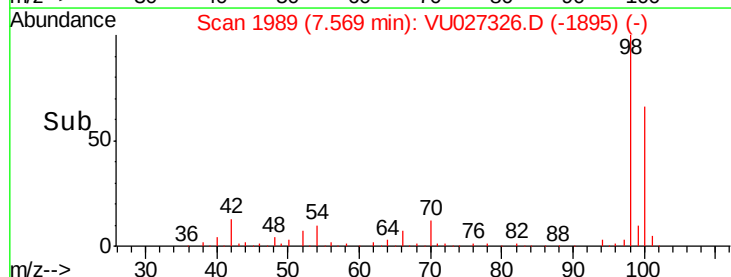
98 100

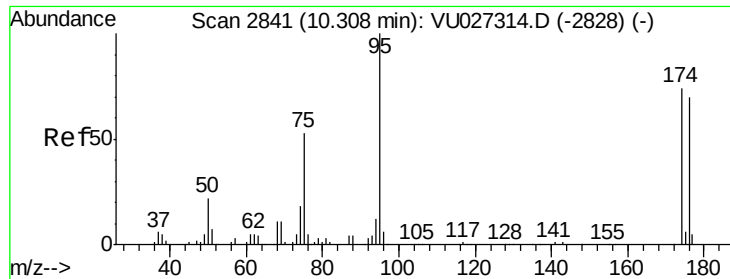
100 64.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

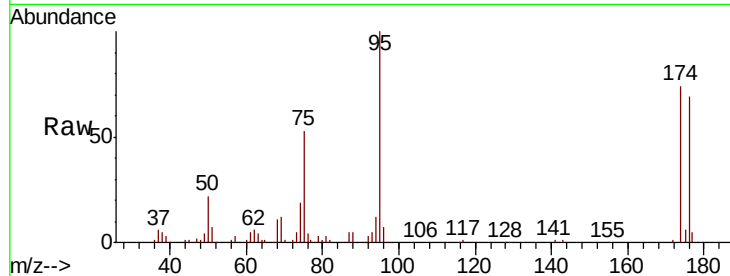




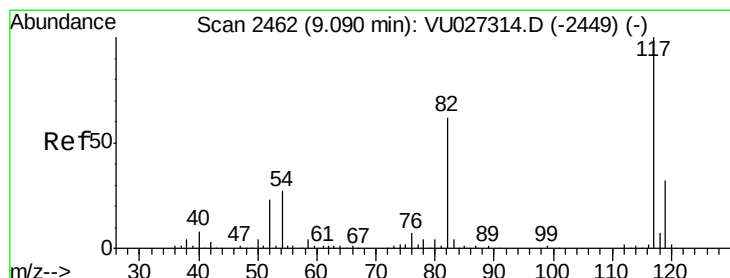
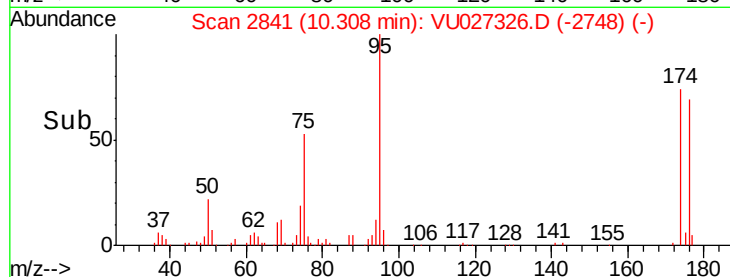
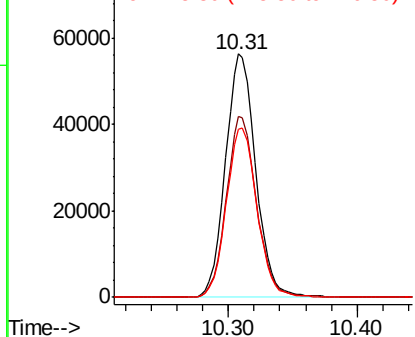
#62
4-Bromofluorobenzene
Concen: 55.907 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU027326.D
Acq: 01 Oct 2018 18:22

Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tot Ion: 95 Resp: 91536
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.8
176 70.5 0.0 140.8

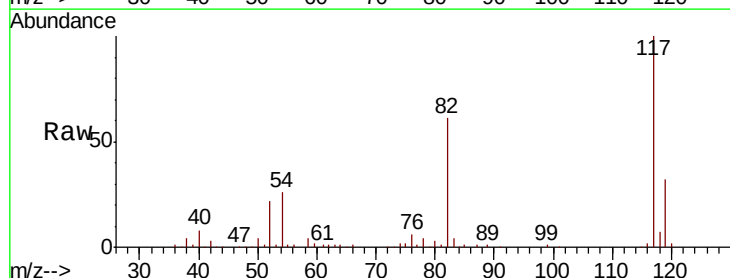


Abundance Ion 94.90 (94.60 to 95.60): VU0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

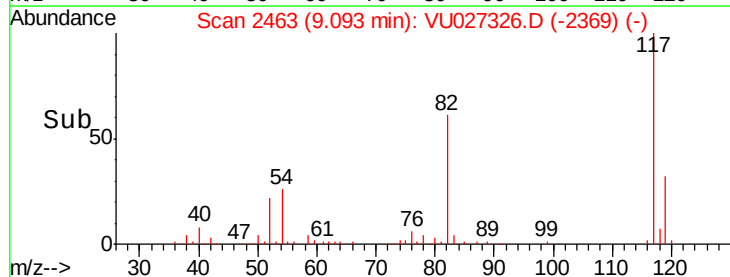
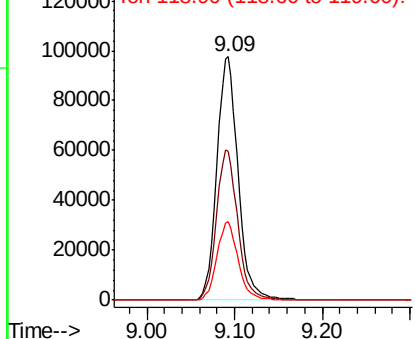


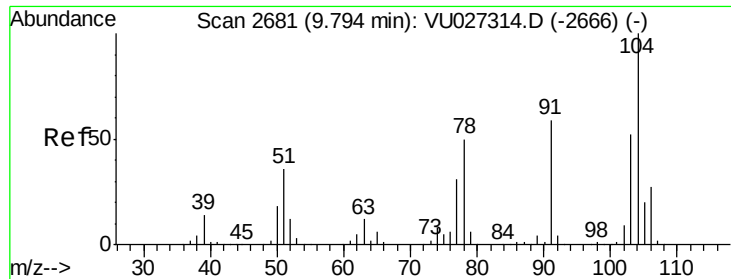
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027326.D
Acq: 01 Oct 2018 18:22

Tgt Ion: 117 Resp: 164395
Ion Ratio Lower Upper
117 100
82 61.0 49.2 73.8
119 32.0 25.7 38.5



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

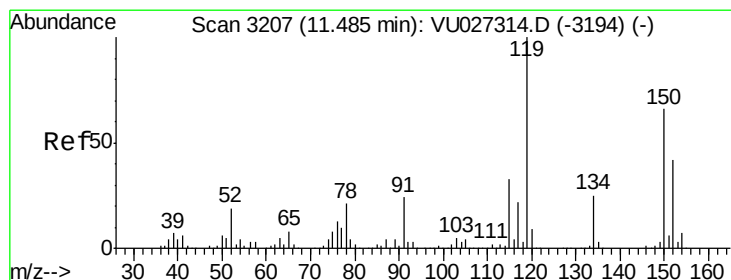
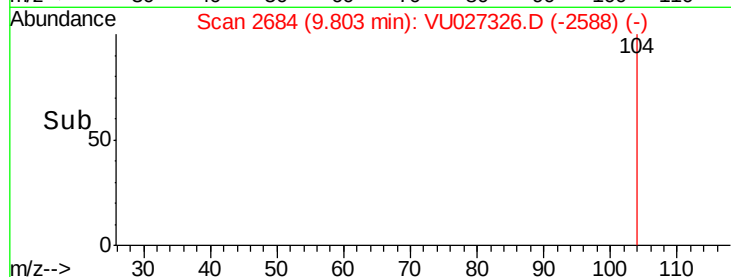
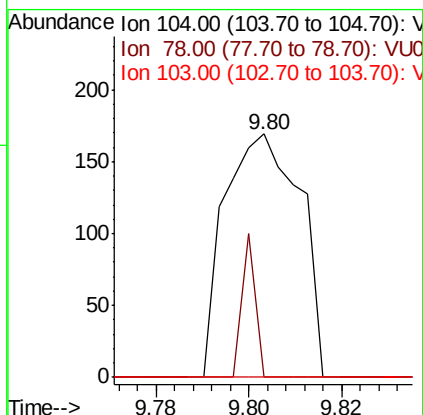
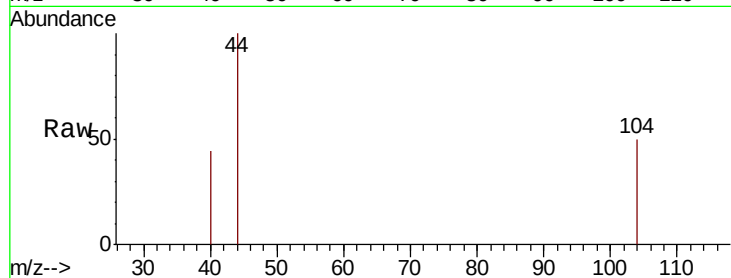




#70
Stvrene
Concen: 2.345 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU027326.D
Acq: 01 Oct 2018 18:22

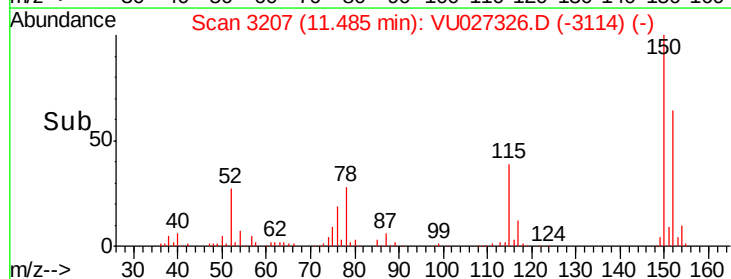
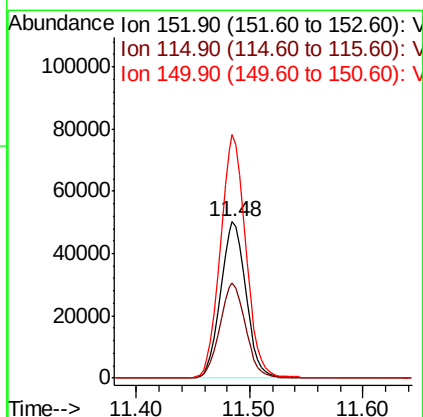
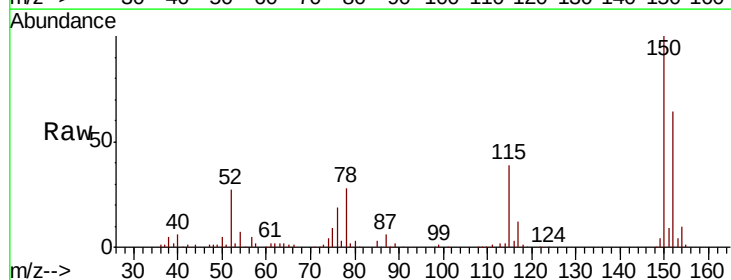
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

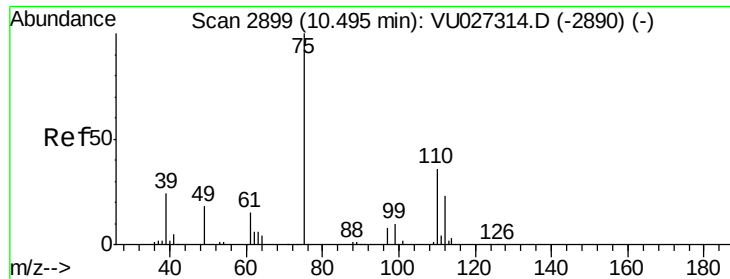
Tot Ion:104 Resp: 192
Ion Ratio Lower Upper
104 100
78 9.9 42.9 64.3#
103 0.0 43.9 65.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027326.D
Acq: 01 Oct 2018 18:22

Tgt Ion:152 Resp: 78791
Ion Ratio Lower Upper
152 100
115 61.0 43.4 130.2
150 155.3 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 23.653 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027326.D

Acq: 01 Oct 2018 18:22

Instrument :

MSVOA_U

ClientSampleId :

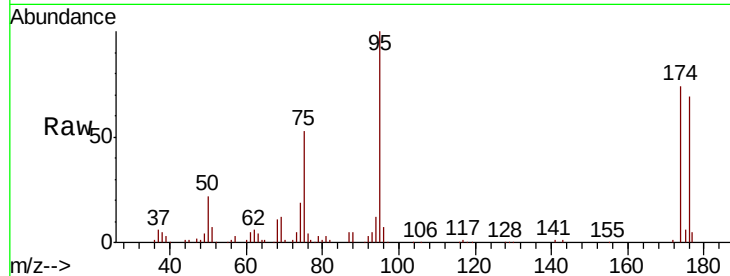
STORAGE-BLANK-WATER-REF-5

Tot Ion: 75 Resp: 48310

Ion Ratio Lower Upper

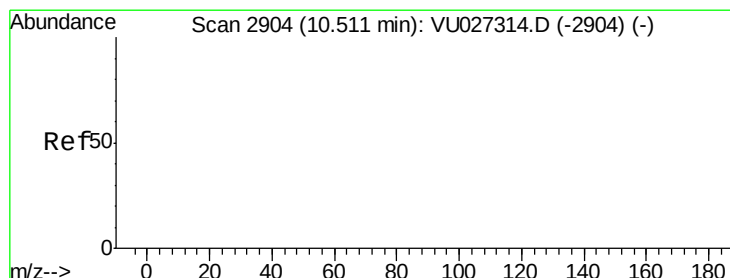
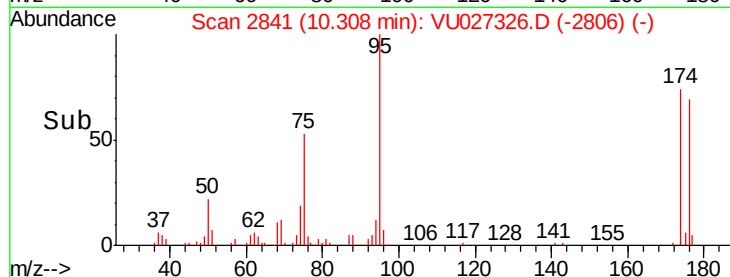
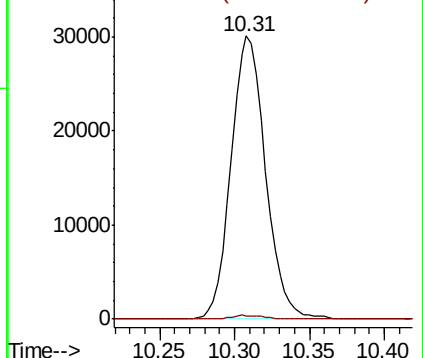
75 100

77 1.2 20.3 60.9#



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: 61.903 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027326.D

Acq: 01 Oct 2018 18:22

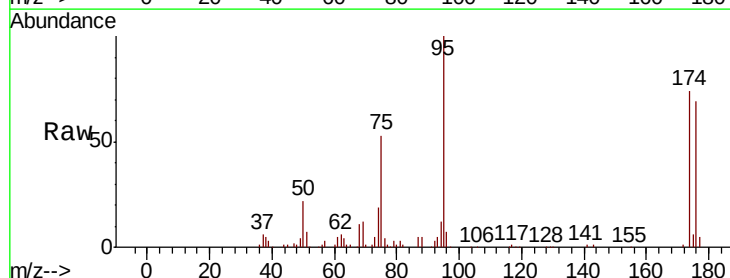
Tgt Ion: 75 Resp: 48310

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

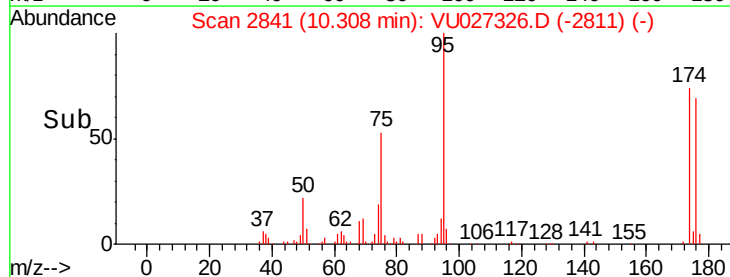
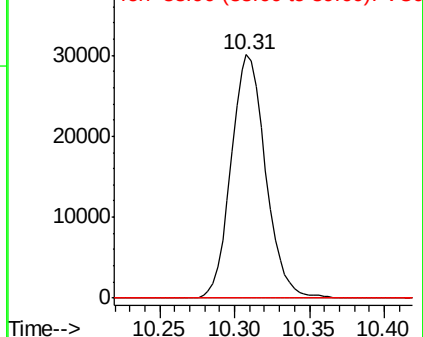
89 0.0 0.0 0.0

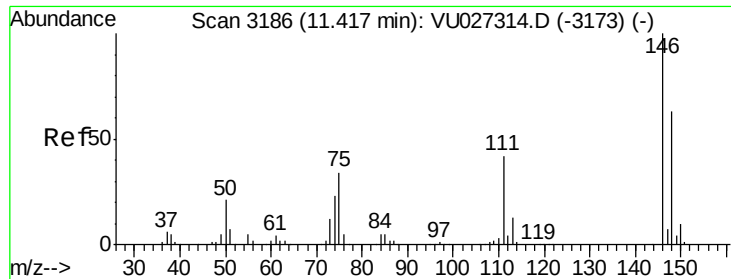


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

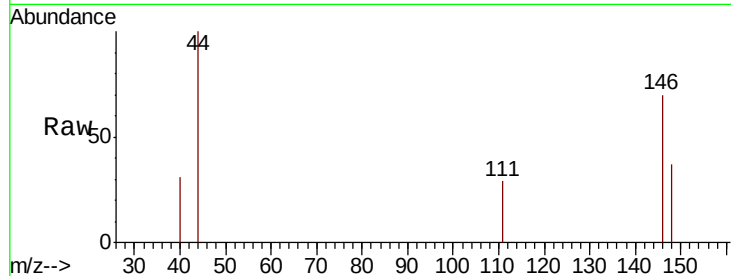




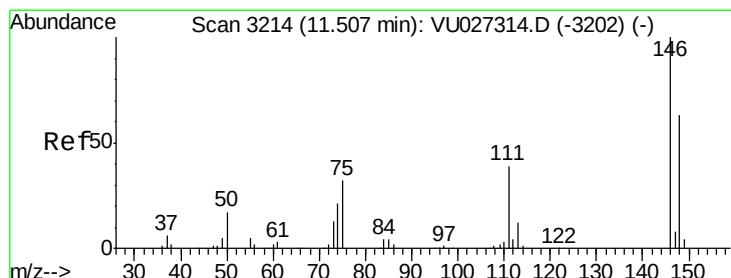
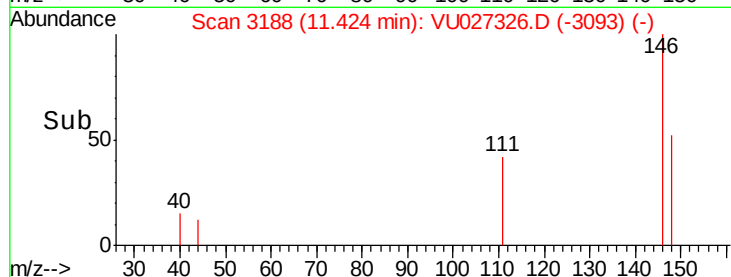
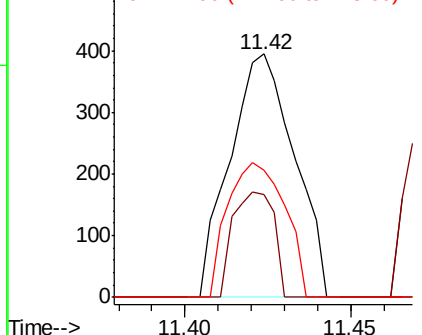
#87
 1,3-Dichlorobenzene
 Concen: 0.212 ug/l
 RT: 11.42 min Scan# 3188
 Delta R.T. 0.01 min
 Lab File: VU027326.D
 Acq: 01 Oct 2018 18:22

Instrument :
 MSVOA_U
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Tot Ion:146 Resp: 534
 Ion Ratio Lower Upper
 146 100
 111 27.3 20.8 62.5
 148 48.9 31.6 94.8

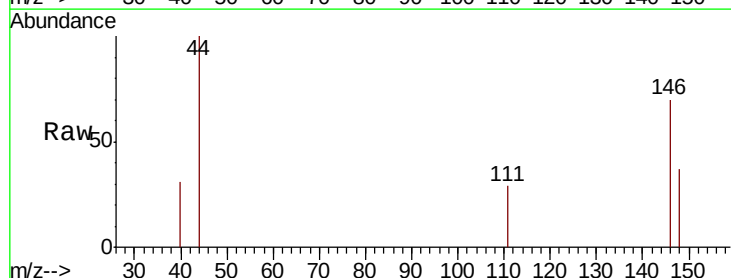


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

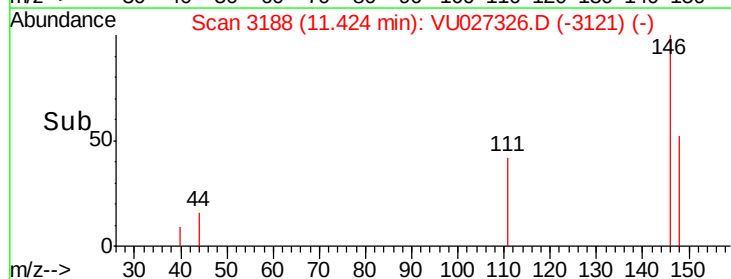
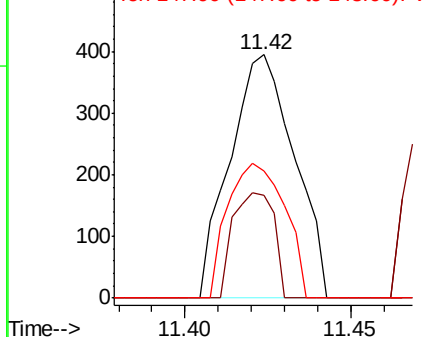


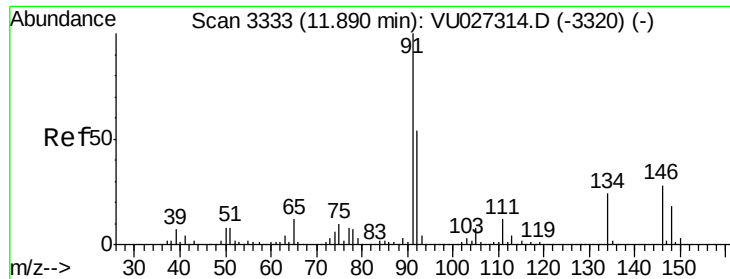
#88
 1,4-Dichlorobenzene
 Concen: 0.208 ug/l
 RT: 11.42 min Scan# 3188
 Delta R.T. -0.08 min
 Lab File: VU027326.D
 Acq: 01 Oct 2018 18:22

Tgt Ion:146 Resp: 534
 Ion Ratio Lower Upper
 146 100
 111 27.3 20.4 61.2
 148 48.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

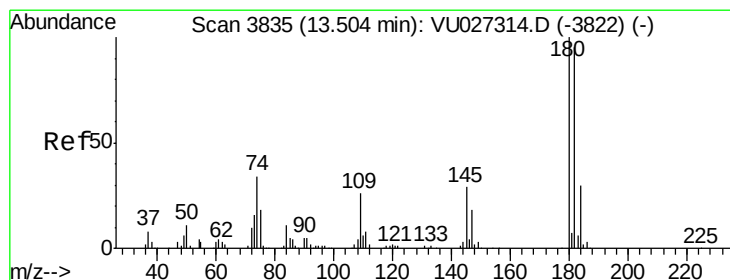
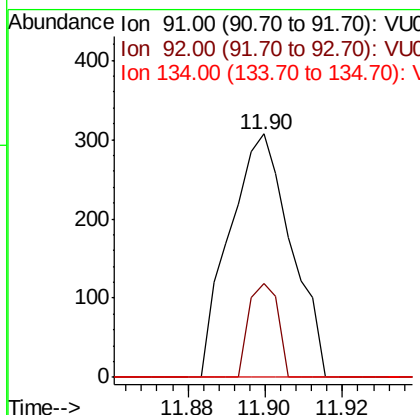
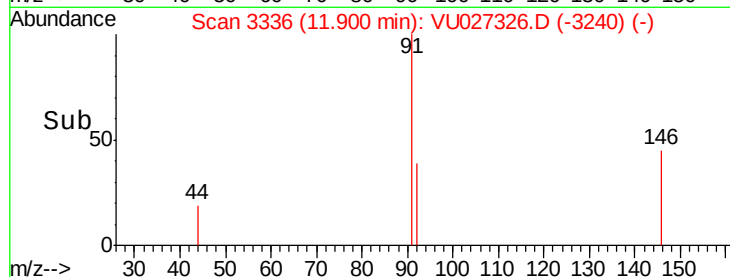
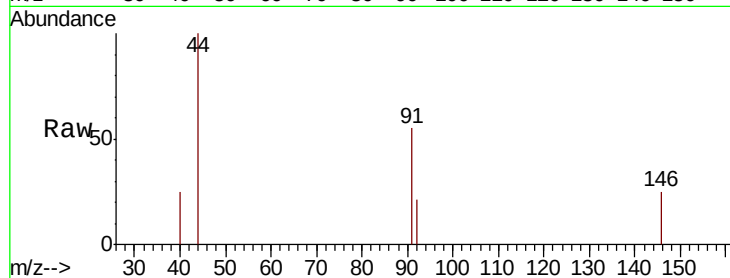




#89
n-Butylbenzene
Concen: 2.013 ug/l
RT: 11.90 min Scan# 3336
Delta R.T. 0.01 min
Lab File: VU027326.D
Acq: 01 Oct 2018 18:22

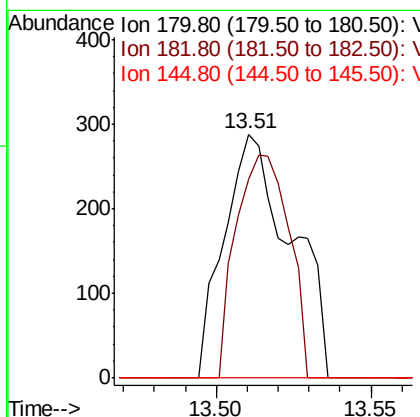
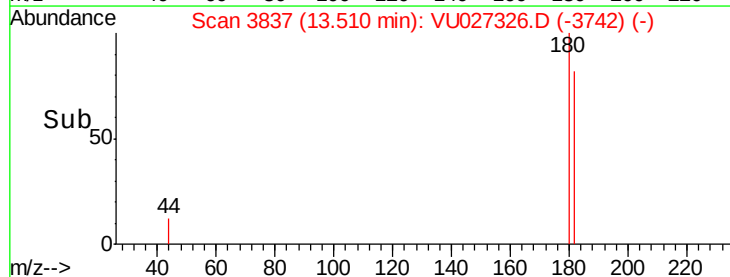
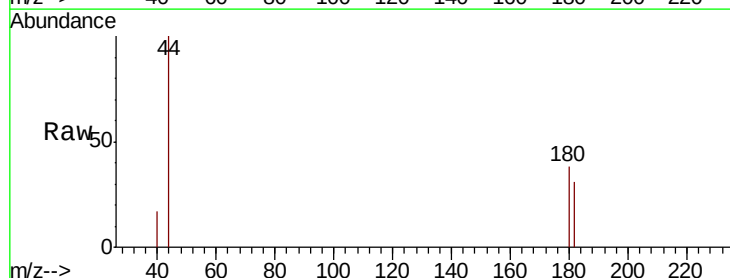
Instrument :
MSVOA_U
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

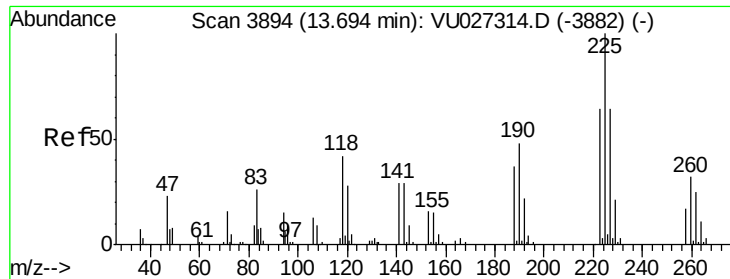
Tot Ion: 91 Resp: 339
Ion Ratio Lower Upper
91 100
92 18.3 27.0 81.0#
134 0.0 11.7 35.1#



#93
1,2,4-Trichlorobenzene
Concen: 0.273 ug/l
RT: 13.51 min Scan# 3837
Delta R.T. 0.01 min
Lab File: VU027326.D
Acq: 01 Oct 2018 18:22

Tgt Ion: 180 Resp: 433
Ion Ratio Lower Upper
180 100
182 72.5 47.4 142.3
145 0.0 14.6 44.0#





#94

Hexachlorobutadiene

Concen: 0.206 ug/l

RT: 13.69 min Scan# 3894

Delta R.T. -0.00 min

Lab File: VU027326.D

Acq: 01 Oct 2018 18:22

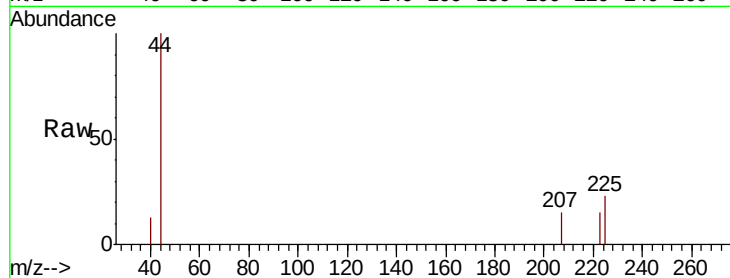
Instrument :

MSVOA_U

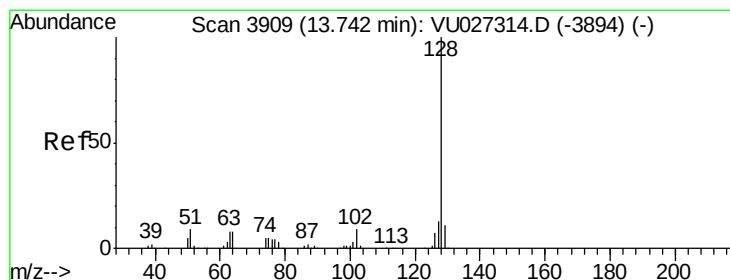
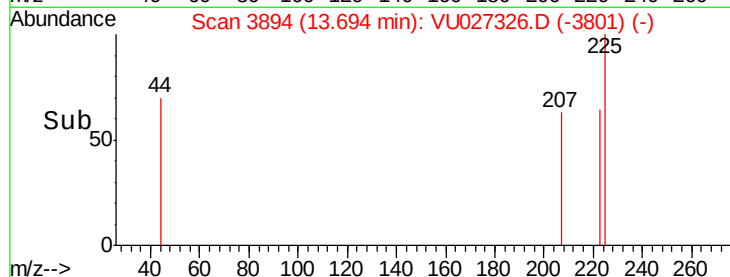
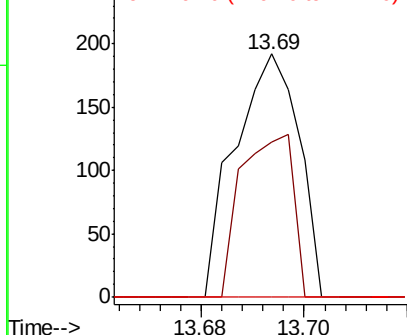
ClientSampleId :

STORAGE-BLANK-WATER-REF-5

Tot Ion:	225	Resp:	165
Ion	Ratio	Lower	Upper
225	100		
223	53.9	31.8	95.3
227	0.0	31.9	95.7#



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.803 ug/l

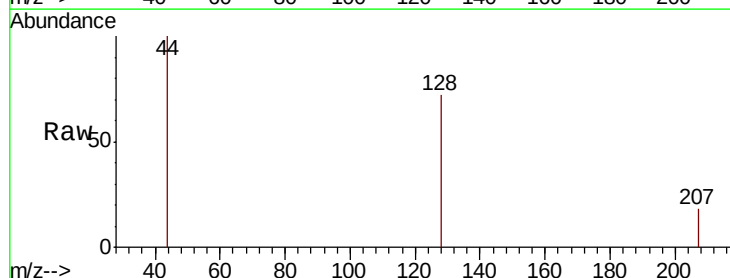
RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU027326.D

Acq: 01 Oct 2018 18:22

Tgt Ion:	128	Resp:	883
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
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

